CPA CLEAN POWER ALLIANCE

COUNTY OF LOS ANGELES
COUNTY OF VENTURA
AGOURA HILLS
ALHAMBRA
ARCADIA
BEVERLY HILLS
CALABASAS
CAMARILLO
CARSON
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HAWAIIAN GARDENS
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MALIBU
MANHATTAN BEACH
MOORPARK
OJAI
OXNARD
PARAMOUNT
REDONDO BEACH
ROLLING HILLS ESTATES
SANTA MONICA
SIERRA MADRE
SIMI VALLEY
SOUTH PASADENA
TEMPLE CITY
THOUSAND OAKS
VENTURA
WEST HOLLYWOOD
WHITTIER

July 31, 2018

To the California Public Utilities Commission:

Clean Power Alliance of Southern California (CPA) is one of the state's newest Community Choice Aggregation (CCA) programs, established as a Joint Powers Authority made up of 31 local agencies across Los Angeles and Ventura Counties. These agencies have banded together to provide cleaner electricity at competitive rates, offering a choice in electricity service providers for the first time to over 1 million customers in our region. CPA is committed to providing safe, reliable, affordable, and clean energy to its customers and seeks to collaborate with statewide energy stakeholders to ensure California's energy goals are met through actions that reflect local priorities.

CPA is submitting its 2018 Integrated Resource Plan for the Commission's consideration. The IRP shows that on an overall basis CPA will meet and exceed its statutory requirements for GHG reduction, RPS and other State mandates in a cost-effective manner; however, the individual procurement decisions to meet those mandates and the setting of rates to finance that procurement remain the sole responsibility of the CPA Board of Directors and therefore may differ from the specific plan outlined in the IRP. Some of these differences will be based on extensive dialogue on procurement priorities with the communities that CPA serves and which the timeframe for submitting this IRP did not allow for.

On June 7, 2018, the CPA Board of Directors, exercising its authority to oversee and direct CPA's planning and procurement activities, delegated the responsibility for final approval of this IRP to CPA's Energy Planning and Resources Committee, one of four standing committees of CPA's Board. The Energy Planning and Resources Committee approved the attached IRP on July 25, 2018.

Sincerely,

Ted Bardacke
Executive Director, Clean Power Alliance

Enclosure: Clean Power Alliance 2018 Integrated Resource Plan

2018 INTEGRATED RESOURCE PLAN

EXHIBIT A

APPROVED BY CLEAN POWER ALLIANCE ON JULY 25, 2018

SUBMITTED TO THE CPUC ON JULY 31, 2018

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1. Executive Summary

Clean Power Alliance of Southern California (CPA) is a Load Serving Entity (LSE) and administrator of a Community Choice Aggregation (CCA) program. Formed as a Joint Powers Authority (JPA), CPA's 31 member jurisdictions include the unincorporated areas of Los Angeles and Ventura Counties, as well as the cities of Agoura Hills, Arcadia, Alhambra, Beverly Hills, Calabasas, Camarillo, Carson, Claremont, Culver City, Downey, Hawaiian Gardens, Hawthorne, Malibu, Manhattan Beach, Moorpark, Ojai, Oxnard, Paramount, Redondo Beach, Rolling Hills Estates, Santa Monica, Sierra Madre, Simi Valley, South Pasadena, Temple City, Thousand Oaks, Ventura, West Hollywood, and Whittier. CPA is governed by a board of directors comprised of elected officials of its member cities and counties, which span a broad territory that is diverse in its geography, climate, and customer demographics.

CPA began offering service to municipal customers of unincorporated Los Angeles County on February 1, 2018 and initiated the second phase of its roll-out to non-residential customers of unincorporated Los Angeles County, Rolling Hills Estates, and South Pasadena beginning June 25, 2018. It is anticipated that CPA will enroll all residential customers of its 31 member jurisdictions in February 2019, and complete enrollment of the remainder of its non-residential customers in May 2019. At that time, CPA will serve over one million customer accounts and will become the largest CCA in the state.

As set out in the recitals of its Joint Powers Agreement, CPA intends to develop an electric supply portfolio with overall lower greenhouse gas (GHG) emissions than that of the local Investor Owned Utility (IOU), which for CPA's current service territory is Southern California Edison (SCE). CPA's procurement policy encourages the use and development of cost-effective renewable and distributed energy resources and discourages the use of unbundled renewable energy credits (RECs). CPA also intends to provide and manage its energy portfolio and products in a manner that provides cost savings to customers, promotes public health in areas impacted by energy production, achieves regional economic benefits and workforce development, and offers customers a choice of differentiated renewable product tiers.

Due to a compressed launch schedule, CPA's procurement for its first phase was achieved by contracting with a single energy supplier to meet the energy needs for Los Angeles County municipal customers and developed an optimal portfolio offering a 65% renewable product. In its second phase, CPA has been relying on short term procurement to meet the needs of its current customers and offer three renewable product tiers while remaining price competitive and satisfying regulatory requirements. Going forward, CPA will procure electricity for its customers from a variety of sources guided by policies adopted by the CPA Board of Directors (Board), in compliance with all regulatory requirements.

Consistent with CPA's governance practices and Public Utilities Code section 454.52, this Integrated Resource Plan (IRP) was approved on July 25, 2018, by the CPA Energy Planning & Resources Committee, the standing committee to whom the Board delegated authority for approval of the IRP through formal action on June 7, 2018, as described in the attached cover letter. CPA is committed to providing safe, reliable, affordable, and clean energy to its customers and seeks to collaborate with statewide energy stakeholders to ensure California's energy goals are met.

CPA developed its IRP Conforming Portfolio using assumptions that are consistent with the California Public Utilities Commission's (CPUC) system modeling. Given the highly compressed timeframe of the 2018 IRP filing and CPA's status as a newly-formed CCA, CPA is submitting its Conforming Portfolio as its Preferred Portfolio and is not submitting alternative scenarios.[1]

CPA worked with its consultant, Energy & Environmental Economics (E3), to develop an IRP model that provides low-cost resource procurement trajectories to ensure that CPA meets its regulatory requirements and renewables and emissions goals at reasonable and fair costs to ratepayers. In calculating its emissions, CPA used the CPUC's Clean Net Short (CNS) calculator that ensures that CPA's portfolio emissions were below the CPUC benchmark for CPA.

[1] Throughout the document, the terms Conforming Portfolio and Preferred Portfolio will be used interchangeably.

The Conforming Portfolio modeling results in several clean energy procurement trends. In the near-term, the portfolio consists of long-term wind and solar resources, with some of the solar being paired with storage to ensure fulfillment of storage mandate obligations. In the longer-term, procurement also includes geothermal resources as the system gets saturated with solar, and wind potential nears exhaustion. In addition to in-state carbon-free resources, CPA will also seek opportunities to sign contracts with out-of-state hydro resources to ensure that CPA's portfolio consists predominantly of zero- and low-carbon assets. CPA's portfolio results are broadly consistent with the trends seen in the CPUC's Reference System Plan, with near-term procurement being dominated by solar and longer-term incorporation of geothermal to diversify the portfolio.

The Conforming Portfolio is largely driven by assumptions provided by the CPUC and may not reflect CPA's internal forecasts, CPA-specific energy procurement goals, nor constitute a commitment to purchase any particular resource at any specific price. Over the next year, CPA is launching an internal procurement planning process to be driven by CPA Board-established policies and in conjunction with CPA's Community Advisory Committee and other community stakeholders. CPA intends to incorporate these planning efforts into its portfolio submissions for future CPUC IRP proceedings.

2. Study Design

To develop its Preferred Portfolio, CPA used:

- Inputs that were consistent with the CPUC Reference System Plan
- An IRP model developed by E3 to determine least-cost resource procurement options to meet CPA's emissions goals and regulatory requirements
- The CNS methodology to calculate its emissions and ensure compliance with the emissions benchmark assigned to CPA

Load Assignments for Each LSE

CPA developed its load forecasts in a manner consistent with the 2017 California Energy Commission (CEC) Integrated Energy Policy Report (IEPR) projections. The expected load forecasts projected by CPA for 2030 were approved in an Administrative Law Judge (ALJ) ruling on June 18, 2018.[2]

Required and Optional Portfolios

CPA produced its Conforming Portfolio by maintaining consistency in its inputs and methodology with the CPUC's assumptions and guidelines as described below:

- CPA used the 2030 GHG Emissions Benchmark of 1.992 MMT assigned to it in the June 18, 2018 ALJ ruling.
- CPA ensured development of inputs in a way consistent with the Reference System Portfolio assumptions, where applicable. Specifically,
    - CPA's forecast was approved by an ALJ ruling to arrive at 2030 net loads.
    - CPA's load modifier assumptions were consistent with the 2017 IEPR demand forecast projections of both photovoltaic (PV) and non-PV self-generation, and load-modifying demand response included in the "mid Baseline mid AAEE mid AAPV" case.

CPA's Preferred Portfolio is the same as its Conforming Portfolio.

GHG Planning Price and GHG Emissions Benchmark

CPA did not use the GHG planning price when developing its portfolio. Instead, CPA ensured that its portfolio emissions were less than the GHG emissions benchmark assigned to it under the CNS methodology. The total emissions attributable to CPA's Conforming Portfolio were calculated to be less than the assigned GHG emissions benchmark.

[2] Available at: http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M216/K500/216500593.PDF

GHG Accounting in IRP Planning

CPA used the CNS methodology and CNS Calculator Tool v1.4.5 for GHG accounting and determining the emissions associated with CPA's Preferred Portfolio.

2.1. Objectives

CPA is committed to comply with the CPUC's IRP process to ensure it meets its obligation of serving customers affordable and reliable electricity, and meeting and exceeding California's emissions reductions goals. CPA intends to comply with all regulatory goals and requirements (SB 350 RPS, Resource Adequacy, AB 2514 Energy Storage, GHG Requirements).

CPA's approach was intended to adhere to the CPUC's Conforming Portfolio, consistent with CPUC assumptions. This IRP does not supersede CPA's internal procurement planning process, which is done in collaboration with CPA stakeholders and with the oversight and approval of the Board.

2.2. Methodology

2.2.1. Modeling Tool(s)

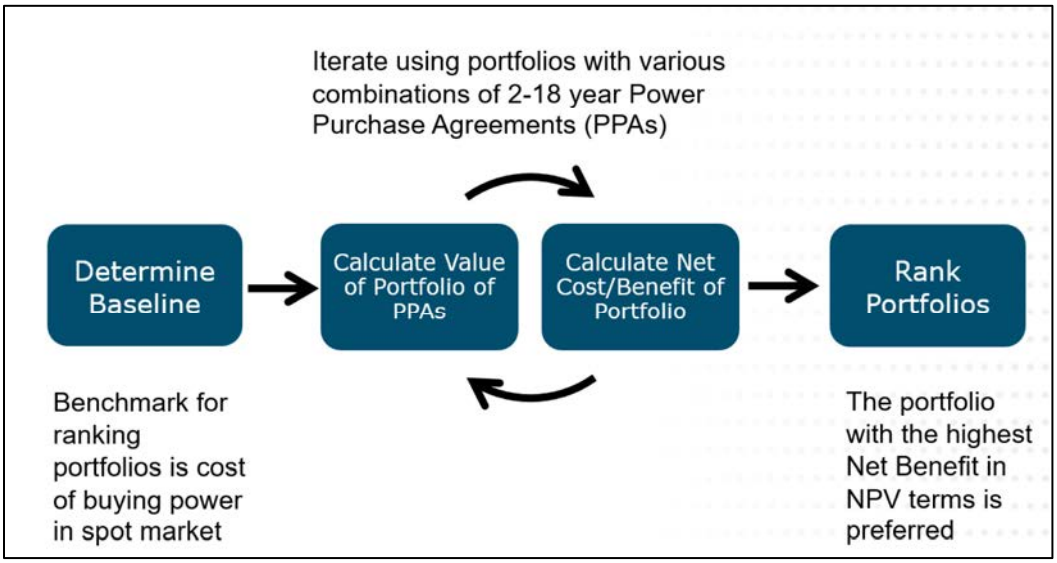
For modeling its Conforming Portfolio, CPA used an excel-based IRP model developed by E3. The model simulates CPA load, and generation procured to serve load, on a month-hour basis. Each resource is associated with a generation profile and an assumed cost ($ per MWh). The profiles and costs are consistent with CPUC IRP RESOLVE model assumptions. The capacity contribution (ELCC) of each renewable resource is determined from D. 18-02-018. Incremental capacity required to serve peak load plus a 15% reserve margin on a monthly basis is costed per projected prices of system and local/flexible Resource Adequacy (RA). When calculating incremental RA requirements, CPA's share of RA under the capacity allocation mechanism (CAM) was accounted for. Prices utilized in the IRP model are consistent with the CPUC IRP RESOLVE model, where applicable. For inputs that are not used in the CPUC IRP model, such as

capacity price and Renewable Energy Credit (REC) price projections, CPA used forecasts developed by E3 for the analysis, as described further in this Section 2.2.

2.2.2. Modeling Approach

To determine the selection of CPA's least-cost portfolio of Power Purchase Agreements (PPAs), the IRP model first calculates a baseline portfolio (Base Case) consisting of a portfolio achieving State and CPA policy goals through market purchases only (i.e. market purchases for energy, RA, as well as PCC1 RECs[3] for compliance with RPS and emissions goals). To evaluate each individual PPA (Single PPA) candidate for CPA's portfolio, an equal quantity of PCC1 RECs from the Base Case portfolio is replaced with the PPA energy, and this entire portfolio is evaluated. Then each portfolio of individual PPAs is ranked based on its net present value (NPV). Figure 1 below summarizes the approach used by CPA in developing its portfolio.

Figure 1. Process for evaluating and ranking PPAs in the CPA IRP model



The equation below describes the evaluation of each Single PPA. In the numerator, the 2018-2036 present value of a PPA in $/MWh is calculated as the present value 2018-2036 Base Case

[3] Note, PCC2 RECs do not provide emissions reduction benefits after 2020 based on the CPUC's CNS methodology and are therefore not included in the long-term analysis for CPA's portfolio as viable market purchase options.

portfolio cost net of the present value 2018-2036 Single PPA portfolio cost. The denominator MWh is the Single PPA energy delivered net of curtailment from the PPA. Present value results assume a real discount rate of 5% (nominal discount rate of 7%), consistent with CPUC IRP RESOLVE modeling. A positive value of PPA indicates that the cost of serving CPA loads with the single PPA is lower than the Base Case.

$$\text{Value of PPA}\left(\frac{\$}{\text{MWh}}\right) = \frac{\text{Base Case Portfolio} - \text{Single PPA Portfolio}}{\text{Single PPA Delivered MWh}}$$

The final resource portfolio comprises the least-cost portfolio of PPAs and PCC1 RECs achieving State and CPA policy objectives. For example, a storage paired with solar PV product may be more expensive than a solar PV only product, however storage must be procured to achieve State policy objectives per AB 2514. Within the PPAs evaluated, out-of-state Northwest Hydro (NW Hydro) resource PPAs in high-load hour (HLH) and low-load hour (LLH) blocks are also considered as a part of the least-cost strategy to meet emissions reductions objectives. Any residual demand not met by single PPAs is assumed to be met from generic market purchases. Similarly, if a portfolio results in excess procurement in any year, such excess is assumed to be sold in the market and generic revenue value for this energy is credited to the portfolio.

2.2.3. Assumptions

CPA aligned all the inputs with the CPUC IRP planning process, except for forecasts for RA and REC prices, which are not provided by the CPUC. The detailed assumptions for each broad category are described in the following sections.

2.2.3.1. Loads

CPA aligned its load forecasts with 2017 IEPR as shown in Figure 2 below. In order to align CPA's 2030 net loads with IEPR forecasts, E3 IRP model assumes more energy efficiency than IEPR forecasts.

Figure 2. Comparison of CPA load assumptions to 2017 IEPR forecasts

Load Modifiers as % of CAISO Net Load

2017 IEPR "Mid"

	2019	2030
BTM Solar*	-16%	-23%
Energy Efficiency	-2%	-13%
Electric Vehicles	+1%	+6%
Building Electrification	0%	0%
DR	-	-
CPA Load (TWh)	10.1	11.4

Load Modifiers as % of CPA Net Load

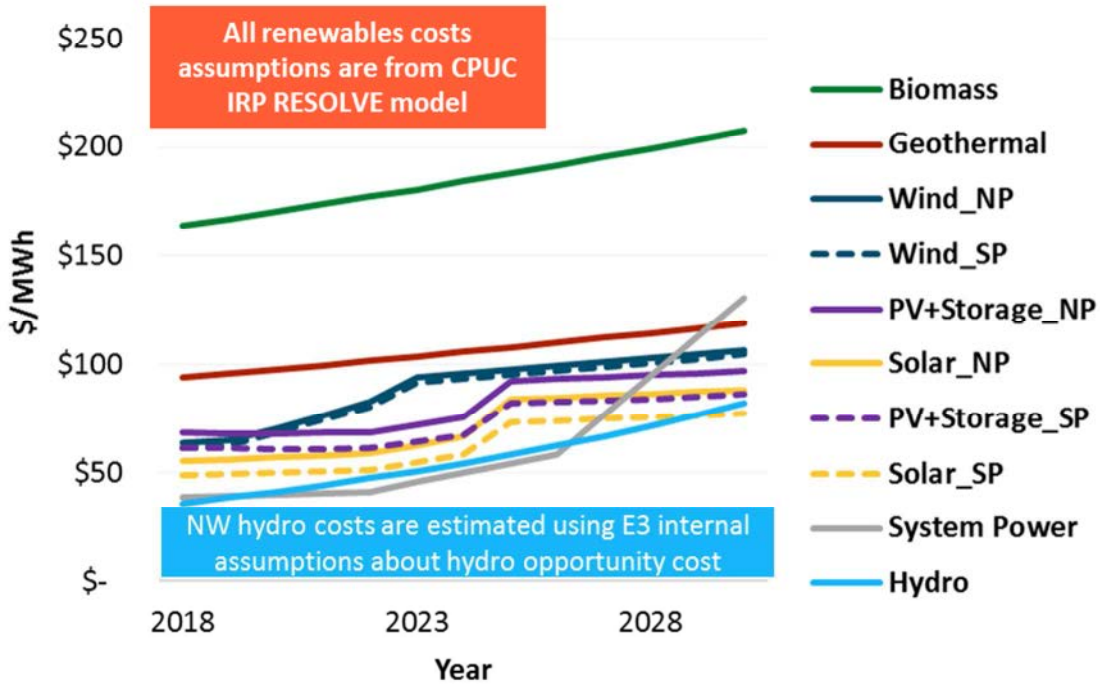
E3 IRP Model

	2019	2030
BTM Solar	-16%	-23%
Energy Efficiency	-2%	-17%
Electric Vehicles	+1%	+6%
Building Electrification	0%	0%
DR	-	-
CPA Load (TWh)	10.1	11.4

2.2.3.2. Low-Carbon Resource Options and Costs

Resources considered for CPA's portfolio include RPS-eligible resources included in the CPUC's Reference System plan modeling (NP solar, NP wind, SP solar, SP wind), as well as PCC1 and PCC2 RECs (for 2019 and 2020 modeling years only), and zero-emission hydro PPAs that are assumed to be procured in HLH/LLH blocks. Resource cost assumptions for solar, wind and storage resources were consistent with the CPUC IRP RESOLVE model. CPA also considered contracts with NW Hydro resources as a part of its portfolio evaluation, which were not included in the CPUC IRP modeling process. NW Hydro costs relative to other resource costs are shown in the Figure 3 below. NW Hydro PPA forecasts are developed by E3 using internal forecasts using opportunity costs for NW Hydro asset owners of selling into other markets.

Figure 3. Comparison of NW Hydro PPA price forecasts to other CPUC IRP resource cost assumptions



Because they were not provided by the CPUC, forecasts for PCC1 REC prices were imputed by E3 using CPUC IRP RESOLVE model resource cost assumptions and the energy prices resulting from the CPUC Reference System Plan. The REC prices were assumed to be the difference between the resource cost and the market revenues (energy and capacity) through 2026. After 2026, PCC1 prices were escalated at 2%. The equation shown below details the methodology used for estimating PCC1 REC prices:

$$\text{PCC1 REC Price}\left(\frac{\$}{\text{MWh}}\right) = \text{In state solar resource cost} - \text{Energy value} - \text{Capacity value}$$

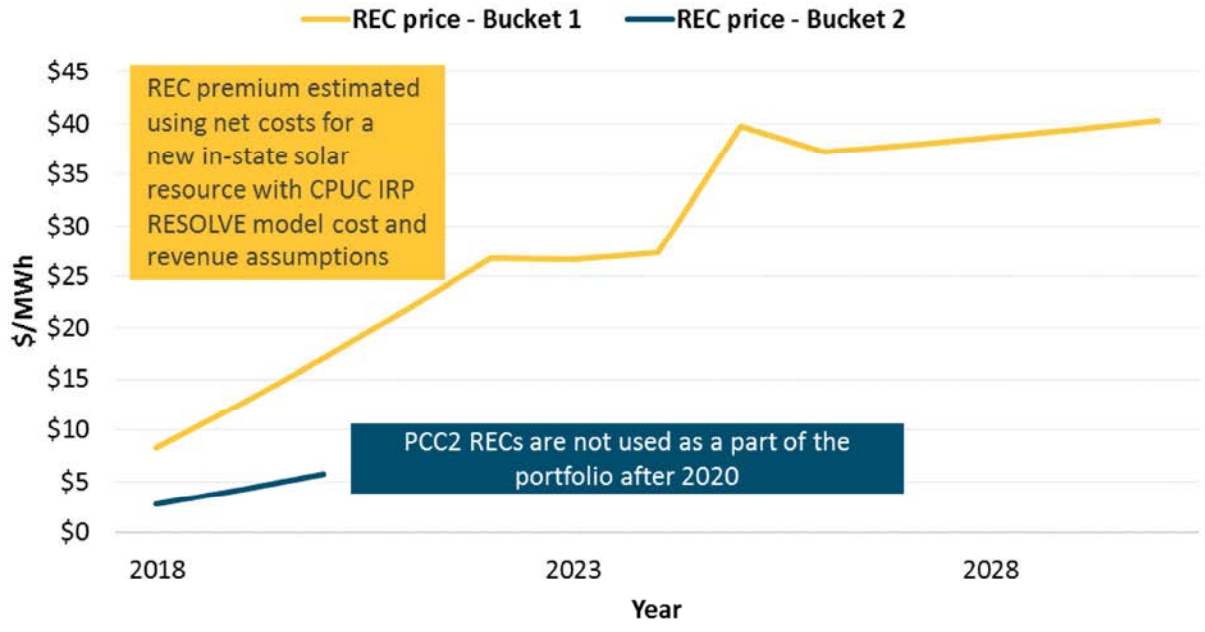
where in-state solar resource costs are consistent with CPUC Reference System Plan assumptions, energy value is calculated using the Reference System Plan month-hour energy price outputs and resource shapes, and capacity value is calculated using the CPUC-published marginal ELCC value for solar and E3's capacity price forecast, which is described in section 2.2.3.3 in more detail.

For forecasting PCC2 REC prices, E3's internal forecasts were used to inform the expected differentials between PCC1 and PCC2 REC prices. E3's forecasts assume that the marginal resource for a PCC2 REC is an out-of-state wind resource that:

- Costs less than an in-state solar resource
- Has a higher energy + capacity value relative to an in-state solar resource due to solar saturation on the system

This results in PCC2 RECs being lower cost than PCC1 RECs. E3's PCC2 forecasts therefore assume that PCC2 RECs can be procured for 1/3rd of the prices forecasted for PCC1 RECs, which benchmarks to current market trends. When using the CPUC's CNS methodology, CPA does not assume incremental emissions reductions credit from PCC2 resources after 2020; therefore, they are not included in the portfolio starting in 2021 to meet any emissions reductions targets. Figure 4 summarizes the REC and clean attribute price forecasts developed using the aforementioned methodology.

Figure 4. REC and clean attribute price forecasts



2.2.3.3. Capacity

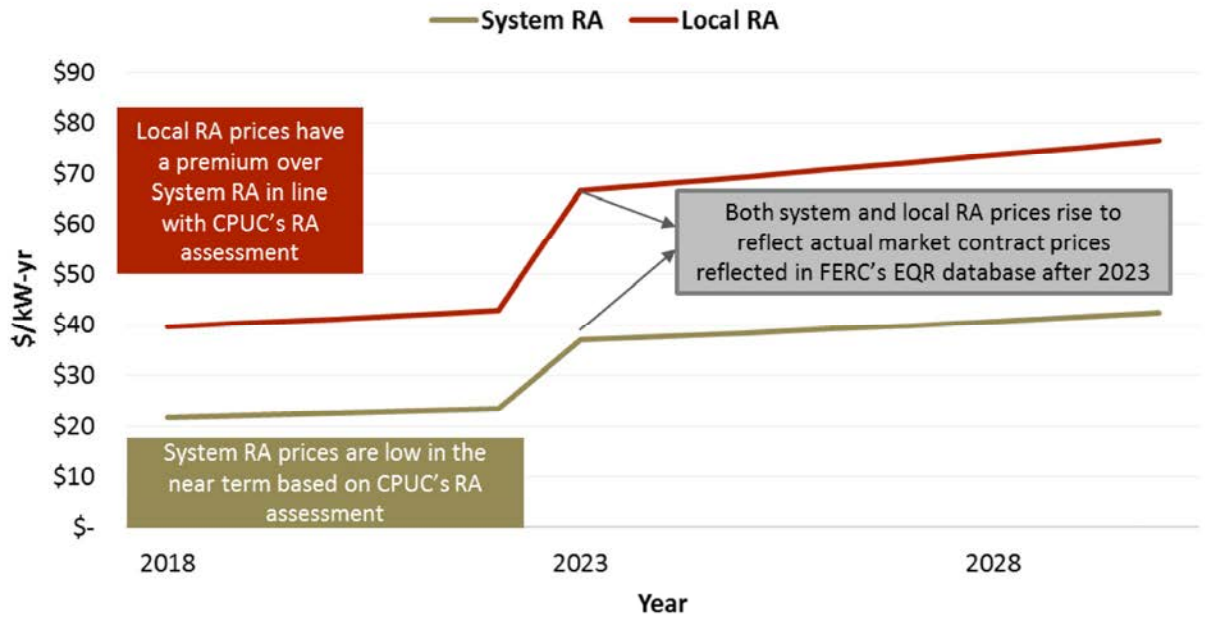
CPA assumed ELCC contributions of its portfolio renewables to be consistent with D. 18-02-018, as described in Table 1 below. CPA ensures RA purchase volumes meet 115% of its monthly maximum load. 34% of CPA's RA procurement is assumed to be local/flexible (5% Big Creek/Ventura, 16% Los Angeles Basin, 13% Flexible), whereas the remaining 66% is system RA. The net procurement needs for system, local and flexible RA are calculated after taking into account CPA's share of SCE RA resources under the capacity allocation mechanism (CAM).

Table 1. ELCC assumptions for wind and solar resources evaluated as a part of CPA's portfolio analysis

Resource	2018	2022	2026	2030
Solar PV	13%	2%	2%	2%
Wind	29%	31%	30%	30%

Any residual RA needs that are not met with the portfolio are assumed to be purchased and contracted for from the market at prices developed by E3. The price forecasts for RA are developed using a combination of the 2016 CPUC RA report in the near-term, and the FERC Electronic Quarterly Reports (EQR) database after 2022. The forecasts are shown in Figure 5 below.

Figure 5. Market RA price forecasts for system and local RA.



3. Study Results

This section summarizes the results from the analytical work described in Section 2.

3.1. Portfolio Results

CPA's Conforming Portfolio is also its Preferred Portfolio.

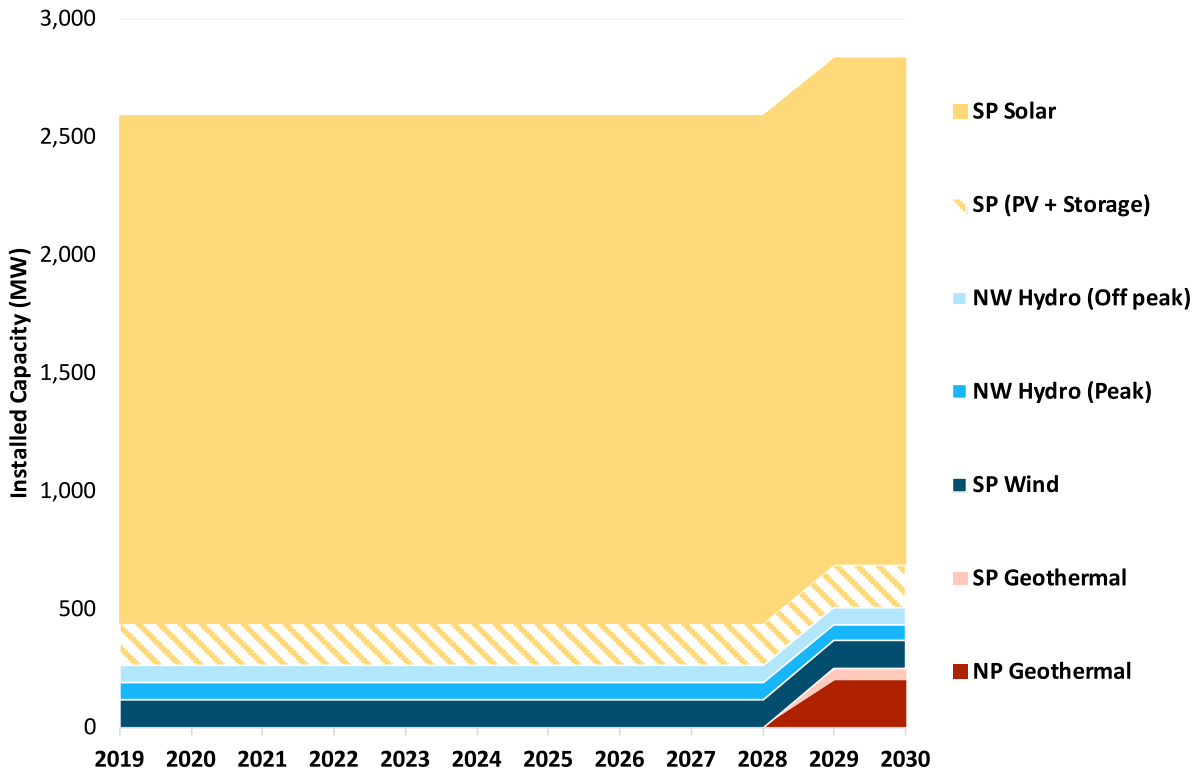
The new resources CPA plans on investing in are shown below in Table 2. Figure 6 provides a visual representation of CPA's Conforming Portfolio.

Table 2. CPA's proposed PPAs for the Conforming Portfolio

Resource	Years	Capacity (MW)
SP Wind	2019-2028	120
NW Hydro (Peak)	2019-2028	70
NW Hydro (Off Peak)	2019-2028	70
SP Solar	2019-2028	2,150
SP (Solar PV + Storage)	2019-2028	180
SP Wind	2029-2036	120
NW Hydro (Peak)	2029-2036	70
NW Hydro (Off Peak)	2029-2036	70

SP Solar	2029-2036	2,150
SP (Solar PV + Storage)	2029-2036	180
NP Geothermal	2029-2036	200
SP Geothermal	2029-2036	47

Figure 6. CPA's proposed PPAs for the Conforming Portfolio



CPA's existing contracts are summarized in Table 3 below.

Table 3. CPA contracts with existing resources (2018-2020)

Resource	2018	2019	2020
PCC 1 RECs (MWh)	41,826	51,797	51,970
PCC 2 RECs (MWh)	71,739	77,695	77,954
Carbon Free attributes (MWh)	314,819	353,955	254,135
Off-peak Energy (MWh)	421,800	865,800	867,600
Peak Energy (MWh)	597,600	1,105,200	1,108,800
Flex and Local Capacity (MW)	314	901	2,965
System Capacity (MW)	677	3,643	3,943

The Conforming Portfolio's 2030 emissions, calculated using the CNS methodology from the CPUC's GHG Calculator, is below the emissions benchmark set by the CPUC. This is illustrated in Table 4.

Table 4. CPA's 2030 Portfolio Emissions

CPUC Benchmark Emissions for CPA	CPA's Portfolio Emissions
1.992 MMT	1.909 MMT (4% lower than benchmark)

3.2. Preferred and Conforming Portfolios

CPA evaluated several Conforming Portfolios and selected the portfolio that balances procurement flexibility in the near-term and a resource mix that minimizes costs to ratepayers on an NPV basis, while meeting regulatory requirements and emissions goals.

As a California LSE, CPA is required to comply with certain regulatory requirements. These include California's SB 350, AB 2514, AB 1110, as well as RA requirements. A brief description of these regulatory requirements, as applicable to CPA, and how the Conforming Portfolio complies with these requirements is provided below.

SB 350 (Clean Energy and Pollution Reduction Act of 2015)

Renewable Portfolio Standard (RPS)

On October 7, 2015, Governor Brown signed SB 350 (De Leon and Leno), the Clean Energy and Pollution Reduction Act of 2015, which amongst other clean-energy initiatives, increased California's RPS procurement target from 33% by 2020 to 50% by 2030, with interim targets of 40% by the end of 2024 and 45% by the end of 2027. CPA has assumed straight-line annual increases between years, with a target to meet or exceed SCE's RPS deliveries. CPA offers customers several rate options based on renewable content, all of which exceed the

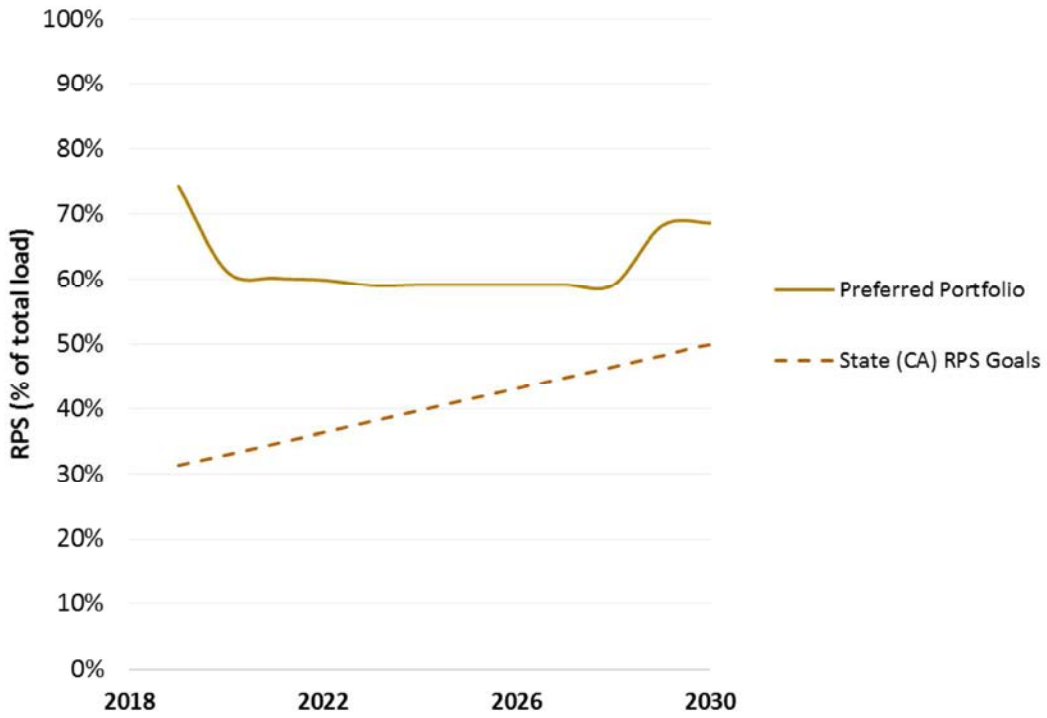
requirements of SB 350, including a 100% renewable option. The RPS deliveries achieved in every year will be a function of CPA customers' actual RPS content rate selection.

CPA's Conforming Portfolio is compliant with State RPS policy goals and exceeds the State RPS goals in every year. This is shown on a year-on-year basis in Figure 7. The 2019 RPS is significantly higher relative to the following years because:

- CPA loads ramp up to full enrollment by mid-2019, however, for modeling purposes E3 assumed that CPA's enrollment of all customers was complete at the beginning of 2019.
- The E3 IRP model ensures that 2019 procurement is sufficient to meet RPS needs over the next 10 years.

Due to this modeling artifact, CPA RPS for 2019 might be overstated, and in reality, CPA is expected to adopt a more staggered approach in its procurement of renewables for its new load.

Figure 7. CPA Conforming Portfolio RPS relative to CA RPS policy goals



Vehicle Electrification

SB 350 states that a principal goal of electric utilities' resource planning and investment is to improve the environment and encourage the diversity of energy sources through, among other means, widespread transportation electrification. Increased access to transportation electrification for disadvantaged communities, low- and moderate-income communities, and increased use of vehicles in those communities is desired to reduce GHG emissions, enhance air quality, and promote benefits to those communities as well as to other consumers.

CPA derived its vehicle electrification forecasts by applying the same percentage reflected in the 2017 CEC IEPR forecasts.

Integrated Resource Planning

CPA's IRP planning process ensures that both State and local emissions reductions goals are met at just and reasonable rates, while ensuring resource adequacy.

Procurement

SB 350 requires that retail sellers procure a minimum of 65% of their RPS compliance requirement under contracts with terms of 10 years or longer beginning in 2021. CPA's Conforming Portfolio uses long-term contracts starting in 2019 to serve its loads while meeting policy and regulatory needs.

AB 2514 (Storage Mandate)

AB 2514 was signed into law in 2010 and D. 13-10-040 mandated storage procurement targets for all LSEs in California. By 2020, each LSE is required to contract for storage capacity equal to 1% of its forecasted 2020 peak load. Storage resources must be operational by no later than the end of 2024.

CPA's portfolio analysis ensures that 1% of annual peak load is met through solar + storage resources in the portfolio in order to fulfill the storage mandate:

	2022	2026	2030
CPA Peak Load (MW)	2,683	2,598	2,557
Installed Storage (MW)	27[4]	27	27
Storage (% of Peak Load)	1%	1%	1%

AB 1110 (Power Source Disclosure)

AB 1110 was signed into law in 2016. One of the goals of this bill was to increase transparency of the Power Content Label, which requires LSEs to disclose information about the energy resources used to generate the electricity they sell. This bill requires regulators to adopt a methodology for calculating GHG emission intensities for electricity sources. The methodology will take effect in June 2020.

The CPUC is currently analyzing potential changes to the calculation methodologies. One of the methodologies in active consideration is the CNS method. This method assigns an emissions intensity factor for every hour of the year. The LSE's net load that is not served by renewable resources is multiplied by these hourly emissions factors to yield its annual carbon emissions. The key attributes of this proposed methodology are:

- Carbon-free generation that is supplied during periods of curtailment cannot be counted as reducing emissions.
- PCC2 RECs will not provide carbon reductions.
- The CPUC will develop projections of average (versus marginal) hourly emissions that every LSE will use in its estimates. These emissions will be related to dispatchable thermal and unspecified imports sources on the CAISO system.

The current version of the CNS tool has been utilized in CPA's IRP model to calculate emissions associated with its portfolio and ensure compliance with the assigned 2030 GHG emissions benchmark.[5] Use of this methodology does not imply an endorsement of it by CPA.

[4] Storage capacity is assumed to be 15% of solar nameplate capacity in solar + storage projects. Here, all 27 MW of storage comes from 180 MW of a SP solar + storage resource.

[5] Emission factors are included in the CPUC 2017-18 GHG calculator which is available here: http://www.cpuc.ca.gov/uploadedFiles/CPUCWebsite/Content/UtilitiesIndustries/Energy/EnergyPrograms/ElectPowerProcurementGeneration/irp/2018/GHG%20Calculator%20for%20IRP%20v1.3.xlsx

Resource Adequacy

California's RA program requires that each LSE procure its share of three types of capacity: (a) system RA requirement calculated based on CEC's load forecast + 15% planning reserve margin for entire system; (b) local RA based on CAISO's 1-in-10 load, N-1-1 power flow studies for transmission-constrained areas; and (c) flexible RA from resources that meet CAISO flexibility requirements. California's IOUs, electricity service providers, and CCAs must all comply with these requirements. On an annual basis, 90% of system RA for the five summer months, 100% of local RA for all twelve months, and 90% of flexible RA for all twelve months must be procured. On a month-ahead basis, 100% of system and flexible RA obligation must be met.

CPA's Conforming Portfolio accounts for and meets its system, local and flexible RA obligations.

3.2.1. Local Air Pollutant Minimization

Per its Joint Powers Agreement, CPA intends to provide and manage its energy portfolio and products in a manner that promotes public health in areas impacted by energy production, including Disadvantaged Communities. Utilizing the CalEnviroScreen 3.0 dataset, CPA has determined that 34% of the 294 zip codes within its service territory either entirely or partially contain census tracts identified as Disadvantaged Communities.

Utilizing the U.S. EPA's FLIGHT data (Facility Level Information on Greenhouse Gases Tool), CPA has identified four power plants within its territory that are classified as large emitters, two of which are located within a zip code containing Disadvantaged Communities. While one of these two plants is currently retired, with the other requesting retirement this year, they may retain deliverability. To the extent possible through its procurement activities, CPA is committed to identifying opportunities to support the replacement of retired facilities with renewable resources, to reduce the pollution burden in these communities. CPA will also incorporate impacts of new resources on Disadvantaged Communities in its selection metrics for future PPA solicitations.

Subject to a future local programs strategic planning and community outreach process and subsequent Board direction, CPA also intends to deploy air pollution mitigation programs in Disadvantaged Communities within its territory, such as building and transportation electrification programs.

CPA will also ensure that higher tiers of renewable product offerings are made available for low-income customers and all its customers. CPA estimates that it will enroll over 230,000 low-income residential customers that take service on California Alternative Rates for Energy (CARE), approximately 20% of its estimated residential customer accounts.

3.2.2. Cost and Rate Analysis

CPA optimized its portfolio to ensure lowest NPV costs of procurement to ratepayers given its emissions goals. The IRP model used by CPA fills up the portfolio from least-cost to highest-cost resources while ensuring that CPA's regulatory requirements and emissions goals are met. In addition, E3's IRP model considers CPA's current contracts and RA contracts allocated to CPA under the cost allocation mechanism (CAM)[6] to determine the gap that needs to be filled by new resources. This ensures that CPA does not over-procure RA when developing its portfolio.

Considering the divergence in CPUC's resource cost assumptions and actual PPA bids observed in the market, CPA expects the fixed costs associated with its resource portfolio to be lower than what has been submitted in the New Resource data template.

With this approach, CPA ensures that its regulatory and local policy goals are met while maintaining fair and reasonable rates for its ratepayers.

3.3. Deviations from Current Resource Plans

Not applicable – CPA does not have other currently filed or authorized resource plans.

[6] CAM allocation methodology is consistent with the instructions provided for this Exhibit A.

3.4. Local Needs Analysis

CPA's Conforming Portfolio accounts for its system, local and flexible RA obligations. CPA has local RA procurement requirements in two local capacity areas: LA Basin and Big Creek/Ventura. The CAISO 2017-2018 Transmission Plan LCT Report does not show a local capacity deficiency in LA Basin or Big Creek/Ventura in either 2018 or 2022. However, RA is an important consideration in CPA's evaluation of new resources.

4. Action Plan

4.1. Proposed Activities

CPA's procurement activities are structured to achieve internal energy and financial goals, as directed by its member agencies and approved by CPA's Board, including meeting all compliance obligations to ensure a safe, affordable, reliable, and clean power supply.

As a newly-formed CCA, CPA will be launching its first solicitation for long-term renewable contracts in Fall 2018. Although individual contracts may vary from Study Results presented in Section 3, CPA will incorporate key trends from this IRP study in its forecasting and procurement processes:

- Demand trends including population of customers served, climate, energy efficiency, distributed generation, electrification of vehicles and buildings, and emerging industries impact both the volume and shaping of CPA's resource requirement.
- A diverse resource mix is required to address impacts of curtailment, grid reliability, and resource value for customers.
- CPA will seek to contract for other carbon-free, non RPS-eligible resources (hydro) that will facilitate meeting emissions-reductions targets in a cost-effective manner.
- With respect to Disadvantaged Communities, CPA plans to incorporate impacts of new resources on Disadvantaged Communities in its selection metrics for future solicitations and intends to deploy air pollution reduction strategies, such as transportation and building electrification, for Disadvantaged Communities.

CPA's long-term procurement planning processes are evolving, and CPA intends to incorporate the following analysis in the next IRP cycle:

- Load forecast incorporating CPA-specific customer programs and goals
- Resource mix that incorporates up-to-date, observed market-based resource costs assumptions
- Local resource development programs or goals developed with feedback from CPA's community outreach efforts, including its Community Advisory Committee, and any other energy policies established by the CPA Board
- Programs addressing air pollution minimization for Disadvantaged Communities

CPA continuously monitors and updates its procurement portfolio planning based on market information and risks, legislative and policy changes, technological improvements, and customer trends. CPA evaluates its resource mix to balance cost minimization to ratepayers, compliance with regulatory requirements and emissions goals, and implementing CPA-specific energy goals.

4.2. Barrier Analysis

For procurement decisions, CPA considers risk factors, including the following:

- Market and commodity price risks (CAISO LMPs, RA prices, RPS prices, etc.)
- Variance from estimated load forecasts
- Curtailment
- Adoption of customer and community programs
- Emerging technologies
- CPA's customer participation/opt-out rate
- Unplanned resource allocation costs (for example, through CAM, RMR, CPM)
- Legislative changes, including:

- AB 813 - The introduction of a multistate regional grid would increase the number of resources eligible as PCC1, which would change the assumptions around resource mix and costs.
- SB 100 - The introduction of a 100% RPS, depending on the rules, would significantly impact the renewable targets that CPA is seeking to achieve as part of its procurement activities.

- Regulatory changes, including:
  - Resource Adequacy - The CPUC's RA proceeding is considering changes to the program, including a central buyer and an introduction of a multi-year RA program. Either of these changes would have implications for CPA's RA procurement planning going forward.
  - PCIA - The Joint IOU proposal in the PCIA OIR would allocate existing renewable and large-hydro resources to CCAs, including CPA. Receiving such an allocation would significantly change CPA's approach to procurement.

4.3. Proposed Commission Direction

CPA seeks the following direction from the CPUC to minimize barriers identified in Section 4.2:

- Currently, SCE provides only two years of historical load data to CCAs and other data access is limited. If SCE provided greater data sharing, this would allow CPA to improve its load forecast, optimize its procurement, and better facilitate energy planning efforts statewide.
- CPA would like to see D.06-06-066 revised to include the same confidentiality treatment for CCA customers as provided for IOUs and ESPs, to ensure CCA customers are afforded the same market protections as IOU and ESP customers.

5. Data

5.1. Baseline Resource Data Template

CPA is submitting the baseline resource data template as required by the CPUC as a part of the IRP process. Note that CPA has completed the templates using the dropdown menu options where applicable. However, this may not be fully accurate in the representation of CPA's existing contracts.

For example, the resource shape options may not fully represent the actual generation profile of CPA's current contracts and may result in total energy value assigned to existing contracts that differs from the actual energy associated with them. CPA has also added its CAM resource allocations on an aggregated basis for CPA's share of SCE system and local RA resources.

5.2. New Resource Data Template

CPA is submitting the baseline resource data template as required by the CPUC as a part of the IRP process. Similar to the Baseline Resource data template, CPA has attempted to best represent the profiles and costs of new resources it will consider in developing its procurement strategy. However, the actual generation from these resources, their emissions reductions benefits, and the fixed costs associated with them will be a function of the specific contracts CPA ends up executing.

5.3. Other Data Reporting Guidelines

CPA is also including its completed version of the CPUC GHG Calculator for the IRP, as required by the CPUC. All contracted and delivering CEC RPS qualified resources are included for the year 2018 in the calculator. Note that CPA has approximated the shapes of these resources using CPUC GHG calculator dropdowns, and the exact resource profiles of these contracts may differ from those in the calculator.

6. Lessons Learned

CPA's Conforming Portfolio submission utilizes assumptions and methodology consistent with the Reference System Plan. However, some Reference System Plan assumptions, particularly resource cost projections, are unrealistic, which can lead to skewed results in the Conforming Portfolios submitted by all LSEs. More realistic resource cost assumptions could provide a more useful Conforming Portfolio.

CPA would have liked to provide Alternative Portfolios as part of its IRP submission; however, given the time constraints in the highly compressed IRP process, analyzing multiple portfolios was particularly challenging. CPA is committed to working closely with the CPUC and other stakeholders in future resource planning efforts to ensure modeling assumptions are realistic and that planning efforts result in statewide energy goals being met in a reliable, fair, and cost-effective manner for CPA's customers.

In addition, the late and changing instructions from the CPUC made the 2018 IRP challenging, particularly given CPA's required timeframe for Board approval of the IRP submission. However, CPA appreciates CPUC staff efforts to clarify and revise templates and instructions to address CCA concerns. CPA looks forward to engaging the CPUC early in the IRP planning process to ensure submission documents are relevant and applicable to CCAs and take into account local decision-making structures.

Data Template Instructions	On the "New_Resources" tab, please report each new resource (chosen from among RESOLVE candidate resource types or indicate Other_New) that the LSE plans to invest in through the IRP planning horizon. These are analogous to “candidate” resources as defined in the RESOLVE model, and incremental to any resource that was reported in the Baseline Resource Data Template, i.e. "new steel in the ground." For situations where the LSE is reporting a future contract with unknown existing resource(s) (e.g. a new RA contract with an existing unit that comes off its existing contract in a future year), do NOT report it in this workbook, rather, report it in the Baseline Resource Data Template. On the "New_Resources" tab, also report the total fixed cost of each new resource. Column heading definitions are below. On the "New_Costs" tab, please report cost projections if applicable to the reporting entity. These are costs associated with the resources in the "New_Resources" tab and incremental to any costs reported in the Baseline Resource Data Template. Report all costs in 2016 dollars, using the IEPR dollar deflator series posted to the IRP Filing Materials and Templates webpage. Explain the composition of each cost category in the text body of the Standard LSE Plan Template. Incremental revenue requirement should be the sum of the other components in this worksheet. If including new load or load modifying resource information as part of a portfolio reported in the Standard LSE Plan Template, then follow the instructions on the "Instructions_IEPR_Forms" tab of this workbook to report that data. Many cells include data validation that requires the LSE to populate cells with only the allowed values shown in the cell's drop down menu. Data entry may be done manually, with copy/paste, or with a script - but only allowed values for that cell must be entered - this is critical to ensuring clean and reconciliable data. Cells must contain only text or numerical data. Do not use the "Insert Comment" feature of Excel to comment on specific cells. Instead please comment on specific cells in the text body of the Standard LSE Plan Template.
New_Resources Column Heading	**Instruction and Description**
LSE_Name	Select from the drop-down menu the Load Serving Entity (LSE) name. This column must not be blank.
New_Resource_Type	Select a RESOLVE candidate resource type from the dropdown. Select "Other_New" if LSE's selected resource does not match any of the RESOLVE candidate resource types. This column must not be blank.
Other_New_Description	Default: leave blank. If LSE selects "Other_New" under column New_Resource_Type, then fill in this cell with a description of the resource technology and operational attributes.
Location	Select from the drop down menu the resource location. If the location is inside the CAISO balancing area, then select the local capacity area or select "CAISO_System" if not within any local capacity area. If the location is outside the CAISO balancing area, then select the appropriate non-CAISO location. This column must not be blank.
Year_Begin	Expected online year in yyyy format. This column must not be blank.
Year_End	Expected end of long-term contract or retirement year in yyyy format. Enter 2050 if no end date. This column must not be blank.
Nameplate_MW	Enter the resource's nameplate capacity value (MW). The nameplate capacity is the maximum rated AC output of the unit. This column must not be blank.
AnnualEnergy_GWh	Enter the resource's expected annual energy production (GWh). This column must not be blank.
Tech_Sub_Type	If applicable to the type of technology, select the sub-type from the dropdown (e.g. fixed vs. tracking solar). Otherwise leave blank.
SolarPV_InverterLoading	If resource is solar PV, enter the ratio of installed DC panel capacity to installed AC inverter capacity (unitless number between 2 and 1). Otherwise leave blank.

Storage_Depth_MWh	If resource is energy storage, enter the discharge capacity in MWh at max output. Otherwise leave blank.
Storage_Efficiency	If resource is energy storage, enter the round-trip efficiency (unitless number between 0 and 1). Otherwise leave blank.
FCDS	1 = This resource is fully deliverable; 0 = This resource is energy-only. This column must not be blank.
New_Rsrc_Total_Fixed_Costs	In 2016 $, enter the total fixed cost of this new resource. This column must not be blank.
New_Tx_Name	If new transmission is required for this new resource, enter the new transmission project name/identifier. Otherwise leave blank.
New_Tx_LSE_Share_MW	If new transmission is required for this new resource, enter the LSE's share in MW of the total new transmission line capacity. Otherwise leave blank.
New_Tx_Total_MW	If new transmission is required for this new resource, enter the total new transmission line capacity in MW. Otherwise leave blank.
New_Tx_LSE_Share_Fixed_Costs	If new transmission is required for this new resource, enter in 2016 $ the LSE's share of the total fixed cost of the new transmission triggered by this new resource. Otherwise leave blank.
New_Tx_Total_Fixed_Costs	If new transmission is required for this new resource, enter in 2016 $ the total fixed cost of the new transmission triggered by this new resource. Otherwise leave blank.

If LSEs use different load and load modifier assumptions as part of any Alternate portfolios, the LSE should report that information using the standard IEPR filing form templates associated with that information, included as additional tabs within this workbook, one tab per IEPR Form. The LSE should clearly identify the data that differs from the forms it submitted to the CEC in 2017 as part of the 2017 IEPR process. The table below indicates which standard IEPR filing forms apply to which entity. IEPR Forms may be downloaded here:

CEC IEPR Forms http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN215680-1_20170131T142702_FINAL_2017_Electricity_Demand_Forecast_Forms.xlsx

CEC Instructions http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN215675_20170131T111216_FINAL_Forms_and_Instructions_for_Submitting_Electricity_Demand.pdf

		IOU	CCA	ESP
Form 1.1a	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled & Direct Access	X		
Form 1.1b	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled Customers	X		
Form 1.2	DISTRIBUTION AREA NET ELECTRICITY FOR GENERATION LOAD (GWh)	X		
Form 1.3	LSE COINCIDENT PEAK DEMAND BY SECTOR (Bundled Customers)	X		
Form 1.4	DISTRIBUTION AREA COINCIDENT PEAK DEMAND	X		
Form 3.2	ENERGY EFFICIENCY - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 3.3	DISTRIBUTED GENERATION - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 3.4	DEMAND RESPONSE - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 4	REPORT ON FORECAST METHODS AND MODELS	X	X	
Form 6	UNCOMMITTED DEMAND-SIDE PROGRAM METHODOLOGY	X		
Form 7.1	ESP DEMAND FORECAST			X
Form 7.2	CCA DEMAND FORECAST		X	

LSE_Name	New_Resource_Type	Other_New_Description	Location	Year_Begin	Year_End	Nameplate_MW	AnnualEnergy_GWh	Tech_Sub_Type	SolarPV_InverterLoading	Storage_Depth_MWh	Storage_Efficiency	FCDS	New_Rsrc_Total_Fixed_Costs	New_Tx_Name	New_Tx_LSE_Share_MW	New_Tx_Total_MW	New_Tx_LSE_Share_Fixed_Costs	New_Tx_Total_Fixed_Costs
Los Angeles Community	Southern_California_Desert_Wind		CAISO_System	2019	2028	120	284					1	191597532					
Los Angeles Community	Southern_California_Desert_Solar		CAISO_System	2019	2028	2150	6551	Solar_Track1axis	1.30			1	2954325742					
Los Angeles Community	Southern_California_Desert_Solar		CAISO_System	2019	2028	180	548	Solar_Track1axis	1.30			1	247338899					
Los Angeles Community	CAISO_New_Li_Battery		CAISO_System	2019	2028	27	39			108	0.85	1	29366922.8					
Los Angeles Community	Southern_California_Desert_Wind		CAISO_System	2029	2036	120	284					1	205692344					
Los Angeles Community	Southern_California_Desert_Solar		CAISO_System	2029	2036	2150	6551	Solar_Track1axis	1.30			1	2998884355					
Los Angeles Community	Southern_California_Desert_Solar		CAISO_System	2029	2036	180	548	Solar_Track1axis	1.30			1	251069388					
Los Angeles Community	CAISO_New_Li_Battery		CAISO_System	2029	2036	27	39			108	0.85	1	14088424.4					
Los Angeles Community	Northern_California_Geothermal		CAISO_System	2029	2036	200	1752					1	1262746264					
Los Angeles Community	Southern_Nevada_Geothermal		CAISO_System	2029	2036	47	412					1	296745372					

Cost Category	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Incremental Distribution													
Incremental Transmission													
Incremental Generation													
Incremental Demand Side Programs													
Incremental Other													
Incremental Revenue Requirement													

LSE_Type	LSE_Name_Long	LSE_Name_Short	New_Resource_Type	Location	Year_Begin	Year_End	Tech_Sub_Type	SolarPV_InverterLoading	Storage_Efficiency	FCDS	
ESP	3 Phases Renewables Inc	3PhasesRenewable	CAISO_New_Advanced_CCGT	BigCreekVentura	yyyy	yyyy	Solar_FixedTilt	1 <= R <= 2	0 <= E <= 1	0 or 1	
ESP	Agera Energy LLC	AgeraEnergy	CAISO_New_Aero_CT	GreaterBayArea	2018	2018	Solar_Track1axis	1	0	0	
ESP	American Powernet Management	AmericanPowerNetM	CAISO_New_Conventional_DR	LABasin	2050	2050	Solar_Track2axis	2	1	1	
Co-op	Anza Electric Cooperative	AnzaElecCoop	CAISO_New_Flexible_Load_Shift	Other_PGE			Solar_Thermal				
CCA	Apple Valley Choice Energy	AppleVlyChoiceEn	CAISO_New_Flow_Battery	SanDiegoImperialValley							
Utility	Bear Valley Electric Service	BearValley	CAISO_New_Li_Battery	CAISO_System							
ESP	Calpine Energy Solutions LLC	CalpineEnergySoln	CAISO_New_Pumped_Storage	Non_CAISO_In_State							
ESP	Calpine Poweramerica-CA LLC	CalpinePowerAmCA	CAISO_New_Reciprocating_Engine	Out_Of_State							
CCA	Clean Power San Francisco	CleanPowerSF	CAISO_New_Small_Hydro								
ESP	Commercial Energy of California	CommercialEnergyCA	Northern_California_Solar								
ESP	Constellation New Energy Inc	ConstellationNewEn	Solano_Solar								
CCA	Desert Community Energy	DesertCommunityEn	Central_Valley_North_Los_Banos_Solar								
ESP	Direct Energy Business	DirectEnergyBusiness	Westlands_Solar								
CCA	East Bay Community Energy	EastBayCommunityEn	Greater_Carrizo_Solar								
ESP	EDF Industrial Power Services CA LLC	EDFIndustrialPowerSrv	Tehachapi_Solar								
ESP	Just Energy Solutions Inc	JustEnergySolutions	Kramer_Inyokern_Solar								
CCA	King City CCA	KingCityCCA	Mountain_Pass_El_Dorado_Solar								
CCA	Lancaster Choice Energy	LancasterChoiceEn	Southern_California_Desert_Solar								
Utility	Liberty Utilities	LibertyUtilities	Riverside_East_Palm_Springs_Solar								
CCA	Los Angeles Community Choice	LosAngelCommChoice	Greater_Imperial_Solar								
CCA	Marin Clean Energy	MarinCleanEnergy	Distributed_Solar								
CCA	Monterey Bay Community Power	MontereyBayCommPwr	Baja_California_Solar								
Utility	Pacific Gas and Electric	PacificGasAndElectric	Utah_Solar								
Utility	PacifiCorp	PacifiCorp	Southern_Nevada_Solar								
CCA	Peninsula Clean Energy	PeninsulaCleanEnAuth	Arizona_Solar								
CCA	Pico Rivera Innovative Municipal Energy	PicoRiveraInnovMuniEn	New_Mexico_Solar								
ESP	Pilot Power Group Inc	PilotPowerGroup	Northern_California_Wind								
CCA	Pioneer Community Energy	PioneerCommunityEn	Solano_Wind								
Co-op	Plumas Sierra Rural Elec Coop	PlumasSierraCoop	Central_Valley_North_Los_Banos_Wind								
CCA	Rancho Mirage Energy Authority	RanchoMirageEnAuth	Greater_Carrizo_Wind								
CCA	Redwood Coast Energy	RedwoodCoastEnergy	Tehachapi_Wind								
Utility	San Diego Gas and Electric	SanDiegoGasAndElectric	Kramer_Inyokern_Wind								
CCA	San Jacinto Power	SanJacintoPower	Southern_California_Desert_Wind								
CCA	San Jose City	SanJoseCity	Riverside_East_Palm_Springs_Wind								
ESP	Shell Energy North America	ShellEnergyNorthAm	Greater_Imperial_Wind								
CCA	Silicon Valley Clean Energy	SiliconVlyCleanEnAuth	Distributed_Wind								
CCA	Solana Energy Alliance	SolanaEnergyAlliance	Baja_California_Wind								
CCA	Sonoma Clean Power	SonomaCleanPower	Pacific_Northwest_Wind								
Utility	Southern California Edison	SouthernCalEdison	NW_Ext_Tx_WIND								
Co-op	Surprise Valley Electric Corp	SurpriseValleyElectric	Idaho_Wind								
ESP	The Regents of the University of California	TheRegentsUnivCA	Utah_Wind								
ESP	Tiger Natural Gas Inc	TigerNaturalGas	Wyoming_Wind								
CCA	Valley Clean Energy Alliance	ValleyCleanEnAlliance	Southern_Nevada_Wind								
Co-op	Valley Electric Association	ValleyElectricAssoc	Arizona_Wind								
			New_Mexico_Wind								
			SW_Ext_Tx_Wind								
			InState_Biomass								
			Greater_Imperial_Geothermal								
			Northern_California_Geothermal								
			Pacific_Northwest_Geothermal								
			Southern_Nevada_Geothermal								
			Other_New								

Data Template Instructions	On the "Baseline_Resources" tab, please report by month and year, the energy and system capacity amounts under contract to or owned by the Load Serving Entity (LSE). Report data for all resource types including conventional generation, wind, solar, demand response, storage, etc. that are owned by the LSE, or under contractual commitment to the LSE, in whole or in part. Include both online units with a CAISO Resource ID, as well as projects that are not yet online but have secured a contract and may therefore be identified in the Commission's RPS Contracts Database or an Application filed at the Commission. For situations where the LSE is reporting a current or future contract with unknown existing resource(s), report this information in this workbook, NOT the New Resource Data Template. Existing Feed In Tariff contracts (which do not have a CAISO Resource ID) are also reported in this workbook. Existing shares of CAM system capacity as assigned in CPUC's Resource Adequacy program and projected to future years are reported in this workbook. Report capacity data consistent with existing reporting obligations to the CPUC's Resource Adequacy program. Report data starting in January, 2018 through December 2030. Column heading definitions are below. On the "Baseline_Costs" tab, please report cost projections if applicable to the reporting entity. These are costs associated with the resources in the "Baseline_Resources" tab. Cost information associated with baseline demand-side programs, e.g. consistent with the LSE's portion of the 2017 IEPR mid demand mid-mid AAEE/AAPV case, would also be reported on the "Baseline_Costs" tab. Projected costs from new LSE investments are separately reported in the New Resource Data Template. Report all costs in 2016 dollars, using the IEPR dollar deflator series posted to the IRP Filing Materials and Templates webpage. Explain the composition of each cost category in the text body of the Standard LSE Plan Template. Revenue requirement should be the sum of the other components in this worksheet. Many cells include data validation that requires the LSE to populate cells with only the allowed values shown in the cell's drop down menu. Data entry may be done manually, with copy/paste, or with a script - but only allowed values for that cell must be entered - this is critical to ensuring clean and reconciliable data. Cells must contain only text or numerical data. Do not use the "Insert Comment" feature of Excel to comment on specific cells. Instead please comment on specific cells in the text body of the Standard LSE Plan Template.
Baseline Resources Column Heading	**Instruction and Description**
LSE_Name	Select from the drop-down menu the Load Serving Entity (LSE) name that the resource is under obligation to. This column must not be blank.
Resource_ID	Select from the drop-down menu the CAISO balancing area Resource ID for the resource. If the resource is not assigned a CAISO Resource ID, or represents an unknown group of resources, select "None_assigned". If the resource has a CAISO Resource ID not found in the drop-down menu, then copy/paste the value into the cell to bypass the drop-down menu data validation (an example of this situation would be a resource that was very recently assigned a CAISO Resource ID). When a single contract includes multiple resources, separate into multiple rows, one Resource_ID per row. For example, four rows will be entered for a contract that includes four Resource_IDs. This column must not be blank. For situations where the LSE is reporting a current or future contract with unknown existing resource(s), report this information in this workbook, NOT the New Resource Data Template. Examples include: a new RA contract with an existing unit that comes off its existing contract in a future year, or other contract types that do not specify a source. Existing Feed In Tariff contracts (which do not have a CAISO Resource ID) are also reported in this workbook. In these situations, select "None_assigned".
CPUC_ID	For large IOU RPS-eligible units, report the "CPUC ID" field that is specified in the IOU's monthly reporting to the CPUC's RPS Database. When a single Resource_ID is associated with more than one CPUC_ID at a time, separate into multiple rows, one CPUC_ID per row. For example, three rows will be entered for a single Resource_ID associated with three different CPUC_IDs. For situations where this does not apply, leave blank.
Contract_ID	For all LSEs, enter a Contract_ID, defined as an LSE's unique contract identifier. If the LSE is a large IOU and reporting a project that is within CPUC's RPS Database, then the IOU should report the "IOU Project ID" field that is specified in the IOU's monthly reporting to the CPUC's RPS Database. When a single Resource_ID is associated with more than one Contract_ID at a time, separate into multiple rows, one Contract_ID per row. For example, three rows will be entered for a single Resource_ID associated with three different Contract_IDs. For situations where this does not apply, leave blank.
Owner_Contract_Type	Select from the drop-down menu: LSE_Owned, RA_Only, Energy_Only, RA_and_Energy. This column must not be blank.
Pending_CPUC_Approval	Indicate the contract regulatory approval status: • Select "Y" if the contract is awaiting CPUC approval (applies only to LSEs that must have contracts approved by the CPUC) • Otherwise leave blank
Resource_Name	Enter the common name of the resource. Indicate specific units under contract if applicable (for example if one physical facility had some units contracted to different LSEs). For situations where the specific resource(s) are unknown, enter the contract name and brief description. This column must not be blank.
Resource_Type	If a CAISO Resource ID was identified in the Resource_ID column, select from the drop-down menu: "See_Resource_ID". Otherwise select a resource type from the remaining options. This column must not be blank. Explanation of options: • Existing_CAM_Share (LSE's RA assigned share of CAM resources and projected forward using most recent year-ahead CAM list allocation) • Existing_CAISO_CHP (unknown unit(s) similar to RESOLVE's CAISO_CHP generator type) • Existing_CAISO_CCGT1 (unknown unit(s) similar to RESOLVE's CAISO_CCGT1 generator type) • Existing_CAISO_CCGT2 (unknown unit(s) similar to RESOLVE's CAISO_CCGT2 generator type) • Existing_CAISO_Peaker1 (unknown unit(s) similar to RESOLVE's CAISO_Peaker1 generator type) • Existing_CAISO_Peaker2 (unknown unit(s) similar to RESOLVE's CAISO_Peaker2 generator type) • Existing_CAISO_Biomass (unknown unit(s) similar to RESOLVE's Biomass generator type) • Existing_CAISO_Geothermal (unknown unit(s) similar to RESOLVE's Geothermal generator type) • Existing_CAISO_SmallHydro (unknown unit(s) similar to RESOLVE's Small Hydro generator type) • Existing_CAISO_SolarFixed (unknown unit(s) similar to RESOLVE's Solar Fixed-Tilt generator type) • Existing_CAISO_SolarTracking (unknown unit(s) similar to RESOLVE's Solar Tracking generator type) • Existing_CAISO_Wind (unknown unit(s) similar to RESOLVE's Wind generator type) • Existing_CAISO_Unspecified (with system unspecified power attributes) • Existing_CAISO_LargeHydro (unknown unit(s) of large hydro within CAISO) • Existing_Non-CAISO_CA_LargeHydro (no CAISO Resource ID or unknown unit(s) of large hydro outside CAISO but inside CA) • Existing_OOS_LargeHydro (no CAISO Resource ID or unknown unit(s) of large hydro outside CA)
Nameplate_MW	Report the nameplate capacity (MW) of this Resource_ID. The nameplate capacity is the maximum rated AC output of the unit. If the specific-resource is not known, then leave this blank.
Year	Select a year from the drop-down menu. This column must not be blank.
Month	Select a month from the drop-down menu. This column must not be blank.
Contract_MW	Report the system capacity (MW) under contract by month. This is an actual or estimated Net Qualifying Capacity value. Per Resource Adequacy rules, a resource contracted for flexible capacity or local capacity will also count as system capacity. For energy only contracts, leave blank.
Contract_GWh	Report the expected energy production (GWh) associated with the energy portion of a contract, by month, when applicable. For RA only contracts, leave blank.

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	1	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	2	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	3	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	4	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	5	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	6	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	7	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	8	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	9	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	10	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	11	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	12	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	1	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	2	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	3	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	4	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	5	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	6	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	7	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	8	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	9	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	10	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	11	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	12	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	4	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	5	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	6	25.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	7	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	8	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	9	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	10	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	11	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	12	125.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	1	75.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	2	75.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	3	75.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	4	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	5	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	6	150.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	7	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	8	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	9	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	10	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	11	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2019	12	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	1	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	2	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	3	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	4	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	5	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	6	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	7	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	8	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	9	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	10	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	11	300.00	
Los Angeles Community Choice	LEBECS_2_UNITS			RA_Only		Pastoria Energy Facility	Existing_CAISO_CCGT2		2020	12	300.00	
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	6		4.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	6		6.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	7		8.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	7		10.00

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	8		7.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	8		10.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	9		8.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	9		9.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10		7.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10		10.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11		8.03
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12		8.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	1		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	1		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	2		7.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	2		9.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	3		8.18
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	3		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	4		7.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	4		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	5		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	5		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	6		8.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	6		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	7		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	7		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	8		7.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	8		10.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	9		8.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	9		9.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	10		7.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	10		10.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	11		8.03
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	11		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	12		8.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	12		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2		7.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3		8.18
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4		7.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5		8.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6		7.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9		8.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9		10.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10		7.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10		10.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11		8.43
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11		9.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12		8.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12		10.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3		41.60

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11		38.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2		29.60
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3		32.70
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4		30.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5		34.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6		30.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9		32.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10		31.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11		33.70
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	7		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	8		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	9		38.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10		23.40
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11		24.08
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12		25.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11		24.08
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12		25.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC2	Existing_CAISO_Unspecified		2018	2		71.74
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC1	Existing_CAISO_Unspecified		2018	2		41.83
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC2	Existing_CAISO_Unspecified		2019	1		77.70
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC1	Existing_CAISO_Unspecified		2019	1		51.80
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC2	Existing_CAISO_Unspecified		2020	1		77.95
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company_PCC1	Existing_CAISO_Unspecified		2020	1		51.97
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_OOS_LargeHydro		2018	2		49.82
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_OOS_LargeHydro		2019	1		53.96
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_OOS_LargeHydro		2020	1		54.14
Los Angeles Community Choice	None_assigned			Energy_Only		Exelon Generation Company	Existing_OOS_LargeHydro		2018	1		50.00
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	7	40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	8	43.2	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	9	38.4	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10	66.6	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11	64	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12	65.8	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2	69.60	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4	72.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6	72.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9	72.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11	72.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12	74.40	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	3	39.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	4	27.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	5	27.00	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	6	37.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	7	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	8	32.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	9	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	10	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	11	26.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2018	12	24.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	1	24.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	2	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	3	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	4	30.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	5	27.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	6	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	7	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	8	32.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	9	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	10	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	11	26.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2019	12	24.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	1	24.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	2	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	3	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	4	30.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	5	27.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	6	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	7	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	8	32.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	9	31.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	10	29.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	11	26.00	
Los Angeles Community Choice	None_assigned			RA_Only		Exelon Generation Company	Existing_CAISO_Unspecified		2020	12	24.00	
Los Angeles Community Choice	None_assigned			Energy_Only		HEM Energy Contract 2036523	Existing_CAISO_CCGT1		2018	11		23.40
Los Angeles Community Choice	None_assigned			Energy_Only		HEM Energy Contract 2036524	Existing_CAISO_CCGT1		2018	12		25.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	7		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	8		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	9		38.40
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	10		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	11		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	12		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	7		34.40
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	8		31.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	9		33.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	10		31.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	11		32.10
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2018	12		34.40
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	1		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	2		38.40
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	3		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	4		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	5		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	6		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	7		41.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	8		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	9		38.40
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	10		43.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	11		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	12		40.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	1		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	2		28.80
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	3		32.70
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	4		30.40

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	5		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	6		32.00
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	7		32.80
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	8		31.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	9		33.60
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	10		31.20
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	11		32.10
Los Angeles Community Choice	None_assigned			Energy_Only		Morgan Stanley	Existing_CAISO_Unspecified		2019	12		34.40
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	1		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	2		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	3		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	4		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	5		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	6		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	7		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	8		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	9		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	10		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	11		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2018	12		4.17
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	1		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	2		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	3		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	4		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	5		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	6		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	7		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	8		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	9		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	10		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	11		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2019	12		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	1		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	2		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	3		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	4		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	5		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	6		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	7		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	8		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	9		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	10		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	11		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		Wanapum, Priest Rapids, Rock Island, Rocky Reach, Boundary, and Lucky Peak Dam	Existing_OOS_LargeHydro		2020	12		8.33
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	7		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	8		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	9		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	10		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	11		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		PCC2 Wind - Dokie Wind, Quality Wind, Cape Scott Wind, Meikle Wind, or White Creek I Wind Proj	See_Resource_ID		2018	12		12.50
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	7		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	8		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	9		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	10		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	11		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		Powerex	Existing_CAISO_LargeHydro		2018	12		25.00
Los Angeles Community Choice	None_assigned			Energy_Only		SDG&E	Existing_CAISO_Unspecified		2018	8		50.00
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	1		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	2		38.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	3		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	4		41.6

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	5		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	6		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	7		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	8		43.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	9		38.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	10		43.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	11		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	12		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	1		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	2		28.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	3		32.7
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	4		30.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	5		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	6		32
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	7		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	8		31.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	9		33.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	10		31.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	11		32.1
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	12		34.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	1		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	2		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	3		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	4		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	5		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	6		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	7		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	8		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	9		40
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	10		43.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	11		38.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	12		41.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	1		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	2		29.6
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	3		32.7
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	4		30.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	5		34.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	6		30.4
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	7		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	8		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	9		32
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	10		31.2
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	11		33.7
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	12		32.8
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2018	1		165
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2019	1		200
Los Angeles Community Choice	None_assigned			Energy_Only		Shell	Existing_CAISO_Unspecified		2020	1		100
Los Angeles Community Choice	ENCINA_7_EA3			RA_Only		ENCINA UNIT 3	Existing_CAISO_CCGT2	65.00	2018	8	53.00	
Los Angeles Community Choice	ENCINA_7_EA3			RA_Only		ENCINA UNIT 3	Existing_CAISO_CCGT2	65.00	2018	9	46.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	1	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	2	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	3	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	4	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	5	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	6	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	7	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	8	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	9	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	10	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	11	7.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2019	12	7.00	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	1	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	2	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	3	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	4	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	5	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	6	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	7	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	8	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	9	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	10	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	11	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2020	12	42.00	
Los Angeles Community Choice	HINSON_6_LBECH2			RA_Only		Hinson 6 LBECH 2	Existing_CAISO_CCGT1	65.00	2018	10	15.00	
Los Angeles Community Choice	HINSON_6_LBECH2			RA_Only		Hinson 6 LBECH 2	Existing_CAISO_CCGT1	65.00	2018	11	0.00	
Los Angeles Community Choice	HINSON_6_LBECH2			RA_Only		Hinson 6 LBECH 2	Existing_CAISO_CCGT1	65.00	2018	12	15.00	
Los Angeles Community Choice	HINSON_6_LBECH3			RA_Only		Hinson 6 LBECH 3	Existing_CAISO_CCGT1	65.00	2018	10	60.00	
Los Angeles Community Choice	HINSON_6_LBECH3			RA_Only		Hinson 6 LBECH 3	Existing_CAISO_CCGT1	65.00	2018	11	60.00	
Los Angeles Community Choice	HINSON_6_LBECH3			RA_Only		Hinson 6 LBECH 3	Existing_CAISO_CCGT1	65.00	2018	12	60.00	
Los Angeles Community Choice	HINSON_6_LBECH4			RA_Only		Hinson 6 LBECH 4	Existing_CAISO_CCGT1	65.00	2018	10	0.00	
Los Angeles Community Choice	HINSON_6_LBECH4			RA_Only		Hinson 6 LBECH 4	Existing_CAISO_CCGT1	65.00	2018	11	15.00	
Los Angeles Community Choice	HINSON_6_LBECH4			RA_Only		Hinson 6 LBECH 4	Existing_CAISO_CCGT1	65.00	2018	12	24.00	
Los Angeles Community Choice	FAIRHV_6_UNIT			RA_Only		Fairhaven Power Co.	Existing_CAISO_Biomass		2018	8	13.00	
Los Angeles Community Choice	FAIRHV_6_UNIT			RA_Only		Fairhaven Power Co.	Existing_CAISO_Biomass		2018	9	10.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	1	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	2	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	3	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	4	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	5	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	6	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	7	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	8	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	9	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	10	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	11	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 2			RA_Only		Indigo Peaker Unit 2	Existing_CAISO_Peaker1	42.00	2020	12	42.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	1	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	2	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	3	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	4	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	5	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	6	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	7	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	8	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	9	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	10	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	11	30.00	
Los Angeles Community Choice	INDIGO_1_UNIT 3			RA_Only		Indigo Peaker Unit 3	Existing_CAISO_Peaker1	42.00	2019	12	30.00	
Los Angeles Community Choice	None_assigned			Energy_Only		TEMUS Energy Contract 2036611	Existing_CAISO_CCGT1		2018	7		17.20
Los Angeles Community Choice	None_assigned			Energy_Only		TEMUS Energy Contract 2036612	Existing_CAISO_CCGT1		2018	8		37.20
Los Angeles Community Choice	None_assigned			Energy_Only		TEMUS Energy Contract 2036613	Existing_CAISO_CCGT1		2018	9		36.00
Los Angeles Community Choice	NEENCH_6_SOLAR			RA_Only		TransAlta Energy Marketing	Existing_CAISO_SolarFixed		2018	8	19.00	
Los Angeles Community Choice	None_assigned			RA_Only		TransAlta Energy Marketing	Existing_CAISO_Unspecified		2018	9	19.00	
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	1	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	2	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	3	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	4	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	5	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	6	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	7	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	8	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	9	22.40	6

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	10	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	11	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2019	12	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	1	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	2	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	3	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	4	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	5	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	6	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	7	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	8	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	9	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	10	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	11	22.40	6
Los Angeles Community Choice	MTWIND_1_UNIT 3	60430A		Energy_Only		Mountain View III Project in Riverside County CA_PCC1	Existing_CAISO_Wind		2020	12	22.40	6
Los Angeles Community Choice	None_assigned			RA_and_Energy		Direct Energy	Existing_CAISO_Unspecified		2018	8	75.00	23.40
Los Angeles Community Choice	None_assigned			RA_and_Energy		Direct Energy	Existing_CAISO_Unspecified		2018	9	75.00	25.20
Los Angeles Community Choice	FAIRHV_6_UNIT			RA_Only		Fairhaven Power Co.	Existing_CAISO_Biomass		2018	9	10.00	
Los Angeles Community Choice	ELSEGN_2_UN1011			RA_Only		El Segundo Energy Center	Existing_CAISO_CCGT2	263.00	2018	8	18.00	
Los Angeles Community Choice	ELSEGN_2_UN1011			RA_Only		El Segundo Energy Center	Existing_CAISO_CCGT2	263.00	2018	9	23.00	
Los Angeles Community Choice	REDOND_7_UNIT 7/8			RA_Only		Redondo Generating Station	Existing_CAISO_CCGT2	1001.86	2018	8	18.00	
Los Angeles Community Choice	REDOND_7_UNIT 7/9			RA_Only		Redondo Generating Station	Existing_CAISO_CCGT4	1001.86	2018	9	23.00	
Los Angeles Community Choice	REDOND_7_UNIT 7/8			RA_Only		Redondo Generating Station	Existing_CAISO_CCGT2	1001.86	2018	8	150.00	
Los Angeles Community Choice	REDOND_7_UNIT 7/9			RA_Only		Redondo Generating Station	Existing_CAISO_CCGT4	1001.86	2018	9	133.00	
Los Angeles Community Choice	SYCAMR_2_UNIT 2			RA_Only		Sycamore Cogeneration Unit 2	Existing_CAISO_CHP	85.00	2018	7	19.00	
Los Angeles Community Choice	SBERDO_2_PSP4			RA_Only		Mountainview Generating Station Unit 4	Existing_CAISO_CCGT2	525.00	2018	7	31.00	
Los Angeles Community Choice	SBERDO_2_PSP4			RA_Only		Mountainview Generating Station Unit 4	Existing_CAISO_CCGT2	525.00	2018	7	26.00	
Los Angeles Community Choice	BUCKBL_2_PL1X3			RA_Only		Blythe Energy Inc.	Existing_CAISO_CCGT2	490.00	2018	7	173.00	
Los Angeles Community Choice	INLDEM_5_UNIT 2			RA_Only		Inland Empire Energy Center	Existing_CAISO_CCGT2		2018	9	10.00	
Los Angeles Community Choice	ENCINA_7_EA2			RA_Only		Encina Power Station	Existing_CAISO_CCGT2	104.00	2018	7	8.00	
Los Angeles Community Choice	HIDSRT_2_UNITS			RA_Only		High Desert Power Project Aggregate	Existing_CAISO_CCGT2	830.00	2018	8	11.00	
Los Angeles Community Choice	HIDSRT_2_UNITS			RA_Only		High Desert Power Project Aggregate	Existing_CAISO_CCGT2		2018	9	27.00	
Los Angeles Community Choice	HIDSRT_2_UNITS			RA_Only		High Desert Power Project Aggregate	Existing_CAISO_CCGT2		2018	10	0.00	
Los Angeles Community Choice	HIDSRT_2_UNITS			RA_Only		High Desert Power Project Aggregate	Existing_CAISO_CCGT2		2018	11	190.00	
Los Angeles Community Choice	HIDSRT_2_UNITS			RA_Only		High Desert Power Project Aggregate	Existing_CAISO_CCGT2		2018	12	0.00	
Los Angeles Community Choice	HINSON_6_LBECH2			RA_Only		Hinson 6 LBECH2	Existing_CAISO_CCGT1		2018	2	37.00	
Los Angeles Community Choice	None_assigned			RA_Only		SEL1_MALIN500_I_F_IMS001	Existing_CAISO_Unspecified		2018	8	50.00	
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2019	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2020	12		25.33

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2021	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2022	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2023	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2024	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2025	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	1		21.20

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2026	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2027	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2028	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2029	12		25.33
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	1		21.20
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	2		31.36
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	3		50.23
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	4		50.40
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	5		18.78
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	6		2.07
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	7		3.56
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	8		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	9		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	10		0.00
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	11		1.65
Los Angeles Community Choice	None_assigned		New Large Hydro Co	Energy_Only		Various Existing Large Hydro	Existing_OOS_LargeHydro		2030	12		25.33
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	1	394.46	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	2	395.56	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	3	391.78	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	4	390.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	5	391.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	6	397.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	7	395.25	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	8	394.00	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	9	393.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	10	382.59	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	11	392.91	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2018	12	395.68	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	1	394.46	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	2	395.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	3	391.78	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	4	390.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	5	391.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	6	397.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	7	395.25	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	8	394.00	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	9	393.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	10	382.59	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	11	392.91	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2019	12	395.68	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	1	394.46	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	2	395.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	3	391.78	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	4	390.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	5	391.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	6	397.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	7	395.25	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	8	394.00	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	9	393.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	10	382.59	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	11	392.91	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2020	12	395.68	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	1	389.73	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	2	390.93	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	3	387.44	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	4	386.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	5	387.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	6	394.17	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	7	390.34	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	8	389.03	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	9	388.37	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	10	377.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	11	388.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2021	12	390.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	1	386.24	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	2	387.21	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	3	383.93	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	4	383.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	5	384.01	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	6	390.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	7	386.37	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	8	385.11	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	9	384.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	10	374.25	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	11	384.59	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2022	12	387.25	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	1	338.13	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	2	338.54	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	3	338.62	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	4	337.84	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	5	340.62	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	6	341.61	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	7	337.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	8	336.96	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	9	336.98	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	10	336.07	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	11	336.33	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2023	12	337.99	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	1	45.62	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	2	46.03	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	3	46.11	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	4	45.33	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	5	48.11	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	6	49.10	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	7	45.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	8	44.45	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	9	44.47	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	10	43.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	11	43.82	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2024	12	45.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	1	45.62	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	2	46.03	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	3	46.11	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	4	45.33	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	5	48.11	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	6	49.10	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	7	45.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	8	44.45	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	9	44.47	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	10	43.56	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	11	43.82	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2025	12	45.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	1	41.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	2	41.63	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	3	41.88	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	4	41.18	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	5	44.62	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	6	44.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	7	40.72	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	8	40.09	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	9	40.05	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	10	39.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	11	39.37	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2026	12	41.21	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	1	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	2	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	3	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	4	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	5	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	6	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	7	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	8	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	9	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	10	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	11	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2027	12	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	1	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	2	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	3	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	4	31.20	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	5	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	6	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	7	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	8	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	9	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	10	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	11	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2028	12	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	1	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	2	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	3	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	4	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	5	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	6	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	7	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	8	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	9	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	10	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	11	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2029	12	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	1	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	2	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	3	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	4	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	5	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	6	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	7	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	8	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	9	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	10	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	11	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 1	RA_Only		Existing CAM Share_LA Basin	Existing_CAM_Share		2030	12	31.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	1	80.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	2	80.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	3	81.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	4	80.76	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	5	80.12	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	6	81.71	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	7	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	8	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	9	81.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	10	80.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	11	80.87	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2018	12	81.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	1	80.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	2	80.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	3	81.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	4	80.76	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	5	80.12	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	6	81.71	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	7	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	8	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	9	81.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	10	80.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	11	80.87	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2019	12	81.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	1	80.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	2	80.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	3	81.38	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	4	80.76	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	5	80.12	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	6	81.71	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	7	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	8	81.69	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	9	81.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	10	80.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	11	80.87	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2020	12	81.48	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	1	23.60	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	2	23.55	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	3	24.34	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	4	23.72	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	5	23.08	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	6	24.67	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	7	24.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	8	24.65	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	9	24.63	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	10	23.27	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	11	23.83	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2021	12	24.44	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	1	18.12	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	2	18.22	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	3	18.17	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	4	18.30	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	5	18.27	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	6	18.44	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	7	18.45	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	8	18.42	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	9	18.40	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	10	18.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	11	18.19	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2022	12	18.21	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	1	9.90	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	2	10.00	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	3	9.95	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	4	10.08	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	5	10.05	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	6	10.22	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	7	10.23	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	8	10.20	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	9	10.18	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	10	9.98	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	11	9.97	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2023	12	9.99	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2024	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	6	7.92	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2025	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2026	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2027	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2028	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	7	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2029	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	1	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	2	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	3	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	4	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	5	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	6	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	7	7.92	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	8	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	9	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	10	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	11	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 2	RA_Only		Existing CAM Share_BC_Ventura	Existing_CAM_Share		2030	12	7.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	1	163.26	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	2	162.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	3	161.27	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	4	161.05	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	5	162.86	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	6	162.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	7	162.43	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	8	162.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	9	162.63	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	10	162.70	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	11	162.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2018	12	163.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	1	163.26	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	2	162.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	3	161.27	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	4	161.05	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	5	162.86	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	6	162.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	7	162.43	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	8	162.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	9	162.63	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	10	162.70	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	11	162.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2019	12	163.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	1	163.26	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	2	162.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	3	161.27	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	4	161.05	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	5	162.86	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	6	162.57	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	7	162.43	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	8	162.14	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	9	162.63	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	10	162.70	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	11	162.31	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2020	12	163.39	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	1	9.76	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	2	9.30	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	3	7.77	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	4	7.55	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	5	9.35	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	6	9.06	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	7	8.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	8	8.64	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	9	9.12	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	10	9.19	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	11	8.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2021	12	9.88	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	1	9.76	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	2	9.30	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	3	7.77	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	4	7.55	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	5	9.35	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	6	9.06	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	7	8.92	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	8	8.64	

LSE_Name	Resource_ID	CPUC_ID	Contract_ID	Owner_Contract_Type	Pending_CPUC_Approval	Resource_Name	Resource_Type	Nameplate_MW	Year	Month	Contract_MW	Contract_GWh
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	9	9.12	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	10	9.19	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	11	8.80	
Los Angeles Community Choice	None_assigned		CAM Allocation 3	RA_Only		Existing CAM Share_CAISO_System	Existing_CAM_Share		2022	12	9.88	

Cost Category	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Distribution													
Transmission													
Generation													
Demand Side Programs													
Other													
Baseline Revenue Requirement													

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID
ESP	3 Phases Renewables Inc	3PhasesRenewable	None_assigned
ESP	Agera Energy LLC	AgeraEnergy	7STDRD_1_SOLAR1
ESP	American Powernet Management	AmericanPowerNetM	ACACIA_6_SOLAR
Co-op	Anza Electric Cooperative	AnzaElecCoop	ADERA_1_SOLAR1
CCA	Apple Valley Choice Energy	AppleVlyChoiceEn	ADLIN_1_UNITS
Utility	Bear Valley Electric Service	BearValley	ADMEST_6_SOLAR
ESP	Calpine Energy Solutions LLC	CalpineEnergySoln	ADOBEE_1_SOLAR
ESP	Calpine Poweramerica-CA LLC	CalpinePowerAmCA	AGRICO_6_PL3N5
CCA	Clean Power San Francisco	CleanPowerSF	AGRICO_7_UNIT
ESP	Commercial Energy of California	CommercialEnergyCA	AGUCAL_5_SOLAR1
ESP	Constellation New Energy Inc	ConstellationNewEn	ALAMIT_7_UNIT 1
CCA	Desert Community Energy	DesertCommunityEn	ALAMIT_7_UNIT 2
ESP	Direct Energy Business	DirectEnergyBusiness	ALAMIT_7_UNIT 3
CCA	East Bay Community Energy	EastBayCommunityEn	ALAMIT_7_UNIT 4
ESP	EDF Industrial Power Services CA LLC	EDFIndustrialPowerSrv	ALAMIT_7_UNIT 5
ESP	Just Energy Solutions Inc	JustEnergySolutions	ALAMIT_7_UNIT 6
CCA	King City CCA	KingCityCCA	ALAMO_6_UNIT
CCA	Lancaster Choice Energy	LancasterChoiceEn	ALLGNY_6_HYDRO1
Utility	Liberty Utilities	LibertyUtilities	ALMEGT_1_UNIT 1
CCA	Los Angeles Community Choice	LosAngelCommChoice	ALMEGT_1_UNIT 2
CCA	Marin Clean Energy	MarinCleanEnergy	ALPSLR_1_NTHSLR
CCA	Monterey Bay Community Power	MontereyBayCommPwr	ALPSLR_1_SPSSLR
Utility	Pacific Gas and Electric	PacificGasAndElectric	ALT6DN_2_WIND7
Utility	PacifiCorp	PacifiCorp	ALT6DS_2_WIND9
CCA	Peninsula Clean Energy	PeninsulaCleanEnAuth	ALTA3A_2_CPCE4
CCA	Pico Rivera Innovative Municipal Energy	PicoRiveraInnovMuniEn	ALTA3A_2_CPCE5
ESP	Pilot Power Group Inc	PilotPowerGroup	ALTA3A_2_CPCE8
CCA	Pioneer Community Energy	PioneerCommunityEn	ALTA4A_2_CPCW1
Co-op	Plumas Sierra Rural Elec Coop	PlumasSierraCoop	ALTA4B_2_CPCW2
CCA	Rancho Mirage Energy Authority	RanchoMirageEnAuth	ALTA4B_2_CPCW3
CCA	Redwood Coast Energy	RedwoodCoastEnergy	ALTA4B_2_CPCW6
Utility	San Diego Gas and Electric	SanDiegoGasAndElectric	ALTA6B_2_WIND11
CCA	San Jacinto Power	SanJacintoPower	ALTA6E_2_WIND10
CCA	San Jose City	SanJoseCity	ALTWD_1_QF
ESP	Shell Energy North America	ShellEnergyNorthAm	ANAHM_2_CANYN1
CCA	Silicon Valley Clean Energy	SiliconVlyCleanEnAuth	ANAHM_2_CANYN2
CCA	Solana Energy Alliance	SolanaEnergyAlliance	ANAHM_2_CANYN3
CCA	Sonoma Clean Power	SonomaCleanPower	ANAHM_2_CANYN4
Utility	Southern California Edison	SouthernCalEdison	ANAHM_7_CT
Co-op	Surprise Valley Electric Corp	SurpriseValleyElectric	ANTLPE_2_QF
ESP	The Regents of the University of California	TheRegentsUnivCA	APLHIL_1_SLABCK
ESP	Tiger Natural Gas Inc	TigerNaturalGas	ARBWD_6_QF
CCA	Valley Clean Energy Alliance	ValleyCleanEnAlliance	ARCOGN_2_UNITS
Co-op	Valley Electric Association	ValleyElectricAssoc	ARVINN_6_ORION1
			ARVINN_6_ORION2
			ASTORA_2_SOLAR1

Owner_Contract_Ty	Pending_C
LSE_Owned	Y
RA_Only	
Energy_Only	
RA_and_Energy	

Resource_Type
See_Resource_ID
Existing_CAM_Share
Existing_CAISO_CHP
Existing_CAISO_CCGT1
Existing_CAISO_CCGT2
Existing_CAISO_Peaker1
Existing_CAISO_Peaker2
Existing_CAISO_Biomass
Existing_CAISO_Geothermal
Existing_CAISO_SmallHydro
Existing_CAISO_SolarFixed
Existing_CAISO_SolarTracking
Existing_CAISO_Wind
Existing_CAISO_Unspecified
Existing_CAISO_LargeHydro
Existing_Non-CAISO_CA_LargeHydro
Existing_OOS_LargeHydro

Year	Month
2018	1
2019	2
2020	3
2021	4
2022	5
2023	6
2024	7
2025	8
2026	9
2027	10
2028	11
2029	12
2030	

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			ASTORA_2_SOLAR2					
			ATWEL2_1_SOLAR1					
			ATWELL_1_SOLAR					
			AVENAL_6_AVPARK					
			AVENAL_6_AVSLR1					
			AVENAL_6_AVSLR2					
			AVENAL_6_SANDDG					
			AVENAL_6_SUNCTY					
			AVSOLR_2_SOLAR					
			BALCHS_7_UNIT 1					
			BALCHS_7_UNIT 2					
			BALCHS_7_UNIT 3					
			BANGOR_6_HYDRO					
			BANKPP_2_NSPIN					
			BARRE_2_QF					
			BARRE_6_PEAKER					
			BASICE_2_UNITS					
			BDGRCK_1_UNITS					
			BEARDS_7_UNIT 1					
			BEARMT_1_UNIT					
			BELDEN_7_UNIT 1					
			BIGCRK_2_EXESWD					
			BIGCRK_7_DAM7					
			BIGCRK_7_MAMRES					
			BIGSKY_2_BSKSR6					
			BIGSKY_2_BSKSR7					
			BIGSKY_2_BSKSR8					
			BIGSKY_2_SOLAR1					
			BIGSKY_2_SOLAR2					
			BIGSKY_2_SOLAR3					
			BIGSKY_2_SOLAR4					
			BIGSKY_2_SOLAR5					
			BIGSKY_2_SOLAR6					
			BIGSKY_2_SOLAR7					
			BIOMAS_1_UNIT 1					
			BISHOP_1_ALAMO					
			BISHOP_1_UNITS					
			BKRFLD_2_SOLAR1					
			BLACK_7_UNIT 1					
			BLACK_7_UNIT 2					
			BLAST_1_WIND					
			BLCKBT_2_STONEY					
			BLCKWL_6_SOLAR1					
			BLKCRK_2_SOLAR1					
			BLM_2_UNITS					
			BLYTHE_1_SOLAR1					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			BLYTHE_1_SOLAR2					
			BNNIEN_7_ALTAPH					
			BOGUE_1_UNITA1					
			BORDER_6_UNITA1					
			BOWMN_6_HYDRO					
			BOWMN_6_UNIT					
			BRDGVL_7_BAKER					
			BRDSLD_2_HIWIND					
			BRDSLD_2_MTZUM2					
			BRDSLD_2_MTZUMA					
			BRDSLD_2_SHILO1					
			BRDSLD_2_SHILO2					
			BRDSLD_2_SHLO3A					
			BRDSLD_2_SHLO3B					
			BRDWAY_7_UNIT 3					
			BREGGO_6_DEGRSL					
			BREGGO_6_SOLAR					
			BRODIE_2_WIND					
			BUCKBL_2_PL1X3					
			BUCKCK_2_HYDRO					
			BUCKCK_7_OAKFLT					
			BUCKCK_7_PL1X2					
			BUCKWD_1_NPALM1					
			BUCKWD_1_QF					
			BUCKWD_7_WINTCV					
			BURNYF_2_UNIT 1					
			BUTTVL_7_UNIT 1					
			CABZON_1_WINDA1					
			CALFTN_2_SOLAR					
			CALGEN_1_UNITS					
			CALPIN_1_AGNEW					
			CAMCHE_1_PL1X3					
			CAMLOT_2_SOLAR1					
			CAMLOT_2_SOLAR2					
			CAMPFW_7_FARWST					
			CANTUA_1_SOLAR					
			CAPMAD_1_UNIT 1					
			CAPWD_1_QF					
			CARBOU_7_PL2X3					
			CARBOU_7_PL4X5					
			CARBOU_7_UNIT 1					
			CATLNA_2_SOLAR					
			CATLNA_2_SOLAR2					
			CAVLSR_2_BSOLAR					
			CAVLSR_2_RSOLAR					
			CAYTNO_2_VASCO					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			CBRLLO_6_PLSTP1					
			CCRITA_7_RPPCHF					
			CDWR07_2_GEN					
			CEDRCK_6_UNIT					
			CEDUCR_2_SOLAR1					
			CEDUCR_2_SOLAR2					
			CEDUCR_2_SOLAR3					
			CEDUCR_2_SOLAR4					
			CENTER_2_QF					
			CENTER_2_RHONDO					
			CENTER_2_SOLAR1					
			CENTER_6_PEAKER					
			CENTRY_6_PL1X4					
			CHALK_1_UNIT					
			CHEVCD_6_UNIT					
			CHEVCO_6_UNIT 1					
			CHEVCO_6_UNIT 2					
			CHEVCY_1_UNIT					
			CHEVMN_2_UNITS					
			CHICPK_7_UNIT 1					
			CHILLS_1_SYCENG					
			CHILLS_7_UNITA1					
			CHINO_2_APEBT1					
			CHINO_2_JURUPA					
			CHINO_2_QF					
			CHINO_2_SASOLR					
			CHINO_2_SOLAR					
			CHINO_2_SOLAR2					
			CHINO_6_CIMGEN					
			CHINO_6_SMPPAP					
			CHINO_7_MILIKN					
			CHWCHL_1_BIOMAS					
			CHWCHL_1_UNIT					
			CLOVDL_1_SOLAR					
			CLOVER_2_UNIT					
			CLRKRD_6_LIMESD					
			CLRMTK_1_QF					
			CNTNLA_2_SOLAR1					
			CNTNLA_2_SOLAR2					
			CNTRVL_6_UNIT					
			COCOPP_2_CTG1					
			COCOPP_2_CTG2					
			COCOPP_2_CTG3					
			COCOPP_2_CTG4					
			COCOSB_6_SOLAR					
			COGNAT_1_UNIT					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			COLEMN_2_UNIT					
			COLGA1_6_SHELLW					
			COLGAT_7_UNIT 1					
			COLGAT_7_UNIT 2					
			COLTON_6_AGUAM1					
			COLUSA_2_PL1X3					
			COLVIL_7_PL1X2					
			CONTAN_1_UNIT					
			CONTRL_1_CASAD1					
			CONTRL_1_CASAD3					
			CONTRL_1_LUNDY					
			CONTRL_1_OXBOW					
			CONTRL_1_POOLE					
			CONTRL_1_QF					
			CONTRL_1_RUSHCK					
			COPMT2_2_SOLAR2					
			COPMT4_2_SOLAR4					
			COPMTN_2_CM10					
			COPMTN_2_SOLAR1					
			CORCAN_1_SOLAR1					
			CORCAN_1_SOLAR2					
			CORONS_2_SOLAR					
			CORONS_6_CLRWTR					
			CORRAL_6_SJOAQN					
			COTTLE_2_FRNKNH					
			COVERD_2_HCKHY1					
			COVERD_2_MCKHY1					
			COVERD_2_QFUNTS					
			COVERD_2_RCKHY1					
			COWCRK_2_UNIT					
			CPSTNO_7_PRMADS					
			CPVERD_2_SOLAR					
			CRELMN_6_RAMON1					
			CRELMN_6_RAMON2					
			CRELMN_6_RAMSR3					
			CRESSY_1_PARKER					
			CRESTA_7_PL1X2					
			CRNEVL_6_CRNVA					
			CRNEVL_6_SJQN 2					
			CRNEVL_6_SJQN 3					
			CROKET_7_UNIT					
			CRSTWD_6_KUMYAY					
			CRWCKS_1_SOLAR1					
			CSCCOG_1_UNIT 1					
			CSCGNR_1_UNIT 1					
			CSCGNR_1_UNIT 2					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			CSLR4S_2_SOLAR					
			CSTOGA_6_LNDFIL					
			CSTRVL_7_PL1X2					
			CSTRVL_7_QFUNTS					
			CTNWDP_1_QF					
			CUMBIA_1_SOLAR					
			CURTIS_1_CANLCK					
			CURTIS_1_FARFLD					
			CUYAMS_6_CUYSR1					
			DAVIS_1_SOLAR1					
			DAVIS_1_SOLAR2					
			DAVIS_7_MNMETH					
			DEADCK_1_UNIT					
			DEERCR_6_UNIT 1					
			DELAMO_2_SOLAR1					
			DELAMO_2_SOLAR2					
			DELAMO_2_SOLAR3					
			DELAMO_2_SOLAR4					
			DELAMO_2_SOLAR5					
			DELAMO_2_SOLAR6					
			DELAMO_2_SOLRC1					
			DELAMO_2_SOLRD					
			DELSUR_6_CREST					
			DELSUR_6_DRYFRB					
			DELSUR_6_SOLAR1					
			DELTA_2_PL1X4					
			DEVERS_1_QF					
			DEVERS_1_SEPV05					
			DEVERS_1_SOLAR					
			DEVERS_1_SOLAR1					
			DEVERS_1_SOLAR2					
			DEVERS_2_DHSPG2					
			DEXZEL_1_UNIT					
			DIABLO_7_UNIT 1					
			DIABLO_7_UNIT 2					
			DINUBA_6_UNIT					
			DISCOV_1_CHEVRN					
			DIVSON_6_NSQF					
			DIXNLD_1_LNDFL					
			DMDVLY_1_UNITS					
			DONNLS_7_UNIT					
			DOSMGO_2_NSPIN					
			DOUBLC_1_UNITS					
			DRACKR_2_SOLAR1					
			DRACKR_2_SOLAR2					
			DREWS_6_PL1X4					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			DRUM_7_PL1X2					
			DRUM_7_PL3X4					
			DRUM_7_UNIT 5					
			DSABLA_7_UNIT					
			DSRTSL_2_SOLAR1					
			DSRTSN_2_SOLAR1					
			DSRTSN_2_SOLAR2					
			DTCHWD_2_BT3WND					
			DTCHWD_2_BT4WND					
			DUANE_1_PL1X3					
			DUTCH1_7_UNIT 1					
			DUTCH2_7_UNIT 1					
			DVLCYN_1_UNITS					
			EASTWD_7_UNIT					
			EDMONS_2_NSPIN					
			EEKTMN_6_SOLAR1					
			ELCAJN_6_EB1BT1					
			ELCAJN_6_LM6K					
			ELCAJN_6_UNITA1					
			ELCAJN_7_GT1					
			ELCAP_1_SOLAR					
			ELDORO_7_UNIT 1					
			ELDORO_7_UNIT 2					
			ELECTR_7_PL1X3					
			ELKCRK_6_STONYG					
			ELKHIL_2_PL1X3					
			ELLIS_2_QF					
			ELNIDP_6_BIOMAS					
			ELSEGN_2_UN1011					
			ELSEGN_2_UN2021					
			ENCINA_7_EA1					
			ENCINA_7_EA2					
			ENCINA_7_EA3					
			ENCINA_7_EA4					
			ENCINA_7_EA5					
			ENCINA_7_GT1					
			ENERSJ_2_WIND					
			ENWIND_2_WIND1					
			ENWIND_2_WIND2					
			ESCNDO_6_EB1BT1					
			ESCNDO_6_EB2BT2					
			ESCNDO_6_EB3BT3					
			ESCNDO_6_PL1X2					
			ESCNDO_6_UNITB1					
			ESCO_6_GLMQF					
			ESQUON_6_LNDFIL					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			ETIWND_2_CHMPNE					
			ETIWND_2_FONTNA					
			ETIWND_2_RTS010					
			ETIWND_2_RTS015					
			ETIWND_2_RTS017					
			ETIWND_2_RTS018					
			ETIWND_2_RTS023					
			ETIWND_2_RTS026					
			ETIWND_2_RTS027					
			ETIWND_2_SOLAR1					
			ETIWND_2_SOLAR2					
			ETIWND_2_SOLAR5					
			ETIWND_2_UNIT1					
			ETIWND_6_GRPLND					
			ETIWND_6_MWDETI					
			ETIWND_7_MIDVLY					
			ETIWND_7_UNIT 3					
			ETIWND_7_UNIT 4					
			EXCHEC_7_UNIT 1					
			EXCLSG_1_SOLAR					
			FAIRHV_6_UNIT					
			FELLOW_7_QFUNTS					
			FLOWD2_2_FPLWND					
			FLOWD2_2_UNIT 1					
			FLOWD_2_WIND1					
			FMEADO_6_HELLHL					
			FMEADO_7_UNIT					
			FORBST_7_UNIT 1					
			FORKBU_6_UNIT					
			FRESHW_1_SOLAR1					
			FRIANT_6_UNITS					
			FRITO_1_LAY					
			FROGTN_1_UTICAA					
			FROGTN_7_UTICA					
			FTSWRD_6_TRFORK					
			FTSWRD_7_QFUNTS					
			FULTON_1_QF					
			GALE_1_SR3SR3					
			GARLND_2_GASLR					
			GARLND_2_GASLRA					
			GARNET_1_SOLAR					
			GARNET_1_SOLAR2					
			GARNET_1_UNITS					
			GARNET_1_WIND					
			GARNET_1_WINDS					
			GARNET_1_WT3WND					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			GARNET_2_HYDRO					
			GARNET_2_WIND1					
			GARNET_2_WIND2					
			GARNET_2_WIND3					
			GARNET_2_WIND4					
			GARNET_2_WIND5					
			GASKW1_2_GW1SR1					
			GATES_2_SOLAR					
			GATES_2_WSOLAR					
			GATWAY_2_PL1X3					
			GENESI_2_STG					
			GEYS11_7_UNIT11					
			GEYS12_7_UNIT12					
			GEYS13_7_UNIT13					
			GEYS14_7_UNIT14					
			GEYS16_7_UNIT16					
			GEYS17_2_BOTRCK					
			GEYS17_7_UNIT17					
			GEYS18_7_UNIT18					
			GEYS20_7_UNIT20					
			GIFENS_6_BUGSL1					
			GIFFEN_6_SOLAR					
			GILROY_1_UNIT					
			GILRPP_1_PL1X2					
			GILRPP_1_PL3X4					
			GLDFGR_6_SOLAR1					
			GLDFGR_6_SOLAR2					
			GLDTWN_6_COLUM3					
			GLDTWN_6_SOLAR					
			GLNARM_2_UNIT 5					
			GLNARM_7_UNIT 1					
			GLNARM_7_UNIT 2					
			GLNARM_7_UNIT 3					
			GLNARM_7_UNIT 4					
			GLOW_6_SOLAR					
			GOLDHL_1_QF					
			GOLETA_2_QF					
			GOLETA_6_ELLWOD					
			GOLETA_6_EXGEN					
			GOLETA_6_GAVOTA					
			GOLETA_6_TAJIGS					
			GONZLS_6_UNIT					
			GOOSLK_1_SOLAR1					
			GRIDLY_6_SOLAR					
			GRIZLY_1_UNIT 1					
			GRNLF1_1_UNITS					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			GRNLF2_1_UNIT					
			GRNVLY_7_SCLAND					
			GRSCRK_6_BGCKWW					
			GRZZLY_1_BERKLY					
			GUERNS_6_SOLAR					
			GWFPWR_1_UNITS					
			GYS5X6_7_UNITS					
			GYS7X8_7_UNITS					
			GYSRVL_7_WSPRNG					
			HAASPH_7_PL1X2					
			HALSEY_6_UNIT					
			HARBGN_7_UNITS					
			HATCR1_7_UNIT					
			HATCR2_7_UNIT					
			HATLOS_6_BWDHY1					
			HATLOS_6_LSCRK					
			HATLOS_6_QFUNTS					
			HATRDG_2_WIND					
			HAYPRS_6_QFUNTS					
			HELMPG_7_UNIT 1					
			HELMPG_7_UNIT 2					
			HELMPG_7_UNIT 3					
			HENRTA_6_SOLAR1					
			HENRTA_6_SOLAR2					
			HENRTA_6_UNITA1					
			HENRTA_6_UNITA2					
			HENRTS_1_SOLAR					
			HIDSRT_2_UNITS					
			HIGGNS_1_COMBIE					
			HIGGNS_7_QFUNTS					
			HILAND_7_YOLOWD					
			HINSON_6_CARBGN					
			HINSON_6_LBECH1					
			HINSON_6_LBECH2					
			HINSON_6_LBECH3					
			HINSON_6_LBECH4					
			HINSON_6_SERRGN					
			HMLTBR_6_UNITS					
			HNTGBH_7_UNIT 1					
			HNTGBH_7_UNIT 2					
			HOLGAT_1_BORAX					
			HOLSTR_1_SOLAR					
			HOLSTR_1_SOLAR2					
			HUMBPP_1_UNITS3					
			HUMBPP_6_UNITS					
			HUMBSB_1_QF					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			HURON_6_SOLAR					
			HYTTHM_2_UNITS					
			IGNACO_1_QF					
			INDIGO_1_UNIT 1					
			INDIGO_1_UNIT 2					
			INDIGO_1_UNIT 3					
			INDVLY_1_UNITS					
			INLDEM_5_UNIT 1					
			INLDEM_5_UNIT 2					
			INSKIP_2_UNIT					
			INTKEP_2_UNITS					
			INTTRB_6_UNIT					
			IVANPA_1_UNIT1					
			IVANPA_1_UNIT2					
			IVANPA_1_UNIT3					
			IVSLRP_2_SOLAR1					
			IVWEST_2_SOLAR1					
			JACMSR_1_JACSR1					
			JAKVAL_6_UNITG1					
			JAWBNE_2_NSRWND					
			JAWBNE_2_SRWND					
			JAYNE_6_WLSLR					
			KANAKA_1_UNIT					
			KANSAS_6_SOLAR					
			KEARNY_7_KY3					
			KEKAWK_6_UNIT					
			KELSO_2_UNITS					
			KELYRG_6_UNIT					
			KERKH1_7_UNIT 1					
			KERKH1_7_UNIT 3					
			KERKH2_7_UNIT 1					
			KERMAN_6_SOLAR1					
			KERMAN_6_SOLAR2					
			KERNFT_1_UNITS					
			KERNRG_1_UNITS					
			KERRGN_1_UNIT 1					
			KILARC_2_UNIT 1					
			KINGCO_1_KINGBR					
			KINGRV_7_UNIT 1					
			KIRKER_7_KELCYN					
			KNGBRD_2_SOLAR1					
			KNGBRD_2_SOLAR2					
			KNGBRG_1_KBSLR1					
			KNGBRG_1_KBSLR2					
			KNGCTY_6_UNITA1					
			KNTSTH_6_SOLAR					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			KRAMER_1_KJ5SR5					
			KRAMER_1_SEGS37					
			KRAMER_1_SEGSR3					
			KRAMER_1_SEGSR4					
			KRAMER_2_SEGS89					
			KRNCNY_6_UNIT					
			LACIEN_2_VENICE					
			LAGBEL_2_STG1					
			LAGBEL_6_QF					
			LAKHDG_6_UNIT 1					
			LAKHDG_6_UNIT 2					
			LAMONT_1_SOLAR1					
			LAMONT_1_SOLAR2					
			LAMONT_1_SOLAR3					
			LAMONT_1_SOLAR4					
			LAMONT_1_SOLAR5					
			LAPAC_6_UNIT					
			LAPLMA_2_UNIT 1					
			LAPLMA_2_UNIT 2					
			LAPLMA_2_UNIT 3					
			LAPLMA_2_UNIT 4					
			LARKSP_6_UNIT 1					
			LARKSP_6_UNIT 2					
			LAROA1_2_UNITA1					
			LAROA2_2_UNITA1					
			LASSEN_6_UNITS					
			LAWRNC_7_SUNYVL					
			LEBECS_2_UNITS					
			LECEF_1_UNITS					
			LEPRFD_1_KANSAS					
			LGHTHP_6_ICEGEN					
			LHILLS_6_SOLAR1					
			LILIAC_6_SOLAR					
			LITLRK_6_SEPV01					
			LITLRK_6_SOLAR1					
			LITLRK_6_SOLAR2					
			LITLRK_6_SOLAR3					
			LITLRK_6_SOLAR4					
			LIVEOK_6_SOLAR					
			LIVOAK_1_UNIT 1					
			LMBEPK_2_UNITA1					
			LMBEPK_2_UNITA2					
			LMBEPK_2_UNITA3					
			LMEC_1_PL1X3					
			LNCSTR_6_CREST					
			LOCKFD_1_BEARCK					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			LOCKFD_1_KSOLAR					
			LODI25_2_UNIT 1					
			LODIEC_2_PL1X2					
			LOWGAP_1_SUPHR					
			LOWGAP_7_QFUNTS					
			MAGUND_1_BKISR1					
			MAGUND_1_BKSSR2					
			MALAGA_1_PL1X2					
			MALCHQ_7_UNIT 1					
			MANTEC_1_ML1SR1					
			MANZNA_2_WIND					
			MARCPW_6_SOLAR1					
			MARTIN_1_SUNSET					
			MCARTH_6_FRIVRB					
			MCCALL_1_QF					
			MCSWAN_6_UNITS					
			MDFKRL_2_PROJCT					
			MENBIO_6_RENEW1					
			MENBIO_6_UNIT					
			MERCED_1_SOLAR1					
			MERCED_1_SOLAR2					
			MERCFL_6_UNIT					
			MESAP_1_QF					
			MESAS_2_QF					
			METCLF_1_QF					
			METEC_2_PL1X3					
			MIDSET_1_UNIT 1					
			MIDWD_2_WIND1					
			MIDWD_2_WIND2					
			MIDWD_6_WNDLND					
			MIDWD_7_CORAMB					
			MIRLOM_2_CORONA					
			MIRLOM_2_LNDFL					
			MIRLOM_2_MLBBTA					
			MIRLOM_2_MLBBTB					
			MIRLOM_2_ONTARO					
			MIRLOM_2_RTS032					
			MIRLOM_2_RTS033					
			MIRLOM_2_TEMESC					
			MIRLOM_6_DELGEN					
			MIRLOM_6_PEAKER					
			MIRLOM_7_MWDLKM					
			MISSIX_1_QF					
			MKTRCK_1_UNIT 1					
			MLPTAS_7_QFUNTS					
			MNDALY_6_MCGRTH					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			MNDALY_7_UNIT 1					
			MNDALY_7_UNIT 2					
			MNDALY_7_UNIT 3					
			MNDOTA_1_SOLAR1					
			MNDOTA_1_SOLAR2					
			MOJAVE_1_SIPHON					
			MOJAVW_2_SOLAR					
			MONLTH_6_BOREL					
			MONTPH_7_UNITS					
			MOORPK_2_CALABS					
			MOORPK_6_QF					
			MOORPK_7_UNITA1					
			MORWD_6_QF					
			MOSSLD_1_QF					
			MOSSLD_2_PSP1					
			MOSSLD_2_PSP2					
			MOSSLD_7_UNIT 6					
			MOSSLD_7_UNIT 7					
			MRCHNT_2_PL1X3					
			MRGT_6_MEF2					
			MRGT_6_MMAREF					
			MRGT_7_UNITS					
			MRLSDS_6_SOLAR1					
			MSHGTS_6_MMARLF					
			MSOLAR_2_SOLAR1					
			MSOLAR_2_SOLAR2					
			MSOLAR_2_SOLAR3					
			MSSION_2_QF					
			MSTANG_2_SOLAR					
			MSTANG_2_SOLAR3					
			MSTANG_2_SOLAR4					
			MTNPOS_1_UNIT					
			MTWIND_1_UNIT 1					
			MTWIND_1_UNIT 2					
			MTWIND_1_UNIT 3					
			MURRAY_6_UNIT					
			NAROW1_2_UNIT					
			NAROW2_2_UNIT					
			NAVYII_2_UNITS					
			NCPA_7_GP1UN1					
			NCPA_7_GP1UN2					
			NCPA_7_GP2UN3					
			NCPA_7_GP2UN4					
			NEENCH_6_SOLAR					
			NEWARK_1_QF					
			NHOGAN_6_UNITS					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			NIMTG_6_NIQF					
			NOVATO_6_LNDFL					
			NWCSTL_7_UNIT 1					
			NZWIND_2_WDSTR5					
			NZWIND_6_CALWND					
			NZWIND_6_WDSTR					
			NZWIND_6_WDSTR2					
			NZWIND_6_WDSTR3					
			NZWIND_6_WDSTR4					
			OAK C_1_EBMUD					
			OAK C_7_UNIT 1					
			OAK C_7_UNIT 2					
			OAK C_7_UNIT 3					
			OAK L_1_GTG1					
			OAKWD_6_ZEPHWD					
			OASIS_6_CREST					
			OASIS_6_SOLAR1					
			OASIS_6_SOLAR2					
			OASIS_6_SOLAR3					
			OCTILO_5_WIND					
			OGROVE_6_PL1X2					
			OILFLD_7_QFUNTS					
			OLDRIV_6_BIOGAS					
			OLDRV1_6_SOLAR					
			OLINDA_2_COYCRK					
			OLINDA_2_LNDFL2					
			OLINDA_2_QF					
			OLINDA_7_LNDFIL					
			OLIVEP_1_SOLAR					
			OLIVEP_1_SOLAR2					
			OLSEN_2_UNIT					
			OMAR_2_UNIT 1					
			OMAR_2_UNIT 2					
			OMAR_2_UNIT 3					
			OMAR_2_UNIT 4					
			ONLLPP_6_UNITS					
			ORLND_6_HIGHLI					
			ORLND_6_SOLAR1					
			ORMOND_7_UNIT 1					
			ORMOND_7_UNIT 2					
			OROLOM_1_SOLAR1					
			OROLOM_1_SOLAR2					
			OROVIL_6_UNIT					
			OSO_6_NSPIN					
			OTAY_6_LNDFL5					
			OTAY_6_LNDFL6					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			OTAY_6_PL1X2					
			OTAY_6_UNITB1					
			OTAY_7_UNITC1					
			OTMESA_2_PL1X3					
			OXBOW_6_DRUM					
			OXMTN_6_LNDFIL					
			PACLUM_6_UNIT					
			PADUA_2_ONTARO					
			PADUA_2_SOLAR1					
			PADUA_6_MWDSDM					
			PADUA_6_QF					
			PADUA_7_SDIMAS					
			PAIGES_6_SOLAR					
			PALALT_7_COBUG					
			PALOMR_2_PL1X3					
			PANDOL_6_UNIT					
			PANSEA_1_PANARO					
			PARDEB_6_UNITS					
			PBLOSM_2_SOLAR					
			PEABDY_2_LNDFIL					
			PEABDY_2_LNDFL1					
			PEARBL_2_NSPIN					
			PEORIA_1_SOLAR					
			PGCC_1_PDRP01					
			PGCC_1_PDRP02					
			PGCC_1_PDRP04					
			PGCC_1_PDRP05					
			PGEB_2_PDRP01					
			PGEB_2_PDRP02					
			PGEB_2_PDRP03					
			PGEB_2_PDRP04					
			PGEB_2_PDRP05					
			PGEB_2_PDRP06					
			PGEB_2_PDRP07					
			PGEB_2_PDRP08					
			PGEB_2_PDRP09					
			PGEB_2_PDRP10					
			PGEB_2_PDRP11					
			PGEB_2_RDRR07					
			PGEB_2_RDRR08					
			PGF1_2_PDRP01					
			PGF1_2_PDRP02					
			PGF1_2_PDRP03					
			PGF1_2_PDRP04					
			PGF1_2_PDRP07					
			PGF1_2_PDRP08					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			PGF1_2_PDRP09					
			PGF1_2_PDRP10					
			PGF1_2_PDRP11					
			PGF1_2_RDRR05					
			PGF1_2_RDRR06					
			PGF1_2_RDRR07					
			PGFG_1_PDRP01					
			PGFG_1_PDRP02					
			PGFG_1_PDRP03					
			PGFG_1_PDRP04					
			PGFG_1_PDRP05					
			PGFG_1_PDRP06					
			PGFG_1_RDRR03					
			PGHB_6_PDRP01					
			PGHB_6_PDRP02					
			PGHB_6_PDRP04					
			PGKN_2_PDRP02					
			PGKN_2_RDRR03					
			PGLP_2_PDRP02					
			PGNB_2_PDRP01					
			PGNB_2_PDRP02					
			PGNB_2_PDRP03					
			PGNB_2_PDRP04					
			PGNB_2_PDRP05					
			PGNB_2_RDRR01					
			PGNC_1_PDRP01					
			PGNP_2_PDRP01					
			PGNP_2_PDRP02					
			PGNP_2_PDRP03					
			PGNP_2_RDRR01					
			PGNP_2_RDRR09					
			PGNV_1_PDRP01					
			PGP2_2_PDRP01					
			PGP2_2_PDRP04					
			PGP2_2_PDRP05					
			PGP2_2_PDRP06					
			PGP2_2_PDRP07					
			PGP2_2_PDRP08					
			PGP2_2_PDRP10					
			PGP2_2_PDRP17					
			PGSA_2_PDRP01					
			PGSA_2_PDRP02					
			PGSA_2_PDRP03					
			PGSB_1_PDRP02					
			PGSB_1_PDRP03					
			PGSB_1_PDRP04					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			PGSB_1_PDRP05					
			PGSB_1_PDRP06					
			PGSB_1_PDRP07					
			PGSB_1_PDRP08					
			PGSB_1_PDRP09					
			PGSB_1_PDRP10					
			PGSB_1_PDRP11					
			PGSB_1_PDRP12					
			PGSB_1_PDRP13					
			PGSB_1_PDRP14					
			PGSB_1_PDRP16					
			PGSB_1_RDRR04					
			PGSB_1_RDRR05					
			PGSF_2_PDRP01					
			PGSF_2_PDRP02					
			PGSF_2_PDRP03					
			PGSF_2_PDRP04					
			PGSF_2_PDRP06					
			PGSF_2_PDRP07					
			PGSF_2_PDRP08					
			PGSF_2_PDRP09					
			PGSF_2_PDRP10					
			PGSF_2_PDRP11					
			PGSF_2_PDRP12					
			PGSF_2_PDRP18					
			PGSI_1_PDRP01					
			PGSI_1_PDRP02					
			PGSI_1_PDRP03					
			PGSI_1_RDRR01					
			PGST_2_PDRP01					
			PGST_2_PDRP03					
			PGST_2_RDRR02					
			PGZP_2_PDRP02					
			PGZP_2_PDRP03					
			PGZP_2_RDRR01					
			PGZP_2_RDRR02					
			PGZP_2_RDRR03					
			PGZP_2_RDRR06					
			PHOENX_1_UNIT					
			PINFLT_7_UNITS					
			PIOPIC_2_CTG1					
			PIOPIC_2_CTG2					
			PIOPIC_2_CTG3					
			PIT1_6_FRIVRA					
			PIT1_7_UNIT 1					
			PIT1_7_UNIT 2					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			PIT3_7_PL1X3					
			PIT4_7_PL1X2					
			PIT5_7_PL1X2					
			PIT5_7_PL3X4					
			PIT5_7_QFUNTS					
			PIT6_7_UNIT 1					
			PIT6_7_UNIT 2					
			PIT7_7_UNIT 1					
			PIT7_7_UNIT 2					
			PITTSP_7_UNIT 5					
			PITTSP_7_UNIT 6					
			PITTSP_7_UNIT 7					
			PLACVL_1_CHILIB					
			PLACVL_1_RCKCRE					
			PLAINV_6_BSOLAR					
			PLAINV_6_DSOLAR					
			PLAINV_6_NLRSR1					
			PLAINV_6_SOLAR3					
			PLAINV_6_SOLARC					
			PLSNTG_7_LNCLND					
			PMDLET_6_SOLAR1					
			PMPJCK_1_RB2SLR					
			PMPJCK_1_SOLAR1					
			PMPJCK_1_SOLAR2					
			PNCHEG_2_PL1X4					
			PNCHPP_1_PL1X2					
			PNCHVS_2_SOLAR					
			PNOCHE_1_PL1X2					
			PNOCHE_1_UNITA1					
			POEPH_7_UNIT 1					
			POEPH_7_UNIT 2					
			POTTER_6_UNITS					
			POTTER_7_VECINO					
			PRIMM_2_SOLAR1					
			PSWEET_1_STCRUZ					
			PSWEET_7_QFUNTS					
			PTLOMA_6_NTCCGN					
			PTLOMA_6_NTCQF					
			PUTHCR_1_SOLAR1					
			PWEST_1_UNIT					
			RCKCRK_7_UNIT 1					
			RCKCRK_7_UNIT 2					
			RDWAY_1_CREST					
			RECTOR_2_CREST					
			RECTOR_2_KAWEAH					
			RECTOR_2_KAWH 1					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			RECTOR_2_QF					
			RECTOR_7_TULARE					
			REDBLF_6_UNIT					
			REDMAN_2_SOLAR					
			REDOND_7_UNIT 5					
			REDOND_7_UNIT 6					
			REDOND_7_UNIT 7					
			REDOND_7_UNIT 8					
			REEDLY_6_SOLAR					
			RENWD_1_QF					
			RHONDO_2_QF					
			RHONDO_6_PUENTE					
			RICHMN_1_CHVSR2					
			RICHMN_1_SOLAR					
			RICHMN_7_BAYENV					
			RIOBRV_6_UNIT 1					
			RIOOSO_1_QF					
			RNDMTN_2_SLSPHY1					
			ROLLIN_6_UNIT					
			ROSMDW_2_WIND1					
			ROSMND_6_SOLAR					
			RSMSLR_6_SOLAR1					
			RSMSLR_6_SOLAR2					
			RTEDDY_2_SOLAR1					
			RTEDDY_2_SOLAR2					
			RTREE_2_WIND1					
			RTREE_2_WIND2					
			RTREE_2_WIND3					
			RUSCTY_2_UNITS					
			RVRVEW_1_UNITA1					
			RVSIDE_2_RERCU3					
			RVSIDE_2_RERCU4					
			RVSIDE_6_RERCU1					
			RVSIDE_6_RERCU2					
			RVSIDE_6_SOLAR1					
			RVSIDE_6_SPRING					
			S_RITA_6_SOLAR1					
			SALIRV_2_UNIT					
			SALTSP_7_UNITS					
			SAMPSN_6_KELCO1					
			SANDLT_2_SUNITS					
			SANITR_6_UNITS					
			SANLOB_1_LNDFIL					
			SANTFG_7_UNITS					
			SANTGO_2_LNDFL1					
			SANTGO_2_MABBT1					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			SANWD_1_QF					
			SARGNT_2_UNIT					
			SAUGUS_2_TOLAND					
			SAUGUS_6_MWDFTH					
			SAUGUS_6_PTCHGN					
			SAUGUS_6_QF					
			SAUGUS_7_CHIQCN					
			SAUGUS_7_LOPEZ					
			SBERDO_2_PSP3					
			SBERDO_2_PSP4					
			SBERDO_2_QF					
			SBERDO_2_REDLND					
			SBERDO_2_RTS005					
			SBERDO_2_RTS007					
			SBERDO_2_RTS011					
			SBERDO_2_RTS013					
			SBERDO_2_RTS016					
			SBERDO_2_RTS048					
			SBERDO_2_SNTANA					
			SBERDO_6_MILLCK					
			SCEC_1_PDRP03					
			SCEC_1_PDRP26					
			SCEC_1_PDRP27					
			SCEC_1_PDRP28					
			SCEC_1_PDRP29					
			SCEC_1_PDRP30					
			SCEC_1_PDRP31					
			SCEC_1_PDRP32					
			SCEC_1_PDRP33					
			SCEC_1_PDRP36					
			SCEC_1_PDRP37					
			SCEC_1_PDRP38					
			SCEC_1_PDRP39					
			SCEC_1_PDRP41					
			SCEC_1_PDRP42					
			SCEC_1_PDRP43					
			SCEC_1_PDRP44					
			SCEC_1_PDRP45					
			SCEC_1_PDRP46					
			SCEC_1_PDRP47					
			SCEN_6_PDRP01					
			SCEN_6_PDRP17					
			SCEN_6_PDRP18					
			SCEN_6_PDRP19					
			SCEN_6_PDRP20					
			SCEN_6_PDRP21					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			SCEN_6_PDRP22					
			SCEN_6_PDRP23					
			SCEN_6_PDRP24					
			SCEN_6_PDRP25					
			SCEN_6_PDRP27					
			SCEW_2_PDRP01					
			SCEW_2_PDRP04					
			SCEW_2_PDRP05					
			SCEW_2_PDRP15					
			SCEW_2_PDRP16					
			SCEW_2_PDRP17					
			SCEW_2_PDRP18					
			SCEW_2_PDRP19					
			SCEW_2_PDRP20					
			SCEW_2_PDRP21					
			SCEW_2_PDRP24					
			SCEW_2_PDRP25					
			SCEW_2_PDRP26					
			SCEW_2_PDRP27					
			SCEW_2_PDRP28					
			SCEW_2_PDRP29					
			SCEW_2_PDRP30					
			SCEW_2_PDRP31					
			SCEW_2_PDRP38					
			SCEW_2_PDRP39					
			SCHD_1_PDRP01					
			SCHD_1_PDRP02					
			SCHD_1_PDRP11					
			SCHD_1_PDRP12					
			SCHD_1_PDRP15					
			SCHD_1_PDRP16					
			SCHLTE_1_PL1X3					
			SCHNDR_1_FIVPTS					
			SCHNDR_1_WSTSDE					
			SCLD_1_PDRP08					
			SCLD_1_PDRP10					
			SCNW_6_PDRP01					
			SCNW_6_PDRP02					
			SCNW_6_PDRP10					
			SCNW_6_PDRP11					
			SCNW_6_PDRP12					
			SCNW_6_PDRP15					
			SCNW_6_PDRP17					
			SCNW_6_PDRP18					
			SCNW_6_PDRP19					
			SCNW_6_PDRP20					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			SDG1_1_PDRP01					
			SDG1_1_PDRP02					
			SDG1_1_PDRP03					
			SDG1_1_PDRP04					
			SDG1_1_PDRP05					
			SDG1_1_PDRP06					
			SDG1_1_PDRP07					
			SDG1_1_PDRP08					
			SDG1_1_PDRP09					
			SDG1_1_PDRP10					
			SDG1_1_PDRP11					
			SDG1_1_PDRP12					
			SDG1_1_PDRP14					
			SDG1_1_PDRP15					
			SDG1_1_PDRP16					
			SDG1_1_PDRP17					
			SDG1_1_PDRP18					
			SDG1_1_PDRP19					
			SDG1_1_PDRP30					
			SDG1_1_PDRP31					
			SDG1_1_PDRP32					
			SDG1_1_PDRP33					
			SDG1_1_PDRP34					
			SEARLS_7_ARGUS					
			SEGS_1_SR2SL2					
			SENTNL_2_CTG1					
			SENTNL_2_CTG2					
			SENTNL_2_CTG3					
			SENTNL_2_CTG4					
			SENTNL_2_CTG5					
			SENTNL_2_CTG6					
			SENTNL_2_CTG7					
			SENTNL_2_CTG8					
			SGREGY_6_SANGER					
			SHUTLE_6_CREST					
			SIERRA_1_UNITS					
			SISQUC_1_SMARIA					
			SKERN_6_SOLAR1					
			SKERN_6_SOLAR2					
			SLST13_2_SOLAR1					
			SLSTR1_2_SOLAR1					
			SLSTR2_2_SOLAR2					
			SLUISP_2_UNITS					
			SLYCRK_1_UNIT 1					
			SMPRIP_1_SMPSON					
			SMRCOS_6_LNDFIL					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			SMUDGO_7_UNIT 1					
			SMYRNA_1_DL1SR1					
			SNCLRA_2_HOWLNG					
			SNCLRA_2_SPRHYD					
			SNCLRA_2_UNIT1					
			SNCLRA_6_OXGEN					
			SNCLRA_6_PROCGN					
			SNCLRA_6_QF					
			SNCLRA_6_WILLMT					
			SNDBAR_7_UNIT 1					
			SNMALF_6_UNITS					
			SOUTH_2_UNIT					
			SPAULD_6_UNIT 3					
			SPAULD_6_UNIT12					
			SPBURN_2_UNIT 1					
			SPBURN_7_SNOWMT					
			SPI LI_2_UNIT 1					
			SPIAND_1_ANDSN2					
			SPICER_1_UNITS					
			SPIFBD_1_PL1X2					
			SPQUIN_6_SRPCQU					
			SPRGAP_1_UNIT 1					
			SPRGVL_2_CREST					
			SPRGVL_2_QF					
			SPRGVL_2_TULE					
			SPRGVL_2_TULESC					
			SRINTL_6_UNIT					
			STANIS_7_UNIT 1					
			STAUFF_1_UNIT					
			STIGCT_2_LODI					
			STNRES_1_UNIT					
			STOILS_1_UNITS					
			STOREY_2_MDRCH2					
			STOREY_2_MDRCH3					
			STOREY_2_MDRCH4					
			STOREY_7_MDRCHW					
			STROUD_6_SOLAR					
			SUNRIS_2_PL1X3					
			SUNSET_2_UNITS					
			SUNSHN_2_LNDFL					
			SUTTER_2_PL1X3					
			SYCAMR_2_UNIT 1					
			SYCAMR_2_UNIT 2					
			SYCAMR_2_UNIT 3					
			SYCAMR_2_UNIT 4					
			TANHIL_6_SOLART					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			TBLMTN_6_QF					
			TEHAPI_2_WIND1					
			TEHAPI_2_WIND2					
			TENGEN_2_PL1X2					
			TERMEX_2_PL1X3					
			TESLA_1_QF					
			THMENG_1_UNIT 1					
			TIDWTR_2_UNITS					
			TIFFNY_1_DILLON					
			TIGRCK_7_UNITS					
			TKOPWR_6_HYDRO					
			TMPLTN_2_SOLAR					
			TOADTW_6_UNIT					
			TOPAZ_2_SOLAR					
			TORTLA_1_SOLAR					
			TRNQL8_2_AZUSR1					
			TRNQLT_2_SOLAR					
			TRNSWD_1_QF					
			TULEWD_1_TULWD1					
			TULLCK_7_UNITS					
			TUPMAN_1_BIOGAS					
			TWISSL_6_SOLAR					
			TWISSL_6_SOLAR1					
			TX-ELK_6_SOLAR1					
			TXMCKT_6_UNIT					
			UKIAH_7_LAKEMN					
			ULTPCH_1_UNIT 1					
			ULTPFR_1_UNIT 1					
			ULTRCK_2_UNIT					
			UNCHEM_1_UNIT					
			UNOCAL_1_UNITS					
			UNVRSY_1_UNIT 1					
			USWND2_1_WIND1					
			USWND2_1_WIND2					
			USWND2_1_WIND3					
			USWND4_2_UNITS					
			USWNDR_2_SMUD					
			USWNDR_2_SMUD2					
			USWNDR_2_UNITS					
			USWPJR_2_UNITS					
			VACADX_1_NAS					
			VACADX_1_SOLAR					
			VACADX_1_UNITA1					
			VALLEY_5_PERRIS					
			VALLEY_5_REDMTN					
			VALLEY_5_RTS044					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			VALLEY_5_SOLAR1					
			VALLEY_5_SOLAR2					
			VALLEY_7_BADLND					
			VALLEY_7_UNITA1					
			VEAVST_1_SOLAR					
			VEDDER_1_SEKERN					
			VEGA_6_SOLAR1					
			VENWD_1_WIND1					
			VENWD_1_WIND2					
			VENWD_1_WIND3					
			VERNON_6_GONZL1					
			VERNON_6_GONZL2					
			VERNON_6_MALBRG					
			VESTAL_2_KERN					
			VESTAL_2_RTS042					
			VESTAL_2_SOLAR1					
			VESTAL_2_SOLAR2					
			VESTAL_2_UNIT1					
			VESTAL_2_WELLHD					
			VESTAL_6_QF					
			VICTOR_1_CREST					
			VICTOR_1_EXSLRA					
			VICTOR_1_EXSLRB					
			VICTOR_1_LVSLR1					
			VICTOR_1_LVSLR2					
			VICTOR_1_SLRHES					
			VICTOR_1_SOLAR1					
			VICTOR_1_SOLAR2					
			VICTOR_1_SOLAR3					
			VICTOR_1_SOLAR4					
			VICTOR_1_VDRYFA					
			VICTOR_1_VDRYFB					
			VILLPK_2_VALLYV					
			VILLPK_6_MWDYOR					
			VINCNT_2_QF					
			VINCNT_2_WESTWD					
			VISTA_2_RIALTO					
			VISTA_2_RTS028					
			VISTA_6_QF					
			VLCNTR_6_VCSLR					
			VLCNTR_6_VCSLR1					
			VLCNTR_6_VCSLR2					
			VLYHOM_7_SSJID					
			VOLTA_2_UNIT 1					
			VOLTA_2_UNIT 2					
			VOLTA_6_BAILCK					

LSE_Type	LSE_Name_Long	LSE_Name_Short	Resource_ID	Owner_Contract_Ty	Pending_C	Resource_Type	Year	Month
			VOLTA_6_DIGHYD					
			VOLTA_7_QFUNTS					
			WADHAM_6_UNIT					
			WALCRK_2_CTG1					
			WALCRK_2_CTG2					
			WALCRK_2_CTG3					
			WALCRK_2_CTG4					
			WALCRK_2_CTG5					
			WALNUT_2_SOLAR					
			WALNUT_6_HILLGEN					
			WALNUT_7_WCOVCT					
			WALNUT_7_WCOVST					
			WARNE_2_UNIT					
			WAUKNA_1_SOLAR					
			WAUKNA_1_SOLAR2					
			WDFRDF_2_UNITS					
			WDLEAF_7_UNIT 1					
			WEBER_6_FORWRD					
			WESTPT_2_UNIT					
			WFRESN_1_SOLAR					
			WHEATL_6_LNDFIL					
			WHITNY_6_SOLAR					
			WHTWTR_1_WINDA1					
			WISE_1_UNIT 1					
			WISE_1_UNIT 2					
			WISHON_6_UNITS					
			WLDWD_1_SOLAR1					
			WLDWD_1_SOLAR2					
			WNDMAS_2_UNIT 1					
			WNDSTR_2_WIND					
			WOLFSK_1_UNITA1					
			WOODWR_1_HYDRO					
			WRGHTP_7_AMENGY					
			WSENGY_1_UNIT 1					
			YUBACT_1_SUNSWT					
			YUBACT_6_UNITA1					
			ZOND_6_UNIT					

Cell Color Scheme

- Yellow cells are inputs that can be changed by the user (only in the Dashboard and Custom Profiles tabs)
- Orange cells contain drop down menus that allow the user to input custom values
- Grey cells are intermediate calculations or results (should NOT be changed)
- Green cells are final outputs

Tab Color Scheme

- Light Orange tabs are where the user inputs values and views results
- Blue tab contains LSE-specific data from the 2017 IEPR that the user should input into the "IEPR Managed Retail Sales Forecast" cells on the Dashboard
- Gray tab documents data sources
- Yellow tabs are read-only tabs that contain inputs and calculations

INPUTS

Notes:

Input values (yellow cells) shown here are placeholders. Users should replace all inputs with values specific to their system.

Inputs and results are included for the 2018, 2022, 2026, and 2030 modeling years. Any intermediate years should be interpolated outside of this tool.

General Inputs

Metric	Unit	2018	2022	2026	2030	Notes
Owned or contracted non-dispatchable GHG-emitting resources	MW	-	-	-	-	*Perfect capacity - 100% CF; e.g. cogeneration*
Emission Factor - Owned or contracted non-dispatchable GHG-emitting resources	tCO2/MWh	0.35	0.35	0.35	0.35	*For multiple resources, input weighted average*
Fraction of EV owners that can charge at work	%	6%	14%	22%	30%	*Values shown are "Mid" from CPUC IRP RESOLVE User Interface*

Demand Inputs

Assigned Load Forecast for IRP (i.e., Managed Retail Sales Forecast)	GWh	1,071	12,009	11,630	11,362	*Includes effect of BTM PV, AAEE, etc.*

Default Demand Inputs (based on sales-weighted share of total from IEPR)	Units	2018	2022	2026	2030	Notes
Baseline net energy for load (no BTM PV, EV, electrification, energy efficiency)	GWh	1,226	14,547	14,894	15,270	*Grossed up for T&D losses; demand met by BTM CHP excluded*
Electrice Vehicle Load - Home Charging Only	GWh	8	243	380	477	*Grossed up for T&D losses*
Electrice Vehicle Load - Home + Work Charging	GWh	1	40	107	204	*Grossed up for T&D losses*
Other Electrification	GWh	1	18	29	38	*Grossed up for T&D losses*
Building Electrification	GWh	-	-	-	-	*Grossed up for T&D losses*
Energy Efficiency	GWh	(12)	(651)	(1,208)	(1,706)	*Grossed up for T&D losses*
BTM PV	GWh	(68)	(1,241)	(1,660)	(2,035)	*Grossed up for T&D losses*

Custom Demand Inputs (OPTIONAL; overwrites Assigned Load Forecast for IRP)	Use Custom?	Units	2018	2022	2026	2030	Notes
Baseline net energy for load (no BTM PV, EV, electrification, energy efficiency)	No	GWh	1071	12009	11630	11362	*To overwrite, set "Use Custom" to "Yes" and input forecast. Custom demand values should be grossed up for T&D losses. User-specified load profiles should be input in the "Custom Profiles" tab. Energy efficiency and BTM PV subtract from demand and therefore should be entered as negative values.*
Electrice Vehicle Load - Home Charging Only	No	GWh					
Electrice Vehicle Load - Home + Work Charging	No	GWh					
Other Electrification	No	GWh					
Building Electrification	No	GWh					
Energy Efficiency	No	GWh					
BTM PV	No	GWh					

Active Demand Inputs	Source	Units	2018	2022	2026	2030	Notes
Baseline net energy for load (no BTM PV, EV, electrification, energy efficiency)	IEPR	GWh	1,226	14,547	14,894	15,270	
Electrice Vehicle Load - Home Charging Only	IEPR	GWh	8	243	380	477	
Electrice Vehicle Load - Home + Work Charging	IEPR	GWh	1	40	107	204	
Other Electrification	IEPR	GWh	1	18	29	38	
Building Electrification	IEPR	GWh	-	-	-	-	
Energy Efficiency	IEPR	GWh	(12)	(651)	(1,208)	(1,706)	
BTM PV	IEPR	GWh	(68)	(1,241)	(1,660)	(2,035)	

Capacity Inputs (MW)

Candidate Resource	Type	2018	2022	2026	2030	Notes
Battery Storage	Storage	-	27	27	27	*Assumes 4-hr battery storage duration*
Pumped Storage	Storage	-	-	-	-	*Assumes at least 12-hr pumped storage duration*
Large Hydro	Large Hydro	113	-	-	-	*Assumes average dispatch based on RESOLVE*
Nuclear	Nuclear	-	-	-	-	*Perfect capacity - 100% CF*
CAISO_Wind_for_CAISO	Wind	-	-	-	-	*Existing wind located in CAISO*
SW_Wind_for_CAISO	Wind	-	-	-	-	*Existing wind located in SW and delivered to CAISO*
Contracted_NW_Wind	Wind	-	-	-	-	*Existing wind located in NW and delivered to CAISO*
Northern_California_Wind	Wind	-	-	-	-	
Solano_Wind	Wind	-	-	-	-	
Central_Valley_North_Los_Banos_Wind	Wind	-	-	-	-	
Greater_Carrizo_Wind	Wind	-	-	-	-	
Tehachapi_Wind	Wind	-	-	-	-	
Kramer_Inyokern_Wind	Wind	-	-	-	-	
Southern_California_Desert_Wind	Wind	-	120	120	120	
Riverside_East_Palm_Springs_Wind	Wind	-	-	-	-	
Greater_Imperial_Wind	Wind	-	-	-	-	
Distributed_Wind	Wind	-	-	-	-	
Baja_California_Wind	Wind	-	-	-	-	
Pacific_Northwest_Wind	Wind	-	-	-	-	
NW_Ext_Tx_Wind	Wind	-	-	-	-	
Idaho_Wind	Wind	-	-	-	-	
Utah_Wind	Wind	-	-	-	-	
Wyoming_Wind	Wind	-	-	-	-	
Southern_Nevada_Northwest_Arizona_Wind	Wind	-	-	-	-	
Arizona_Wind	Wind	-	-	-	-	
New_Mexico_Wind	Wind	-	-	-	-	
SW_Ext_Tx_Wind	Wind	-	-	-	-	
BTM_Distributed_PV	Solar	34	616	825	1,011	*Derived from demand inputs, grossed up for T&D losses. DO NOT EDIT*
CAISO_Solar_for_CAISO	Solar	-	-	-	-	*Existing solar located in CAISO*
SW_Solar_for_CAISO	Solar	-	-	-	-	*Existing solar located in SW and delivered to CAISO*
IID_Solar_for_CAISO	Solar	-	-	-	-	*Existing solar located in IID and delivered to CAISO*
Northern_California_Solar	Solar	-	-	-	-	
Solano_Solar	Solar	-	-	-	-	
Central_Valley_North_Los_Banos_Solar	Solar	-	-	-	-	
Westlands_Solar	Solar	-	-	-	-	
Greater_Carrizo_Solar	Solar	-	-	-	-	
Tehachapi_Solar	Solar	-	-	-	-	
Kramer_Inyokern_Solar	Solar	-	-	-	-	
Mountain_Pass_El_Dorado_Solar	Solar	-	-	-	-	
Southern_California_Desert_Solar	Solar	37	2,330	2,330	2,330	
Riverside_East_Palm_Springs_Solar	Solar	-	-	-	-	
Greater_Imperial_Solar	Solar	-	-	-	-	
Baja_California_Solar	Solar	-	-	-	-	
Utah_Solar	Solar	-	-	-	-	
Southern_Nevada_Solar	Solar	-	-	-	-	
Arizona_Solar	Solar	-	-	-	-	
New_Mexico_Solar	Solar	-	-	-	-	
Geothermal	Geothermal	-	-	-	247	*perfect capacity - 100% CF*
Biomass	Biomass	-	-	-	-	*perfect capacity - 100% CF*
Small Hydro	Small Hydro	-	-	-	-	*perfect capacity - 100% CF*

RESULTS

Energy Balance	Unit	2018	2022	2026	2030	Notes
Energy for Load (excluding BTM PV)	GWh	1,224	14,197	14,203	14,285	
Owned or contracted non-dispatchable GHG-emitting resources	GWh	-	-	-	-	
Large Hydro	GWh	300	-	-	-	
Nuclear	GWh	-	-	-	-	
Renewable Generation (including BTM PV)	GWh	181	8,669	9,088	11,627	*Includes oversupply*
User-specified GHG-free Power	GWh	-	205	205	205	
Storage Energy Imbalance	GWh	-	(10)	(10)	(11)	*Due to storage losses and subhourly reserves.*
Clean Net Short	**GWh**	**743**	**5,333**	**4,920**	**2,463**	

Emissions	Unit	2018	2022	2026	2030	Notes
Clean Net Short	MMtCO2/yr.	0.3	2.5	2.3	2.1	*Includes oversupply emissions credits*
Owned or contracted non-dispatchable GHG-emitting resources	MMtCO2/yr.	-	-	-	-	
Emissions offset for NW hydroelectric imports	MMtCO2/yr.	(0.0)	(0.2)	(0.2)	(0.2)	*Scaled to LSE load ratio share within CAISO*
Total	**MMtCO2/yr.**	**0.273**	**2.377**	**2.165**	**1.909**	
Average emission intensity	tCO2/MWh	0.22	0.17	0.15	0.13	

Oversupply	Unit	2018	2022	2026	2030	Notes
Oversupply	GWh	0	2,317	2,720	3,830	*Occurs when hourly supply exceeds hourly load*
Oversupply Emission Credits	MMtCO2/yr.	0.0	0.5	0.6	0.3	

Capacity/Peak	Unit	2018	2022	2026	2030	Notes
Profile Peak Load	MW	277	3,255	3,306	3,367	*Peak of hourly load profile - not a 1:10 peak*
Owned or contracted non-dispatchable GHG-emitting resources	MW	-	-	-	-	
Large Hydro	MW	113	-	-	-	
Nuclear	MW	-	-	-	-	
Total Baseload Renewables	MW	-	-	-	247	
Total Variable Renewables	MW	71	3,066	3,275	3,461	*Includes BTM PV*
User-specified GHG-free Power	MW	-	70	70	70	
Energy Storage	MW	-	27	27	27	
Maximum Clean Net Short	MW	221	3,016	3,073	2,883	

Dashboard

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	1	1	-	29	29	29	0.00	-	-	-	-	1276
1	1	2	-	29	29	29	0.00	-	-	-	-	1214
1	1	3	-	29	29	29	0.00	-	-	-	-	1169
1	1	4	-	29	29	29	0.00	-	-	-	-	1142
1	1	5	-	29	29	29	0.00	-	-	-	-	1137
1	1	6	-	29	29	29	0.00	-	-	-	-	1155
1	1	7	-	29	29	29	0.00	-	-	-	-	1192
1	1	8	-	29	29	29	0.00	-	-	-	-	1210
1	1	9	-	29	29	29	0.00	-	-	-	-	1230
1	1	10	-	29	29	29	0.00	-	-	-	-	1255
1	1	11	-	29	29	29	0.00	-	-	-	-	1270
1	1	12	-	29	29	29	0.00	-	-	-	-	1262
1	1	13	-	29	29	29	0.00	-	-	-	-	1245
1	1	14	-	29	29	29	0.00	-	-	-	-	1220
1	1	15	-	29	29	29	0.00	-	-	-	-	1203
1	1	16	-	29	29	29	0.00	-	-	-	-	1212
1	1	17	-	29	29	29	0.00	-	-	-	-	1292
1	1	18	-	29	29	29	0.00	-	-	-	-	1501
1	1	19	-	29	29	29	0.00	-	-	-	-	1550

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	1	20	-	29	29	29	0.00	-	-	-	-	1543
1	1	21	-	29	29	29	0.00	-	-	-	-	1523
1	1	22	-	29	29	29	0.00	-	-	-	-	1472
1	1	23	-	29	29	29	0.00	-	-	-	-	1379
1	1	24	-	29	29	29	0.00	-	-	-	-	1243
1	2	1	-	29	29	29	0.00	-	-	-	-	1170
1	2	2	-	29	29	29	0.00	-	-	-	-	1108
1	2	3	-	29	29	29	0.00	-	-	-	-	1070
1	2	4	-	29	29	29	0.00	-	-	-	-	1056
1	2	5	-	29	29	29	0.00	-	-	-	-	1065
1	2	6	-	29	29	29	0.00	-	-	-	-	1098
1	2	7	-	29	29	29	0.00	-	-	-	-	1155
1	2	8	-	29	29	29	0.00	-	-	-	-	1196
1	2	9	-	29	29	29	0.00	-	-	-	-	1249
1	2	10	-	29	29	29	0.00	-	-	-	-	1299
1	2	11	-	29	29	29	0.00	-	-	-	-	1324
1	2	12	-	29	29	29	0.00	-	-	-	-	1304
1	2	13	-	29	29	29	0.00	-	-	-	-	1279
1	2	14	-	29	29	29	0.00	-	-	-	-	1253

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	2	15	-	29	29	29	0.00	-	-	-	-	1232
1	2	16	-	29	29	29	0.00	-	-	-	-	1235
1	2	17	-	29	29	29	0.00	-	-	-	-	1311
1	2	18	-	29	29	29	0.00	-	-	-	-	1506
1	2	19	-	29	29	29	0.00	-	-	-	-	1555
1	2	20	-	29	29	29	0.00	-	-	-	-	1547
1	2	21	-	29	29	29	0.00	-	-	-	-	1522
1	2	22	-	29	29	29	0.00	-	-	-	-	1470
1	2	23	-	29	29	29	0.00	-	-	-	-	1384
1	2	24	-	29	29	29	0.00	-	-	-	-	1269
1	3	1	-	29	29	29	0.00	-	-	-	-	1183
1	3	2	-	29	29	29	0.00	-	-	-	-	1120
1	3	3	-	29	29	29	0.00	-	-	-	-	1080
1	3	4	-	29	29	29	0.00	-	-	-	-	1062
1	3	5	-	29	29	29	0.00	-	-	-	-	1062
1	3	6	-	29	29	29	0.00	-	-	-	-	1089
1	3	7	-	29	29	29	0.00	-	-	-	-	1140
1	3	8	-	29	29	29	0.00	-	-	-	-	1179
1	3	9	-	29	29	29	0.00	-	-	-	-	1219

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	3	10	-	29	29	29	0.00	-	-	-	-	1242
1	3	11	-	29	29	29	0.00	-	-	-	-	1255
1	3	12	-	29	29	29	0.00	-	-	-	-	1256
1	3	13	-	29	29	29	0.00	-	-	-	-	1251
1	3	14	-	29	29	29	0.00	-	-	-	-	1243
1	3	15	-	29	29	29	0.00	-	-	-	-	1231
1	3	16	-	29	29	29	0.00	-	-	-	-	1237
1	3	17	-	29	29	29	0.00	-	-	-	-	1320
1	3	18	-	29	29	29	0.00	-	-	-	-	1530
1	3	19	-	29	29	29	0.00	-	-	-	-	1581
1	3	20	-	29	29	29	0.00	-	-	-	-	1572
1	3	21	-	29	29	29	0.00	-	-	-	-	1539
1	3	22	-	29	29	29	0.00	-	-	-	-	1458
1	3	23	-	29	29	29	0.00	-	-	-	-	1336
1	3	24	-	29	29	29	0.00	-	-	-	-	1229
1	4	1	-	29	29	29	0.00	-	-	-	-	1114
1	4	2	-	29	29	29	0.00	-	-	-	-	1046
1	4	3	-	29	29	29	0.00	-	-	-	-	1011
1	4	4	-	29	29	29	0.00	-	-	-	-	1003

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	4	5	-	29	29	29	0.00	-	-	-	-	1044
1	4	6	-	29	29	29	0.00	-	-	-	-	1132
1	4	7	-	29	29	29	0.00	-	-	-	-	1274
1	4	8	-	29	29	29	0.00	-	-	-	-	1375
1	4	9	-	29	29	29	0.00	-	-	-	-	1413
1	4	10	-	29	29	29	0.00	-	-	-	-	1429
1	4	11	-	29	29	29	0.00	-	-	-	-	1436
1	4	12	-	29	29	29	0.00	-	-	-	-	1434
1	4	13	-	29	29	29	0.00	-	-	-	-	1420
1	4	14	-	29	29	29	0.00	-	-	-	-	1410
1	4	15	-	29	29	29	0.00	-	-	-	-	1399
1	4	16	-	29	29	29	0.00	-	-	-	-	1397
1	4	17	-	29	29	29	0.00	-	-	-	-	1452
1	4	18	-	29	29	29	0.00	-	-	-	-	1623
1	4	19	-	29	29	29	0.00	-	-	-	-	1655
1	4	20	-	29	29	29	0.00	-	-	-	-	1627
1	4	21	-	29	29	29	0.00	-	-	-	-	1576
1	4	22	-	29	29	29	0.00	-	-	-	-	1482
1	4	23	-	29	29	29	0.00	-	-	-	-	1350

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	4	24	-	29	29	29	0.00	-	-	-	-	1340
1	5	1	-	29	29	29	0.00	-	-	-	-	1117
1	5	2	-	29	29	29	0.00	-	-	-	-	1056
1	5	3	-	29	29	29	0.00	-	-	-	-	1023
1	5	4	-	29	29	29	0.00	-	-	-	-	1014
1	5	5	-	29	29	29	0.00	-	-	-	-	1040
1	5	6	-	29	29	29	0.00	-	-	-	-	1131
1	5	7	-	29	29	29	0.00	-	-	-	-	1276
1	5	8	-	29	29	29	0.00	-	-	-	-	1399
1	5	9	-	29	29	29	0.00	-	-	-	-	1474
1	5	10	-	29	29	29	0.00	-	-	-	-	1548
1	5	11	-	29	29	29	0.00	-	-	-	-	1594
1	5	12	-	29	29	29	0.00	-	-	-	-	1597
1	5	13	-	29	29	29	0.00	-	-	-	-	1592
1	5	14	-	29	29	29	0.00	-	-	-	-	1564
1	5	15	-	29	29	29	0.00	-	-	-	-	1513
1	5	16	-	29	29	29	0.00	-	-	-	-	1496
1	5	17	-	29	29	29	0.00	-	-	-	-	1542
1	5	18	-	29	29	29	0.00	-	-	-	-	1696

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	5	19	-	29	29	29	0.00	-	-	-	-	1733
1	5	20	-	29	29	29	0.00	-	-	-	-	1701
1	5	21	-	29	29	29	0.00	-	-	-	-	1652
1	5	22	-	29	29	29	0.00	-	-	-	-	1556
1	5	23	-	29	29	29	0.00	-	-	-	-	1420
1	5	24	-	29	29	29	0.00	-	-	-	-	1473
1	6	1	-	29	29	29	0.00	-	-	-	-	1179
1	6	2	-	29	29	29	0.00	-	-	-	-	1119
1	6	3	-	29	29	29	0.00	-	-	-	-	1084
1	6	4	-	29	29	29	0.00	-	-	-	-	1077
1	6	5	-	29	29	29	0.00	-	-	-	-	1106
1	6	6	-	29	29	29	0.00	-	-	-	-	1197
1	6	7	-	29	29	29	0.00	-	-	-	-	1345
1	6	8	-	29	29	29	0.00	-	-	-	-	1455
1	6	9	-	29	29	29	0.00	-	-	-	-	1509
1	6	10	-	29	29	29	0.00	-	-	-	-	1556
1	6	11	-	29	29	29	0.00	-	-	-	-	1588
1	6	12	-	29	29	29	0.00	-	-	-	-	1631
1	6	13	-	29	29	29	0.00	-	-	-	-	1639

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	6	14	-	29	29	29	0.00	-	-	-	-	1593
1	6	15	-	29	29	29	0.00	-	-	-	-	1585
1	6	16	-	29	29	29	0.00	-	-	-	-	1617
1	6	17	-	29	29	29	0.00	-	-	-	-	1657
1	6	18	-	29	29	29	0.00	-	-	-	-	1764
1	6	19	-	29	29	29	0.00	-	-	-	-	1785
1	6	20	-	29	29	29	0.00	-	-	-	-	1754
1	6	21	-	29	29	29	0.00	-	-	-	-	1703
1	6	22	-	29	29	29	0.00	-	-	-	-	1601
1	6	23	-	29	29	29	0.00	-	-	-	-	1456
1	6	24	-	29	29	29	0.00	-	-	-	-	1523
1	7	1	-	29	29	29	0.00	-	-	-	-	1206
1	7	2	-	29	29	29	0.00	-	-	-	-	1143
1	7	3	-	29	29	29	0.00	-	-	-	-	1106
1	7	4	-	29	29	29	0.00	-	-	-	-	1092
1	7	5	-	29	29	29	0.00	-	-	-	-	1121
1	7	6	-	29	29	29	0.00	-	-	-	-	1206
1	7	7	-	29	29	29	0.00	-	-	-	-	1361
1	7	8	-	29	29	29	0.00	-	-	-	-	1454

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	7	9	-	29	29	29	0.00	-	-	-	-	1465
1	7	10	-	29	29	29	0.00	-	-	-	-	1480
1	7	11	-	29	29	29	0.00	-	-	-	-	1495
1	7	12	-	29	29	29	0.00	-	-	-	-	1484
1	7	13	-	29	29	29	0.00	-	-	-	-	1458
1	7	14	-	29	29	29	0.00	-	-	-	-	1444
1	7	15	-	29	29	29	0.00	-	-	-	-	1431
1	7	16	-	29	29	29	0.00	-	-	-	-	1432
1	7	17	-	29	29	29	0.00	-	-	-	-	1489
1	7	18	-	29	29	29	0.00	-	-	-	-	1671
1	7	19	-	29	29	29	0.00	-	-	-	-	1721
1	7	20	-	29	29	29	0.00	-	-	-	-	1706
1	7	21	-	29	29	29	0.00	-	-	-	-	1667
1	7	22	-	29	29	29	0.00	-	-	-	-	1580
1	7	23	-	29	29	29	0.00	-	-	-	-	1450
1	7	24	-	29	29	29	0.00	-	-	-	-	1398
1	8	1	-	29	29	29	0.00	-	-	-	-	1214
1	8	2	-	29	29	29	0.00	-	-	-	-	1153
1	8	3	-	29	29	29	0.00	-	-	-	-	1120

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	8	4	-	29	29	29	0.00	-	-	-	-	1117
1	8	5	-	29	29	29	0.00	-	-	-	-	1144
1	8	6	-	29	29	29	0.00	-	-	-	-	1234
1	8	7	-	29	29	29	0.00	-	-	-	-	1398
1	8	8	-	29	29	29	0.00	-	-	-	-	1494
1	8	9	-	29	29	29	0.00	-	-	-	-	1501
1	8	10	-	29	29	29	0.00	-	-	-	-	1501
1	8	11	-	29	29	29	0.00	-	-	-	-	1493
1	8	12	-	29	29	29	0.00	-	-	-	-	1470
1	8	13	-	29	29	29	0.00	-	-	-	-	1441
1	8	14	-	29	29	29	0.00	-	-	-	-	1419
1	8	15	-	29	29	29	0.00	-	-	-	-	1401
1	8	16	-	29	29	29	0.00	-	-	-	-	1398
1	8	17	-	29	29	29	0.00	-	-	-	-	1465
1	8	18	-	29	29	29	0.00	-	-	-	-	1626
1	8	19	-	29	29	29	0.00	-	-	-	-	1664
1	8	20	-	29	29	29	0.00	-	-	-	-	1643
1	8	21	-	29	29	29	0.00	-	-	-	-	1610
1	8	22	-	29	29	29	0.00	-	-	-	-	1553

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	8	23	-	29	29	29	0.00	-	-	-	-	1452
1	8	24	-	29	29	29	0.00	-	-	-	-	1391
1	9	1	-	29	29	29	0.00	-	-	-	-	1226
1	9	2	-	29	29	29	0.00	-	-	-	-	1161
1	9	3	-	29	29	29	0.00	-	-	-	-	1121
1	9	4	-	29	29	29	0.00	-	-	-	-	1102
1	9	5	-	29	29	29	0.00	-	-	-	-	1106
1	9	6	-	29	29	29	0.00	-	-	-	-	1145
1	9	7	-	29	29	29	0.00	-	-	-	-	1210
1	9	8	-	29	29	29	0.00	-	-	-	-	1262
1	9	9	-	29	29	29	0.00	-	-	-	-	1333
1	9	10	-	29	29	29	0.00	-	-	-	-	1374
1	9	11	-	29	29	29	0.00	-	-	-	-	1380
1	9	12	-	29	29	29	0.00	-	-	-	-	1371
1	9	13	-	29	29	29	0.00	-	-	-	-	1360
1	9	14	-	29	29	29	0.00	-	-	-	-	1343
1	9	15	-	29	29	29	0.00	-	-	-	-	1336
1	9	16	-	29	29	29	0.00	-	-	-	-	1361
1	9	17	-	29	29	29	0.00	-	-	-	-	1438

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	9	18	-	29	29	29	0.00	-	-	-	-	1564
1	9	19	-	29	29	29	0.00	-	-	-	-	1579
1	9	20	-	29	29	29	0.00	-	-	-	-	1552
1	9	21	-	29	29	29	0.00	-	-	-	-	1515
1	9	22	-	29	29	29	0.00	-	-	-	-	1450
1	9	23	-	29	29	29	0.00	-	-	-	-	1360
1	9	24	-	29	29	29	0.00	-	-	-	-	1315
1	10	1	-	29	29	29	0.00	-	-	-	-	1162
1	10	2	-	29	29	29	0.00	-	-	-	-	1096
1	10	3	-	29	29	29	0.00	-	-	-	-	1053
1	10	4	-	29	29	29	0.00	-	-	-	-	1032
1	10	5	-	29	29	29	0.00	-	-	-	-	1028
1	10	6	-	29	29	29	0.00	-	-	-	-	1053
1	10	7	-	29	29	29	0.00	-	-	-	-	1097
1	10	8	-	29	29	29	0.00	-	-	-	-	1147
1	10	9	-	29	29	29	0.00	-	-	-	-	1214
1	10	10	-	29	29	29	0.00	-	-	-	-	1262
1	10	11	-	29	29	29	0.00	-	-	-	-	1274
1	10	12	-	29	29	29	0.00	-	-	-	-	1275

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	10	13	-	29	29	29	0.00	-	-	-	-	1268
1	10	14	-	29	29	29	0.00	-	-	-	-	1261
1	10	15	-	29	29	29	0.00	-	-	-	-	1275
1	10	16	-	29	29	29	0.00	-	-	-	-	1302
1	10	17	-	29	29	29	0.00	-	-	-	-	1378
1	10	18	-	29	29	29	0.00	-	-	-	-	1534
1	10	19	-	29	29	29	0.00	-	-	-	-	1571
1	10	20	-	29	29	29	0.00	-	-	-	-	1556
1	10	21	-	29	29	29	0.00	-	-	-	-	1521
1	10	22	-	29	29	29	0.00	-	-	-	-	1437
1	10	23	-	29	29	29	0.00	-	-	-	-	1316
1	10	24	-	29	29	29	0.00	-	-	-	-	1243
1	11	1	-	29	29	29	0.00	-	-	-	-	1114
1	11	2	-	29	29	29	0.00	-	-	-	-	1066
1	11	3	-	29	29	29	0.00	-	-	-	-	1040
1	11	4	-	29	29	29	0.00	-	-	-	-	1040
1	11	5	-	29	29	29	0.00	-	-	-	-	1075
1	11	6	-	29	29	29	0.00	-	-	-	-	1177
1	11	7	-	29	29	29	0.00	-	-	-	-	1354

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	11	8	-	29	29	29	0.00	-	-	-	-	1447
1	11	9	-	29	29	29	0.00	-	-	-	-	1449
1	11	10	-	29	29	29	0.00	-	-	-	-	1458
1	11	11	-	29	29	29	0.00	-	-	-	-	1459
1	11	12	-	29	29	29	0.00	-	-	-	-	1448
1	11	13	-	29	29	29	0.00	-	-	-	-	1431
1	11	14	-	29	29	29	0.00	-	-	-	-	1423
1	11	15	-	29	29	29	0.00	-	-	-	-	1413
1	11	16	-	29	29	29	0.00	-	-	-	-	1419
1	11	17	-	29	29	29	0.00	-	-	-	-	1478
1	11	18	-	29	29	29	0.00	-	-	-	-	1650
1	11	19	-	29	29	29	0.00	-	-	-	-	1694
1	11	20	-	29	29	29	0.00	-	-	-	-	1680
1	11	21	-	29	29	29	0.00	-	-	-	-	1637
1	11	22	-	29	29	29	0.00	-	-	-	-	1550
1	11	23	-	29	29	29	0.00	-	-	-	-	1412
1	11	24	-	29	29	29	0.00	-	-	-	-	1368
1	12	1	-	29	29	29	0.00	-	-	-	-	1180
1	12	2	-	29	29	29	0.00	-	-	-	-	1127

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	12	3	-	29	29	29	0.00	-	-	-	-	1098
1	12	4	-	29	29	29	0.00	-	-	-	-	1096
1	12	5	-	29	29	29	0.00	-	-	-	-	1130
1	12	6	-	29	29	29	0.00	-	-	-	-	1234
1	12	7	-	29	29	29	0.00	-	-	-	-	1410
1	12	8	-	29	29	29	0.00	-	-	-	-	1499
1	12	9	-	29	29	29	0.00	-	-	-	-	1490
1	12	10	-	29	29	29	0.00	-	-	-	-	1485
1	12	11	-	29	29	29	0.00	-	-	-	-	1473
1	12	12	-	29	29	29	0.00	-	-	-	-	1455
1	12	13	-	29	29	29	0.00	-	-	-	-	1431
1	12	14	-	29	29	29	0.00	-	-	-	-	1410
1	12	15	-	29	29	29	0.00	-	-	-	-	1394
1	12	16	-	29	29	29	0.00	-	-	-	-	1393
1	12	17	-	29	29	29	0.00	-	-	-	-	1439
1	12	18	-	29	29	29	0.00	-	-	-	-	1614
1	12	19	-	29	29	29	0.00	-	-	-	-	1665
1	12	20	-	29	29	29	0.00	-	-	-	-	1654
1	12	21	-	29	29	29	0.00	-	-	-	-	1623

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	12	22	-	29	29	29	0.00	-	-	-	-	1540
1	12	23	-	29	29	29	0.00	-	-	-	-	1404
1	12	24	-	29	29	29	0.00	-	-	-	-	1365
1	13	1	-	29	29	29	0.00	-	-	-	-	1181
1	13	2	-	29	29	29	0.00	-	-	-	-	1130
1	13	3	-	29	29	29	0.00	-	-	-	-	1102
1	13	4	-	29	29	29	0.00	-	-	-	-	1101
1	13	5	-	29	29	29	0.00	-	-	-	-	1132
1	13	6	-	29	29	29	0.00	-	-	-	-	1234
1	13	7	-	29	29	29	0.00	-	-	-	-	1406
1	13	8	-	29	29	29	0.00	-	-	-	-	1503
1	13	9	-	29	29	29	0.00	-	-	-	-	1524
1	13	10	-	29	29	29	0.00	-	-	-	-	1521
1	13	11	-	29	29	29	0.00	-	-	-	-	1505
1	13	12	-	29	29	29	0.00	-	-	-	-	1484
1	13	13	-	29	29	29	0.00	-	-	-	-	1456
1	13	14	-	29	29	29	0.00	-	-	-	-	1439
1	13	15	-	29	29	29	0.00	-	-	-	-	1420
1	13	16	-	29	29	29	0.00	-	-	-	-	1422

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	13	17	-	29	29	29	0.00	-	-	-	-	1464
1	13	18	-	29	29	29	0.00	-	-	-	-	1621
1	13	19	-	29	29	29	0.00	-	-	-	-	1674
1	13	20	-	29	29	29	0.00	-	-	-	-	1656
1	13	21	-	29	29	29	0.00	-	-	-	-	1615
1	13	22	-	29	29	29	0.00	-	-	-	-	1529
1	13	23	-	29	29	29	0.00	-	-	-	-	1390
1	13	24	-	29	29	29	0.00	-	-	-	-	1380
1	14	1	-	29	29	29	0.00	-	-	-	-	1159
1	14	2	-	29	29	29	0.00	-	-	-	-	1101
1	14	3	-	29	29	29	0.00	-	-	-	-	1067
1	14	4	-	29	29	29	0.00	-	-	-	-	1061
1	14	5	-	29	29	29	0.00	-	-	-	-	1090
1	14	6	-	29	29	29	0.00	-	-	-	-	1187
1	14	7	-	29	29	29	0.00	-	-	-	-	1355
1	14	8	-	29	29	29	0.00	-	-	-	-	1443
1	14	9	-	29	29	29	0.00	-	-	-	-	1449
1	14	10	-	29	29	29	0.00	-	-	-	-	1457
1	14	11	-	29	29	29	0.00	-	-	-	-	1467

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	14	12	-	29	29	29	0.00	-	-	-	-	1450
1	14	13	-	29	29	29	0.00	-	-	-	-	1428
1	14	14	-	29	29	29	0.00	-	-	-	-	1414
1	14	15	-	29	29	29	0.00	-	-	-	-	1396
1	14	16	-	29	29	29	0.00	-	-	-	-	1397
1	14	17	-	29	29	29	0.00	-	-	-	-	1442
1	14	18	-	29	29	29	0.00	-	-	-	-	1613
1	14	19	-	29	29	29	0.00	-	-	-	-	1661
1	14	20	-	29	29	29	0.00	-	-	-	-	1643
1	14	21	-	29	29	29	0.00	-	-	-	-	1603
1	14	22	-	29	29	29	0.00	-	-	-	-	1516
1	14	23	-	29	29	29	0.00	-	-	-	-	1383
1	14	24	-	29	29	29	0.00	-	-	-	-	1356
1	15	1	-	29	29	29	0.00	-	-	-	-	1158
1	15	2	-	29	29	29	0.00	-	-	-	-	1101
1	15	3	-	29	29	29	0.00	-	-	-	-	1066
1	15	4	-	29	29	29	0.00	-	-	-	-	1060
1	15	5	-	29	29	29	0.00	-	-	-	-	1088
1	15	6	-	29	29	29	0.00	-	-	-	-	1179

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	15	7	-	29	29	29	0.00	-	-	-	-	1340
1	15	8	-	29	29	29	0.00	-	-	-	-	1453
1	15	9	-	29	29	29	0.00	-	-	-	-	1484
1	15	10	-	29	29	29	0.00	-	-	-	-	1513
1	15	11	-	29	29	29	0.00	-	-	-	-	1514
1	15	12	-	29	29	29	0.00	-	-	-	-	1497
1	15	13	-	29	29	29	0.00	-	-	-	-	1457
1	15	14	-	29	29	29	0.00	-	-	-	-	1432
1	15	15	-	29	29	29	0.00	-	-	-	-	1401
1	15	16	-	29	29	29	0.00	-	-	-	-	1390
1	15	17	-	29	29	29	0.00	-	-	-	-	1425
1	15	18	-	29	29	29	0.00	-	-	-	-	1572
1	15	19	-	29	29	29	0.00	-	-	-	-	1612
1	15	20	-	29	29	29	0.00	-	-	-	-	1582
1	15	21	-	29	29	29	0.00	-	-	-	-	1537
1	15	22	-	29	29	29	0.00	-	-	-	-	1467
1	15	23	-	29	29	29	0.00	-	-	-	-	1366
1	15	24	-	29	29	29	0.00	-	-	-	-	1374
1	16	1	-	29	29	29	0.00	-	-	-	-	1145

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	16	2	-	29	29	29	0.00	-	-	-	-	1081
1	16	3	-	29	29	29	0.00	-	-	-	-	1040
1	16	4	-	29	29	29	0.00	-	-	-	-	1022
1	16	5	-	29	29	29	0.00	-	-	-	-	1027
1	16	6	-	29	29	29	0.00	-	-	-	-	1065
1	16	7	-	29	29	29	0.00	-	-	-	-	1131
1	16	8	-	29	29	29	0.00	-	-	-	-	1188
1	16	9	-	29	29	29	0.00	-	-	-	-	1258
1	16	10	-	29	29	29	0.00	-	-	-	-	1287
1	16	11	-	29	29	29	0.00	-	-	-	-	1302
1	16	12	-	29	29	29	0.00	-	-	-	-	1293
1	16	13	-	29	29	29	0.00	-	-	-	-	1273
1	16	14	-	29	29	29	0.00	-	-	-	-	1253
1	16	15	-	29	29	29	0.00	-	-	-	-	1236
1	16	16	-	29	29	29	0.00	-	-	-	-	1231
1	16	17	-	29	29	29	0.00	-	-	-	-	1272
1	16	18	-	29	29	29	0.00	-	-	-	-	1438
1	16	19	-	29	29	29	0.00	-	-	-	-	1482
1	16	20	-	29	29	29	0.00	-	-	-	-	1457

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	16	21	-	29	29	29	0.00	-	-	-	-	1424
1	16	22	-	29	29	29	0.00	-	-	-	-	1368
1	16	23	-	29	29	29	0.00	-	-	-	-	1283
1	16	24	-	29	29	29	0.00	-	-	-	-	1233
1	17	1	-	29	29	29	0.00	-	-	-	-	1104
1	17	2	-	29	29	29	0.00	-	-	-	-	1049
1	17	3	-	29	29	29	0.00	-	-	-	-	1015
1	17	4	-	29	29	29	0.00	-	-	-	-	998
1	17	5	-	29	29	29	0.00	-	-	-	-	998
1	17	6	-	29	29	29	0.00	-	-	-	-	1024
1	17	7	-	29	29	29	0.00	-	-	-	-	1073
1	17	8	-	29	29	29	0.00	-	-	-	-	1108
1	17	9	-	29	29	29	0.00	-	-	-	-	1152
1	17	10	-	29	29	29	0.00	-	-	-	-	1180
1	17	11	-	29	29	29	0.00	-	-	-	-	1201
1	17	12	-	29	29	29	0.00	-	-	-	-	1205
1	17	13	-	29	29	29	0.00	-	-	-	-	1196
1	17	14	-	29	29	29	0.00	-	-	-	-	1187
1	17	15	-	29	29	29	0.00	-	-	-	-	1185

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	17	16	-	29	29	29	0.00	-	-	-	-	1202
1	17	17	-	29	29	29	0.00	-	-	-	-	1245
1	17	18	-	29	29	29	0.00	-	-	-	-	1417
1	17	19	-	29	29	29	0.00	-	-	-	-	1475
1	17	20	-	29	29	29	0.00	-	-	-	-	1460
1	17	21	-	29	29	29	0.00	-	-	-	-	1430
1	17	22	-	29	29	29	0.00	-	-	-	-	1365
1	17	23	-	29	29	29	0.00	-	-	-	-	1267
1	17	24	-	29	29	29	0.00	-	-	-	-	1179
1	18	1	-	29	29	29	0.00	-	-	-	-	1077
1	18	2	-	29	29	29	0.00	-	-	-	-	1025
1	18	3	-	29	29	29	0.00	-	-	-	-	995
1	18	4	-	29	29	29	0.00	-	-	-	-	988
1	18	5	-	29	29	29	0.00	-	-	-	-	1015
1	18	6	-	29	29	29	0.00	-	-	-	-	1087
1	18	7	-	29	29	29	0.00	-	-	-	-	1197
1	18	8	-	29	29	29	0.00	-	-	-	-	1290
1	18	9	-	29	29	29	0.00	-	-	-	-	1369
1	18	10	-	29	29	29	0.00	-	-	-	-	1425

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	18	11	-	29	29	29	0.00	-	-	-	-	1447
1	18	12	-	29	29	29	0.00	-	-	-	-	1449
1	18	13	-	29	29	29	0.00	-	-	-	-	1441
1	18	14	-	29	29	29	0.00	-	-	-	-	1438
1	18	15	-	29	29	29	0.00	-	-	-	-	1431
1	18	16	-	29	29	29	0.00	-	-	-	-	1428
1	18	17	-	29	29	29	0.00	-	-	-	-	1458
1	18	18	-	29	29	29	0.00	-	-	-	-	1597
1	18	19	-	29	29	29	0.00	-	-	-	-	1643
1	18	20	-	29	29	29	0.00	-	-	-	-	1610
1	18	21	-	29	29	29	0.00	-	-	-	-	1555
1	18	22	-	29	29	29	0.00	-	-	-	-	1455
1	18	23	-	29	29	29	0.00	-	-	-	-	1319
1	18	24	-	29	29	29	0.00	-	-	-	-	1352
1	19	1	-	29	29	29	0.00	-	-	-	-	1095
1	19	2	-	29	29	29	0.00	-	-	-	-	1037
1	19	3	-	29	29	29	0.00	-	-	-	-	1004
1	19	4	-	29	29	29	0.00	-	-	-	-	998
1	19	5	-	29	29	29	0.00	-	-	-	-	1029

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	19	6	-	29	29	29	0.00	-	-	-	-	1125
1	19	7	-	29	29	29	0.00	-	-	-	-	1288
1	19	8	-	29	29	29	0.00	-	-	-	-	1378
1	19	9	-	29	29	29	0.00	-	-	-	-	1391
1	19	10	-	29	29	29	0.00	-	-	-	-	1417
1	19	11	-	29	29	29	0.00	-	-	-	-	1444
1	19	12	-	29	29	29	0.00	-	-	-	-	1460
1	19	13	-	29	29	29	0.00	-	-	-	-	1454
1	19	14	-	29	29	29	0.00	-	-	-	-	1453
1	19	15	-	29	29	29	0.00	-	-	-	-	1454
1	19	16	-	29	29	29	0.00	-	-	-	-	1462
1	19	17	-	29	29	29	0.00	-	-	-	-	1505
1	19	18	-	29	29	29	0.00	-	-	-	-	1626
1	19	19	-	29	29	29	0.00	-	-	-	-	1656
1	19	20	-	29	29	29	0.00	-	-	-	-	1622
1	19	21	-	29	29	29	0.00	-	-	-	-	1568
1	19	22	-	29	29	29	0.00	-	-	-	-	1473
1	19	23	-	29	29	29	0.00	-	-	-	-	1337
1	19	24	-	29	29	29	0.00	-	-	-	-	1361

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	20	1	-	29	29	29	0.00	-	-	-	-	1111
1	20	2	-	29	29	29	0.00	-	-	-	-	1053
1	20	3	-	29	29	29	0.00	-	-	-	-	1018
1	20	4	-	29	29	29	0.00	-	-	-	-	1010
1	20	5	-	29	29	29	0.00	-	-	-	-	1035
1	20	6	-	29	29	29	0.00	-	-	-	-	1125
1	20	7	-	29	29	29	0.00	-	-	-	-	1278
1	20	8	-	29	29	29	0.00	-	-	-	-	1365
1	20	9	-	29	29	29	0.00	-	-	-	-	1380
1	20	10	-	29	29	29	0.00	-	-	-	-	1402
1	20	11	-	29	29	29	0.00	-	-	-	-	1418
1	20	12	-	29	29	29	0.00	-	-	-	-	1420
1	20	13	-	29	29	29	0.00	-	-	-	-	1408
1	20	14	-	29	29	29	0.00	-	-	-	-	1403
1	20	15	-	29	29	29	0.00	-	-	-	-	1393
1	20	16	-	29	29	29	0.00	-	-	-	-	1387
1	20	17	-	29	29	29	0.00	-	-	-	-	1424
1	20	18	-	29	29	29	0.00	-	-	-	-	1563
1	20	19	-	29	29	29	0.00	-	-	-	-	1614

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	20	20	-	29	29	29	0.00	-	-	-	-	1583
1	20	21	-	29	29	29	0.00	-	-	-	-	1536
1	20	22	-	29	29	29	0.00	-	-	-	-	1446
1	20	23	-	29	29	29	0.00	-	-	-	-	1318
1	20	24	-	29	29	29	0.00	-	-	-	-	1319
1	21	1	-	29	29	29	0.00	-	-	-	-	1101
1	21	2	-	29	29	29	0.00	-	-	-	-	1048
1	21	3	-	29	29	29	0.00	-	-	-	-	1018
1	21	4	-	29	29	29	0.00	-	-	-	-	1010
1	21	5	-	29	29	29	0.00	-	-	-	-	1040
1	21	6	-	29	29	29	0.00	-	-	-	-	1136
1	21	7	-	29	29	29	0.00	-	-	-	-	1301
1	21	8	-	29	29	29	0.00	-	-	-	-	1389
1	21	9	-	29	29	29	0.00	-	-	-	-	1410
1	21	10	-	29	29	29	0.00	-	-	-	-	1426
1	21	11	-	29	29	29	0.00	-	-	-	-	1434
1	21	12	-	29	29	29	0.00	-	-	-	-	1434
1	21	13	-	29	29	29	0.00	-	-	-	-	1424
1	21	14	-	29	29	29	0.00	-	-	-	-	1424

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	21	15	-	29	29	29	0.00	-	-	-	-	1409
1	21	16	-	29	29	29	0.00	-	-	-	-	1394
1	21	17	-	29	29	29	0.00	-	-	-	-	1420
1	21	18	-	29	29	29	0.00	-	-	-	-	1560
1	21	19	-	29	29	29	0.00	-	-	-	-	1607
1	21	20	-	29	29	29	0.00	-	-	-	-	1577
1	21	21	-	29	29	29	0.00	-	-	-	-	1524
1	21	22	-	29	29	29	0.00	-	-	-	-	1434
1	21	23	-	29	29	29	0.00	-	-	-	-	1306
1	21	24	-	29	29	29	0.00	-	-	-	-	1332
1	22	1	-	29	29	29	0.00	-	-	-	-	1095
1	22	2	-	29	29	29	0.00	-	-	-	-	1043
1	22	3	-	29	29	29	0.00	-	-	-	-	1017
1	22	4	-	29	29	29	0.00	-	-	-	-	1013
1	22	5	-	29	29	29	0.00	-	-	-	-	1044
1	22	6	-	29	29	29	0.00	-	-	-	-	1136
1	22	7	-	29	29	29	0.00	-	-	-	-	1297
1	22	8	-	29	29	29	0.00	-	-	-	-	1382
1	22	9	-	29	29	29	0.00	-	-	-	-	1417

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	22	10	-	29	29	29	0.00	-	-	-	-	1440
1	22	11	-	29	29	29	0.00	-	-	-	-	1436
1	22	12	-	29	29	29	0.00	-	-	-	-	1429
1	22	13	-	29	29	29	0.00	-	-	-	-	1419
1	22	14	-	29	29	29	0.00	-	-	-	-	1404
1	22	15	-	29	29	29	0.00	-	-	-	-	1386
1	22	16	-	29	29	29	0.00	-	-	-	-	1374
1	22	17	-	29	29	29	0.00	-	-	-	-	1396
1	22	18	-	29	29	29	0.00	-	-	-	-	1537
1	22	19	-	29	29	29	0.00	-	-	-	-	1579
1	22	20	-	29	29	29	0.00	-	-	-	-	1545
1	22	21	-	29	29	29	0.00	-	-	-	-	1500
1	22	22	-	29	29	29	0.00	-	-	-	-	1429
1	22	23	-	29	29	29	0.00	-	-	-	-	1325
1	22	24	-	29	29	29	0.00	-	-	-	-	1338
1	23	1	-	29	29	29	0.00	-	-	-	-	1119
1	23	2	-	29	29	29	0.00	-	-	-	-	1058
1	23	3	-	29	29	29	0.00	-	-	-	-	1022
1	23	4	-	29	29	29	0.00	-	-	-	-	1004

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	23	5	-	29	29	29	0.00	-	-	-	-	1010
1	23	6	-	29	29	29	0.00	-	-	-	-	1049
1	23	7	-	29	29	29	0.00	-	-	-	-	1117
1	23	8	-	29	29	29	0.00	-	-	-	-	1175
1	23	9	-	29	29	29	0.00	-	-	-	-	1256
1	23	10	-	29	29	29	0.00	-	-	-	-	1316
1	23	11	-	29	29	29	0.00	-	-	-	-	1345
1	23	12	-	29	29	29	0.00	-	-	-	-	1340
1	23	13	-	29	29	29	0.00	-	-	-	-	1312
1	23	14	-	29	29	29	0.00	-	-	-	-	1278
1	23	15	-	29	29	29	0.00	-	-	-	-	1253
1	23	16	-	29	29	29	0.00	-	-	-	-	1246
1	23	17	-	29	29	29	0.00	-	-	-	-	1286
1	23	18	-	29	29	29	0.00	-	-	-	-	1431
1	23	19	-	29	29	29	0.00	-	-	-	-	1496
1	23	20	-	29	29	29	0.00	-	-	-	-	1475
1	23	21	-	29	29	29	0.00	-	-	-	-	1440
1	23	22	-	29	29	29	0.00	-	-	-	-	1385
1	23	23	-	29	29	29	0.00	-	-	-	-	1302

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	23	24	-	29	29	29	0.00	-	-	-	-	1267
1	24	1	-	29	29	29	0.00	-	-	-	-	1125
1	24	2	-	29	29	29	0.00	-	-	-	-	1068
1	24	3	-	29	29	29	0.00	-	-	-	-	1032
1	24	4	-	29	29	29	0.00	-	-	-	-	1016
1	24	5	-	29	29	29	0.00	-	-	-	-	1018
1	24	6	-	29	29	29	0.00	-	-	-	-	1044
1	24	7	-	29	29	29	0.00	-	-	-	-	1100
1	24	8	-	29	29	29	0.00	-	-	-	-	1137
1	24	9	-	29	29	29	0.00	-	-	-	-	1179
1	24	10	-	29	29	29	0.00	-	-	-	-	1204
1	24	11	-	29	29	29	0.00	-	-	-	-	1216
1	24	12	-	29	29	29	0.00	-	-	-	-	1215
1	24	13	-	29	29	29	0.00	-	-	-	-	1209
1	24	14	-	29	29	29	0.00	-	-	-	-	1198
1	24	15	-	29	29	29	0.00	-	-	-	-	1189
1	24	16	-	29	29	29	0.00	-	-	-	-	1192
1	24	17	-	29	29	29	0.00	-	-	-	-	1245
1	24	18	-	29	29	29	0.00	-	-	-	-	1423

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	24	19	-	29	29	29	0.00	-	-	-	-	1507
1	24	20	-	29	29	29	0.00	-	-	-	-	1494
1	24	21	-	29	29	29	0.00	-	-	-	-	1458
1	24	22	-	29	29	29	0.00	-	-	-	-	1379
1	24	23	-	29	29	29	0.00	-	-	-	-	1267
1	24	24	-	29	29	29	0.00	-	-	-	-	1188
1	25	1	-	29	29	29	0.00	-	-	-	-	1072
1	25	2	-	29	29	29	0.00	-	-	-	-	1025
1	25	3	-	29	29	29	0.00	-	-	-	-	1004
1	25	4	-	29	29	29	0.00	-	-	-	-	1005
1	25	5	-	29	29	29	0.00	-	-	-	-	1041
1	25	6	-	29	29	29	0.00	-	-	-	-	1183
1	25	7	-	29	29	29	0.00	-	-	-	-	1359
1	25	8	-	29	29	29	0.00	-	-	-	-	1445
1	25	9	-	29	29	29	0.00	-	-	-	-	1454
1	25	10	-	29	29	29	0.00	-	-	-	-	1467
1	25	11	-	29	29	29	0.00	-	-	-	-	1476
1	25	12	-	29	29	29	0.00	-	-	-	-	1470
1	25	13	-	29	29	29	0.00	-	-	-	-	1458

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	25	14	-	29	29	29	0.00	-	-	-	-	1446
1	25	15	-	29	29	29	0.00	-	-	-	-	1435
1	25	16	-	29	29	29	0.00	-	-	-	-	1425
1	25	17	-	29	29	29	0.00	-	-	-	-	1447
1	25	18	-	29	29	29	0.00	-	-	-	-	1590
1	25	19	-	29	29	29	0.00	-	-	-	-	1668
1	25	20	-	29	29	29	0.00	-	-	-	-	1644
1	25	21	-	29	29	29	0.00	-	-	-	-	1594
1	25	22	-	29	29	29	0.00	-	-	-	-	1502
1	25	23	-	29	29	29	0.00	-	-	-	-	1370
1	25	24	-	29	29	29	0.00	-	-	-	-	1375
1	26	1	-	29	29	29	0.00	-	-	-	-	1154
1	26	2	-	29	29	29	0.00	-	-	-	-	1105
1	26	3	-	29	29	29	0.00	-	-	-	-	1076
1	26	4	-	29	29	29	0.00	-	-	-	-	1071
1	26	5	-	29	29	29	0.00	-	-	-	-	1103
1	26	6	-	29	29	29	0.00	-	-	-	-	1203
1	26	7	-	29	29	29	0.00	-	-	-	-	1370
1	26	8	-	29	29	29	0.00	-	-	-	-	1438

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	26	9	-	29	29	29	0.00	-	-	-	-	1426
1	26	10	-	29	29	29	0.00	-	-	-	-	1440
1	26	11	-	29	29	29	0.00	-	-	-	-	1448
1	26	12	-	29	29	29	0.00	-	-	-	-	1449
1	26	13	-	29	29	29	0.00	-	-	-	-	1450
1	26	14	-	29	29	29	0.00	-	-	-	-	1449
1	26	15	-	29	29	29	0.00	-	-	-	-	1439
1	26	16	-	29	29	29	0.00	-	-	-	-	1435
1	26	17	-	29	29	29	0.00	-	-	-	-	1453
1	26	18	-	29	29	29	0.00	-	-	-	-	1588
1	26	19	-	29	29	29	0.00	-	-	-	-	1657
1	26	20	-	29	29	29	0.00	-	-	-	-	1633
1	26	21	-	29	29	29	0.00	-	-	-	-	1587
1	26	22	-	29	29	29	0.00	-	-	-	-	1496
1	26	23	-	29	29	29	0.00	-	-	-	-	1365
1	26	24	-	29	29	29	0.00	-	-	-	-	1366
1	27	1	-	29	29	29	0.00	-	-	-	-	1151
1	27	2	-	29	29	29	0.00	-	-	-	-	1101
1	27	3	-	29	29	29	0.00	-	-	-	-	1074

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	27	4	-	29	29	29	0.00	-	-	-	-	1068
1	27	5	-	29	29	29	0.00	-	-	-	-	1099
1	27	6	-	29	29	29	0.00	-	-	-	-	1198
1	27	7	-	29	29	29	0.00	-	-	-	-	1362
1	27	8	-	29	29	29	0.00	-	-	-	-	1448
1	27	9	-	29	29	29	0.00	-	-	-	-	1463
1	27	10	-	29	29	29	0.00	-	-	-	-	1492
1	27	11	-	29	29	29	0.00	-	-	-	-	1502
1	27	12	-	29	29	29	0.00	-	-	-	-	1498
1	27	13	-	29	29	29	0.00	-	-	-	-	1481
1	27	14	-	29	29	29	0.00	-	-	-	-	1466
1	27	15	-	29	29	29	0.00	-	-	-	-	1451
1	27	16	-	29	29	29	0.00	-	-	-	-	1446
1	27	17	-	29	29	29	0.00	-	-	-	-	1466
1	27	18	-	29	29	29	0.00	-	-	-	-	1595
1	27	19	-	29	29	29	0.00	-	-	-	-	1659
1	27	20	-	29	29	29	0.00	-	-	-	-	1633
1	27	21	-	29	29	29	0.00	-	-	-	-	1600
1	27	22	-	29	29	29	0.00	-	-	-	-	1510

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	27	23	-	29	29	29	0.00	-	-	-	-	1372
1	27	24	-	29	29	29	0.00	-	-	-	-	1397
1	28	1	-	29	29	29	0.00	-	-	-	-	1158
1	28	2	-	29	29	29	0.00	-	-	-	-	1107
1	28	3	-	29	29	29	0.00	-	-	-	-	1066
1	28	4	-	29	29	29	0.00	-	-	-	-	1057
1	28	5	-	29	29	29	0.00	-	-	-	-	1091
1	28	6	-	29	29	29	0.00	-	-	-	-	1190
1	28	7	-	29	29	29	0.00	-	-	-	-	1362
1	28	8	-	29	29	29	0.00	-	-	-	-	1441
1	28	9	-	29	29	29	0.00	-	-	-	-	1450
1	28	10	-	29	29	29	0.00	-	-	-	-	1462
1	28	11	-	29	29	29	0.00	-	-	-	-	1467
1	28	12	-	29	29	29	0.00	-	-	-	-	1468
1	28	13	-	29	29	29	0.00	-	-	-	-	1458
1	28	14	-	29	29	29	0.00	-	-	-	-	1456
1	28	15	-	29	29	29	0.00	-	-	-	-	1447
1	28	16	-	29	29	29	0.00	-	-	-	-	1437
1	28	17	-	29	29	29	0.00	-	-	-	-	1449

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	28	18	-	29	29	29	0.00	-	-	-	-	1568
1	28	19	-	29	29	29	0.00	-	-	-	-	1646
1	28	20	-	29	29	29	0.00	-	-	-	-	1597
1	28	21	-	29	29	29	0.00	-	-	-	-	1530
1	28	22	-	29	29	29	0.00	-	-	-	-	1441
1	28	23	-	29	29	29	0.00	-	-	-	-	1307
1	28	24	-	29	29	29	0.00	-	-	-	-	1372
1	29	1	-	29	29	29	0.00	-	-	-	-	1100
1	29	2	-	29	29	29	0.00	-	-	-	-	1048
1	29	3	-	29	29	29	0.00	-	-	-	-	1015
1	29	4	-	29	29	29	0.00	-	-	-	-	1008
1	29	5	-	29	29	29	0.00	-	-	-	-	1038
1	29	6	-	29	29	29	0.00	-	-	-	-	1129
1	29	7	-	29	29	29	0.00	-	-	-	-	1285
1	29	8	-	29	29	29	0.00	-	-	-	-	1366
1	29	9	-	29	29	29	0.00	-	-	-	-	1377
1	29	10	-	29	29	29	0.00	-	-	-	-	1397
1	29	11	-	29	29	29	0.00	-	-	-	-	1411
1	29	12	-	29	29	29	0.00	-	-	-	-	1414

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	29	13	-	29	29	29	0.00	-	-	-	-	1409
1	29	14	-	29	29	29	0.00	-	-	-	-	1409
1	29	15	-	29	29	29	0.00	-	-	-	-	1394
1	29	16	-	29	29	29	0.00	-	-	-	-	1380
1	29	17	-	29	29	29	0.00	-	-	-	-	1389
1	29	18	-	29	29	29	0.00	-	-	-	-	1491
1	29	19	-	29	29	29	0.00	-	-	-	-	1555
1	29	20	-	29	29	29	0.00	-	-	-	-	1517
1	29	21	-	29	29	29	0.00	-	-	-	-	1470
1	29	22	-	29	29	29	0.00	-	-	-	-	1397
1	29	23	-	29	29	29	0.00	-	-	-	-	1293
1	29	24	-	29	29	29	0.00	-	-	-	-	1321
1	30	1	-	29	29	29	0.00	-	-	-	-	1090
1	30	2	-	29	29	29	0.00	-	-	-	-	1029
1	30	3	-	29	29	29	0.00	-	-	-	-	992
1	30	4	-	29	29	29	0.00	-	-	-	-	973
1	30	5	-	29	29	29	0.00	-	-	-	-	979
1	30	6	-	29	29	29	0.00	-	-	-	-	1014
1	30	7	-	29	29	29	0.00	-	-	-	-	1074

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	30	8	-	29	29	29	0.00	-	-	-	-	1125
1	30	9	-	29	29	29	0.00	-	-	-	-	1204
1	30	10	-	29	29	29	0.00	-	-	-	-	1256
1	30	11	-	29	29	29	0.00	-	-	-	-	1279
1	30	12	-	29	29	29	0.00	-	-	-	-	1283
1	30	13	-	29	29	29	0.00	-	-	-	-	1278
1	30	14	-	29	29	29	0.00	-	-	-	-	1259
1	30	15	-	29	29	29	0.00	-	-	-	-	1243
1	30	16	-	29	29	29	0.00	-	-	-	-	1233
1	30	17	-	29	29	29	0.00	-	-	-	-	1256
1	30	18	-	29	29	29	0.00	-	-	-	-	1386
1	30	19	-	29	29	29	0.00	-	-	-	-	1462
1	30	20	-	29	29	29	0.00	-	-	-	-	1437
1	30	21	-	29	29	29	0.00	-	-	-	-	1402
1	30	22	-	29	29	29	0.00	-	-	-	-	1339
1	30	23	-	29	29	29	0.00	-	-	-	-	1252
1	30	24	-	29	29	29	0.00	-	-	-	-	1231
1	31	1	-	29	29	29	0.00	-	-	-	-	1045
1	31	2	-	29	29	29	0.00	-	-	-	-	991

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	31	3	-	29	29	29	0.00	-	-	-	-	954
1	31	4	-	29	29	29	0.00	-	-	-	-	935
1	31	5	-	29	29	29	0.00	-	-	-	-	933
1	31	6	-	29	29	29	0.00	-	-	-	-	953
1	31	7	-	29	29	29	0.00	-	-	-	-	995
1	31	8	-	29	29	29	0.00	-	-	-	-	1045
1	31	9	-	29	29	29	0.00	-	-	-	-	1131
1	31	10	-	29	29	29	0.00	-	-	-	-	1203
1	31	11	-	29	29	29	0.00	-	-	-	-	1247
1	31	12	-	29	29	29	0.00	-	-	-	-	1271
1	31	13	-	29	29	29	0.00	-	-	-	-	1257
1	31	14	-	29	29	29	0.00	-	-	-	-	1205
1	31	15	-	29	29	29	0.00	-	-	-	-	1141
1	31	16	-	29	29	29	0.00	-	-	-	-	1154
1	31	17	-	29	29	29	0.00	-	-	-	-	1217
1	31	18	-	29	29	29	0.00	-	-	-	-	1367
1	31	19	-	29	29	29	0.00	-	-	-	-	1478
1	31	20	-	29	29	29	0.00	-	-	-	-	1473
1	31	21	-	29	29	29	0.00	-	-	-	-	1456

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
1	31	22	-	29	29	29	0.00	-	-	-	-	1397
1	31	23	-	29	29	29	0.00	-	-	-	-	1287
1	31	24	-	29	29	29	0.00	-	-	-	-	1221
2	1	1	-	47	47	47	0.00	-	-	-	-	1108
2	1	2	-	47	47	47	0.00	-	-	-	-	1056
2	1	3	-	47	47	47	0.00	-	-	-	-	1029
2	1	4	-	47	47	47	0.00	-	-	-	-	1026
2	1	5	-	47	47	47	0.00	-	-	-	-	1063
2	1	6	-	47	47	47	0.00	-	-	-	-	1166
2	1	7	-	47	47	47	0.00	-	-	-	-	1334
2	1	8	-	47	47	47	0.00	-	-	-	-	1415
2	1	9	-	47	47	47	0.00	-	-	-	-	1427
2	1	10	-	47	47	47	0.00	-	-	-	-	1443
2	1	11	-	47	47	47	0.00	-	-	-	-	1438
2	1	12	-	47	47	47	0.00	-	-	-	-	1425
2	1	13	-	47	47	47	0.00	-	-	-	-	1402
2	1	14	-	47	47	47	0.00	-	-	-	-	1382
2	1	15	-	47	47	47	0.00	-	-	-	-	1363
2	1	16	-	47	47	47	0.00	-	-	-	-	1357

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	1	17	-	47	47	47	0.00	-	-	-	-	1401
2	1	18	-	47	47	47	0.00	-	-	-	-	1570
2	1	19	-	47	47	47	0.00	-	-	-	-	1692
2	1	20	-	47	47	47	0.00	-	-	-	-	1688
2	1	21	-	47	47	47	0.00	-	-	-	-	1652
2	1	22	-	47	47	47	0.00	-	-	-	-	1558
2	1	23	-	47	47	47	0.00	-	-	-	-	1415
2	1	24	-	47	47	47	0.00	-	-	-	-	1353
2	2	1	-	47	47	47	0.00	-	-	-	-	1194
2	2	2	-	47	47	47	0.00	-	-	-	-	1145
2	2	3	-	47	47	47	0.00	-	-	-	-	1114
2	2	4	-	47	47	47	0.00	-	-	-	-	1113
2	2	5	-	47	47	47	0.00	-	-	-	-	1147
2	2	6	-	47	47	47	0.00	-	-	-	-	1259
2	2	7	-	47	47	47	0.00	-	-	-	-	1435
2	2	8	-	47	47	47	0.00	-	-	-	-	1510
2	2	9	-	47	47	47	0.00	-	-	-	-	1491
2	2	10	-	47	47	47	0.00	-	-	-	-	1482
2	2	11	-	47	47	47	0.00	-	-	-	-	1463

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	2	12	-	47	47	47	0.00	-	-	-	-	1438
2	2	13	-	47	47	47	0.00	-	-	-	-	1412
2	2	14	-	47	47	47	0.00	-	-	-	-	1394
2	2	15	-	47	47	47	0.00	-	-	-	-	1375
2	2	16	-	47	47	47	0.00	-	-	-	-	1367
2	2	17	-	47	47	47	0.00	-	-	-	-	1397
2	2	18	-	47	47	47	0.00	-	-	-	-	1548
2	2	19	-	47	47	47	0.00	-	-	-	-	1658
2	2	20	-	47	47	47	0.00	-	-	-	-	1653
2	2	21	-	47	47	47	0.00	-	-	-	-	1617
2	2	22	-	47	47	47	0.00	-	-	-	-	1534
2	2	23	-	47	47	47	0.00	-	-	-	-	1398
2	2	24	-	47	47	47	0.00	-	-	-	-	1352
2	3	1	-	47	47	47	0.00	-	-	-	-	1171
2	3	2	-	47	47	47	0.00	-	-	-	-	1118
2	3	3	-	47	47	47	0.00	-	-	-	-	1087
2	3	4	-	47	47	47	0.00	-	-	-	-	1085
2	3	5	-	47	47	47	0.00	-	-	-	-	1117
2	3	6	-	47	47	47	0.00	-	-	-	-	1224

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	3	7	-	47	47	47	0.00	-	-	-	-	1391
2	3	8	-	47	47	47	0.00	-	-	-	-	1465
2	3	9	-	47	47	47	0.00	-	-	-	-	1450
2	3	10	-	47	47	47	0.00	-	-	-	-	1444
2	3	11	-	47	47	47	0.00	-	-	-	-	1433
2	3	12	-	47	47	47	0.00	-	-	-	-	1416
2	3	13	-	47	47	47	0.00	-	-	-	-	1393
2	3	14	-	47	47	47	0.00	-	-	-	-	1377
2	3	15	-	47	47	47	0.00	-	-	-	-	1360
2	3	16	-	47	47	47	0.00	-	-	-	-	1353
2	3	17	-	47	47	47	0.00	-	-	-	-	1376
2	3	18	-	47	47	47	0.00	-	-	-	-	1515
2	3	19	-	47	47	47	0.00	-	-	-	-	1629
2	3	20	-	47	47	47	0.00	-	-	-	-	1621
2	3	21	-	47	47	47	0.00	-	-	-	-	1587
2	3	22	-	47	47	47	0.00	-	-	-	-	1501
2	3	23	-	47	47	47	0.00	-	-	-	-	1369
2	3	24	-	47	47	47	0.00	-	-	-	-	1330
2	4	1	-	47	47	47	0.00	-	-	-	-	1152

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	4	2	-	47	47	47	0.00	-	-	-	-	1100
2	4	3	-	47	47	47	0.00	-	-	-	-	1071
2	4	4	-	47	47	47	0.00	-	-	-	-	1069
2	4	5	-	47	47	47	0.00	-	-	-	-	1106
2	4	6	-	47	47	47	0.00	-	-	-	-	1208
2	4	7	-	47	47	47	0.00	-	-	-	-	1378
2	4	8	-	47	47	47	0.00	-	-	-	-	1447
2	4	9	-	47	47	47	0.00	-	-	-	-	1438
2	4	10	-	47	47	47	0.00	-	-	-	-	1448
2	4	11	-	47	47	47	0.00	-	-	-	-	1438
2	4	12	-	47	47	47	0.00	-	-	-	-	1422
2	4	13	-	47	47	47	0.00	-	-	-	-	1401
2	4	14	-	47	47	47	0.00	-	-	-	-	1385
2	4	15	-	47	47	47	0.00	-	-	-	-	1366
2	4	16	-	47	47	47	0.00	-	-	-	-	1362
2	4	17	-	47	47	47	0.00	-	-	-	-	1376
2	4	18	-	47	47	47	0.00	-	-	-	-	1497
2	4	19	-	47	47	47	0.00	-	-	-	-	1601
2	4	20	-	47	47	47	0.00	-	-	-	-	1590

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	4	21	-	47	47	47	0.00	-	-	-	-	1554
2	4	22	-	47	47	47	0.00	-	-	-	-	1467
2	4	23	-	47	47	47	0.00	-	-	-	-	1338
2	4	24	-	47	47	47	0.00	-	-	-	-	1325
2	5	1	-	47	47	47	0.00	-	-	-	-	1126
2	5	2	-	47	47	47	0.00	-	-	-	-	1072
2	5	3	-	47	47	47	0.00	-	-	-	-	1040
2	5	4	-	47	47	47	0.00	-	-	-	-	1031
2	5	5	-	47	47	47	0.00	-	-	-	-	1063
2	5	6	-	47	47	47	0.00	-	-	-	-	1157
2	5	7	-	47	47	47	0.00	-	-	-	-	1313
2	5	8	-	47	47	47	0.00	-	-	-	-	1380
2	5	9	-	47	47	47	0.00	-	-	-	-	1384
2	5	10	-	47	47	47	0.00	-	-	-	-	1396
2	5	11	-	47	47	47	0.00	-	-	-	-	1405
2	5	12	-	47	47	47	0.00	-	-	-	-	1404
2	5	13	-	47	47	47	0.00	-	-	-	-	1389
2	5	14	-	47	47	47	0.00	-	-	-	-	1386
2	5	15	-	47	47	47	0.00	-	-	-	-	1373

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	5	16	-	47	47	47	0.00	-	-	-	-	1366
2	5	17	-	47	47	47	0.00	-	-	-	-	1371
2	5	18	-	47	47	47	0.00	-	-	-	-	1462
2	5	19	-	47	47	47	0.00	-	-	-	-	1541
2	5	20	-	47	47	47	0.00	-	-	-	-	1512
2	5	21	-	47	47	47	0.00	-	-	-	-	1468
2	5	22	-	47	47	47	0.00	-	-	-	-	1398
2	5	23	-	47	47	47	0.00	-	-	-	-	1297
2	5	24	-	47	47	47	0.00	-	-	-	-	1304
2	6	1	-	47	47	47	0.00	-	-	-	-	1100
2	6	2	-	47	47	47	0.00	-	-	-	-	1044
2	6	3	-	47	47	47	0.00	-	-	-	-	1008
2	6	4	-	47	47	47	0.00	-	-	-	-	992
2	6	5	-	47	47	47	0.00	-	-	-	-	1002
2	6	6	-	47	47	47	0.00	-	-	-	-	1044
2	6	7	-	47	47	47	0.00	-	-	-	-	1108
2	6	8	-	47	47	47	0.00	-	-	-	-	1151
2	6	9	-	47	47	47	0.00	-	-	-	-	1205
2	6	10	-	47	47	47	0.00	-	-	-	-	1245

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	6	11	-	47	47	47	0.00	-	-	-	-	1262
2	6	12	-	47	47	47	0.00	-	-	-	-	1262
2	6	13	-	47	47	47	0.00	-	-	-	-	1255
2	6	14	-	47	47	47	0.00	-	-	-	-	1239
2	6	15	-	47	47	47	0.00	-	-	-	-	1226
2	6	16	-	47	47	47	0.00	-	-	-	-	1221
2	6	17	-	47	47	47	0.00	-	-	-	-	1239
2	6	18	-	47	47	47	0.00	-	-	-	-	1343
2	6	19	-	47	47	47	0.00	-	-	-	-	1439
2	6	20	-	47	47	47	0.00	-	-	-	-	1421
2	6	21	-	47	47	47	0.00	-	-	-	-	1383
2	6	22	-	47	47	47	0.00	-	-	-	-	1324
2	6	23	-	47	47	47	0.00	-	-	-	-	1240
2	6	24	-	47	47	47	0.00	-	-	-	-	1206
2	7	1	-	47	47	47	0.00	-	-	-	-	1069
2	7	2	-	47	47	47	0.00	-	-	-	-	1016
2	7	3	-	47	47	47	0.00	-	-	-	-	983
2	7	4	-	47	47	47	0.00	-	-	-	-	965
2	7	5	-	47	47	47	0.00	-	-	-	-	967

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	7	6	-	47	47	47	0.00	-	-	-	-	990
2	7	7	-	47	47	47	0.00	-	-	-	-	1034
2	7	8	-	47	47	47	0.00	-	-	-	-	1060
2	7	9	-	47	47	47	0.00	-	-	-	-	1108
2	7	10	-	47	47	47	0.00	-	-	-	-	1154
2	7	11	-	47	47	47	0.00	-	-	-	-	1188
2	7	12	-	47	47	47	0.00	-	-	-	-	1213
2	7	13	-	47	47	47	0.00	-	-	-	-	1233
2	7	14	-	47	47	47	0.00	-	-	-	-	1246
2	7	15	-	47	47	47	0.00	-	-	-	-	1254
2	7	16	-	47	47	47	0.00	-	-	-	-	1256
2	7	17	-	47	47	47	0.00	-	-	-	-	1265
2	7	18	-	47	47	47	0.00	-	-	-	-	1344
2	7	19	-	47	47	47	0.00	-	-	-	-	1430
2	7	20	-	47	47	47	0.00	-	-	-	-	1416
2	7	21	-	47	47	47	0.00	-	-	-	-	1404
2	7	22	-	47	47	47	0.00	-	-	-	-	1330
2	7	23	-	47	47	47	0.00	-	-	-	-	1217
2	7	24	-	47	47	47	0.00	-	-	-	-	1185

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	8	1	-	47	47	47	0.00	-	-	-	-	1032
2	8	2	-	47	47	47	0.00	-	-	-	-	985
2	8	3	-	47	47	47	0.00	-	-	-	-	959
2	8	4	-	47	47	47	0.00	-	-	-	-	956
2	8	5	-	47	47	47	0.00	-	-	-	-	988
2	8	6	-	47	47	47	0.00	-	-	-	-	1073
2	8	7	-	47	47	47	0.00	-	-	-	-	1209
2	8	8	-	47	47	47	0.00	-	-	-	-	1282
2	8	9	-	47	47	47	0.00	-	-	-	-	1328
2	8	10	-	47	47	47	0.00	-	-	-	-	1390
2	8	11	-	47	47	47	0.00	-	-	-	-	1445
2	8	12	-	47	47	47	0.00	-	-	-	-	1476
2	8	13	-	47	47	47	0.00	-	-	-	-	1498
2	8	14	-	47	47	47	0.00	-	-	-	-	1520
2	8	15	-	47	47	47	0.00	-	-	-	-	1531
2	8	16	-	47	47	47	0.00	-	-	-	-	1537
2	8	17	-	47	47	47	0.00	-	-	-	-	1539
2	8	18	-	47	47	47	0.00	-	-	-	-	1592
2	8	19	-	47	47	47	0.00	-	-	-	-	1665

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	8	20	-	47	47	47	0.00	-	-	-	-	1619
2	8	21	-	47	47	47	0.00	-	-	-	-	1548
2	8	22	-	47	47	47	0.00	-	-	-	-	1437
2	8	23	-	47	47	47	0.00	-	-	-	-	1296
2	8	24	-	47	47	47	0.00	-	-	-	-	1366
2	9	1	-	47	47	47	0.00	-	-	-	-	1071
2	9	2	-	47	47	47	0.00	-	-	-	-	1016
2	9	3	-	47	47	47	0.00	-	-	-	-	981
2	9	4	-	47	47	47	0.00	-	-	-	-	974
2	9	5	-	47	47	47	0.00	-	-	-	-	999
2	9	6	-	47	47	47	0.00	-	-	-	-	1082
2	9	7	-	47	47	47	0.00	-	-	-	-	1219
2	9	8	-	47	47	47	0.00	-	-	-	-	1293
2	9	9	-	47	47	47	0.00	-	-	-	-	1344
2	9	10	-	47	47	47	0.00	-	-	-	-	1409
2	9	11	-	47	47	47	0.00	-	-	-	-	1470
2	9	12	-	47	47	47	0.00	-	-	-	-	1519
2	9	13	-	47	47	47	0.00	-	-	-	-	1552
2	9	14	-	47	47	47	0.00	-	-	-	-	1584

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	9	15	-	47	47	47	0.00	-	-	-	-	1604
2	9	16	-	47	47	47	0.00	-	-	-	-	1615
2	9	17	-	47	47	47	0.00	-	-	-	-	1614
2	9	18	-	47	47	47	0.00	-	-	-	-	1646
2	9	19	-	47	47	47	0.00	-	-	-	-	1690
2	9	20	-	47	47	47	0.00	-	-	-	-	1635
2	9	21	-	47	47	47	0.00	-	-	-	-	1559
2	9	22	-	47	47	47	0.00	-	-	-	-	1445
2	9	23	-	47	47	47	0.00	-	-	-	-	1297
2	9	24	-	47	47	47	0.00	-	-	-	-	1413
2	10	1	-	47	47	47	0.00	-	-	-	-	1068
2	10	2	-	47	47	47	0.00	-	-	-	-	1010
2	10	3	-	47	47	47	0.00	-	-	-	-	976
2	10	4	-	47	47	47	0.00	-	-	-	-	969
2	10	5	-	47	47	47	0.00	-	-	-	-	991
2	10	6	-	47	47	47	0.00	-	-	-	-	1075
2	10	7	-	47	47	47	0.00	-	-	-	-	1216
2	10	8	-	47	47	47	0.00	-	-	-	-	1289
2	10	9	-	47	47	47	0.00	-	-	-	-	1323

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	10	10	-	47	47	47	0.00	-	-	-	-	1385
2	10	11	-	47	47	47	0.00	-	-	-	-	1444
2	10	12	-	47	47	47	0.00	-	-	-	-	1492
2	10	13	-	47	47	47	0.00	-	-	-	-	1525
2	10	14	-	47	47	47	0.00	-	-	-	-	1557
2	10	15	-	47	47	47	0.00	-	-	-	-	1573
2	10	16	-	47	47	47	0.00	-	-	-	-	1578
2	10	17	-	47	47	47	0.00	-	-	-	-	1563
2	10	18	-	47	47	47	0.00	-	-	-	-	1592
2	10	19	-	47	47	47	0.00	-	-	-	-	1645
2	10	20	-	47	47	47	0.00	-	-	-	-	1596
2	10	21	-	47	47	47	0.00	-	-	-	-	1528
2	10	22	-	47	47	47	0.00	-	-	-	-	1424
2	10	23	-	47	47	47	0.00	-	-	-	-	1280
2	10	24	-	47	47	47	0.00	-	-	-	-	1384
2	11	1	-	47	47	47	0.00	-	-	-	-	1065
2	11	2	-	47	47	47	0.00	-	-	-	-	1011
2	11	3	-	47	47	47	0.00	-	-	-	-	979
2	11	4	-	47	47	47	0.00	-	-	-	-	972

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	11	5	-	47	47	47	0.00	-	-	-	-	994
2	11	6	-	47	47	47	0.00	-	-	-	-	1078
2	11	7	-	47	47	47	0.00	-	-	-	-	1222
2	11	8	-	47	47	47	0.00	-	-	-	-	1291
2	11	9	-	47	47	47	0.00	-	-	-	-	1328
2	11	10	-	47	47	47	0.00	-	-	-	-	1386
2	11	11	-	47	47	47	0.00	-	-	-	-	1441
2	11	12	-	47	47	47	0.00	-	-	-	-	1482
2	11	13	-	47	47	47	0.00	-	-	-	-	1512
2	11	14	-	47	47	47	0.00	-	-	-	-	1546
2	11	15	-	47	47	47	0.00	-	-	-	-	1563
2	11	16	-	47	47	47	0.00	-	-	-	-	1562
2	11	17	-	47	47	47	0.00	-	-	-	-	1553
2	11	18	-	47	47	47	0.00	-	-	-	-	1579
2	11	19	-	47	47	47	0.00	-	-	-	-	1633
2	11	20	-	47	47	47	0.00	-	-	-	-	1587
2	11	21	-	47	47	47	0.00	-	-	-	-	1517
2	11	22	-	47	47	47	0.00	-	-	-	-	1420
2	11	23	-	47	47	47	0.00	-	-	-	-	1282

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	11	24	-	47	47	47	0.00	-	-	-	-	1377
2	12	1	-	47	47	47	0.00	-	-	-	-	1063
2	12	2	-	47	47	47	0.00	-	-	-	-	1006
2	12	3	-	47	47	47	0.00	-	-	-	-	973
2	12	4	-	47	47	47	0.00	-	-	-	-	965
2	12	5	-	47	47	47	0.00	-	-	-	-	986
2	12	6	-	47	47	47	0.00	-	-	-	-	1065
2	12	7	-	47	47	47	0.00	-	-	-	-	1194
2	12	8	-	47	47	47	0.00	-	-	-	-	1263
2	12	9	-	47	47	47	0.00	-	-	-	-	1313
2	12	10	-	47	47	47	0.00	-	-	-	-	1366
2	12	11	-	47	47	47	0.00	-	-	-	-	1412
2	12	12	-	47	47	47	0.00	-	-	-	-	1447
2	12	13	-	47	47	47	0.00	-	-	-	-	1474
2	12	14	-	47	47	47	0.00	-	-	-	-	1496
2	12	15	-	47	47	47	0.00	-	-	-	-	1512
2	12	16	-	47	47	47	0.00	-	-	-	-	1509
2	12	17	-	47	47	47	0.00	-	-	-	-	1490
2	12	18	-	47	47	47	0.00	-	-	-	-	1524

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	12	19	-	47	47	47	0.00	-	-	-	-	1581
2	12	20	-	47	47	47	0.00	-	-	-	-	1529
2	12	21	-	47	47	47	0.00	-	-	-	-	1465
2	12	22	-	47	47	47	0.00	-	-	-	-	1384
2	12	23	-	47	47	47	0.00	-	-	-	-	1268
2	12	24	-	47	47	47	0.00	-	-	-	-	1352
2	13	1	-	47	47	47	0.00	-	-	-	-	1059
2	13	2	-	47	47	47	0.00	-	-	-	-	1000
2	13	3	-	47	47	47	0.00	-	-	-	-	962
2	13	4	-	47	47	47	0.00	-	-	-	-	935
2	13	5	-	47	47	47	0.00	-	-	-	-	938
2	13	6	-	47	47	47	0.00	-	-	-	-	976
2	13	7	-	47	47	47	0.00	-	-	-	-	1030
2	13	8	-	47	47	47	0.00	-	-	-	-	1066
2	13	9	-	47	47	47	0.00	-	-	-	-	1135
2	13	10	-	47	47	47	0.00	-	-	-	-	1199
2	13	11	-	47	47	47	0.00	-	-	-	-	1239
2	13	12	-	47	47	47	0.00	-	-	-	-	1261
2	13	13	-	47	47	47	0.00	-	-	-	-	1267

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	13	14	-	47	47	47	0.00	-	-	-	-	1260
2	13	15	-	47	47	47	0.00	-	-	-	-	1252
2	13	16	-	47	47	47	0.00	-	-	-	-	1250
2	13	17	-	47	47	47	0.00	-	-	-	-	1260
2	13	18	-	47	47	47	0.00	-	-	-	-	1338
2	13	19	-	47	47	47	0.00	-	-	-	-	1435
2	13	20	-	47	47	47	0.00	-	-	-	-	1412
2	13	21	-	47	47	47	0.00	-	-	-	-	1368
2	13	22	-	47	47	47	0.00	-	-	-	-	1301
2	13	23	-	47	47	47	0.00	-	-	-	-	1213
2	13	24	-	47	47	47	0.00	-	-	-	-	1208
2	14	1	-	47	47	47	0.00	-	-	-	-	1044
2	14	2	-	47	47	47	0.00	-	-	-	-	988
2	14	3	-	47	47	47	0.00	-	-	-	-	953
2	14	4	-	47	47	47	0.00	-	-	-	-	935
2	14	5	-	47	47	47	0.00	-	-	-	-	931
2	14	6	-	47	47	47	0.00	-	-	-	-	951
2	14	7	-	47	47	47	0.00	-	-	-	-	986
2	14	8	-	47	47	47	0.00	-	-	-	-	1010

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	14	9	-	47	47	47	0.00	-	-	-	-	1065
2	14	10	-	47	47	47	0.00	-	-	-	-	1118
2	14	11	-	47	47	47	0.00	-	-	-	-	1154
2	14	12	-	47	47	47	0.00	-	-	-	-	1182
2	14	13	-	47	47	47	0.00	-	-	-	-	1198
2	14	14	-	47	47	47	0.00	-	-	-	-	1209
2	14	15	-	47	47	47	0.00	-	-	-	-	1223
2	14	16	-	47	47	47	0.00	-	-	-	-	1234
2	14	17	-	47	47	47	0.00	-	-	-	-	1257
2	14	18	-	47	47	47	0.00	-	-	-	-	1343
2	14	19	-	47	47	47	0.00	-	-	-	-	1456
2	14	20	-	47	47	47	0.00	-	-	-	-	1438
2	14	21	-	47	47	47	0.00	-	-	-	-	1395
2	14	22	-	47	47	47	0.00	-	-	-	-	1322
2	14	23	-	47	47	47	0.00	-	-	-	-	1229
2	14	24	-	47	47	47	0.00	-	-	-	-	1173
2	15	1	-	47	47	47	0.00	-	-	-	-	1042
2	15	2	-	47	47	47	0.00	-	-	-	-	991
2	15	3	-	47	47	47	0.00	-	-	-	-	957

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	15	4	-	47	47	47	0.00	-	-	-	-	948
2	15	5	-	47	47	47	0.00	-	-	-	-	965
2	15	6	-	47	47	47	0.00	-	-	-	-	1025
2	15	7	-	47	47	47	0.00	-	-	-	-	1106
2	15	8	-	47	47	47	0.00	-	-	-	-	1166
2	15	9	-	47	47	47	0.00	-	-	-	-	1260
2	15	10	-	47	47	47	0.00	-	-	-	-	1347
2	15	11	-	47	47	47	0.00	-	-	-	-	1417
2	15	12	-	47	47	47	0.00	-	-	-	-	1469
2	15	13	-	47	47	47	0.00	-	-	-	-	1504
2	15	14	-	47	47	47	0.00	-	-	-	-	1542
2	15	15	-	47	47	47	0.00	-	-	-	-	1575
2	15	16	-	47	47	47	0.00	-	-	-	-	1599
2	15	17	-	47	47	47	0.00	-	-	-	-	1604
2	15	18	-	47	47	47	0.00	-	-	-	-	1630
2	15	19	-	47	47	47	0.00	-	-	-	-	1692
2	15	20	-	47	47	47	0.00	-	-	-	-	1638
2	15	21	-	47	47	47	0.00	-	-	-	-	1562
2	15	22	-	47	47	47	0.00	-	-	-	-	1455

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	15	23	-	47	47	47	0.00	-	-	-	-	1310
2	15	24	-	47	47	47	0.00	-	-	-	-	1388
2	16	1	-	47	47	47	0.00	-	-	-	-	1086
2	16	2	-	47	47	47	0.00	-	-	-	-	1024
2	16	3	-	47	47	47	0.00	-	-	-	-	989
2	16	4	-	47	47	47	0.00	-	-	-	-	975
2	16	5	-	47	47	47	0.00	-	-	-	-	999
2	16	6	-	47	47	47	0.00	-	-	-	-	1081
2	16	7	-	47	47	47	0.00	-	-	-	-	1207
2	16	8	-	47	47	47	0.00	-	-	-	-	1280
2	16	9	-	47	47	47	0.00	-	-	-	-	1342
2	16	10	-	47	47	47	0.00	-	-	-	-	1423
2	16	11	-	47	47	47	0.00	-	-	-	-	1502
2	16	12	-	47	47	47	0.00	-	-	-	-	1564
2	16	13	-	47	47	47	0.00	-	-	-	-	1611
2	16	14	-	47	47	47	0.00	-	-	-	-	1661
2	16	15	-	47	47	47	0.00	-	-	-	-	1697
2	16	16	-	47	47	47	0.00	-	-	-	-	1713
2	16	17	-	47	47	47	0.00	-	-	-	-	1696

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	16	18	-	47	47	47	0.00	-	-	-	-	1684
2	16	19	-	47	47	47	0.00	-	-	-	-	1723
2	16	20	-	47	47	47	0.00	-	-	-	-	1662
2	16	21	-	47	47	47	0.00	-	-	-	-	1577
2	16	22	-	47	47	47	0.00	-	-	-	-	1456
2	16	23	-	47	47	47	0.00	-	-	-	-	1307
2	16	24	-	47	47	47	0.00	-	-	-	-	1452
2	17	1	-	47	47	47	0.00	-	-	-	-	1078
2	17	2	-	47	47	47	0.00	-	-	-	-	1019
2	17	3	-	47	47	47	0.00	-	-	-	-	986
2	17	4	-	47	47	47	0.00	-	-	-	-	974
2	17	5	-	47	47	47	0.00	-	-	-	-	992
2	17	6	-	47	47	47	0.00	-	-	-	-	1070
2	17	7	-	47	47	47	0.00	-	-	-	-	1194
2	17	8	-	47	47	47	0.00	-	-	-	-	1264
2	17	9	-	47	47	47	0.00	-	-	-	-	1314
2	17	10	-	47	47	47	0.00	-	-	-	-	1382
2	17	11	-	47	47	47	0.00	-	-	-	-	1430
2	17	12	-	47	47	47	0.00	-	-	-	-	1457

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	17	13	-	47	47	47	0.00	-	-	-	-	1465
2	17	14	-	47	47	47	0.00	-	-	-	-	1465
2	17	15	-	47	47	47	0.00	-	-	-	-	1455
2	17	16	-	47	47	47	0.00	-	-	-	-	1456
2	17	17	-	47	47	47	0.00	-	-	-	-	1477
2	17	18	-	47	47	47	0.00	-	-	-	-	1543
2	17	19	-	47	47	47	0.00	-	-	-	-	1586
2	17	20	-	47	47	47	0.00	-	-	-	-	1555
2	17	21	-	47	47	47	0.00	-	-	-	-	1500
2	17	22	-	47	47	47	0.00	-	-	-	-	1403
2	17	23	-	47	47	47	0.00	-	-	-	-	1267
2	17	24	-	47	47	47	0.00	-	-	-	-	1348
2	18	1	-	47	47	47	0.00	-	-	-	-	1057
2	18	2	-	47	47	47	0.00	-	-	-	-	1006
2	18	3	-	47	47	47	0.00	-	-	-	-	975
2	18	4	-	47	47	47	0.00	-	-	-	-	962
2	18	5	-	47	47	47	0.00	-	-	-	-	984
2	18	6	-	47	47	47	0.00	-	-	-	-	1080
2	18	7	-	47	47	47	0.00	-	-	-	-	1210

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	18	8	-	47	47	47	0.00	-	-	-	-	1293
2	18	9	-	47	47	47	0.00	-	-	-	-	1324
2	18	10	-	47	47	47	0.00	-	-	-	-	1354
2	18	11	-	47	47	47	0.00	-	-	-	-	1376
2	18	12	-	47	47	47	0.00	-	-	-	-	1383
2	18	13	-	47	47	47	0.00	-	-	-	-	1380
2	18	14	-	47	47	47	0.00	-	-	-	-	1382
2	18	15	-	47	47	47	0.00	-	-	-	-	1371
2	18	16	-	47	47	47	0.00	-	-	-	-	1363
2	18	17	-	47	47	47	0.00	-	-	-	-	1361
2	18	18	-	47	47	47	0.00	-	-	-	-	1426
2	18	19	-	47	47	47	0.00	-	-	-	-	1541
2	18	20	-	47	47	47	0.00	-	-	-	-	1526
2	18	21	-	47	47	47	0.00	-	-	-	-	1477
2	18	22	-	47	47	47	0.00	-	-	-	-	1386
2	18	23	-	47	47	47	0.00	-	-	-	-	1255
2	18	24	-	47	47	47	0.00	-	-	-	-	1283
2	19	1	-	47	47	47	0.00	-	-	-	-	1051
2	19	2	-	47	47	47	0.00	-	-	-	-	1000

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	19	3	-	47	47	47	0.00	-	-	-	-	969
2	19	4	-	47	47	47	0.00	-	-	-	-	963
2	19	5	-	47	47	47	0.00	-	-	-	-	990
2	19	6	-	47	47	47	0.00	-	-	-	-	1073
2	19	7	-	47	47	47	0.00	-	-	-	-	1204
2	19	8	-	47	47	47	0.00	-	-	-	-	1271
2	19	9	-	47	47	47	0.00	-	-	-	-	1301
2	19	10	-	47	47	47	0.00	-	-	-	-	1335
2	19	11	-	47	47	47	0.00	-	-	-	-	1360
2	19	12	-	47	47	47	0.00	-	-	-	-	1372
2	19	13	-	47	47	47	0.00	-	-	-	-	1368
2	19	14	-	47	47	47	0.00	-	-	-	-	1370
2	19	15	-	47	47	47	0.00	-	-	-	-	1360
2	19	16	-	47	47	47	0.00	-	-	-	-	1345
2	19	17	-	47	47	47	0.00	-	-	-	-	1349
2	19	18	-	47	47	47	0.00	-	-	-	-	1411
2	19	19	-	47	47	47	0.00	-	-	-	-	1516
2	19	20	-	47	47	47	0.00	-	-	-	-	1487
2	19	21	-	47	47	47	0.00	-	-	-	-	1440

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	19	22	-	47	47	47	0.00	-	-	-	-	1369
2	19	23	-	47	47	47	0.00	-	-	-	-	1264
2	19	24	-	47	47	47	0.00	-	-	-	-	1280
2	20	1	-	47	47	47	0.00	-	-	-	-	1067
2	20	2	-	47	47	47	0.00	-	-	-	-	1012
2	20	3	-	47	47	47	0.00	-	-	-	-	979
2	20	4	-	47	47	47	0.00	-	-	-	-	963
2	20	5	-	47	47	47	0.00	-	-	-	-	970
2	20	6	-	47	47	47	0.00	-	-	-	-	1008
2	20	7	-	47	47	47	0.00	-	-	-	-	1058
2	20	8	-	47	47	47	0.00	-	-	-	-	1096
2	20	9	-	47	47	47	0.00	-	-	-	-	1154
2	20	10	-	47	47	47	0.00	-	-	-	-	1202
2	20	11	-	47	47	47	0.00	-	-	-	-	1228
2	20	12	-	47	47	47	0.00	-	-	-	-	1237
2	20	13	-	47	47	47	0.00	-	-	-	-	1233
2	20	14	-	47	47	47	0.00	-	-	-	-	1221
2	20	15	-	47	47	47	0.00	-	-	-	-	1208
2	20	16	-	47	47	47	0.00	-	-	-	-	1203

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	20	17	-	47	47	47	0.00	-	-	-	-	1212
2	20	18	-	47	47	47	0.00	-	-	-	-	1294
2	20	19	-	47	47	47	0.00	-	-	-	-	1418
2	20	20	-	47	47	47	0.00	-	-	-	-	1399
2	20	21	-	47	47	47	0.00	-	-	-	-	1360
2	20	22	-	47	47	47	0.00	-	-	-	-	1301
2	20	23	-	47	47	47	0.00	-	-	-	-	1214
2	20	24	-	47	47	47	0.00	-	-	-	-	1184
2	21	1	-	47	47	47	0.00	-	-	-	-	1048
2	21	2	-	47	47	47	0.00	-	-	-	-	995
2	21	3	-	47	47	47	0.00	-	-	-	-	965
2	21	4	-	47	47	47	0.00	-	-	-	-	949
2	21	5	-	47	47	47	0.00	-	-	-	-	949
2	21	6	-	47	47	47	0.00	-	-	-	-	972
2	21	7	-	47	47	47	0.00	-	-	-	-	1004
2	21	8	-	47	47	47	0.00	-	-	-	-	1030
2	21	9	-	47	47	47	0.00	-	-	-	-	1078
2	21	10	-	47	47	47	0.00	-	-	-	-	1118
2	21	11	-	47	47	47	0.00	-	-	-	-	1149

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	21	12	-	47	47	47	0.00	-	-	-	-	1164
2	21	13	-	47	47	47	0.00	-	-	-	-	1172
2	21	14	-	47	47	47	0.00	-	-	-	-	1175
2	21	15	-	47	47	47	0.00	-	-	-	-	1179
2	21	16	-	47	47	47	0.00	-	-	-	-	1182
2	21	17	-	47	47	47	0.00	-	-	-	-	1205
2	21	18	-	47	47	47	0.00	-	-	-	-	1296
2	21	19	-	47	47	47	0.00	-	-	-	-	1432
2	21	20	-	47	47	47	0.00	-	-	-	-	1430
2	21	21	-	47	47	47	0.00	-	-	-	-	1390
2	21	22	-	47	47	47	0.00	-	-	-	-	1307
2	21	23	-	47	47	47	0.00	-	-	-	-	1197
2	21	24	-	47	47	47	0.00	-	-	-	-	1136
2	22	1	-	47	47	47	0.00	-	-	-	-	1006
2	22	2	-	47	47	47	0.00	-	-	-	-	962
2	22	3	-	47	47	47	0.00	-	-	-	-	940
2	22	4	-	47	47	47	0.00	-	-	-	-	939
2	22	5	-	47	47	47	0.00	-	-	-	-	971
2	22	6	-	47	47	47	0.00	-	-	-	-	1064

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	22	7	-	47	47	47	0.00	-	-	-	-	1202
2	22	8	-	47	47	47	0.00	-	-	-	-	1276
2	22	9	-	47	47	47	0.00	-	-	-	-	1311
2	22	10	-	47	47	47	0.00	-	-	-	-	1351
2	22	11	-	47	47	47	0.00	-	-	-	-	1388
2	22	12	-	47	47	47	0.00	-	-	-	-	1414
2	22	13	-	47	47	47	0.00	-	-	-	-	1427
2	22	14	-	47	47	47	0.00	-	-	-	-	1445
2	22	15	-	47	47	47	0.00	-	-	-	-	1458
2	22	16	-	47	47	47	0.00	-	-	-	-	1462
2	22	17	-	47	47	47	0.00	-	-	-	-	1461
2	22	18	-	47	47	47	0.00	-	-	-	-	1507
2	22	19	-	47	47	47	0.00	-	-	-	-	1613
2	22	20	-	47	47	47	0.00	-	-	-	-	1581
2	22	21	-	47	47	47	0.00	-	-	-	-	1518
2	22	22	-	47	47	47	0.00	-	-	-	-	1412
2	22	23	-	47	47	47	0.00	-	-	-	-	1270
2	22	24	-	47	47	47	0.00	-	-	-	-	1317
2	23	1	-	47	47	47	0.00	-	-	-	-	1054

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	23	2	-	47	47	47	0.00	-	-	-	-	1002
2	23	3	-	47	47	47	0.00	-	-	-	-	970
2	23	4	-	47	47	47	0.00	-	-	-	-	962
2	23	5	-	47	47	47	0.00	-	-	-	-	990
2	23	6	-	47	47	47	0.00	-	-	-	-	1074
2	23	7	-	47	47	47	0.00	-	-	-	-	1203
2	23	8	-	47	47	47	0.00	-	-	-	-	1269
2	23	9	-	47	47	47	0.00	-	-	-	-	1308
2	23	10	-	47	47	47	0.00	-	-	-	-	1364
2	23	11	-	47	47	47	0.00	-	-	-	-	1410
2	23	12	-	47	47	47	0.00	-	-	-	-	1445
2	23	13	-	47	47	47	0.00	-	-	-	-	1467
2	23	14	-	47	47	47	0.00	-	-	-	-	1495
2	23	15	-	47	47	47	0.00	-	-	-	-	1497
2	23	16	-	47	47	47	0.00	-	-	-	-	1486
2	23	17	-	47	47	47	0.00	-	-	-	-	1470
2	23	18	-	47	47	47	0.00	-	-	-	-	1511
2	23	19	-	47	47	47	0.00	-	-	-	-	1605
2	23	20	-	47	47	47	0.00	-	-	-	-	1575

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	23	21	-	47	47	47	0.00	-	-	-	-	1513
2	23	22	-	47	47	47	0.00	-	-	-	-	1409
2	23	23	-	47	47	47	0.00	-	-	-	-	1273
2	23	24	-	47	47	47	0.00	-	-	-	-	1344
2	24	1	-	47	47	47	0.00	-	-	-	-	1056
2	24	2	-	47	47	47	0.00	-	-	-	-	1002
2	24	3	-	47	47	47	0.00	-	-	-	-	969
2	24	4	-	47	47	47	0.00	-	-	-	-	964
2	24	5	-	47	47	47	0.00	-	-	-	-	989
2	24	6	-	47	47	47	0.00	-	-	-	-	1073
2	24	7	-	47	47	47	0.00	-	-	-	-	1201
2	24	8	-	47	47	47	0.00	-	-	-	-	1269
2	24	9	-	47	47	47	0.00	-	-	-	-	1311
2	24	10	-	47	47	47	0.00	-	-	-	-	1368
2	24	11	-	47	47	47	0.00	-	-	-	-	1415
2	24	12	-	47	47	47	0.00	-	-	-	-	1447
2	24	13	-	47	47	47	0.00	-	-	-	-	1468
2	24	14	-	47	47	47	0.00	-	-	-	-	1494
2	24	15	-	47	47	47	0.00	-	-	-	-	1506

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	24	16	-	47	47	47	0.00	-	-	-	-	1510
2	24	17	-	47	47	47	0.00	-	-	-	-	1505
2	24	18	-	47	47	47	0.00	-	-	-	-	1532
2	24	19	-	47	47	47	0.00	-	-	-	-	1617
2	24	20	-	47	47	47	0.00	-	-	-	-	1584
2	24	21	-	47	47	47	0.00	-	-	-	-	1517
2	24	22	-	47	47	47	0.00	-	-	-	-	1411
2	24	23	-	47	47	47	0.00	-	-	-	-	1268
2	24	24	-	47	47	47	0.00	-	-	-	-	1343
2	25	1	-	47	47	47	0.00	-	-	-	-	1053
2	25	2	-	47	47	47	0.00	-	-	-	-	1002
2	25	3	-	47	47	47	0.00	-	-	-	-	972
2	25	4	-	47	47	47	0.00	-	-	-	-	965
2	25	5	-	47	47	47	0.00	-	-	-	-	991
2	25	6	-	47	47	47	0.00	-	-	-	-	1074
2	25	7	-	47	47	47	0.00	-	-	-	-	1198
2	25	8	-	47	47	47	0.00	-	-	-	-	1268
2	25	9	-	47	47	47	0.00	-	-	-	-	1307
2	25	10	-	47	47	47	0.00	-	-	-	-	1364

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	25	11	-	47	47	47	0.00	-	-	-	-	1418
2	25	12	-	47	47	47	0.00	-	-	-	-	1459
2	25	13	-	47	47	47	0.00	-	-	-	-	1479
2	25	14	-	47	47	47	0.00	-	-	-	-	1505
2	25	15	-	47	47	47	0.00	-	-	-	-	1515
2	25	16	-	47	47	47	0.00	-	-	-	-	1515
2	25	17	-	47	47	47	0.00	-	-	-	-	1503
2	25	18	-	47	47	47	0.00	-	-	-	-	1525
2	25	19	-	47	47	47	0.00	-	-	-	-	1610
2	25	20	-	47	47	47	0.00	-	-	-	-	1581
2	25	21	-	47	47	47	0.00	-	-	-	-	1516
2	25	22	-	47	47	47	0.00	-	-	-	-	1414
2	25	23	-	47	47	47	0.00	-	-	-	-	1280
2	25	24	-	47	47	47	0.00	-	-	-	-	1354
2	26	1	-	47	47	47	0.00	-	-	-	-	1063
2	26	2	-	47	47	47	0.00	-	-	-	-	1009
2	26	3	-	47	47	47	0.00	-	-	-	-	977
2	26	4	-	47	47	47	0.00	-	-	-	-	969
2	26	5	-	47	47	47	0.00	-	-	-	-	990

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	26	6	-	47	47	47	0.00	-	-	-	-	1070
2	26	7	-	47	47	47	0.00	-	-	-	-	1195
2	26	8	-	47	47	47	0.00	-	-	-	-	1262
2	26	9	-	47	47	47	0.00	-	-	-	-	1307
2	26	10	-	47	47	47	0.00	-	-	-	-	1356
2	26	11	-	47	47	47	0.00	-	-	-	-	1401
2	26	12	-	47	47	47	0.00	-	-	-	-	1432
2	26	13	-	47	47	47	0.00	-	-	-	-	1447
2	26	14	-	47	47	47	0.00	-	-	-	-	1469
2	26	15	-	47	47	47	0.00	-	-	-	-	1470
2	26	16	-	47	47	47	0.00	-	-	-	-	1453
2	26	17	-	47	47	47	0.00	-	-	-	-	1442
2	26	18	-	47	47	47	0.00	-	-	-	-	1479
2	26	19	-	47	47	47	0.00	-	-	-	-	1560
2	26	20	-	47	47	47	0.00	-	-	-	-	1524
2	26	21	-	47	47	47	0.00	-	-	-	-	1465
2	26	22	-	47	47	47	0.00	-	-	-	-	1382
2	26	23	-	47	47	47	0.00	-	-	-	-	1274
2	26	24	-	47	47	47	0.00	-	-	-	-	1335

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	27	1	-	47	47	47	0.00	-	-	-	-	1069
2	27	2	-	47	47	47	0.00	-	-	-	-	1009
2	27	3	-	47	47	47	0.00	-	-	-	-	973
2	27	4	-	47	47	47	0.00	-	-	-	-	957
2	27	5	-	47	47	47	0.00	-	-	-	-	964
2	27	6	-	47	47	47	0.00	-	-	-	-	994
2	27	7	-	47	47	47	0.00	-	-	-	-	1035
2	27	8	-	47	47	47	0.00	-	-	-	-	1082
2	27	9	-	47	47	47	0.00	-	-	-	-	1149
2	27	10	-	47	47	47	0.00	-	-	-	-	1208
2	27	11	-	47	47	47	0.00	-	-	-	-	1253
2	27	12	-	47	47	47	0.00	-	-	-	-	1276
2	27	13	-	47	47	47	0.00	-	-	-	-	1282
2	27	14	-	47	47	47	0.00	-	-	-	-	1280
2	27	15	-	47	47	47	0.00	-	-	-	-	1271
2	27	16	-	47	47	47	0.00	-	-	-	-	1271
2	27	17	-	47	47	47	0.00	-	-	-	-	1280
2	27	18	-	47	47	47	0.00	-	-	-	-	1331
2	27	19	-	47	47	47	0.00	-	-	-	-	1444

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	27	20	-	47	47	47	0.00	-	-	-	-	1423
2	27	21	-	47	47	47	0.00	-	-	-	-	1379
2	27	22	-	47	47	47	0.00	-	-	-	-	1309
2	27	23	-	47	47	47	0.00	-	-	-	-	1220
2	27	24	-	47	47	47	0.00	-	-	-	-	1222
2	28	1	-	47	47	47	0.00	-	-	-	-	1046
2	28	2	-	47	47	47	0.00	-	-	-	-	990
2	28	3	-	47	47	47	0.00	-	-	-	-	954
2	28	4	-	47	47	47	0.00	-	-	-	-	934
2	28	5	-	47	47	47	0.00	-	-	-	-	932
2	28	6	-	47	47	47	0.00	-	-	-	-	953
2	28	7	-	47	47	47	0.00	-	-	-	-	977
2	28	8	-	47	47	47	0.00	-	-	-	-	1003
2	28	9	-	47	47	47	0.00	-	-	-	-	1066
2	28	10	-	47	47	47	0.00	-	-	-	-	1119
2	28	11	-	47	47	47	0.00	-	-	-	-	1157
2	28	12	-	47	47	47	0.00	-	-	-	-	1188
2	28	13	-	47	47	47	0.00	-	-	-	-	1211
2	28	14	-	47	47	47	0.00	-	-	-	-	1227

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
2	28	15	-	47	47	47	0.00	-	-	-	-	1237
2	28	16	-	47	47	47	0.00	-	-	-	-	1255
2	28	17	-	47	47	47	0.00	-	-	-	-	1275
2	28	18	-	47	47	47	0.00	-	-	-	-	1353
2	28	19	-	47	47	47	0.00	-	-	-	-	1472
2	28	20	-	47	47	47	0.00	-	-	-	-	1460
2	28	21	-	47	47	47	0.00	-	-	-	-	1411
2	28	22	-	47	47	47	0.00	-	-	-	-	1333
2	28	23	-	47	47	47	0.00	-	-	-	-	1214
2	28	24	-	47	47	47	0.00	-	-	-	-	1169
3	1	1	-	68	68	68	0.00	-	-	-	-	1065
3	1	2	-	68	68	68	0.00	-	-	-	-	1012
3	1	3	-	68	68	68	0.00	-	-	-	-	981
3	1	4	-	68	68	68	0.00	-	-	-	-	969
3	1	5	-	68	68	68	0.00	-	-	-	-	992
3	1	6	-	68	68	68	0.00	-	-	-	-	1072
3	1	7	-	68	68	68	0.00	-	-	-	-	1192
3	1	8	-	68	68	68	0.00	-	-	-	-	1268
3	1	9	-	68	68	68	0.00	-	-	-	-	1313

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	1	10	-	68	68	68	0.00	-	-	-	-	1356
3	1	11	-	68	68	68	0.00	-	-	-	-	1399
3	1	12	-	68	68	68	0.00	-	-	-	-	1439
3	1	13	-	68	68	68	0.00	-	-	-	-	1458
3	1	14	-	68	68	68	0.00	-	-	-	-	1479
3	1	15	-	68	68	68	0.00	-	-	-	-	1492
3	1	16	-	68	68	68	0.00	-	-	-	-	1491
3	1	17	-	68	68	68	0.00	-	-	-	-	1482
3	1	18	-	68	68	68	0.00	-	-	-	-	1504
3	1	19	-	68	68	68	0.00	-	-	-	-	1613
3	1	20	-	68	68	68	0.00	-	-	-	-	1590
3	1	21	-	68	68	68	0.00	-	-	-	-	1526
3	1	22	-	68	68	68	0.00	-	-	-	-	1422
3	1	23	-	68	68	68	0.00	-	-	-	-	1279
3	1	24	-	68	68	68	0.00	-	-	-	-	1340
3	2	1	-	68	68	68	0.00	-	-	-	-	1061
3	2	2	-	68	68	68	0.00	-	-	-	-	1009
3	2	3	-	68	68	68	0.00	-	-	-	-	974
3	2	4	-	68	68	68	0.00	-	-	-	-	967

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	2	5	-	68	68	68	0.00	-	-	-	-	990
3	2	6	-	68	68	68	0.00	-	-	-	-	1073
3	2	7	-	68	68	68	0.00	-	-	-	-	1193
3	2	8	-	68	68	68	0.00	-	-	-	-	1273
3	2	9	-	68	68	68	0.00	-	-	-	-	1310
3	2	10	-	68	68	68	0.00	-	-	-	-	1358
3	2	11	-	68	68	68	0.00	-	-	-	-	1394
3	2	12	-	68	68	68	0.00	-	-	-	-	1419
3	2	13	-	68	68	68	0.00	-	-	-	-	1432
3	2	14	-	68	68	68	0.00	-	-	-	-	1448
3	2	15	-	68	68	68	0.00	-	-	-	-	1439
3	2	16	-	68	68	68	0.00	-	-	-	-	1437
3	2	17	-	68	68	68	0.00	-	-	-	-	1433
3	2	18	-	68	68	68	0.00	-	-	-	-	1475
3	2	19	-	68	68	68	0.00	-	-	-	-	1588
3	2	20	-	68	68	68	0.00	-	-	-	-	1570
3	2	21	-	68	68	68	0.00	-	-	-	-	1509
3	2	22	-	68	68	68	0.00	-	-	-	-	1410
3	2	23	-	68	68	68	0.00	-	-	-	-	1272

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	2	24	-	68	68	68	0.00	-	-	-	-	1321
3	3	1	-	68	68	68	0.00	-	-	-	-	1060
3	3	2	-	68	68	68	0.00	-	-	-	-	1008
3	3	3	-	68	68	68	0.00	-	-	-	-	972
3	3	4	-	68	68	68	0.00	-	-	-	-	951
3	3	5	-	68	68	68	0.00	-	-	-	-	974
3	3	6	-	68	68	68	0.00	-	-	-	-	1058
3	3	7	-	68	68	68	0.00	-	-	-	-	1183
3	3	8	-	68	68	68	0.00	-	-	-	-	1255
3	3	9	-	68	68	68	0.00	-	-	-	-	1294
3	3	10	-	68	68	68	0.00	-	-	-	-	1340
3	3	11	-	68	68	68	0.00	-	-	-	-	1376
3	3	12	-	68	68	68	0.00	-	-	-	-	1406
3	3	13	-	68	68	68	0.00	-	-	-	-	1416
3	3	14	-	68	68	68	0.00	-	-	-	-	1421
3	3	15	-	68	68	68	0.00	-	-	-	-	1419
3	3	16	-	68	68	68	0.00	-	-	-	-	1404
3	3	17	-	68	68	68	0.00	-	-	-	-	1396
3	3	18	-	68	68	68	0.00	-	-	-	-	1445

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	3	19	-	68	68	68	0.00	-	-	-	-	1558
3	3	20	-	68	68	68	0.00	-	-	-	-	1542
3	3	21	-	68	68	68	0.00	-	-	-	-	1487
3	3	22	-	68	68	68	0.00	-	-	-	-	1389
3	3	23	-	68	68	68	0.00	-	-	-	-	1256
3	3	24	-	68	68	68	0.00	-	-	-	-	1309
3	4	1	-	68	68	68	0.00	-	-	-	-	1047
3	4	2	-	68	68	68	0.00	-	-	-	-	997
3	4	3	-	68	68	68	0.00	-	-	-	-	966
3	4	4	-	68	68	68	0.00	-	-	-	-	956
3	4	5	-	68	68	68	0.00	-	-	-	-	980
3	4	6	-	68	68	68	0.00	-	-	-	-	1063
3	4	7	-	68	68	68	0.00	-	-	-	-	1182
3	4	8	-	68	68	68	0.00	-	-	-	-	1259
3	4	9	-	68	68	68	0.00	-	-	-	-	1300
3	4	10	-	68	68	68	0.00	-	-	-	-	1347
3	4	11	-	68	68	68	0.00	-	-	-	-	1375
3	4	12	-	68	68	68	0.00	-	-	-	-	1391
3	4	13	-	68	68	68	0.00	-	-	-	-	1384

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	4	14	-	68	68	68	0.00	-	-	-	-	1389
3	4	15	-	68	68	68	0.00	-	-	-	-	1390
3	4	16	-	68	68	68	0.00	-	-	-	-	1368
3	4	17	-	68	68	68	0.00	-	-	-	-	1361
3	4	18	-	68	68	68	0.00	-	-	-	-	1408
3	4	19	-	68	68	68	0.00	-	-	-	-	1520
3	4	20	-	68	68	68	0.00	-	-	-	-	1502
3	4	21	-	68	68	68	0.00	-	-	-	-	1445
3	4	22	-	68	68	68	0.00	-	-	-	-	1371
3	4	23	-	68	68	68	0.00	-	-	-	-	1264
3	4	24	-	68	68	68	0.00	-	-	-	-	1293
3	5	1	-	68	68	68	0.00	-	-	-	-	1064
3	5	2	-	68	68	68	0.00	-	-	-	-	1005
3	5	3	-	68	68	68	0.00	-	-	-	-	966
3	5	4	-	68	68	68	0.00	-	-	-	-	949
3	5	5	-	68	68	68	0.00	-	-	-	-	953
3	5	6	-	68	68	68	0.00	-	-	-	-	991
3	5	7	-	68	68	68	0.00	-	-	-	-	1030
3	5	8	-	68	68	68	0.00	-	-	-	-	1086

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	5	9	-	68	68	68	0.00	-	-	-	-	1175
3	5	10	-	68	68	68	0.00	-	-	-	-	1229
3	5	11	-	68	68	68	0.00	-	-	-	-	1259
3	5	12	-	68	68	68	0.00	-	-	-	-	1272
3	5	13	-	68	68	68	0.00	-	-	-	-	1277
3	5	14	-	68	68	68	0.00	-	-	-	-	1261
3	5	15	-	68	68	68	0.00	-	-	-	-	1239
3	5	16	-	68	68	68	0.00	-	-	-	-	1234
3	5	17	-	68	68	68	0.00	-	-	-	-	1248
3	5	18	-	68	68	68	0.00	-	-	-	-	1317
3	5	19	-	68	68	68	0.00	-	-	-	-	1425
3	5	20	-	68	68	68	0.00	-	-	-	-	1415
3	5	21	-	68	68	68	0.00	-	-	-	-	1374
3	5	22	-	68	68	68	0.00	-	-	-	-	1309
3	5	23	-	68	68	68	0.00	-	-	-	-	1222
3	5	24	-	68	68	68	0.00	-	-	-	-	1226
3	6	1	-	68	68	68	0.00	-	-	-	-	1045
3	6	2	-	68	68	68	0.00	-	-	-	-	991
3	6	3	-	68	68	68	0.00	-	-	-	-	957

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	6	4	-	68	68	68	0.00	-	-	-	-	939
3	6	5	-	68	68	68	0.00	-	-	-	-	935
3	6	6	-	68	68	68	0.00	-	-	-	-	952
3	6	7	-	68	68	68	0.00	-	-	-	-	968
3	6	8	-	68	68	68	0.00	-	-	-	-	1000
3	6	9	-	68	68	68	0.00	-	-	-	-	1057
3	6	10	-	68	68	68	0.00	-	-	-	-	1112
3	6	11	-	68	68	68	0.00	-	-	-	-	1143
3	6	12	-	68	68	68	0.00	-	-	-	-	1163
3	6	13	-	68	68	68	0.00	-	-	-	-	1167
3	6	14	-	68	68	68	0.00	-	-	-	-	1160
3	6	15	-	68	68	68	0.00	-	-	-	-	1151
3	6	16	-	68	68	68	0.00	-	-	-	-	1152
3	6	17	-	68	68	68	0.00	-	-	-	-	1170
3	6	18	-	68	68	68	0.00	-	-	-	-	1250
3	6	19	-	68	68	68	0.00	-	-	-	-	1406
3	6	20	-	68	68	68	0.00	-	-	-	-	1418
3	6	21	-	68	68	68	0.00	-	-	-	-	1387
3	6	22	-	68	68	68	0.00	-	-	-	-	1309

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	6	23	-	68	68	68	0.00	-	-	-	-	1202
3	6	24	-	68	68	68	0.00	-	-	-	-	1138
3	7	1	-	68	68	68	0.00	-	-	-	-	1016
3	7	2	-	68	68	68	0.00	-	-	-	-	970
3	7	3	-	68	68	68	0.00	-	-	-	-	945
3	7	4	-	68	68	68	0.00	-	-	-	-	937
3	7	5	-	68	68	68	0.00	-	-	-	-	964
3	7	6	-	68	68	68	0.00	-	-	-	-	1044
3	7	7	-	68	68	68	0.00	-	-	-	-	1201
3	7	8	-	68	68	68	0.00	-	-	-	-	1299
3	7	9	-	68	68	68	0.00	-	-	-	-	1336
3	7	10	-	68	68	68	0.00	-	-	-	-	1376
3	7	11	-	68	68	68	0.00	-	-	-	-	1384
3	7	12	-	68	68	68	0.00	-	-	-	-	1384
3	7	13	-	68	68	68	0.00	-	-	-	-	1376
3	7	14	-	68	68	68	0.00	-	-	-	-	1375
3	7	15	-	68	68	68	0.00	-	-	-	-	1366
3	7	16	-	68	68	68	0.00	-	-	-	-	1356
3	7	17	-	68	68	68	0.00	-	-	-	-	1355

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	7	18	-	68	68	68	0.00	-	-	-	-	1432
3	7	19	-	68	68	68	0.00	-	-	-	-	1574
3	7	20	-	68	68	68	0.00	-	-	-	-	1576
3	7	21	-	68	68	68	0.00	-	-	-	-	1530
3	7	22	-	68	68	68	0.00	-	-	-	-	1439
3	7	23	-	68	68	68	0.00	-	-	-	-	1313
3	7	24	-	68	68	68	0.00	-	-	-	-	1302
3	8	1	-	68	68	68	0.00	-	-	-	-	1094
3	8	2	-	68	68	68	0.00	-	-	-	-	1047
3	8	3	-	68	68	68	0.00	-	-	-	-	1019
3	8	4	-	68	68	68	0.00	-	-	-	-	1009
3	8	5	-	68	68	68	0.00	-	-	-	-	1033
3	8	6	-	68	68	68	0.00	-	-	-	-	1129
3	8	7	-	68	68	68	0.00	-	-	-	-	1258
3	8	8	-	68	68	68	0.00	-	-	-	-	1314
3	8	9	-	68	68	68	0.00	-	-	-	-	1329
3	8	10	-	68	68	68	0.00	-	-	-	-	1348
3	8	11	-	68	68	68	0.00	-	-	-	-	1360
3	8	12	-	68	68	68	0.00	-	-	-	-	1369

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	8	13	-	68	68	68	0.00	-	-	-	-	1366
3	8	14	-	68	68	68	0.00	-	-	-	-	1364
3	8	15	-	68	68	68	0.00	-	-	-	-	1360
3	8	16	-	68	68	68	0.00	-	-	-	-	1347
3	8	17	-	68	68	68	0.00	-	-	-	-	1344
3	8	18	-	68	68	68	0.00	-	-	-	-	1403
3	8	19	-	68	68	68	0.00	-	-	-	-	1539
3	8	20	-	68	68	68	0.00	-	-	-	-	1545
3	8	21	-	68	68	68	0.00	-	-	-	-	1496
3	8	22	-	68	68	68	0.00	-	-	-	-	1406
3	8	23	-	68	68	68	0.00	-	-	-	-	1267
3	8	24	-	68	68	68	0.00	-	-	-	-	1278
3	9	1	-	68	68	68	0.00	-	-	-	-	1061
3	9	2	-	68	68	68	0.00	-	-	-	-	1008
3	9	3	-	68	68	68	0.00	-	-	-	-	979
3	9	4	-	68	68	68	0.00	-	-	-	-	976
3	9	5	-	68	68	68	0.00	-	-	-	-	1003
3	9	6	-	68	68	68	0.00	-	-	-	-	1095
3	9	7	-	68	68	68	0.00	-	-	-	-	1212

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	9	8	-	68	68	68	0.00	-	-	-	-	1280
3	9	9	-	68	68	68	0.00	-	-	-	-	1305
3	9	10	-	68	68	68	0.00	-	-	-	-	1344
3	9	11	-	68	68	68	0.00	-	-	-	-	1368
3	9	12	-	68	68	68	0.00	-	-	-	-	1387
3	9	13	-	68	68	68	0.00	-	-	-	-	1395
3	9	14	-	68	68	68	0.00	-	-	-	-	1405
3	9	15	-	68	68	68	0.00	-	-	-	-	1407
3	9	16	-	68	68	68	0.00	-	-	-	-	1399
3	9	17	-	68	68	68	0.00	-	-	-	-	1397
3	9	18	-	68	68	68	0.00	-	-	-	-	1434
3	9	19	-	68	68	68	0.00	-	-	-	-	1554
3	9	20	-	68	68	68	0.00	-	-	-	-	1546
3	9	21	-	68	68	68	0.00	-	-	-	-	1493
3	9	22	-	68	68	68	0.00	-	-	-	-	1395
3	9	23	-	68	68	68	0.00	-	-	-	-	1262
3	9	24	-	68	68	68	0.00	-	-	-	-	1292
3	10	1	-	68	68	68	0.00	-	-	-	-	1052
3	10	2	-	68	68	68	0.00	-	-	-	-	1005

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	10	3	-	68	68	68	0.00	-	-	-	-	972
3	10	4	-	68	68	68	0.00	-	-	-	-	967
3	10	5	-	68	68	68	0.00	-	-	-	-	983
3	10	6	-	68	68	68	0.00	-	-	-	-	1066
3	10	7	-	68	68	68	0.00	-	-	-	-	1174
3	10	8	-	68	68	68	0.00	-	-	-	-	1248
3	10	9	-	68	68	68	0.00	-	-	-	-	1293
3	10	10	-	68	68	68	0.00	-	-	-	-	1344
3	10	11	-	68	68	68	0.00	-	-	-	-	1391
3	10	12	-	68	68	68	0.00	-	-	-	-	1422
3	10	13	-	68	68	68	0.00	-	-	-	-	1435
3	10	14	-	68	68	68	0.00	-	-	-	-	1443
3	10	15	-	68	68	68	0.00	-	-	-	-	1440
3	10	16	-	68	68	68	0.00	-	-	-	-	1432
3	10	17	-	68	68	68	0.00	-	-	-	-	1417
3	10	18	-	68	68	68	0.00	-	-	-	-	1445
3	10	19	-	68	68	68	0.00	-	-	-	-	1553
3	10	20	-	68	68	68	0.00	-	-	-	-	1544
3	10	21	-	68	68	68	0.00	-	-	-	-	1484

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	10	22	-	68	68	68	0.00	-	-	-	-	1394
3	10	23	-	68	68	68	0.00	-	-	-	-	1265
3	10	24	-	68	68	68	0.00	-	-	-	-	1321
3	11	1	-	68	68	68	0.00	-	-	-	-	1057
3	11	2	-	68	68	68	0.00	-	-	-	-	1002
3	11	3	-	68	68	68	0.00	-	-	-	-	971
3	11	4	-	68	68	68	0.00	-	-	-	-	963
3	11	5	-	68	68	68	0.00	-	-	-	-	986
3	11	6	-	68	68	68	0.00	-	-	-	-	1069
3	11	7	-	68	68	68	0.00	-	-	-	-	1178
3	11	8	-	68	68	68	0.00	-	-	-	-	1251
3	11	9	-	68	68	68	0.00	-	-	-	-	1298
3	11	10	-	68	68	68	0.00	-	-	-	-	1346
3	11	11	-	68	68	68	0.00	-	-	-	-	1374
3	11	12	-	68	68	68	0.00	-	-	-	-	1395
3	11	13	-	68	68	68	0.00	-	-	-	-	1414
3	11	14	-	68	68	68	0.00	-	-	-	-	1423
3	11	15	-	68	68	68	0.00	-	-	-	-	1417
3	11	16	-	68	68	68	0.00	-	-	-	-	1402

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	11	17	-	68	68	68	0.00	-	-	-	-	1380
3	11	18	-	68	68	68	0.00	-	-	-	-	1411
3	11	19	-	68	68	68	0.00	-	-	-	-	1521
3	11	20	-	68	68	68	0.00	-	-	-	-	1520
3	11	21	-	68	68	68	0.00	-	-	-	-	1478
3	11	22	-	68	68	68	0.00	-	-	-	-	1406
3	11	23	-	68	68	68	0.00	-	-	-	-	1302
3	11	24	-	68	68	68	0.00	-	-	-	-	1324
3	12	1	-	68	68	68	0.00	-	-	-	-	1099
3	12	2	-	68	68	68	0.00	-	-	-	-	1042
3	12	3	-	68	68	68	0.00	-	-	-	-	1007
3	12	4	-	68	68	68	0.00	-	-	-	-	993
3	12	5	-	68	68	68	0.00	-	-	-	-	1000
3	12	6	-	68	68	68	0.00	-	-	-	-	1042
3	12	7	-	68	68	68	0.00	-	-	-	-	1073
3	12	8	-	68	68	68	0.00	-	-	-	-	1123
3	12	9	-	68	68	68	0.00	-	-	-	-	1175
3	12	10	-	68	68	68	0.00	-	-	-	-	1212
3	12	11	-	68	68	68	0.00	-	-	-	-	1229

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	12	12	-	68	68	68	0.00	-	-	-	-	1229
3	12	13	-	68	68	68	0.00	-	-	-	-	1220
3	12	14	-	68	68	68	0.00	-	-	-	-	1201
3	12	15	-	68	68	68	0.00	-	-	-	-	1184
3	12	16	-	68	68	68	0.00	-	-	-	-	1178
3	12	17	-	68	68	68	0.00	-	-	-	-	1189
3	12	18	-	68	68	68	0.00	-	-	-	-	1252
3	12	19	-	68	68	68	0.00	-	-	-	-	1391
3	12	20	-	68	68	68	0.00	-	-	-	-	1402
3	12	21	-	68	68	68	0.00	-	-	-	-	1369
3	12	22	-	68	68	68	0.00	-	-	-	-	1311
3	12	23	-	68	68	68	0.00	-	-	-	-	1227
3	12	24	-	68	68	68	0.00	-	-	-	-	1184
3	13	1	-	68	68	68	0.00	-	-	-	-	1056
3	13	2	-	68	68	68	0.00	-	-	-	-	1005
3	13	3	-	68	68	68	0.00	-	-	-	-	10
3	13	4	-	68	68	68	0.00	-	-	-	-	972
3	13	5	-	68	68	68	0.00	-	-	-	-	961
3	13	6	-	68	68	68	0.00	-	-	-	-	972

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	13	7	-	68	68	68	0.00	-	-	-	-	1000
3	13	8	-	68	68	68	0.00	-	-	-	-	1028
3	13	9	-	68	68	68	0.00	-	-	-	-	1059
3	13	10	-	68	68	68	0.00	-	-	-	-	1101
3	13	11	-	68	68	68	0.00	-	-	-	-	1138
3	13	12	-	68	68	68	0.00	-	-	-	-	1154
3	13	13	-	68	68	68	0.00	-	-	-	-	1164
3	13	14	-	68	68	68	0.00	-	-	-	-	1164
3	13	15	-	68	68	68	0.00	-	-	-	-	1170
3	13	16	-	68	68	68	0.00	-	-	-	-	1169
3	13	17	-	68	68	68	0.00	-	-	-	-	1178
3	13	18	-	68	68	68	0.00	-	-	-	-	1209
3	13	19	-	68	68	68	0.00	-	-	-	-	1292
3	13	20	-	68	68	68	0.00	-	-	-	-	1415
3	13	21	-	68	68	68	0.00	-	-	-	-	1419
3	13	22	-	68	68	68	0.00	-	-	-	-	1359
3	13	23	-	68	68	68	0.00	-	-	-	-	1254
3	13	24	-	68	68	68	0.00	-	-	-	-	1151
3	14	1	-	68	68	68	0.00	-	-	-	-	1045

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	14	2	-	68	68	68	0.00	-	-	-	-	986
3	14	3	-	68	68	68	0.00	-	-	-	-	956
3	14	4	-	68	68	68	0.00	-	-	-	-	949
3	14	5	-	68	68	68	0.00	-	-	-	-	967
3	14	6	-	68	68	68	0.00	-	-	-	-	1039
3	14	7	-	68	68	68	0.00	-	-	-	-	1175
3	14	8	-	68	68	68	0.00	-	-	-	-	1285
3	14	9	-	68	68	68	0.00	-	-	-	-	1307
3	14	10	-	68	68	68	0.00	-	-	-	-	1343
3	14	11	-	68	68	68	0.00	-	-	-	-	1370
3	14	12	-	68	68	68	0.00	-	-	-	-	1383
3	14	13	-	68	68	68	0.00	-	-	-	-	1392
3	14	14	-	68	68	68	0.00	-	-	-	-	1399
3	14	15	-	68	68	68	0.00	-	-	-	-	1398
3	14	16	-	68	68	68	0.00	-	-	-	-	1392
3	14	17	-	68	68	68	0.00	-	-	-	-	1381
3	14	18	-	68	68	68	0.00	-	-	-	-	1371
3	14	19	-	68	68	68	0.00	-	-	-	-	1410
3	14	20	-	68	68	68	0.00	-	-	-	-	1529

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	14	21	-	68	68	68	0.00	-	-	-	-	1518
3	14	22	-	68	68	68	0.00	-	-	-	-	1433
3	14	23	-	68	68	68	0.00	-	-	-	-	1302
3	14	24	-	68	68	68	0.00	-	-	-	-	1306
3	15	1	-	68	68	68	0.00	-	-	-	-	1068
3	15	2	-	68	68	68	0.00	-	-	-	-	1008
3	15	3	-	68	68	68	0.00	-	-	-	-	970
3	15	4	-	68	68	68	0.00	-	-	-	-	959
3	15	5	-	68	68	68	0.00	-	-	-	-	979
3	15	6	-	68	68	68	0.00	-	-	-	-	1054
3	15	7	-	68	68	68	0.00	-	-	-	-	1198
3	15	8	-	68	68	68	0.00	-	-	-	-	1296
3	15	9	-	68	68	68	0.00	-	-	-	-	1309
3	15	10	-	68	68	68	0.00	-	-	-	-	1339
3	15	11	-	68	68	68	0.00	-	-	-	-	1356
3	15	12	-	68	68	68	0.00	-	-	-	-	1378
3	15	13	-	68	68	68	0.00	-	-	-	-	1392
3	15	14	-	68	68	68	0.00	-	-	-	-	1412
3	15	15	-	68	68	68	0.00	-	-	-	-	1423

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	15	16	-	68	68	68	0.00	-	-	-	-	1427
3	15	17	-	68	68	68	0.00	-	-	-	-	1421
3	15	18	-	68	68	68	0.00	-	-	-	-	1403
3	15	19	-	68	68	68	0.00	-	-	-	-	1415
3	15	20	-	68	68	68	0.00	-	-	-	-	1513
3	15	21	-	68	68	68	0.00	-	-	-	-	1509
3	15	22	-	68	68	68	0.00	-	-	-	-	1420
3	15	23	-	68	68	68	0.00	-	-	-	-	1286
3	15	24	-	68	68	68	0.00	-	-	-	-	1304
3	16	1	-	68	68	68	0.00	-	-	-	-	1064
3	16	2	-	68	68	68	0.00	-	-	-	-	1005
3	16	3	-	68	68	68	0.00	-	-	-	-	968
3	16	4	-	68	68	68	0.00	-	-	-	-	956
3	16	5	-	68	68	68	0.00	-	-	-	-	974
3	16	6	-	68	68	68	0.00	-	-	-	-	1049
3	16	7	-	68	68	68	0.00	-	-	-	-	1187
3	16	8	-	68	68	68	0.00	-	-	-	-	1276
3	16	9	-	68	68	68	0.00	-	-	-	-	1298
3	16	10	-	68	68	68	0.00	-	-	-	-	1341

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	16	11	-	68	68	68	0.00	-	-	-	-	1389
3	16	12	-	68	68	68	0.00	-	-	-	-	1430
3	16	13	-	68	68	68	0.00	-	-	-	-	1462
3	16	14	-	68	68	68	0.00	-	-	-	-	1496
3	16	15	-	68	68	68	0.00	-	-	-	-	1519
3	16	16	-	68	68	68	0.00	-	-	-	-	1538
3	16	17	-	68	68	68	0.00	-	-	-	-	1541
3	16	18	-	68	68	68	0.00	-	-	-	-	1525
3	16	19	-	68	68	68	0.00	-	-	-	-	1524
3	16	20	-	68	68	68	0.00	-	-	-	-	1598
3	16	21	-	68	68	68	0.00	-	-	-	-	1581
3	16	22	-	68	68	68	0.00	-	-	-	-	1486
3	16	23	-	68	68	68	0.00	-	-	-	-	1343
3	16	24	-	68	68	68	0.00	-	-	-	-	1364
3	17	1	-	68	68	68	0.00	-	-	-	-	1095
3	17	2	-	68	68	68	0.00	-	-	-	-	1028
3	17	3	-	68	68	68	0.00	-	-	-	-	984
3	17	4	-	68	68	68	0.00	-	-	-	-	968
3	17	5	-	68	68	68	0.00	-	-	-	-	983

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	17	6	-	68	68	68	0.00	-	-	-	-	1051
3	17	7	-	68	68	68	0.00	-	-	-	-	1186
3	17	8	-	68	68	68	0.00	-	-	-	-	1272
3	17	9	-	68	68	68	0.00	-	-	-	-	1302
3	17	10	-	68	68	68	0.00	-	-	-	-	1358
3	17	11	-	68	68	68	0.00	-	-	-	-	1413
3	17	12	-	68	68	68	0.00	-	-	-	-	1445
3	17	13	-	68	68	68	0.00	-	-	-	-	1474
3	17	14	-	68	68	68	0.00	-	-	-	-	1513
3	17	15	-	68	68	68	0.00	-	-	-	-	1533
3	17	16	-	68	68	68	0.00	-	-	-	-	1542
3	17	17	-	68	68	68	0.00	-	-	-	-	1530
3	17	18	-	68	68	68	0.00	-	-	-	-	1505
3	17	19	-	68	68	68	0.00	-	-	-	-	1499
3	17	20	-	68	68	68	0.00	-	-	-	-	1571
3	17	21	-	68	68	68	0.00	-	-	-	-	1557
3	17	22	-	68	68	68	0.00	-	-	-	-	1472
3	17	23	-	68	68	68	0.00	-	-	-	-	1331
3	17	24	-	68	68	68	0.00	-	-	-	-	1365

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	18	1	-	68	68	68	0.00	-	-	-	-	1091
3	18	2	-	68	68	68	0.00	-	-	-	-	1028
3	18	3	-	68	68	68	0.00	-	-	-	-	987
3	18	4	-	68	68	68	0.00	-	-	-	-	970
3	18	5	-	68	68	68	0.00	-	-	-	-	985
3	18	6	-	68	68	68	0.00	-	-	-	-	1055
3	18	7	-	68	68	68	0.00	-	-	-	-	1179
3	18	8	-	68	68	68	0.00	-	-	-	-	1274
3	18	9	-	68	68	68	0.00	-	-	-	-	1309
3	18	10	-	68	68	68	0.00	-	-	-	-	1348
3	18	11	-	68	68	68	0.00	-	-	-	-	1390
3	18	12	-	68	68	68	0.00	-	-	-	-	1420
3	18	13	-	68	68	68	0.00	-	-	-	-	1432
3	18	14	-	68	68	68	0.00	-	-	-	-	1449
3	18	15	-	68	68	68	0.00	-	-	-	-	1454
3	18	16	-	68	68	68	0.00	-	-	-	-	1452
3	18	17	-	68	68	68	0.00	-	-	-	-	1442
3	18	18	-	68	68	68	0.00	-	-	-	-	1420
3	18	19	-	68	68	68	0.00	-	-	-	-	1421

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	18	20	-	68	68	68	0.00	-	-	-	-	1503
3	18	21	-	68	68	68	0.00	-	-	-	-	1493
3	18	22	-	68	68	68	0.00	-	-	-	-	1425
3	18	23	-	68	68	68	0.00	-	-	-	-	1318
3	18	24	-	68	68	68	0.00	-	-	-	-	1340
3	19	1	-	68	68	68	0.00	-	-	-	-	1091
3	19	2	-	68	68	68	0.00	-	-	-	-	1022
3	19	3	-	68	68	68	0.00	-	-	-	-	979
3	19	4	-	68	68	68	0.00	-	-	-	-	956
3	19	5	-	68	68	68	0.00	-	-	-	-	953
3	19	6	-	68	68	68	0.00	-	-	-	-	979
3	19	7	-	68	68	68	0.00	-	-	-	-	1033
3	19	8	-	68	68	68	0.00	-	-	-	-	1089
3	19	9	-	68	68	68	0.00	-	-	-	-	1156
3	19	10	-	68	68	68	0.00	-	-	-	-	1221
3	19	11	-	68	68	68	0.00	-	-	-	-	1259
3	19	12	-	68	68	68	0.00	-	-	-	-	1268
3	19	13	-	68	68	68	0.00	-	-	-	-	1271
3	19	14	-	68	68	68	0.00	-	-	-	-	1267

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	19	15	-	68	68	68	0.00	-	-	-	-	1268
3	19	16	-	68	68	68	0.00	-	-	-	-	1274
3	19	17	-	68	68	68	0.00	-	-	-	-	1275
3	19	18	-	68	68	68	0.00	-	-	-	-	1274
3	19	19	-	68	68	68	0.00	-	-	-	-	1305
3	19	20	-	68	68	68	0.00	-	-	-	-	1402
3	19	21	-	68	68	68	0.00	-	-	-	-	1402
3	19	22	-	68	68	68	0.00	-	-	-	-	1344
3	19	23	-	68	68	68	0.00	-	-	-	-	1259
3	19	24	-	68	68	68	0.00	-	-	-	-	1224
3	20	1	-	68	68	68	0.00	-	-	-	-	1066
3	20	2	-	68	68	68	0.00	-	-	-	-	1002
3	20	3	-	68	68	68	0.00	-	-	-	-	958
3	20	4	-	68	68	68	0.00	-	-	-	-	933
3	20	5	-	68	68	68	0.00	-	-	-	-	927
3	20	6	-	68	68	68	0.00	-	-	-	-	938
3	20	7	-	68	68	68	0.00	-	-	-	-	973
3	20	8	-	68	68	68	0.00	-	-	-	-	1005
3	20	9	-	68	68	68	0.00	-	-	-	-	1051

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	20	10	-	68	68	68	0.00	-	-	-	-	1118
3	20	11	-	68	68	68	0.00	-	-	-	-	1158
3	20	12	-	68	68	68	0.00	-	-	-	-	1178
3	20	13	-	68	68	68	0.00	-	-	-	-	1185
3	20	14	-	68	68	68	0.00	-	-	-	-	1195
3	20	15	-	68	68	68	0.00	-	-	-	-	1196
3	20	16	-	68	68	68	0.00	-	-	-	-	1203
3	20	17	-	68	68	68	0.00	-	-	-	-	1212
3	20	18	-	68	68	68	0.00	-	-	-	-	1228
3	20	19	-	68	68	68	0.00	-	-	-	-	1283
3	20	20	-	68	68	68	0.00	-	-	-	-	1395
3	20	21	-	68	68	68	0.00	-	-	-	-	1407
3	20	22	-	68	68	68	0.00	-	-	-	-	1343
3	20	23	-	68	68	68	0.00	-	-	-	-	1232
3	20	24	-	68	68	68	0.00	-	-	-	-	1161
3	21	1	-	68	68	68	0.00	-	-	-	-	1029
3	21	2	-	68	68	68	0.00	-	-	-	-	974
3	21	3	-	68	68	68	0.00	-	-	-	-	944
3	21	4	-	68	68	68	0.00	-	-	-	-	934

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	21	5	-	68	68	68	0.00	-	-	-	-	955
3	21	6	-	68	68	68	0.00	-	-	-	-	1025
3	21	7	-	68	68	68	0.00	-	-	-	-	1149
3	21	8	-	68	68	68	0.00	-	-	-	-	1256
3	21	9	-	68	68	68	0.00	-	-	-	-	1309
3	21	10	-	68	68	68	0.00	-	-	-	-	1359
3	21	11	-	68	68	68	0.00	-	-	-	-	1388
3	21	12	-	68	68	68	0.00	-	-	-	-	1399
3	21	13	-	68	68	68	0.00	-	-	-	-	1405
3	21	14	-	68	68	68	0.00	-	-	-	-	1407
3	21	15	-	68	68	68	0.00	-	-	-	-	1407
3	21	16	-	68	68	68	0.00	-	-	-	-	1399
3	21	17	-	68	68	68	0.00	-	-	-	-	1383
3	21	18	-	68	68	68	0.00	-	-	-	-	1373
3	21	19	-	68	68	68	0.00	-	-	-	-	1400
3	21	20	-	68	68	68	0.00	-	-	-	-	1504
3	21	21	-	68	68	68	0.00	-	-	-	-	1508
3	21	22	-	68	68	68	0.00	-	-	-	-	1430
3	21	23	-	68	68	68	0.00	-	-	-	-	1298

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	21	24	-	68	68	68	0.00	-	-	-	-	1312
3	22	1	-	68	68	68	0.00	-	-	-	-	1070
3	22	2	-	68	68	68	0.00	-	-	-	-	1010
3	22	3	-	68	68	68	0.00	-	-	-	-	974
3	22	4	-	68	68	68	0.00	-	-	-	-	962
3	22	5	-	68	68	68	0.00	-	-	-	-	980
3	22	6	-	68	68	68	0.00	-	-	-	-	1053
3	22	7	-	68	68	68	0.00	-	-	-	-	1191
3	22	8	-	68	68	68	0.00	-	-	-	-	1277
3	22	9	-	68	68	68	0.00	-	-	-	-	1308
3	22	10	-	68	68	68	0.00	-	-	-	-	1350
3	22	11	-	68	68	68	0.00	-	-	-	-	1377
3	22	12	-	68	68	68	0.00	-	-	-	-	1393
3	22	13	-	68	68	68	0.00	-	-	-	-	1394
3	22	14	-	68	68	68	0.00	-	-	-	-	1399
3	22	15	-	68	68	68	0.00	-	-	-	-	1395
3	22	16	-	68	68	68	0.00	-	-	-	-	1390
3	22	17	-	68	68	68	0.00	-	-	-	-	1373
3	22	18	-	68	68	68	0.00	-	-	-	-	1360

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	22	19	-	68	68	68	0.00	-	-	-	-	1385
3	22	20	-	68	68	68	0.00	-	-	-	-	1494
3	22	21	-	68	68	68	0.00	-	-	-	-	1504
3	22	22	-	68	68	68	0.00	-	-	-	-	1427
3	22	23	-	68	68	68	0.00	-	-	-	-	1299
3	22	24	-	68	68	68	0.00	-	-	-	-	1309
3	23	1	-	68	68	68	0.00	-	-	-	-	1074
3	23	2	-	68	68	68	0.00	-	-	-	-	1016
3	23	3	-	68	68	68	0.00	-	-	-	-	981
3	23	4	-	68	68	68	0.00	-	-	-	-	971
3	23	5	-	68	68	68	0.00	-	-	-	-	989
3	23	6	-	68	68	68	0.00	-	-	-	-	1064
3	23	7	-	68	68	68	0.00	-	-	-	-	1195
3	23	8	-	68	68	68	0.00	-	-	-	-	1280
3	23	9	-	68	68	68	0.00	-	-	-	-	1306
3	23	10	-	68	68	68	0.00	-	-	-	-	1341
3	23	11	-	68	68	68	0.00	-	-	-	-	1369
3	23	12	-	68	68	68	0.00	-	-	-	-	1390
3	23	13	-	68	68	68	0.00	-	-	-	-	1401

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	23	14	-	68	68	68	0.00	-	-	-	-	1411
3	23	15	-	68	68	68	0.00	-	-	-	-	1417
3	23	16	-	68	68	68	0.00	-	-	-	-	1419
3	23	17	-	68	68	68	0.00	-	-	-	-	1413
3	23	18	-	68	68	68	0.00	-	-	-	-	1397
3	23	19	-	68	68	68	0.00	-	-	-	-	1410
3	23	20	-	68	68	68	0.00	-	-	-	-	1508
3	23	21	-	68	68	68	0.00	-	-	-	-	1513
3	23	22	-	68	68	68	0.00	-	-	-	-	1435
3	23	23	-	68	68	68	0.00	-	-	-	-	1306
3	23	24	-	68	68	68	0.00	-	-	-	-	1313
3	24	1	-	68	68	68	0.00	-	-	-	-	1079
3	24	2	-	68	68	68	0.00	-	-	-	-	1019
3	24	3	-	68	68	68	0.00	-	-	-	-	981
3	24	4	-	68	68	68	0.00	-	-	-	-	970
3	24	5	-	68	68	68	0.00	-	-	-	-	989
3	24	6	-	68	68	68	0.00	-	-	-	-	1063
3	24	7	-	68	68	68	0.00	-	-	-	-	1193
3	24	8	-	68	68	68	0.00	-	-	-	-	1277

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	24	9	-	68	68	68	0.00	-	-	-	-	1314
3	24	10	-	68	68	68	0.00	-	-	-	-	1357
3	24	11	-	68	68	68	0.00	-	-	-	-	1399
3	24	12	-	68	68	68	0.00	-	-	-	-	1429
3	24	13	-	68	68	68	0.00	-	-	-	-	1445
3	24	14	-	68	68	68	0.00	-	-	-	-	1464
3	24	15	-	68	68	68	0.00	-	-	-	-	1478
3	24	16	-	68	68	68	0.00	-	-	-	-	1479
3	24	17	-	68	68	68	0.00	-	-	-	-	1463
3	24	18	-	68	68	68	0.00	-	-	-	-	1438
3	24	19	-	68	68	68	0.00	-	-	-	-	1439
3	24	20	-	68	68	68	0.00	-	-	-	-	1525
3	24	21	-	68	68	68	0.00	-	-	-	-	1527
3	24	22	-	68	68	68	0.00	-	-	-	-	1450
3	24	23	-	68	68	68	0.00	-	-	-	-	1322
3	24	24	-	68	68	68	0.00	-	-	-	-	1351
3	25	1	-	68	68	68	0.00	-	-	-	-	1090
3	25	2	-	68	68	68	0.00	-	-	-	-	1027
3	25	3	-	68	68	68	0.00	-	-	-	-	985

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	25	4	-	68	68	68	0.00	-	-	-	-	967
3	25	5	-	68	68	68	0.00	-	-	-	-	979
3	25	6	-	68	68	68	0.00	-	-	-	-	1036
3	25	7	-	68	68	68	0.00	-	-	-	-	1140
3	25	8	-	68	68	68	0.00	-	-	-	-	1211
3	25	9	-	68	68	68	0.00	-	-	-	-	1268
3	25	10	-	68	68	68	0.00	-	-	-	-	1322
3	25	11	-	68	68	68	0.00	-	-	-	-	1367
3	25	12	-	68	68	68	0.00	-	-	-	-	1397
3	25	13	-	68	68	68	0.00	-	-	-	-	1407
3	25	14	-	68	68	68	0.00	-	-	-	-	1423
3	25	15	-	68	68	68	0.00	-	-	-	-	1431
3	25	16	-	68	68	68	0.00	-	-	-	-	1434
3	25	17	-	68	68	68	0.00	-	-	-	-	1433
3	25	18	-	68	68	68	0.00	-	-	-	-	1421
3	25	19	-	68	68	68	0.00	-	-	-	-	1415
3	25	20	-	68	68	68	0.00	-	-	-	-	1478
3	25	21	-	68	68	68	0.00	-	-	-	-	1472
3	25	22	-	68	68	68	0.00	-	-	-	-	1404

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	25	23	-	68	68	68	0.00	-	-	-	-	1296
3	25	24	-	68	68	68	0.00	-	-	-	-	1316
3	26	1	-	68	68	68	0.00	-	-	-	-	1084
3	26	2	-	68	68	68	0.00	-	-	-	-	1018
3	26	3	-	68	68	68	0.00	-	-	-	-	976
3	26	4	-	68	68	68	0.00	-	-	-	-	949
3	26	5	-	68	68	68	0.00	-	-	-	-	950
3	26	6	-	68	68	68	0.00	-	-	-	-	970
3	26	7	-	68	68	68	0.00	-	-	-	-	1018
3	26	8	-	68	68	68	0.00	-	-	-	-	1053
3	26	9	-	68	68	68	0.00	-	-	-	-	1118
3	26	10	-	68	68	68	0.00	-	-	-	-	1188
3	26	11	-	68	68	68	0.00	-	-	-	-	1237
3	26	12	-	68	68	68	0.00	-	-	-	-	1266
3	26	13	-	68	68	68	0.00	-	-	-	-	1281
3	26	14	-	68	68	68	0.00	-	-	-	-	1286
3	26	15	-	68	68	68	0.00	-	-	-	-	1290
3	26	16	-	68	68	68	0.00	-	-	-	-	1296
3	26	17	-	68	68	68	0.00	-	-	-	-	1296

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	26	18	-	68	68	68	0.00	-	-	-	-	1299
3	26	19	-	68	68	68	0.00	-	-	-	-	1323
3	26	20	-	68	68	68	0.00	-	-	-	-	1407
3	26	21	-	68	68	68	0.00	-	-	-	-	1419
3	26	22	-	68	68	68	0.00	-	-	-	-	1363
3	26	23	-	68	68	68	0.00	-	-	-	-	1271
3	26	24	-	68	68	68	0.00	-	-	-	-	1237
3	27	1	-	68	68	68	0.00	-	-	-	-	1073
3	27	2	-	68	68	68	0.00	-	-	-	-	1004
3	27	3	-	68	68	68	0.00	-	-	-	-	964
3	27	4	-	68	68	68	0.00	-	-	-	-	938
3	27	5	-	68	68	68	0.00	-	-	-	-	930
3	27	6	-	68	68	68	0.00	-	-	-	-	938
3	27	7	-	68	68	68	0.00	-	-	-	-	971
3	27	8	-	68	68	68	0.00	-	-	-	-	1000
3	27	9	-	68	68	68	0.00	-	-	-	-	1055
3	27	10	-	68	68	68	0.00	-	-	-	-	1104
3	27	11	-	68	68	68	0.00	-	-	-	-	1136
3	27	12	-	68	68	68	0.00	-	-	-	-	1160

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	27	13	-	68	68	68	0.00	-	-	-	-	1173
3	27	14	-	68	68	68	0.00	-	-	-	-	1181
3	27	15	-	68	68	68	0.00	-	-	-	-	1182
3	27	16	-	68	68	68	0.00	-	-	-	-	1179
3	27	17	-	68	68	68	0.00	-	-	-	-	1177
3	27	18	-	68	68	68	0.00	-	-	-	-	1185
3	27	19	-	68	68	68	0.00	-	-	-	-	1223
3	27	20	-	68	68	68	0.00	-	-	-	-	1336
3	27	21	-	68	68	68	0.00	-	-	-	-	1359
3	27	22	-	68	68	68	0.00	-	-	-	-	1308
3	27	23	-	68	68	68	0.00	-	-	-	-	1252
3	27	24	-	68	68	68	0.00	-	-	-	-	1146
3	28	1	-	68	68	68	0.00	-	-	-	-	1064
3	28	2	-	68	68	68	0.00	-	-	-	-	1010
3	28	3	-	68	68	68	0.00	-	-	-	-	983
3	28	4	-	68	68	68	0.00	-	-	-	-	973
3	28	5	-	68	68	68	0.00	-	-	-	-	994
3	28	6	-	68	68	68	0.00	-	-	-	-	1061
3	28	7	-	68	68	68	0.00	-	-	-	-	1174

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	28	8	-	68	68	68	0.00	-	-	-	-	1264
3	28	9	-	68	68	68	0.00	-	-	-	-	1321
3	28	10	-	68	68	68	0.00	-	-	-	-	1373
3	28	11	-	68	68	68	0.00	-	-	-	-	1413
3	28	12	-	68	68	68	0.00	-	-	-	-	1425
3	28	13	-	68	68	68	0.00	-	-	-	-	1418
3	28	14	-	68	68	68	0.00	-	-	-	-	1413
3	28	15	-	68	68	68	0.00	-	-	-	-	1399
3	28	16	-	68	68	68	0.00	-	-	-	-	1385
3	28	17	-	68	68	68	0.00	-	-	-	-	1374
3	28	18	-	68	68	68	0.00	-	-	-	-	1367
3	28	19	-	68	68	68	0.00	-	-	-	-	1412
3	28	20	-	68	68	68	0.00	-	-	-	-	1520
3	28	21	-	68	68	68	0.00	-	-	-	-	1530
3	28	22	-	68	68	68	0.00	-	-	-	-	1456
3	28	23	-	68	68	68	0.00	-	-	-	-	1334
3	28	24	-	68	68	68	0.00	-	-	-	-	1323
3	29	1	-	68	68	68	0.00	-	-	-	-	1118
3	29	2	-	68	68	68	0.00	-	-	-	-	1062

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	29	3	-	68	68	68	0.00	-	-	-	-	1031
3	29	4	-	68	68	68	0.00	-	-	-	-	1025
3	29	5	-	68	68	68	0.00	-	-	-	-	1044
3	29	6	-	68	68	68	0.00	-	-	-	-	1121
3	29	7	-	68	68	68	0.00	-	-	-	-	1248
3	29	8	-	68	68	68	0.00	-	-	-	-	1325
3	29	9	-	68	68	68	0.00	-	-	-	-	1360
3	29	10	-	68	68	68	0.00	-	-	-	-	1391
3	29	11	-	68	68	68	0.00	-	-	-	-	1412
3	29	12	-	68	68	68	0.00	-	-	-	-	1423
3	29	13	-	68	68	68	0.00	-	-	-	-	1425
3	29	14	-	68	68	68	0.00	-	-	-	-	1426
3	29	15	-	68	68	68	0.00	-	-	-	-	1422
3	29	16	-	68	68	68	0.00	-	-	-	-	1410
3	29	17	-	68	68	68	0.00	-	-	-	-	1394
3	29	18	-	68	68	68	0.00	-	-	-	-	1393
3	29	19	-	68	68	68	0.00	-	-	-	-	1427
3	29	20	-	68	68	68	0.00	-	-	-	-	1532
3	29	21	-	68	68	68	0.00	-	-	-	-	1553

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	29	22	-	68	68	68	0.00	-	-	-	-	1480
3	29	23	-	68	68	68	0.00	-	-	-	-	1359
3	29	24	-	68	68	68	0.00	-	-	-	-	1352
3	30	1	-	68	68	68	0.00	-	-	-	-	1144
3	30	2	-	68	68	68	0.00	-	-	-	-	1085
3	30	3	-	68	68	68	0.00	-	-	-	-	1052
3	30	4	-	68	68	68	0.00	-	-	-	-	1043
3	30	5	-	68	68	68	0.00	-	-	-	-	1066
3	30	6	-	68	68	68	0.00	-	-	-	-	1139
3	30	7	-	68	68	68	0.00	-	-	-	-	1268
3	30	8	-	68	68	68	0.00	-	-	-	-	1347
3	30	9	-	68	68	68	0.00	-	-	-	-	1379
3	30	10	-	68	68	68	0.00	-	-	-	-	1404
3	30	11	-	68	68	68	0.00	-	-	-	-	1429
3	30	12	-	68	68	68	0.00	-	-	-	-	1439
3	30	13	-	68	68	68	0.00	-	-	-	-	1440
3	30	14	-	68	68	68	0.00	-	-	-	-	1432
3	30	15	-	68	68	68	0.00	-	-	-	-	1424
3	30	16	-	68	68	68	0.00	-	-	-	-	1411

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	30	17	-	68	68	68	0.00	-	-	-	-	1392
3	30	18	-	68	68	68	0.00	-	-	-	-	1379
3	30	19	-	68	68	68	0.00	-	-	-	-	1408
3	30	20	-	68	68	68	0.00	-	-	-	-	1520
3	30	21	-	68	68	68	0.00	-	-	-	-	1544
3	30	22	-	68	68	68	0.00	-	-	-	-	1477
3	30	23	-	68	68	68	0.00	-	-	-	-	1358
3	30	24	-	68	68	68	0.00	-	-	-	-	1364
3	31	1	-	68	68	68	0.00	-	-	-	-	1027
3	31	2	-	68	68	68	0.00	-	-	-	-	946
3	31	3	-	68	68	68	0.00	-	-	-	-	915
3	31	4	-	68	68	68	0.00	-	-	-	-	906
3	31	5	-	68	68	68	0.00	-	-	-	-	927
3	31	6	-	68	68	68	0.00	-	-	-	-	994
3	31	7	-	68	68	68	0.00	-	-	-	-	1113
3	31	8	-	68	68	68	0.00	-	-	-	-	1173
3	31	9	-	68	68	68	0.00	-	-	-	-	1184
3	31	10	-	68	68	68	0.00	-	-	-	-	1211
3	31	11	-	68	68	68	0.00	-	-	-	-	1235

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
3	31	12	-	68	68	68	0.00	-	-	-	-	1248
3	31	13	-	68	68	68	0.00	-	-	-	-	1249
3	31	14	-	68	68	68	0.00	-	-	-	-	1261
3	31	15	-	68	68	68	0.00	-	-	-	-	1260
3	31	16	-	68	68	68	0.00	-	-	-	-	1250
3	31	17	-	68	68	68	0.00	-	-	-	-	1241
3	31	18	-	68	68	68	0.00	-	-	-	-	1238
3	31	19	-	68	68	68	0.00	-	-	-	-	1253
3	31	20	-	68	68	68	0.00	-	-	-	-	1347
3	31	21	-	68	68	68	0.00	-	-	-	-	1370
3	31	22	-	68	68	68	0.00	-	-	-	-	1307
3	31	23	-	68	68	68	0.00	-	-	-	-	1196
3	31	24	-	68	68	68	0.00	-	-	-	-	1172
4	1	1	-	70	70	70	0.00	-	-	-	-	1136
4	1	2	-	70	70	70	0.00	-	-	-	-	1080
4	1	3	-	70	70	70	0.00	-	-	-	-	1047
4	1	4	-	70	70	70	0.00	-	-	-	-	1035
4	1	5	-	70	70	70	0.00	-	-	-	-	1054
4	1	6	-	70	70	70	0.00	-	-	-	-	1105

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	1	7	-	70	70	70	0.00	-	-	-	-	1201
4	1	8	-	70	70	70	0.00	-	-	-	-	1311
4	1	9	-	70	70	70	0.00	-	-	-	-	1353
4	1	10	-	70	70	70	0.00	-	-	-	-	1395
4	1	11	-	70	70	70	0.00	-	-	-	-	1431
4	1	12	-	70	70	70	0.00	-	-	-	-	1450
4	1	13	-	70	70	70	0.00	-	-	-	-	1454
4	1	14	-	70	70	70	0.00	-	-	-	-	1458
4	1	15	-	70	70	70	0.00	-	-	-	-	1425
4	1	16	-	70	70	70	0.00	-	-	-	-	1401
4	1	17	-	70	70	70	0.00	-	-	-	-	1385
4	1	18	-	70	70	70	0.00	-	-	-	-	1365
4	1	19	-	70	70	70	0.00	-	-	-	-	1371
4	1	20	-	70	70	70	0.00	-	-	-	-	1456
4	1	21	-	70	70	70	0.00	-	-	-	-	1474
4	1	22	-	70	70	70	0.00	-	-	-	-	1415
4	1	23	-	70	70	70	0.00	-	-	-	-	1311
4	1	24	-	70	70	70	0.00	-	-	-	-	1374
4	2	1	-	70	70	70	0.00	-	-	-	-	1085

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	2	2	-	70	70	70	0.00	-	-	-	-	1021
4	2	3	-	70	70	70	0.00	-	-	-	-	990
4	2	4	-	70	70	70	0.00	-	-	-	-	971
4	2	5	-	70	70	70	0.00	-	-	-	-	972
4	2	6	-	70	70	70	0.00	-	-	-	-	995
4	2	7	-	70	70	70	0.00	-	-	-	-	1048
4	2	8	-	70	70	70	0.00	-	-	-	-	1087
4	2	9	-	70	70	70	0.00	-	-	-	-	1147
4	2	10	-	70	70	70	0.00	-	-	-	-	1210
4	2	11	-	70	70	70	0.00	-	-	-	-	1256
4	2	12	-	70	70	70	0.00	-	-	-	-	1282
4	2	13	-	70	70	70	0.00	-	-	-	-	1296
4	2	14	-	70	70	70	0.00	-	-	-	-	1299
4	2	15	-	70	70	70	0.00	-	-	-	-	1299
4	2	16	-	70	70	70	0.00	-	-	-	-	1306
4	2	17	-	70	70	70	0.00	-	-	-	-	1308
4	2	18	-	70	70	70	0.00	-	-	-	-	1312
4	2	19	-	70	70	70	0.00	-	-	-	-	1330
4	2	20	-	70	70	70	0.00	-	-	-	-	1410

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	2	21	-	70	70	70	0.00	-	-	-	-	1429
4	2	22	-	70	70	70	0.00	-	-	-	-	1370
4	2	23	-	70	70	70	0.00	-	-	-	-	1280
4	2	24	-	70	70	70	0.00	-	-	-	-	1252
4	3	1	-	70	70	70	0.00	-	-	-	-	1079
4	3	2	-	70	70	70	0.00	-	-	-	-	1015
4	3	3	-	70	70	70	0.00	-	-	-	-	973
4	3	4	-	70	70	70	0.00	-	-	-	-	949
4	3	5	-	70	70	70	0.00	-	-	-	-	942
4	3	6	-	70	70	70	0.00	-	-	-	-	952
4	3	7	-	70	70	70	0.00	-	-	-	-	986
4	3	8	-	70	70	70	0.00	-	-	-	-	1010
4	3	9	-	70	70	70	0.00	-	-	-	-	1062
4	3	10	-	70	70	70	0.00	-	-	-	-	1118
4	3	11	-	70	70	70	0.00	-	-	-	-	1165
4	3	12	-	70	70	70	0.00	-	-	-	-	1201
4	3	13	-	70	70	70	0.00	-	-	-	-	1225
4	3	14	-	70	70	70	0.00	-	-	-	-	1241
4	3	15	-	70	70	70	0.00	-	-	-	-	1256

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	3	16	-	70	70	70	0.00	-	-	-	-	1265
4	3	17	-	70	70	70	0.00	-	-	-	-	1268
4	3	18	-	70	70	70	0.00	-	-	-	-	1280
4	3	19	-	70	70	70	0.00	-	-	-	-	1316
4	3	20	-	70	70	70	0.00	-	-	-	-	1412
4	3	21	-	70	70	70	0.00	-	-	-	-	1435
4	3	22	-	70	70	70	0.00	-	-	-	-	1367
4	3	23	-	70	70	70	0.00	-	-	-	-	1251
4	3	24	-	70	70	70	0.00	-	-	-	-	1194
4	4	1	-	70	70	70	0.00	-	-	-	-	1039
4	4	2	-	70	70	70	0.00	-	-	-	-	985
4	4	3	-	70	70	70	0.00	-	-	-	-	953
4	4	4	-	70	70	70	0.00	-	-	-	-	945
4	4	5	-	70	70	70	0.00	-	-	-	-	971
4	4	6	-	70	70	70	0.00	-	-	-	-	1043
4	4	7	-	70	70	70	0.00	-	-	-	-	1172
4	4	8	-	70	70	70	0.00	-	-	-	-	1253
4	4	9	-	70	70	70	0.00	-	-	-	-	1302
4	4	10	-	70	70	70	0.00	-	-	-	-	1357

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	4	11	-	70	70	70	0.00	-	-	-	-	1410
4	4	12	-	70	70	70	0.00	-	-	-	-	1451
4	4	13	-	70	70	70	0.00	-	-	-	-	1473
4	4	14	-	70	70	70	0.00	-	-	-	-	1499
4	4	15	-	70	70	70	0.00	-	-	-	-	1518
4	4	16	-	70	70	70	0.00	-	-	-	-	1526
4	4	17	-	70	70	70	0.00	-	-	-	-	1517
4	4	18	-	70	70	70	0.00	-	-	-	-	1500
4	4	19	-	70	70	70	0.00	-	-	-	-	1497
4	4	20	-	70	70	70	0.00	-	-	-	-	1563
4	4	21	-	70	70	70	0.00	-	-	-	-	1568
4	4	22	-	70	70	70	0.00	-	-	-	-	1476
4	4	23	-	70	70	70	0.00	-	-	-	-	1330
4	4	24	-	70	70	70	0.00	-	-	-	-	1373
4	5	1	-	70	70	70	0.00	-	-	-	-	1090
4	5	2	-	70	70	70	0.00	-	-	-	-	1028
4	5	3	-	70	70	70	0.00	-	-	-	-	986
4	5	4	-	70	70	70	0.00	-	-	-	-	966
4	5	5	-	70	70	70	0.00	-	-	-	-	984

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	5	6	-	70	70	70	0.00	-	-	-	-	1053
4	5	7	-	70	70	70	0.00	-	-	-	-	1177
4	5	8	-	70	70	70	0.00	-	-	-	-	1256
4	5	9	-	70	70	70	0.00	-	-	-	-	1306
4	5	10	-	70	70	70	0.00	-	-	-	-	1365
4	5	11	-	70	70	70	0.00	-	-	-	-	1427
4	5	12	-	70	70	70	0.00	-	-	-	-	1473
4	5	13	-	70	70	70	0.00	-	-	-	-	1508
4	5	14	-	70	70	70	0.00	-	-	-	-	1552
4	5	15	-	70	70	70	0.00	-	-	-	-	1597
4	5	16	-	70	70	70	0.00	-	-	-	-	1625
4	5	17	-	70	70	70	0.00	-	-	-	-	1638
4	5	18	-	70	70	70	0.00	-	-	-	-	1624
4	5	19	-	70	70	70	0.00	-	-	-	-	1597
4	5	20	-	70	70	70	0.00	-	-	-	-	1642
4	5	21	-	70	70	70	0.00	-	-	-	-	1639
4	5	22	-	70	70	70	0.00	-	-	-	-	1534
4	5	23	-	70	70	70	0.00	-	-	-	-	1379
4	5	24	-	70	70	70	0.00	-	-	-	-	1406

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	6	1	-	70	70	70	0.00	-	-	-	-	1123
4	6	2	-	70	70	70	0.00	-	-	-	-	1050
4	6	3	-	70	70	70	0.00	-	-	-	-	1007
4	6	4	-	70	70	70	0.00	-	-	-	-	990
4	6	5	-	70	70	70	0.00	-	-	-	-	998
4	6	6	-	70	70	70	0.00	-	-	-	-	1063
4	6	7	-	70	70	70	0.00	-	-	-	-	1182
4	6	8	-	70	70	70	0.00	-	-	-	-	1262
4	6	9	-	70	70	70	0.00	-	-	-	-	1327
4	6	10	-	70	70	70	0.00	-	-	-	-	1402
4	6	11	-	70	70	70	0.00	-	-	-	-	1479
4	6	12	-	70	70	70	0.00	-	-	-	-	1551
4	6	13	-	70	70	70	0.00	-	-	-	-	1596
4	6	14	-	70	70	70	0.00	-	-	-	-	1629
4	6	15	-	70	70	70	0.00	-	-	-	-	1637
4	6	16	-	70	70	70	0.00	-	-	-	-	1635
4	6	17	-	70	70	70	0.00	-	-	-	-	1612
4	6	18	-	70	70	70	0.00	-	-	-	-	1548
4	6	19	-	70	70	70	0.00	-	-	-	-	1528

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	6	20	-	70	70	70	0.00	-	-	-	-	1589
4	6	21	-	70	70	70	0.00	-	-	-	-	1579
4	6	22	-	70	70	70	0.00	-	-	-	-	1488
4	6	23	-	70	70	70	0.00	-	-	-	-	1342
4	6	24	-	70	70	70	0.00	-	-	-	-	1460
4	7	1	-	70	70	70	0.00	-	-	-	-	1105
4	7	2	-	70	70	70	0.00	-	-	-	-	1041
4	7	3	-	70	70	70	0.00	-	-	-	-	1000
4	7	4	-	70	70	70	0.00	-	-	-	-	984
4	7	5	-	70	70	70	0.00	-	-	-	-	1000
4	7	6	-	70	70	70	0.00	-	-	-	-	1066
4	7	7	-	70	70	70	0.00	-	-	-	-	1194
4	7	8	-	70	70	70	0.00	-	-	-	-	1281
4	7	9	-	70	70	70	0.00	-	-	-	-	1329
4	7	10	-	70	70	70	0.00	-	-	-	-	1384
4	7	11	-	70	70	70	0.00	-	-	-	-	1428
4	7	12	-	70	70	70	0.00	-	-	-	-	1447
4	7	13	-	70	70	70	0.00	-	-	-	-	1454
4	7	14	-	70	70	70	0.00	-	-	-	-	1458

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	7	15	-	70	70	70	0.00	-	-	-	-	1447
4	7	16	-	70	70	70	0.00	-	-	-	-	1429
4	7	17	-	70	70	70	0.00	-	-	-	-	1417
4	7	18	-	70	70	70	0.00	-	-	-	-	1405
4	7	19	-	70	70	70	0.00	-	-	-	-	1423
4	7	20	-	70	70	70	0.00	-	-	-	-	1498
4	7	21	-	70	70	70	0.00	-	-	-	-	1497
4	7	22	-	70	70	70	0.00	-	-	-	-	1418
4	7	23	-	70	70	70	0.00	-	-	-	-	1294
4	7	24	-	70	70	70	0.00	-	-	-	-	1359
4	8	1	-	70	70	70	0.00	-	-	-	-	1076
4	8	2	-	70	70	70	0.00	-	-	-	-	1017
4	8	3	-	70	70	70	0.00	-	-	-	-	978
4	8	4	-	70	70	70	0.00	-	-	-	-	966
4	8	5	-	70	70	70	0.00	-	-	-	-	984
4	8	6	-	70	70	70	0.00	-	-	-	-	1047
4	8	7	-	70	70	70	0.00	-	-	-	-	1175
4	8	8	-	70	70	70	0.00	-	-	-	-	1277
4	8	9	-	70	70	70	0.00	-	-	-	-	1349

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	8	10	-	70	70	70	0.00	-	-	-	-	1411
4	8	11	-	70	70	70	0.00	-	-	-	-	1449
4	8	12	-	70	70	70	0.00	-	-	-	-	1455
4	8	13	-	70	70	70	0.00	-	-	-	-	1450
4	8	14	-	70	70	70	0.00	-	-	-	-	1445
4	8	15	-	70	70	70	0.00	-	-	-	-	1425
4	8	16	-	70	70	70	0.00	-	-	-	-	1409
4	8	17	-	70	70	70	0.00	-	-	-	-	1397
4	8	18	-	70	70	70	0.00	-	-	-	-	1390
4	8	19	-	70	70	70	0.00	-	-	-	-	1418
4	8	20	-	70	70	70	0.00	-	-	-	-	1474
4	8	21	-	70	70	70	0.00	-	-	-	-	1467
4	8	22	-	70	70	70	0.00	-	-	-	-	1407
4	8	23	-	70	70	70	0.00	-	-	-	-	1304
4	8	24	-	70	70	70	0.00	-	-	-	-	1359
4	9	1	-	70	70	70	0.00	-	-	-	-	1096
4	9	2	-	70	70	70	0.00	-	-	-	-	1034
4	9	3	-	70	70	70	0.00	-	-	-	-	993
4	9	4	-	70	70	70	0.00	-	-	-	-	970

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	9	5	-	70	70	70	0.00	-	-	-	-	967
4	9	6	-	70	70	70	0.00	-	-	-	-	983
4	9	7	-	70	70	70	0.00	-	-	-	-	1036
4	9	8	-	70	70	70	0.00	-	-	-	-	1081
4	9	9	-	70	70	70	0.00	-	-	-	-	1162
4	9	10	-	70	70	70	0.00	-	-	-	-	1233
4	9	11	-	70	70	70	0.00	-	-	-	-	1280
4	9	12	-	70	70	70	0.00	-	-	-	-	1291
4	9	13	-	70	70	70	0.00	-	-	-	-	1290
4	9	14	-	70	70	70	0.00	-	-	-	-	1266
4	9	15	-	70	70	70	0.00	-	-	-	-	1252
4	9	16	-	70	70	70	0.00	-	-	-	-	1239
4	9	17	-	70	70	70	0.00	-	-	-	-	1234
4	9	18	-	70	70	70	0.00	-	-	-	-	1246
4	9	19	-	70	70	70	0.00	-	-	-	-	1282
4	9	20	-	70	70	70	0.00	-	-	-	-	1363
4	9	21	-	70	70	70	0.00	-	-	-	-	1381
4	9	22	-	70	70	70	0.00	-	-	-	-	1333
4	9	23	-	70	70	70	0.00	-	-	-	-	1249

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	9	24	-	70	70	70	0.00	-	-	-	-	1240
4	10	1	-	70	70	70	0.00	-	-	-	-	1066
4	10	2	-	70	70	70	0.00	-	-	-	-	1004
4	10	3	-	70	70	70	0.00	-	-	-	-	963
4	10	4	-	70	70	70	0.00	-	-	-	-	940
4	10	5	-	70	70	70	0.00	-	-	-	-	933
4	10	6	-	70	70	70	0.00	-	-	-	-	944
4	10	7	-	70	70	70	0.00	-	-	-	-	973
4	10	8	-	70	70	70	0.00	-	-	-	-	1000
4	10	9	-	70	70	70	0.00	-	-	-	-	1059
4	10	10	-	70	70	70	0.00	-	-	-	-	1114
4	10	11	-	70	70	70	0.00	-	-	-	-	1157
4	10	12	-	70	70	70	0.00	-	-	-	-	1179
4	10	13	-	70	70	70	0.00	-	-	-	-	1193
4	10	14	-	70	70	70	0.00	-	-	-	-	1199
4	10	15	-	70	70	70	0.00	-	-	-	-	1200
4	10	16	-	70	70	70	0.00	-	-	-	-	1198
4	10	17	-	70	70	70	0.00	-	-	-	-	1206
4	10	18	-	70	70	70	0.00	-	-	-	-	1228

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	10	19	-	70	70	70	0.00	-	-	-	-	1275
4	10	20	-	70	70	70	0.00	-	-	-	-	1376
4	10	21	-	70	70	70	0.00	-	-	-	-	1405
4	10	22	-	70	70	70	0.00	-	-	-	-	1343
4	10	23	-	70	70	70	0.00	-	-	-	-	1232
4	10	24	-	70	70	70	0.00	-	-	-	-	1164
4	11	1	-	70	70	70	0.00	-	-	-	-	1026
4	11	2	-	70	70	70	0.00	-	-	-	-	971
4	11	3	-	70	70	70	0.00	-	-	-	-	943
4	11	4	-	70	70	70	0.00	-	-	-	-	936
4	11	5	-	70	70	70	0.00	-	-	-	-	966
4	11	6	-	70	70	70	0.00	-	-	-	-	1040
4	11	7	-	70	70	70	0.00	-	-	-	-	1171
4	11	8	-	70	70	70	0.00	-	-	-	-	1254
4	11	9	-	70	70	70	0.00	-	-	-	-	1296
4	11	10	-	70	70	70	0.00	-	-	-	-	1348
4	11	11	-	70	70	70	0.00	-	-	-	-	1394
4	11	12	-	70	70	70	0.00	-	-	-	-	1422
4	11	13	-	70	70	70	0.00	-	-	-	-	1431

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	11	14	-	70	70	70	0.00	-	-	-	-	1442
4	11	15	-	70	70	70	0.00	-	-	-	-	1436
4	11	16	-	70	70	70	0.00	-	-	-	-	1434
4	11	17	-	70	70	70	0.00	-	-	-	-	1425
4	11	18	-	70	70	70	0.00	-	-	-	-	1409
4	11	19	-	70	70	70	0.00	-	-	-	-	1415
4	11	20	-	70	70	70	0.00	-	-	-	-	1499
4	11	21	-	70	70	70	0.00	-	-	-	-	1527
4	11	22	-	70	70	70	0.00	-	-	-	-	1443
4	11	23	-	70	70	70	0.00	-	-	-	-	1304
4	11	24	-	70	70	70	0.00	-	-	-	-	1338
4	12	1	-	70	70	70	0.00	-	-	-	-	1071
4	12	2	-	70	70	70	0.00	-	-	-	-	1015
4	12	3	-	70	70	70	0.00	-	-	-	-	977
4	12	4	-	70	70	70	0.00	-	-	-	-	967
4	12	5	-	70	70	70	0.00	-	-	-	-	986
4	12	6	-	70	70	70	0.00	-	-	-	-	1058
4	12	7	-	70	70	70	0.00	-	-	-	-	1189
4	12	8	-	70	70	70	0.00	-	-	-	-	1269

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	12	9	-	70	70	70	0.00	-	-	-	-	1309
4	12	10	-	70	70	70	0.00	-	-	-	-	1363
4	12	11	-	70	70	70	0.00	-	-	-	-	1413
4	12	12	-	70	70	70	0.00	-	-	-	-	1436
4	12	13	-	70	70	70	0.00	-	-	-	-	1450
4	12	14	-	70	70	70	0.00	-	-	-	-	1460
4	12	15	-	70	70	70	0.00	-	-	-	-	1462
4	12	16	-	70	70	70	0.00	-	-	-	-	1461
4	12	17	-	70	70	70	0.00	-	-	-	-	1450
4	12	18	-	70	70	70	0.00	-	-	-	-	1427
4	12	19	-	70	70	70	0.00	-	-	-	-	1426
4	12	20	-	70	70	70	0.00	-	-	-	-	1503
4	12	21	-	70	70	70	0.00	-	-	-	-	1532
4	12	22	-	70	70	70	0.00	-	-	-	-	1452
4	12	23	-	70	70	70	0.00	-	-	-	-	1316
4	12	24	-	70	70	70	0.00	-	-	-	-	1354
4	13	1	-	70	70	70	0.00	-	-	-	-	1077
4	13	2	-	70	70	70	0.00	-	-	-	-	1019
4	13	3	-	70	70	70	0.00	-	-	-	-	982

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	13	4	-	70	70	70	0.00	-	-	-	-	969
4	13	5	-	70	70	70	0.00	-	-	-	-	989
4	13	6	-	70	70	70	0.00	-	-	-	-	1059
4	13	7	-	70	70	70	0.00	-	-	-	-	1188
4	13	8	-	70	70	70	0.00	-	-	-	-	1273
4	13	9	-	70	70	70	0.00	-	-	-	-	1314
4	13	10	-	70	70	70	0.00	-	-	-	-	1358
4	13	11	-	70	70	70	0.00	-	-	-	-	1403
4	13	12	-	70	70	70	0.00	-	-	-	-	1433
4	13	13	-	70	70	70	0.00	-	-	-	-	1449
4	13	14	-	70	70	70	0.00	-	-	-	-	1461
4	13	15	-	70	70	70	0.00	-	-	-	-	1465
4	13	16	-	70	70	70	0.00	-	-	-	-	1460
4	13	17	-	70	70	70	0.00	-	-	-	-	1447
4	13	18	-	70	70	70	0.00	-	-	-	-	1428
4	13	19	-	70	70	70	0.00	-	-	-	-	1424
4	13	20	-	70	70	70	0.00	-	-	-	-	1507
4	13	21	-	70	70	70	0.00	-	-	-	-	1537
4	13	22	-	70	70	70	0.00	-	-	-	-	1461

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	13	23	-	70	70	70	0.00	-	-	-	-	1326
4	13	24	-	70	70	70	0.00	-	-	-	-	1357
4	14	1	-	70	70	70	0.00	-	-	-	-	1089
4	14	2	-	70	70	70	0.00	-	-	-	-	1030
4	14	3	-	70	70	70	0.00	-	-	-	-	993
4	14	4	-	70	70	70	0.00	-	-	-	-	980
4	14	5	-	70	70	70	0.00	-	-	-	-	994
4	14	6	-	70	70	70	0.00	-	-	-	-	1064
4	14	7	-	70	70	70	0.00	-	-	-	-	1193
4	14	8	-	70	70	70	0.00	-	-	-	-	1278
4	14	9	-	70	70	70	0.00	-	-	-	-	1315
4	14	10	-	70	70	70	0.00	-	-	-	-	1356
4	14	11	-	70	70	70	0.00	-	-	-	-	1401
4	14	12	-	70	70	70	0.00	-	-	-	-	1429
4	14	13	-	70	70	70	0.00	-	-	-	-	1449
4	14	14	-	70	70	70	0.00	-	-	-	-	1462
4	14	15	-	70	70	70	0.00	-	-	-	-	1465
4	14	16	-	70	70	70	0.00	-	-	-	-	1455
4	14	17	-	70	70	70	0.00	-	-	-	-	1438

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	14	18	-	70	70	70	0.00	-	-	-	-	1413
4	14	19	-	70	70	70	0.00	-	-	-	-	1406
4	14	20	-	70	70	70	0.00	-	-	-	-	1494
4	14	21	-	70	70	70	0.00	-	-	-	-	1528
4	14	22	-	70	70	70	0.00	-	-	-	-	1450
4	14	23	-	70	70	70	0.00	-	-	-	-	1314
4	14	24	-	70	70	70	0.00	-	-	-	-	1358
4	15	1	-	70	70	70	0.00	-	-	-	-	1088
4	15	2	-	70	70	70	0.00	-	-	-	-	1026
4	15	3	-	70	70	70	0.00	-	-	-	-	989
4	15	4	-	70	70	70	0.00	-	-	-	-	980
4	15	5	-	70	70	70	0.00	-	-	-	-	999
4	15	6	-	70	70	70	0.00	-	-	-	-	1065
4	15	7	-	70	70	70	0.00	-	-	-	-	1185
4	15	8	-	70	70	70	0.00	-	-	-	-	1267
4	15	9	-	70	70	70	0.00	-	-	-	-	1308
4	15	10	-	70	70	70	0.00	-	-	-	-	1357
4	15	11	-	70	70	70	0.00	-	-	-	-	1395
4	15	12	-	70	70	70	0.00	-	-	-	-	1412

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	15	13	-	70	70	70	0.00	-	-	-	-	1423
4	15	14	-	70	70	70	0.00	-	-	-	-	1436
4	15	15	-	70	70	70	0.00	-	-	-	-	1432
4	15	16	-	70	70	70	0.00	-	-	-	-	1428
4	15	17	-	70	70	70	0.00	-	-	-	-	1426
4	15	18	-	70	70	70	0.00	-	-	-	-	1406
4	15	19	-	70	70	70	0.00	-	-	-	-	1397
4	15	20	-	70	70	70	0.00	-	-	-	-	1457
4	15	21	-	70	70	70	0.00	-	-	-	-	1496
4	15	22	-	70	70	70	0.00	-	-	-	-	1439
4	15	23	-	70	70	70	0.00	-	-	-	-	1331
4	15	24	-	70	70	70	0.00	-	-	-	-	1343
4	16	1	-	70	70	70	0.00	-	-	-	-	1109
4	16	2	-	70	70	70	0.00	-	-	-	-	1039
4	16	3	-	70	70	70	0.00	-	-	-	-	999
4	16	4	-	70	70	70	0.00	-	-	-	-	979
4	16	5	-	70	70	70	0.00	-	-	-	-	975
4	16	6	-	70	70	70	0.00	-	-	-	-	993
4	16	7	-	70	70	70	0.00	-	-	-	-	1036

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	16	8	-	70	70	70	0.00	-	-	-	-	1081
4	16	9	-	70	70	70	0.00	-	-	-	-	1157
4	16	10	-	70	70	70	0.00	-	-	-	-	1230
4	16	11	-	70	70	70	0.00	-	-	-	-	1283
4	16	12	-	70	70	70	0.00	-	-	-	-	1315
4	16	13	-	70	70	70	0.00	-	-	-	-	1332
4	16	14	-	70	70	70	0.00	-	-	-	-	1340
4	16	15	-	70	70	70	0.00	-	-	-	-	1348
4	16	16	-	70	70	70	0.00	-	-	-	-	1361
4	16	17	-	70	70	70	0.00	-	-	-	-	1365
4	16	18	-	70	70	70	0.00	-	-	-	-	1366
4	16	19	-	70	70	70	0.00	-	-	-	-	1374
4	16	20	-	70	70	70	0.00	-	-	-	-	1411
4	16	21	-	70	70	70	0.00	-	-	-	-	1449
4	16	22	-	70	70	70	0.00	-	-	-	-	1389
4	16	23	-	70	70	70	0.00	-	-	-	-	1292
4	16	24	-	70	70	70	0.00	-	-	-	-	1280
4	17	1	-	70	70	70	0.00	-	-	-	-	1085
4	17	2	-	70	70	70	0.00	-	-	-	-	1023

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	17	3	-	70	70	70	0.00	-	-	-	-	982
4	17	4	-	70	70	70	0.00	-	-	-	-	958
4	17	5	-	70	70	70	0.00	-	-	-	-	949
4	17	6	-	70	70	70	0.00	-	-	-	-	955
4	17	7	-	70	70	70	0.00	-	-	-	-	974
4	17	8	-	70	70	70	0.00	-	-	-	-	1007
4	17	9	-	70	70	70	0.00	-	-	-	-	1079
4	17	10	-	70	70	70	0.00	-	-	-	-	1153
4	17	11	-	70	70	70	0.00	-	-	-	-	1221
4	17	12	-	70	70	70	0.00	-	-	-	-	1278
4	17	13	-	70	70	70	0.00	-	-	-	-	1321
4	17	14	-	70	70	70	0.00	-	-	-	-	1359
4	17	15	-	70	70	70	0.00	-	-	-	-	1400
4	17	16	-	70	70	70	0.00	-	-	-	-	1438
4	17	17	-	70	70	70	0.00	-	-	-	-	1462
4	17	18	-	70	70	70	0.00	-	-	-	-	1468
4	17	19	-	70	70	70	0.00	-	-	-	-	1469
4	17	20	-	70	70	70	0.00	-	-	-	-	1509
4	17	21	-	70	70	70	0.00	-	-	-	-	1540

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	17	22	-	70	70	70	0.00	-	-	-	-	1459
4	17	23	-	70	70	70	0.00	-	-	-	-	1323
4	17	24	-	70	70	70	0.00	-	-	-	-	1272
4	18	1	-	70	70	70	0.00	-	-	-	-	1074
4	18	2	-	70	70	70	0.00	-	-	-	-	1014
4	18	3	-	70	70	70	0.00	-	-	-	-	979
4	18	4	-	70	70	70	0.00	-	-	-	-	967
4	18	5	-	70	70	70	0.00	-	-	-	-	985
4	18	6	-	70	70	70	0.00	-	-	-	-	1056
4	18	7	-	70	70	70	0.00	-	-	-	-	1167
4	18	8	-	70	70	70	0.00	-	-	-	-	1256
4	18	9	-	70	70	70	0.00	-	-	-	-	1325
4	18	10	-	70	70	70	0.00	-	-	-	-	1409
4	18	11	-	70	70	70	0.00	-	-	-	-	1489
4	18	12	-	70	70	70	0.00	-	-	-	-	1552
4	18	13	-	70	70	70	0.00	-	-	-	-	1602
4	18	14	-	70	70	70	0.00	-	-	-	-	1656
4	18	15	-	70	70	70	0.00	-	-	-	-	1694
4	18	16	-	70	70	70	0.00	-	-	-	-	1730

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	18	17	-	70	70	70	0.00	-	-	-	-	1749
4	18	18	-	70	70	70	0.00	-	-	-	-	1729
4	18	19	-	70	70	70	0.00	-	-	-	-	1695
4	18	20	-	70	70	70	0.00	-	-	-	-	1714
4	18	21	-	70	70	70	0.00	-	-	-	-	1715
4	18	22	-	70	70	70	0.00	-	-	-	-	1600
4	18	23	-	70	70	70	0.00	-	-	-	-	1427
4	18	24	-	70	70	70	0.00	-	-	-	-	1480
4	19	1	-	70	70	70	0.00	-	-	-	-	1152
4	19	2	-	70	70	70	0.00	-	-	-	-	1081
4	19	3	-	70	70	70	0.00	-	-	-	-	1037
4	19	4	-	70	70	70	0.00	-	-	-	-	1019
4	19	5	-	70	70	70	0.00	-	-	-	-	1031
4	19	6	-	70	70	70	0.00	-	-	-	-	1094
4	19	7	-	70	70	70	0.00	-	-	-	-	1205
4	19	8	-	70	70	70	0.00	-	-	-	-	1290
4	19	9	-	70	70	70	0.00	-	-	-	-	1352
4	19	10	-	70	70	70	0.00	-	-	-	-	1437
4	19	11	-	70	70	70	0.00	-	-	-	-	1522

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	19	12	-	70	70	70	0.00	-	-	-	-	1592
4	19	13	-	70	70	70	0.00	-	-	-	-	1645
4	19	14	-	70	70	70	0.00	-	-	-	-	1702
4	19	15	-	70	70	70	0.00	-	-	-	-	1757
4	19	16	-	70	70	70	0.00	-	-	-	-	1790
4	19	17	-	70	70	70	0.00	-	-	-	-	1792
4	19	18	-	70	70	70	0.00	-	-	-	-	1766
4	19	19	-	70	70	70	0.00	-	-	-	-	1724
4	19	20	-	70	70	70	0.00	-	-	-	-	1728
4	19	21	-	70	70	70	0.00	-	-	-	-	1727
4	19	22	-	70	70	70	0.00	-	-	-	-	1613
4	19	23	-	70	70	70	0.00	-	-	-	-	1435
4	19	24	-	70	70	70	0.00	-	-	-	-	1517
4	20	1	-	70	70	70	0.00	-	-	-	-	1159
4	20	2	-	70	70	70	0.00	-	-	-	-	1087
4	20	3	-	70	70	70	0.00	-	-	-	-	1040
4	20	4	-	70	70	70	0.00	-	-	-	-	1016
4	20	5	-	70	70	70	0.00	-	-	-	-	1023
4	20	6	-	70	70	70	0.00	-	-	-	-	1092

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	20	7	-	70	70	70	0.00	-	-	-	-	1194
4	20	8	-	70	70	70	0.00	-	-	-	-	1281
4	20	9	-	70	70	70	0.00	-	-	-	-	1346
4	20	10	-	70	70	70	0.00	-	-	-	-	1429
4	20	11	-	70	70	70	0.00	-	-	-	-	1504
4	20	12	-	70	70	70	0.00	-	-	-	-	1566
4	20	13	-	70	70	70	0.00	-	-	-	-	1609
4	20	14	-	70	70	70	0.00	-	-	-	-	1663
4	20	15	-	70	70	70	0.00	-	-	-	-	1703
4	20	16	-	70	70	70	0.00	-	-	-	-	1731
4	20	17	-	70	70	70	0.00	-	-	-	-	1730
4	20	18	-	70	70	70	0.00	-	-	-	-	1700
4	20	19	-	70	70	70	0.00	-	-	-	-	1647
4	20	20	-	70	70	70	0.00	-	-	-	-	1658
4	20	21	-	70	70	70	0.00	-	-	-	-	1670
4	20	22	-	70	70	70	0.00	-	-	-	-	1566
4	20	23	-	70	70	70	0.00	-	-	-	-	1405
4	20	24	-	70	70	70	0.00	-	-	-	-	1481
4	21	1	-	70	70	70	0.00	-	-	-	-	1142

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	21	2	-	70	70	70	0.00	-	-	-	-	1070
4	21	3	-	70	70	70	0.00	-	-	-	-	1024
4	21	4	-	70	70	70	0.00	-	-	-	-	1008
4	21	5	-	70	70	70	0.00	-	-	-	-	1017
4	21	6	-	70	70	70	0.00	-	-	-	-	1075
4	21	7	-	70	70	70	0.00	-	-	-	-	1189
4	21	8	-	70	70	70	0.00	-	-	-	-	1269
4	21	9	-	70	70	70	0.00	-	-	-	-	1329
4	21	10	-	70	70	70	0.00	-	-	-	-	1400
4	21	11	-	70	70	70	0.00	-	-	-	-	1467
4	21	12	-	70	70	70	0.00	-	-	-	-	1515
4	21	13	-	70	70	70	0.00	-	-	-	-	1523
4	21	14	-	70	70	70	0.00	-	-	-	-	1572
4	21	15	-	70	70	70	0.00	-	-	-	-	1607
4	21	16	-	70	70	70	0.00	-	-	-	-	1624
4	21	17	-	70	70	70	0.00	-	-	-	-	1620
4	21	18	-	70	70	70	0.00	-	-	-	-	1590
4	21	19	-	70	70	70	0.00	-	-	-	-	1553
4	21	20	-	70	70	70	0.00	-	-	-	-	1584

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	21	21	-	70	70	70	0.00	-	-	-	-	1614
4	21	22	-	70	70	70	0.00	-	-	-	-	1527
4	21	23	-	70	70	70	0.00	-	-	-	-	1379
4	21	24	-	70	70	70	0.00	-	-	-	-	1409
4	22	1	-	70	70	70	0.00	-	-	-	-	1127
4	22	2	-	70	70	70	0.00	-	-	-	-	1060
4	22	3	-	70	70	70	0.00	-	-	-	-	1018
4	22	4	-	70	70	70	0.00	-	-	-	-	1001
4	22	5	-	70	70	70	0.00	-	-	-	-	1012
4	22	6	-	70	70	70	0.00	-	-	-	-	1072
4	22	7	-	70	70	70	0.00	-	-	-	-	1178
4	22	8	-	70	70	70	0.00	-	-	-	-	1268
4	22	9	-	70	70	70	0.00	-	-	-	-	1323
4	22	10	-	70	70	70	0.00	-	-	-	-	1389
4	22	11	-	70	70	70	0.00	-	-	-	-	1450
4	22	12	-	70	70	70	0.00	-	-	-	-	1487
4	22	13	-	70	70	70	0.00	-	-	-	-	1504
4	22	14	-	70	70	70	0.00	-	-	-	-	1522
4	22	15	-	70	70	70	0.00	-	-	-	-	1524

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	22	16	-	70	70	70	0.00	-	-	-	-	1523
4	22	17	-	70	70	70	0.00	-	-	-	-	1506
4	22	18	-	70	70	70	0.00	-	-	-	-	1471
4	22	19	-	70	70	70	0.00	-	-	-	-	1441
4	22	20	-	70	70	70	0.00	-	-	-	-	1488
4	22	21	-	70	70	70	0.00	-	-	-	-	1524
4	22	22	-	70	70	70	0.00	-	-	-	-	1454
4	22	23	-	70	70	70	0.00	-	-	-	-	1345
4	22	24	-	70	70	70	0.00	-	-	-	-	1396
4	23	1	-	70	70	70	0.00	-	-	-	-	1122
4	23	2	-	70	70	70	0.00	-	-	-	-	1053
4	23	3	-	70	70	70	0.00	-	-	-	-	1008
4	23	4	-	70	70	70	0.00	-	-	-	-	981
4	23	5	-	70	70	70	0.00	-	-	-	-	976
4	23	6	-	70	70	70	0.00	-	-	-	-	993
4	23	7	-	70	70	70	0.00	-	-	-	-	1019
4	23	8	-	70	70	70	0.00	-	-	-	-	1071
4	23	9	-	70	70	70	0.00	-	-	-	-	1148
4	23	10	-	70	70	70	0.00	-	-	-	-	1222

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	23	11	-	70	70	70	0.00	-	-	-	-	1275
4	23	12	-	70	70	70	0.00	-	-	-	-	1298
4	23	13	-	70	70	70	0.00	-	-	-	-	1306
4	23	14	-	70	70	70	0.00	-	-	-	-	1307
4	23	15	-	70	70	70	0.00	-	-	-	-	1309
4	23	16	-	70	70	70	0.00	-	-	-	-	1307
4	23	17	-	70	70	70	0.00	-	-	-	-	1312
4	23	18	-	70	70	70	0.00	-	-	-	-	1323
4	23	19	-	70	70	70	0.00	-	-	-	-	1334
4	23	20	-	70	70	70	0.00	-	-	-	-	1390
4	23	21	-	70	70	70	0.00	-	-	-	-	1436
4	23	22	-	70	70	70	0.00	-	-	-	-	1381
4	23	23	-	70	70	70	0.00	-	-	-	-	1288
4	23	24	-	70	70	70	0.00	-	-	-	-	1260
4	24	1	-	70	70	70	0.00	-	-	-	-	1091
4	24	2	-	70	70	70	0.00	-	-	-	-	1023
4	24	3	-	70	70	70	0.00	-	-	-	-	978
4	24	4	-	70	70	70	0.00	-	-	-	-	954
4	24	5	-	70	70	70	0.00	-	-	-	-	946

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	24	6	-	70	70	70	0.00	-	-	-	-	949
4	24	7	-	70	70	70	0.00	-	-	-	-	963
4	24	8	-	70	70	70	0.00	-	-	-	-	995
4	24	9	-	70	70	70	0.00	-	-	-	-	1058
4	24	10	-	70	70	70	0.00	-	-	-	-	1122
4	24	11	-	70	70	70	0.00	-	-	-	-	1181
4	24	12	-	70	70	70	0.00	-	-	-	-	1216
4	24	13	-	70	70	70	0.00	-	-	-	-	1229
4	24	14	-	70	70	70	0.00	-	-	-	-	1231
4	24	15	-	70	70	70	0.00	-	-	-	-	1237
4	24	16	-	70	70	70	0.00	-	-	-	-	1247
4	24	17	-	70	70	70	0.00	-	-	-	-	1252
4	24	18	-	70	70	70	0.00	-	-	-	-	1267
4	24	19	-	70	70	70	0.00	-	-	-	-	1292
4	24	20	-	70	70	70	0.00	-	-	-	-	1370
4	24	21	-	70	70	70	0.00	-	-	-	-	1426
4	24	22	-	70	70	70	0.00	-	-	-	-	1360
4	24	23	-	70	70	70	0.00	-	-	-	-	1243
4	24	24	-	70	70	70	0.00	-	-	-	-	1190

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	25	1	-	70	70	70	0.00	-	-	-	-	1040
4	25	2	-	70	70	70	0.00	-	-	-	-	987
4	25	3	-	70	70	70	0.00	-	-	-	-	957
4	25	4	-	70	70	70	0.00	-	-	-	-	948
4	25	5	-	70	70	70	0.00	-	-	-	-	970
4	25	6	-	70	70	70	0.00	-	-	-	-	1042
4	25	7	-	70	70	70	0.00	-	-	-	-	1157
4	25	8	-	70	70	70	0.00	-	-	-	-	1249
4	25	9	-	70	70	70	0.00	-	-	-	-	1303
4	25	10	-	70	70	70	0.00	-	-	-	-	1359
4	25	11	-	70	70	70	0.00	-	-	-	-	1401
4	25	12	-	70	70	70	0.00	-	-	-	-	1422
4	25	13	-	70	70	70	0.00	-	-	-	-	1424
4	25	14	-	70	70	70	0.00	-	-	-	-	1426
4	25	15	-	70	70	70	0.00	-	-	-	-	1418
4	25	16	-	70	70	70	0.00	-	-	-	-	1403
4	25	17	-	70	70	70	0.00	-	-	-	-	1386
4	25	18	-	70	70	70	0.00	-	-	-	-	1377
4	25	19	-	70	70	70	0.00	-	-	-	-	1390

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	25	20	-	70	70	70	0.00	-	-	-	-	1460
4	25	21	-	70	70	70	0.00	-	-	-	-	1512
4	25	22	-	70	70	70	0.00	-	-	-	-	1435
4	25	23	-	70	70	70	0.00	-	-	-	-	1300
4	25	24	-	70	70	70	0.00	-	-	-	-	1330
4	26	1	-	70	70	70	0.00	-	-	-	-	1079
4	26	2	-	70	70	70	0.00	-	-	-	-	1025
4	26	3	-	70	70	70	0.00	-	-	-	-	992
4	26	4	-	70	70	70	0.00	-	-	-	-	982
4	26	5	-	70	70	70	0.00	-	-	-	-	1002
4	26	6	-	70	70	70	0.00	-	-	-	-	1070
4	26	7	-	70	70	70	0.00	-	-	-	-	1190
4	26	8	-	70	70	70	0.00	-	-	-	-	1274
4	26	9	-	70	70	70	0.00	-	-	-	-	1316
4	26	10	-	70	70	70	0.00	-	-	-	-	1359
4	26	11	-	70	70	70	0.00	-	-	-	-	1395
4	26	12	-	70	70	70	0.00	-	-	-	-	1413
4	26	13	-	70	70	70	0.00	-	-	-	-	1417
4	26	14	-	70	70	70	0.00	-	-	-	-	1426

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	26	15	-	70	70	70	0.00	-	-	-	-	1427
4	26	16	-	70	70	70	0.00	-	-	-	-	1420
4	26	17	-	70	70	70	0.00	-	-	-	-	1410
4	26	18	-	70	70	70	0.00	-	-	-	-	1394
4	26	19	-	70	70	70	0.00	-	-	-	-	1393
4	26	20	-	70	70	70	0.00	-	-	-	-	1466
4	26	21	-	70	70	70	0.00	-	-	-	-	1520
4	26	22	-	70	70	70	0.00	-	-	-	-	1446
4	26	23	-	70	70	70	0.00	-	-	-	-	1306
4	26	24	-	70	70	70	0.00	-	-	-	-	1335
4	27	1	-	70	70	70	0.00	-	-	-	-	1088
4	27	2	-	70	70	70	0.00	-	-	-	-	1029
4	27	3	-	70	70	70	0.00	-	-	-	-	994
4	27	4	-	70	70	70	0.00	-	-	-	-	985
4	27	5	-	70	70	70	0.00	-	-	-	-	1002
4	27	6	-	70	70	70	0.00	-	-	-	-	1074
4	27	7	-	70	70	70	0.00	-	-	-	-	1185
4	27	8	-	70	70	70	0.00	-	-	-	-	1263
4	27	9	-	70	70	70	0.00	-	-	-	-	1305

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	27	10	-	70	70	70	0.00	-	-	-	-	1355
4	27	11	-	70	70	70	0.00	-	-	-	-	1398
4	27	12	-	70	70	70	0.00	-	-	-	-	1425
4	27	13	-	70	70	70	0.00	-	-	-	-	1433
4	27	14	-	70	70	70	0.00	-	-	-	-	1442
4	27	15	-	70	70	70	0.00	-	-	-	-	1443
4	27	16	-	70	70	70	0.00	-	-	-	-	1431
4	27	17	-	70	70	70	0.00	-	-	-	-	1415
4	27	18	-	70	70	70	0.00	-	-	-	-	1396
4	27	19	-	70	70	70	0.00	-	-	-	-	1391
4	27	20	-	70	70	70	0.00	-	-	-	-	1461
4	27	21	-	70	70	70	0.00	-	-	-	-	1513
4	27	22	-	70	70	70	0.00	-	-	-	-	1441
4	27	23	-	70	70	70	0.00	-	-	-	-	1302
4	27	24	-	70	70	70	0.00	-	-	-	-	1341
4	28	1	-	70	70	70	0.00	-	-	-	-	1081
4	28	2	-	70	70	70	0.00	-	-	-	-	1023
4	28	3	-	70	70	70	0.00	-	-	-	-	989
4	28	4	-	70	70	70	0.00	-	-	-	-	976

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	28	5	-	70	70	70	0.00	-	-	-	-	994
4	28	6	-	70	70	70	0.00	-	-	-	-	1063
4	28	7	-	70	70	70	0.00	-	-	-	-	1179
4	28	8	-	70	70	70	0.00	-	-	-	-	1261
4	28	9	-	70	70	70	0.00	-	-	-	-	1305
4	28	10	-	70	70	70	0.00	-	-	-	-	1354
4	28	11	-	70	70	70	0.00	-	-	-	-	1389
4	28	12	-	70	70	70	0.00	-	-	-	-	1417
4	28	13	-	70	70	70	0.00	-	-	-	-	1424
4	28	14	-	70	70	70	0.00	-	-	-	-	1432
4	28	15	-	70	70	70	0.00	-	-	-	-	1428
4	28	16	-	70	70	70	0.00	-	-	-	-	1414
4	28	17	-	70	70	70	0.00	-	-	-	-	1400
4	28	18	-	70	70	70	0.00	-	-	-	-	1385
4	28	19	-	70	70	70	0.00	-	-	-	-	1379
4	28	20	-	70	70	70	0.00	-	-	-	-	1447
4	28	21	-	70	70	70	0.00	-	-	-	-	1509
4	28	22	-	70	70	70	0.00	-	-	-	-	1441
4	28	23	-	70	70	70	0.00	-	-	-	-	1309

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	28	24	-	70	70	70	0.00	-	-	-	-	1340
4	29	1	-	70	70	70	0.00	-	-	-	-	1087
4	29	2	-	70	70	70	0.00	-	-	-	-	1029
4	29	3	-	70	70	70	0.00	-	-	-	-	994
4	29	4	-	70	70	70	0.00	-	-	-	-	983
4	29	5	-	70	70	70	0.00	-	-	-	-	996
4	29	6	-	70	70	70	0.00	-	-	-	-	1063
4	29	7	-	70	70	70	0.00	-	-	-	-	1173
4	29	8	-	70	70	70	0.00	-	-	-	-	1260
4	29	9	-	70	70	70	0.00	-	-	-	-	1308
4	29	10	-	70	70	70	0.00	-	-	-	-	1367
4	29	11	-	70	70	70	0.00	-	-	-	-	1399
4	29	12	-	70	70	70	0.00	-	-	-	-	1415
4	29	13	-	70	70	70	0.00	-	-	-	-	1421
4	29	14	-	70	70	70	0.00	-	-	-	-	1427
4	29	15	-	70	70	70	0.00	-	-	-	-	1422
4	29	16	-	70	70	70	0.00	-	-	-	-	1412
4	29	17	-	70	70	70	0.00	-	-	-	-	1393
4	29	18	-	70	70	70	0.00	-	-	-	-	1367

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	29	19	-	70	70	70	0.00	-	-	-	-	1355
4	29	20	-	70	70	70	0.00	-	-	-	-	1415
4	29	21	-	70	70	70	0.00	-	-	-	-	1466
4	29	22	-	70	70	70	0.00	-	-	-	-	1413
4	29	23	-	70	70	70	0.00	-	-	-	-	1308
4	29	24	-	70	70	70	0.00	-	-	-	-	1338
4	30	1	-	70	70	70	0.00	-	-	-	-	1095
4	30	2	-	70	70	70	0.00	-	-	-	-	1032
4	30	3	-	70	70	70	0.00	-	-	-	-	990
4	30	4	-	70	70	70	0.00	-	-	-	-	970
4	30	5	-	70	70	70	0.00	-	-	-	-	967
4	30	6	-	70	70	70	0.00	-	-	-	-	986
4	30	7	-	70	70	70	0.00	-	-	-	-	1024
4	30	8	-	70	70	70	0.00	-	-	-	-	1077
4	30	9	-	70	70	70	0.00	-	-	-	-	1147
4	30	10	-	70	70	70	0.00	-	-	-	-	1216
4	30	11	-	70	70	70	0.00	-	-	-	-	1254
4	30	12	-	70	70	70	0.00	-	-	-	-	1273
4	30	13	-	70	70	70	0.00	-	-	-	-	1274

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
4	30	14	-	70	70	70	0.00	-	-	-	-	1262
4	30	15	-	70	70	70	0.00	-	-	-	-	1251
4	30	16	-	70	70	70	0.00	-	-	-	-	1238
4	30	17	-	70	70	70	0.00	-	-	-	-	1230
4	30	18	-	70	70	70	0.00	-	-	-	-	1231
4	30	19	-	70	70	70	0.00	-	-	-	-	1249
4	30	20	-	70	70	70	0.00	-	-	-	-	1316
4	30	21	-	70	70	70	0.00	-	-	-	-	1383
4	30	22	-	70	70	70	0.00	-	-	-	-	1339
4	30	23	-	70	70	70	0.00	-	-	-	-	1256
4	30	24	-	70	70	70	0.00	-	-	-	-	1234
5	1	1	-	25	25	25	0.00	-	-	-	-	1082
5	1	2	-	25	25	25	0.00	-	-	-	-	1020
5	1	3	-	25	25	25	0.00	-	-	-	-	981
5	1	4	-	25	25	25	0.00	-	-	-	-	959
5	1	5	-	25	25	25	0.00	-	-	-	-	948
5	1	6	-	25	25	25	0.00	-	-	-	-	954
5	1	7	-	25	25	25	0.00	-	-	-	-	971
5	1	8	-	25	25	25	0.00	-	-	-	-	1008

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	1	9	-	25	25	25	0.00	-	-	-	-	1073
5	1	10	-	25	25	25	0.00	-	-	-	-	1135
5	1	11	-	25	25	25	0.00	-	-	-	-	1183
5	1	12	-	25	25	25	0.00	-	-	-	-	1211
5	1	13	-	25	25	25	0.00	-	-	-	-	1226
5	1	14	-	25	25	25	0.00	-	-	-	-	1234
5	1	15	-	25	25	25	0.00	-	-	-	-	1240
5	1	16	-	25	25	25	0.00	-	-	-	-	1250
5	1	17	-	25	25	25	0.00	-	-	-	-	1259
5	1	18	-	25	25	25	0.00	-	-	-	-	1276
5	1	19	-	25	25	25	0.00	-	-	-	-	1301
5	1	20	-	25	25	25	0.00	-	-	-	-	1373
5	1	21	-	25	25	25	0.00	-	-	-	-	1446
5	1	22	-	25	25	25	0.00	-	-	-	-	1383
5	1	23	-	25	25	25	0.00	-	-	-	-	1255
5	1	24	-	25	25	25	0.00	-	-	-	-	1202
5	2	1	-	25	25	25	0.00	-	-	-	-	1045
5	2	2	-	25	25	25	0.00	-	-	-	-	991
5	2	3	-	25	25	25	0.00	-	-	-	-	963

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	2	4	-	25	25	25	0.00	-	-	-	-	953
5	2	5	-	25	25	25	0.00	-	-	-	-	975
5	2	6	-	25	25	25	0.00	-	-	-	-	1050
5	2	7	-	25	25	25	0.00	-	-	-	-	1164
5	2	8	-	25	25	25	0.00	-	-	-	-	1262
5	2	9	-	25	25	25	0.00	-	-	-	-	1319
5	2	10	-	25	25	25	0.00	-	-	-	-	1383
5	2	11	-	25	25	25	0.00	-	-	-	-	1436
5	2	12	-	25	25	25	0.00	-	-	-	-	1476
5	2	13	-	25	25	25	0.00	-	-	-	-	1494
5	2	14	-	25	25	25	0.00	-	-	-	-	1520
5	2	15	-	25	25	25	0.00	-	-	-	-	1533
5	2	16	-	25	25	25	0.00	-	-	-	-	1536
5	2	17	-	25	25	25	0.00	-	-	-	-	1532
5	2	18	-	25	25	25	0.00	-	-	-	-	1523
5	2	19	-	25	25	25	0.00	-	-	-	-	1508
5	2	20	-	25	25	25	0.00	-	-	-	-	1550
5	2	21	-	25	25	25	0.00	-	-	-	-	1599
5	2	22	-	25	25	25	0.00	-	-	-	-	1504

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	2	23	-	25	25	25	0.00	-	-	-	-	1358
5	2	24	-	25	25	25	0.00	-	-	-	-	1393
5	3	1	-	25	25	25	0.00	-	-	-	-	1117
5	3	2	-	25	25	25	0.00	-	-	-	-	1058
5	3	3	-	25	25	25	0.00	-	-	-	-	1019
5	3	4	-	25	25	25	0.00	-	-	-	-	1006
5	3	5	-	25	25	25	0.00	-	-	-	-	1020
5	3	6	-	25	25	25	0.00	-	-	-	-	1086
5	3	7	-	25	25	25	0.00	-	-	-	-	1187
5	3	8	-	25	25	25	0.00	-	-	-	-	1277
5	3	9	-	25	25	25	0.00	-	-	-	-	1336
5	3	10	-	25	25	25	0.00	-	-	-	-	1402
5	3	11	-	25	25	25	0.00	-	-	-	-	1471
5	3	12	-	25	25	25	0.00	-	-	-	-	1519
5	3	13	-	25	25	25	0.00	-	-	-	-	1560
5	3	14	-	25	25	25	0.00	-	-	-	-	1600
5	3	15	-	25	25	25	0.00	-	-	-	-	1624
5	3	16	-	25	25	25	0.00	-	-	-	-	1641
5	3	17	-	25	25	25	0.00	-	-	-	-	1623

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	3	18	-	25	25	25	0.00	-	-	-	-	1584
5	3	19	-	25	25	25	0.00	-	-	-	-	1551
5	3	20	-	25	25	25	0.00	-	-	-	-	1585
5	3	21	-	25	25	25	0.00	-	-	-	-	1617
5	3	22	-	25	25	25	0.00	-	-	-	-	1521
5	3	23	-	25	25	25	0.00	-	-	-	-	1364
5	3	24	-	25	25	25	0.00	-	-	-	-	1443
5	4	1	-	25	25	25	0.00	-	-	-	-	1117
5	4	2	-	25	25	25	0.00	-	-	-	-	1054
5	4	3	-	25	25	25	0.00	-	-	-	-	1015
5	4	4	-	25	25	25	0.00	-	-	-	-	1002
5	4	5	-	25	25	25	0.00	-	-	-	-	1012
5	4	6	-	25	25	25	0.00	-	-	-	-	1080
5	4	7	-	25	25	25	0.00	-	-	-	-	1191
5	4	8	-	25	25	25	0.00	-	-	-	-	1303
5	4	9	-	25	25	25	0.00	-	-	-	-	1373
5	4	10	-	25	25	25	0.00	-	-	-	-	1423
5	4	11	-	25	25	25	0.00	-	-	-	-	1450
5	4	12	-	25	25	25	0.00	-	-	-	-	1469

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	4	13	-	25	25	25	0.00	-	-	-	-	1480
5	4	14	-	25	25	25	0.00	-	-	-	-	1490
5	4	15	-	25	25	25	0.00	-	-	-	-	1492
5	4	16	-	25	25	25	0.00	-	-	-	-	1488
5	4	17	-	25	25	25	0.00	-	-	-	-	1477
5	4	18	-	25	25	25	0.00	-	-	-	-	1464
5	4	19	-	25	25	25	0.00	-	-	-	-	1450
5	4	20	-	25	25	25	0.00	-	-	-	-	1504
5	4	21	-	25	25	25	0.00	-	-	-	-	1559
5	4	22	-	25	25	25	0.00	-	-	-	-	1482
5	4	23	-	25	25	25	0.00	-	-	-	-	1342
5	4	24	-	25	25	25	0.00	-	-	-	-	1381
5	5	1	-	25	25	25	0.00	-	-	-	-	1111
5	5	2	-	25	25	25	0.00	-	-	-	-	1051
5	5	3	-	25	25	25	0.00	-	-	-	-	1017
5	5	4	-	25	25	25	0.00	-	-	-	-	1001
5	5	5	-	25	25	25	0.00	-	-	-	-	1012
5	5	6	-	25	25	25	0.00	-	-	-	-	1082
5	5	7	-	25	25	25	0.00	-	-	-	-	1196

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	5	8	-	25	25	25	0.00	-	-	-	-	1290
5	5	9	-	25	25	25	0.00	-	-	-	-	1338
5	5	10	-	25	25	25	0.00	-	-	-	-	1392
5	5	11	-	25	25	25	0.00	-	-	-	-	1433
5	5	12	-	25	25	25	0.00	-	-	-	-	1454
5	5	13	-	25	25	25	0.00	-	-	-	-	1454
5	5	14	-	25	25	25	0.00	-	-	-	-	1458
5	5	15	-	25	25	25	0.00	-	-	-	-	1451
5	5	16	-	25	25	25	0.00	-	-	-	-	1444
5	5	17	-	25	25	25	0.00	-	-	-	-	1431
5	5	18	-	25	25	25	0.00	-	-	-	-	1420
5	5	19	-	25	25	25	0.00	-	-	-	-	1425
5	5	20	-	25	25	25	0.00	-	-	-	-	1483
5	5	21	-	25	25	25	0.00	-	-	-	-	1516
5	5	22	-	25	25	25	0.00	-	-	-	-	1442
5	5	23	-	25	25	25	0.00	-	-	-	-	1310
5	5	24	-	25	25	25	0.00	-	-	-	-	1360
5	6	1	-	25	25	25	0.00	-	-	-	-	1097
5	6	2	-	25	25	25	0.00	-	-	-	-	1039

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	6	3	-	25	25	25	0.00	-	-	-	-	1001
5	6	4	-	25	25	25	0.00	-	-	-	-	988
5	6	5	-	25	25	25	0.00	-	-	-	-	1003
5	6	6	-	25	25	25	0.00	-	-	-	-	1067
5	6	7	-	25	25	25	0.00	-	-	-	-	1184
5	6	8	-	25	25	25	0.00	-	-	-	-	1280
5	6	9	-	25	25	25	0.00	-	-	-	-	1338
5	6	10	-	25	25	25	0.00	-	-	-	-	1387
5	6	11	-	25	25	25	0.00	-	-	-	-	1421
5	6	12	-	25	25	25	0.00	-	-	-	-	1444
5	6	13	-	25	25	25	0.00	-	-	-	-	1444
5	6	14	-	25	25	25	0.00	-	-	-	-	1447
5	6	15	-	25	25	25	0.00	-	-	-	-	1437
5	6	16	-	25	25	25	0.00	-	-	-	-	1429
5	6	17	-	25	25	25	0.00	-	-	-	-	1410
5	6	18	-	25	25	25	0.00	-	-	-	-	1385
5	6	19	-	25	25	25	0.00	-	-	-	-	1378
5	6	20	-	25	25	25	0.00	-	-	-	-	1431
5	6	21	-	25	25	25	0.00	-	-	-	-	1479

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	6	22	-	25	25	25	0.00	-	-	-	-	1423
5	6	23	-	25	25	25	0.00	-	-	-	-	1322
5	6	24	-	25	25	25	0.00	-	-	-	-	1361
5	7	1	-	25	25	25	0.00	-	-	-	-	1108
5	7	2	-	25	25	25	0.00	-	-	-	-	1045
5	7	3	-	25	25	25	0.00	-	-	-	-	1003
5	7	4	-	25	25	25	0.00	-	-	-	-	979
5	7	5	-	25	25	25	0.00	-	-	-	-	975
5	7	6	-	25	25	25	0.00	-	-	-	-	998
5	7	7	-	25	25	25	0.00	-	-	-	-	1034
5	7	8	-	25	25	25	0.00	-	-	-	-	1091
5	7	9	-	25	25	25	0.00	-	-	-	-	1162
5	7	10	-	25	25	25	0.00	-	-	-	-	1227
5	7	11	-	25	25	25	0.00	-	-	-	-	1271
5	7	12	-	25	25	25	0.00	-	-	-	-	1288
5	7	13	-	25	25	25	0.00	-	-	-	-	1284
5	7	14	-	25	25	25	0.00	-	-	-	-	1272
5	7	15	-	25	25	25	0.00	-	-	-	-	1257
5	7	16	-	25	25	25	0.00	-	-	-	-	1244

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	7	17	-	25	25	25	0.00	-	-	-	-	1239
5	7	18	-	25	25	25	0.00	-	-	-	-	1236
5	7	19	-	25	25	25	0.00	-	-	-	-	1253
5	7	20	-	25	25	25	0.00	-	-	-	-	1315
5	7	21	-	25	25	25	0.00	-	-	-	-	1385
5	7	22	-	25	25	25	0.00	-	-	-	-	1347
5	7	23	-	25	25	25	0.00	-	-	-	-	1267
5	7	24	-	25	25	25	0.00	-	-	-	-	1245
5	8	1	-	25	25	25	0.00	-	-	-	-	1083
5	8	2	-	25	25	25	0.00	-	-	-	-	1019
5	8	3	-	25	25	25	0.00	-	-	-	-	979
5	8	4	-	25	25	25	0.00	-	-	-	-	955
5	8	5	-	25	25	25	0.00	-	-	-	-	942
5	8	6	-	25	25	25	0.00	-	-	-	-	947
5	8	7	-	25	25	25	0.00	-	-	-	-	957
5	8	8	-	25	25	25	0.00	-	-	-	-	996
5	8	9	-	25	25	25	0.00	-	-	-	-	1058
5	8	10	-	25	25	25	0.00	-	-	-	-	1120
5	8	11	-	25	25	25	0.00	-	-	-	-	1168

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	8	12	-	25	25	25	0.00	-	-	-	-	1184
5	8	13	-	25	25	25	0.00	-	-	-	-	1188
5	8	14	-	25	25	25	0.00	-	-	-	-	1187
5	8	15	-	25	25	25	0.00	-	-	-	-	1184
5	8	16	-	25	25	25	0.00	-	-	-	-	1179
5	8	17	-	25	25	25	0.00	-	-	-	-	1185
5	8	18	-	25	25	25	0.00	-	-	-	-	1204
5	8	19	-	25	25	25	0.00	-	-	-	-	1235
5	8	20	-	25	25	25	0.00	-	-	-	-	1323
5	8	21	-	25	25	25	0.00	-	-	-	-	1389
5	8	22	-	25	25	25	0.00	-	-	-	-	1343
5	8	23	-	25	25	25	0.00	-	-	-	-	1237
5	8	24	-	25	25	25	0.00	-	-	-	-	1167
5	9	1	-	25	25	25	0.00	-	-	-	-	1038
5	9	2	-	25	25	25	0.00	-	-	-	-	986
5	9	3	-	25	25	25	0.00	-	-	-	-	956
5	9	4	-	25	25	25	0.00	-	-	-	-	952
5	9	5	-	25	25	25	0.00	-	-	-	-	974
5	9	6	-	25	25	25	0.00	-	-	-	-	1043

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	9	7	-	25	25	25	0.00	-	-	-	-	1150
5	9	8	-	25	25	25	0.00	-	-	-	-	1253
5	9	9	-	25	25	25	0.00	-	-	-	-	1317
5	9	10	-	25	25	25	0.00	-	-	-	-	1374
5	9	11	-	25	25	25	0.00	-	-	-	-	1418
5	9	12	-	25	25	25	0.00	-	-	-	-	1442
5	9	13	-	25	25	25	0.00	-	-	-	-	1447
5	9	14	-	25	25	25	0.00	-	-	-	-	1449
5	9	15	-	25	25	25	0.00	-	-	-	-	1440
5	9	16	-	25	25	25	0.00	-	-	-	-	1436
5	9	17	-	25	25	25	0.00	-	-	-	-	1428
5	9	18	-	25	25	25	0.00	-	-	-	-	1415
5	9	19	-	25	25	25	0.00	-	-	-	-	1412
5	9	20	-	25	25	25	0.00	-	-	-	-	1470
5	9	21	-	25	25	25	0.00	-	-	-	-	1541
5	9	22	-	25	25	25	0.00	-	-	-	-	1468
5	9	23	-	25	25	25	0.00	-	-	-	-	1327
5	9	24	-	25	25	25	0.00	-	-	-	-	1355
5	10	1	-	25	25	25	0.00	-	-	-	-	1090

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	10	2	-	25	25	25	0.00	-	-	-	-	1032
5	10	3	-	25	25	25	0.00	-	-	-	-	996
5	10	4	-	25	25	25	0.00	-	-	-	-	986
5	10	5	-	25	25	25	0.00	-	-	-	-	998
5	10	6	-	25	25	25	0.00	-	-	-	-	1074
5	10	7	-	25	25	25	0.00	-	-	-	-	1190
5	10	8	-	25	25	25	0.00	-	-	-	-	1293
5	10	9	-	25	25	25	0.00	-	-	-	-	1355
5	10	10	-	25	25	25	0.00	-	-	-	-	1404
5	10	11	-	25	25	25	0.00	-	-	-	-	1440
5	10	12	-	25	25	25	0.00	-	-	-	-	1454
5	10	13	-	25	25	25	0.00	-	-	-	-	1446
5	10	14	-	25	25	25	0.00	-	-	-	-	1448
5	10	15	-	25	25	25	0.00	-	-	-	-	1451
5	10	16	-	25	25	25	0.00	-	-	-	-	1452
5	10	17	-	25	25	25	0.00	-	-	-	-	1445
5	10	18	-	25	25	25	0.00	-	-	-	-	1426
5	10	19	-	25	25	25	0.00	-	-	-	-	1417
5	10	20	-	25	25	25	0.00	-	-	-	-	1472

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	10	21	-	25	25	25	0.00	-	-	-	-	1547
5	10	22	-	25	25	25	0.00	-	-	-	-	1483
5	10	23	-	25	25	25	0.00	-	-	-	-	1342
5	10	24	-	25	25	25	0.00	-	-	-	-	1357
5	11	1	-	25	25	25	0.00	-	-	-	-	1122
5	11	2	-	25	25	25	0.00	-	-	-	-	1060
5	11	3	-	25	25	25	0.00	-	-	-	-	1025
5	11	4	-	25	25	25	0.00	-	-	-	-	1014
5	11	5	-	25	25	25	0.00	-	-	-	-	1026
5	11	6	-	25	25	25	0.00	-	-	-	-	1097
5	11	7	-	25	25	25	0.00	-	-	-	-	1210
5	11	8	-	25	25	25	0.00	-	-	-	-	1296
5	11	9	-	25	25	25	0.00	-	-	-	-	1351
5	11	10	-	25	25	25	0.00	-	-	-	-	1397
5	11	11	-	25	25	25	0.00	-	-	-	-	1433
5	11	12	-	25	25	25	0.00	-	-	-	-	1457
5	11	13	-	25	25	25	0.00	-	-	-	-	1473
5	11	14	-	25	25	25	0.00	-	-	-	-	1498
5	11	15	-	25	25	25	0.00	-	-	-	-	1509

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	11	16	-	25	25	25	0.00	-	-	-	-	1520
5	11	17	-	25	25	25	0.00	-	-	-	-	1516
5	11	18	-	25	25	25	0.00	-	-	-	-	1498
5	11	19	-	25	25	25	0.00	-	-	-	-	1484
5	11	20	-	25	25	25	0.00	-	-	-	-	1520
5	11	21	-	25	25	25	0.00	-	-	-	-	1579
5	11	22	-	25	25	25	0.00	-	-	-	-	1504
5	11	23	-	25	25	25	0.00	-	-	-	-	1361
5	11	24	-	25	25	25	0.00	-	-	-	-	1378
5	12	1	-	25	25	25	0.00	-	-	-	-	1121
5	12	2	-	25	25	25	0.00	-	-	-	-	1055
5	12	3	-	25	25	25	0.00	-	-	-	-	1014
5	12	4	-	25	25	25	0.00	-	-	-	-	1000
5	12	5	-	25	25	25	0.00	-	-	-	-	1010
5	12	6	-	25	25	25	0.00	-	-	-	-	1077
5	12	7	-	25	25	25	0.00	-	-	-	-	1191
5	12	8	-	25	25	25	0.00	-	-	-	-	1291
5	12	9	-	25	25	25	0.00	-	-	-	-	1348
5	12	10	-	25	25	25	0.00	-	-	-	-	1409

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	12	11	-	25	25	25	0.00	-	-	-	-	1473
5	12	12	-	25	25	25	0.00	-	-	-	-	1519
5	12	13	-	25	25	25	0.00	-	-	-	-	1550
5	12	14	-	25	25	25	0.00	-	-	-	-	1582
5	12	15	-	25	25	25	0.00	-	-	-	-	1608
5	12	16	-	25	25	25	0.00	-	-	-	-	1626
5	12	17	-	25	25	25	0.00	-	-	-	-	1632
5	12	18	-	25	25	25	0.00	-	-	-	-	1613
5	12	19	-	25	25	25	0.00	-	-	-	-	1583
5	12	20	-	25	25	25	0.00	-	-	-	-	1587
5	12	21	-	25	25	25	0.00	-	-	-	-	1630
5	12	22	-	25	25	25	0.00	-	-	-	-	1546
5	12	23	-	25	25	25	0.00	-	-	-	-	1393
5	12	24	-	25	25	25	0.00	-	-	-	-	1438
5	13	1	-	25	25	25	0.00	-	-	-	-	1145
5	13	2	-	25	25	25	0.00	-	-	-	-	1077
5	13	3	-	25	25	25	0.00	-	-	-	-	1034
5	13	4	-	25	25	25	0.00	-	-	-	-	1014
5	13	5	-	25	25	25	0.00	-	-	-	-	1022

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	13	6	-	25	25	25	0.00	-	-	-	-	1080
5	13	7	-	25	25	25	0.00	-	-	-	-	1186
5	13	8	-	25	25	25	0.00	-	-	-	-	1287
5	13	9	-	25	25	25	0.00	-	-	-	-	1347
5	13	10	-	25	25	25	0.00	-	-	-	-	1414
5	13	11	-	25	25	25	0.00	-	-	-	-	1467
5	13	12	-	25	25	25	0.00	-	-	-	-	1503
5	13	13	-	25	25	25	0.00	-	-	-	-	1539
5	13	14	-	25	25	25	0.00	-	-	-	-	1580
5	13	15	-	25	25	25	0.00	-	-	-	-	1598
5	13	16	-	25	25	25	0.00	-	-	-	-	1622
5	13	17	-	25	25	25	0.00	-	-	-	-	1628
5	13	18	-	25	25	25	0.00	-	-	-	-	1594
5	13	19	-	25	25	25	0.00	-	-	-	-	1535
5	13	20	-	25	25	25	0.00	-	-	-	-	1528
5	13	21	-	25	25	25	0.00	-	-	-	-	1574
5	13	22	-	25	25	25	0.00	-	-	-	-	1516
5	13	23	-	25	25	25	0.00	-	-	-	-	1401
5	13	24	-	25	25	25	0.00	-	-	-	-	1438

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	14	1	-	25	25	25	0.00	-	-	-	-	1160
5	14	2	-	25	25	25	0.00	-	-	-	-	1084
5	14	3	-	25	25	25	0.00	-	-	-	-	1036
5	14	4	-	25	25	25	0.00	-	-	-	-	1010
5	14	5	-	25	25	25	0.00	-	-	-	-	1001
5	14	6	-	25	25	25	0.00	-	-	-	-	1016
5	14	7	-	25	25	25	0.00	-	-	-	-	1055
5	14	8	-	25	25	25	0.00	-	-	-	-	1114
5	14	9	-	25	25	25	0.00	-	-	-	-	1197
5	14	10	-	25	25	25	0.00	-	-	-	-	1264
5	14	11	-	25	25	25	0.00	-	-	-	-	1315
5	14	12	-	25	25	25	0.00	-	-	-	-	1335
5	14	13	-	25	25	25	0.00	-	-	-	-	1343
5	14	14	-	25	25	25	0.00	-	-	-	-	1347
5	14	15	-	25	25	25	0.00	-	-	-	-	1347
5	14	16	-	25	25	25	0.00	-	-	-	-	1347
5	14	17	-	25	25	25	0.00	-	-	-	-	1348
5	14	18	-	25	25	25	0.00	-	-	-	-	1339
5	14	19	-	25	25	25	0.00	-	-	-	-	1339

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	14	20	-	25	25	25	0.00	-	-	-	-	1383
5	14	21	-	25	25	25	0.00	-	-	-	-	1439
5	14	22	-	25	25	25	0.00	-	-	-	-	1396
5	14	23	-	25	25	25	0.00	-	-	-	-	1303
5	14	24	-	25	25	25	0.00	-	-	-	-	1287
5	15	1	-	25	25	25	0.00	-	-	-	-	1106
5	15	2	-	25	25	25	0.00	-	-	-	-	1041
5	15	3	-	25	25	25	0.00	-	-	-	-	996
5	15	4	-	25	25	25	0.00	-	-	-	-	967
5	15	5	-	25	25	25	0.00	-	-	-	-	953
5	15	6	-	25	25	25	0.00	-	-	-	-	955
5	15	7	-	25	25	25	0.00	-	-	-	-	967
5	15	8	-	25	25	25	0.00	-	-	-	-	1012
5	15	9	-	25	25	25	0.00	-	-	-	-	1085
5	15	10	-	25	25	25	0.00	-	-	-	-	1154
5	15	11	-	25	25	25	0.00	-	-	-	-	1199
5	15	12	-	25	25	25	0.00	-	-	-	-	1227
5	15	13	-	25	25	25	0.00	-	-	-	-	1238
5	15	14	-	25	25	25	0.00	-	-	-	-	1243

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	15	15	-	25	25	25	0.00	-	-	-	-	1247
5	15	16	-	25	25	25	0.00	-	-	-	-	1253
5	15	17	-	25	25	25	0.00	-	-	-	-	1259
5	15	18	-	25	25	25	0.00	-	-	-	-	1274
5	15	19	-	25	25	25	0.00	-	-	-	-	1297
5	15	20	-	25	25	25	0.00	-	-	-	-	1355
5	15	21	-	25	25	25	0.00	-	-	-	-	1437
5	15	22	-	25	25	25	0.00	-	-	-	-	1382
5	15	23	-	25	25	25	0.00	-	-	-	-	1267
5	15	24	-	25	25	25	0.00	-	-	-	-	1207
5	16	1	-	25	25	25	0.00	-	-	-	-	1055
5	16	2	-	25	25	25	0.00	-	-	-	-	998
5	16	3	-	25	25	25	0.00	-	-	-	-	966
5	16	4	-	25	25	25	0.00	-	-	-	-	958
5	16	5	-	25	25	25	0.00	-	-	-	-	978
5	16	6	-	25	25	25	0.00	-	-	-	-	1048
5	16	7	-	25	25	25	0.00	-	-	-	-	1155
5	16	8	-	25	25	25	0.00	-	-	-	-	1258
5	16	9	-	25	25	25	0.00	-	-	-	-	1332

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	16	10	-	25	25	25	0.00	-	-	-	-	1395
5	16	11	-	25	25	25	0.00	-	-	-	-	1439
5	16	12	-	25	25	25	0.00	-	-	-	-	1465
5	16	13	-	25	25	25	0.00	-	-	-	-	1473
5	16	14	-	25	25	25	0.00	-	-	-	-	1485
5	16	15	-	25	25	25	0.00	-	-	-	-	1490
5	16	16	-	25	25	25	0.00	-	-	-	-	1490
5	16	17	-	25	25	25	0.00	-	-	-	-	1484
5	16	18	-	25	25	25	0.00	-	-	-	-	1470
5	16	19	-	25	25	25	0.00	-	-	-	-	1463
5	16	20	-	25	25	25	0.00	-	-	-	-	1505
5	16	21	-	25	25	25	0.00	-	-	-	-	1567
5	16	22	-	25	25	25	0.00	-	-	-	-	1497
5	16	23	-	25	25	25	0.00	-	-	-	-	1362
5	16	24	-	25	25	25	0.00	-	-	-	-	1377
5	17	1	-	25	25	25	0.00	-	-	-	-	1127
5	17	2	-	25	25	25	0.00	-	-	-	-	1062
5	17	3	-	25	25	25	0.00	-	-	-	-	1022
5	17	4	-	25	25	25	0.00	-	-	-	-	1007

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	17	5	-	25	25	25	0.00	-	-	-	-	1020
5	17	6	-	25	25	25	0.00	-	-	-	-	1090
5	17	7	-	25	25	25	0.00	-	-	-	-	1200
5	17	8	-	25	25	25	0.00	-	-	-	-	1300
5	17	9	-	25	25	25	0.00	-	-	-	-	1361
5	17	10	-	25	25	25	0.00	-	-	-	-	1419
5	17	11	-	25	25	25	0.00	-	-	-	-	1468
5	17	12	-	25	25	25	0.00	-	-	-	-	1496
5	17	13	-	25	25	25	0.00	-	-	-	-	1503
5	17	14	-	25	25	25	0.00	-	-	-	-	1521
5	17	15	-	25	25	25	0.00	-	-	-	-	1527
5	17	16	-	25	25	25	0.00	-	-	-	-	1538
5	17	17	-	25	25	25	0.00	-	-	-	-	1530
5	17	18	-	25	25	25	0.00	-	-	-	-	1513
5	17	19	-	25	25	25	0.00	-	-	-	-	1491
5	17	20	-	25	25	25	0.00	-	-	-	-	1519
5	17	21	-	25	25	25	0.00	-	-	-	-	1583
5	17	22	-	25	25	25	0.00	-	-	-	-	1514
5	17	23	-	25	25	25	0.00	-	-	-	-	1371

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	17	24	-	25	25	25	0.00	-	-	-	-	1402
5	18	1	-	25	25	25	0.00	-	-	-	-	1136
5	18	2	-	25	25	25	0.00	-	-	-	-	1070
5	18	3	-	25	25	25	0.00	-	-	-	-	1027
5	18	4	-	25	25	25	0.00	-	-	-	-	1012
5	18	5	-	25	25	25	0.00	-	-	-	-	1024
5	18	6	-	25	25	25	0.00	-	-	-	-	1088
5	18	7	-	25	25	25	0.00	-	-	-	-	1196
5	18	8	-	25	25	25	0.00	-	-	-	-	1294
5	18	9	-	25	25	25	0.00	-	-	-	-	1350
5	18	10	-	25	25	25	0.00	-	-	-	-	1405
5	18	11	-	25	25	25	0.00	-	-	-	-	1455
5	18	12	-	25	25	25	0.00	-	-	-	-	1492
5	18	13	-	25	25	25	0.00	-	-	-	-	1513
5	18	14	-	25	25	25	0.00	-	-	-	-	1542
5	18	15	-	25	25	25	0.00	-	-	-	-	1553
5	18	16	-	25	25	25	0.00	-	-	-	-	1559
5	18	17	-	25	25	25	0.00	-	-	-	-	1552
5	18	18	-	25	25	25	0.00	-	-	-	-	1537

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	18	19	-	25	25	25	0.00	-	-	-	-	1519
5	18	20	-	25	25	25	0.00	-	-	-	-	1546
5	18	21	-	25	25	25	0.00	-	-	-	-	1589
5	18	22	-	25	25	25	0.00	-	-	-	-	1515
5	18	23	-	25	25	25	0.00	-	-	-	-	1370
5	18	24	-	25	25	25	0.00	-	-	-	-	1411
5	19	1	-	25	25	25	0.00	-	-	-	-	1133
5	19	2	-	25	25	25	0.00	-	-	-	-	1068
5	19	3	-	25	25	25	0.00	-	-	-	-	1029
5	19	4	-	25	25	25	0.00	-	-	-	-	1013
5	19	5	-	25	25	25	0.00	-	-	-	-	1028
5	19	6	-	25	25	25	0.00	-	-	-	-	1094
5	19	7	-	25	25	25	0.00	-	-	-	-	1208
5	19	8	-	25	25	25	0.00	-	-	-	-	1318
5	19	9	-	25	25	25	0.00	-	-	-	-	1378
5	19	10	-	25	25	25	0.00	-	-	-	-	1435
5	19	11	-	25	25	25	0.00	-	-	-	-	1488
5	19	12	-	25	25	25	0.00	-	-	-	-	1509
5	19	13	-	25	25	25	0.00	-	-	-	-	1508

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	19	14	-	25	25	25	0.00	-	-	-	-	1506
5	19	15	-	25	25	25	0.00	-	-	-	-	1519
5	19	16	-	25	25	25	0.00	-	-	-	-	1527
5	19	17	-	25	25	25	0.00	-	-	-	-	1527
5	19	18	-	25	25	25	0.00	-	-	-	-	1503
5	19	19	-	25	25	25	0.00	-	-	-	-	1480
5	19	20	-	25	25	25	0.00	-	-	-	-	1519
5	19	21	-	25	25	25	0.00	-	-	-	-	1570
5	19	22	-	25	25	25	0.00	-	-	-	-	1500
5	19	23	-	25	25	25	0.00	-	-	-	-	1364
5	19	24	-	25	25	25	0.00	-	-	-	-	1417
5	20	1	-	25	25	25	0.00	-	-	-	-	1130
5	20	2	-	25	25	25	0.00	-	-	-	-	1069
5	20	3	-	25	25	25	0.00	-	-	-	-	1027
5	20	4	-	25	25	25	0.00	-	-	-	-	1004
5	20	5	-	25	25	25	0.00	-	-	-	-	1018
5	20	6	-	25	25	25	0.00	-	-	-	-	1078
5	20	7	-	25	25	25	0.00	-	-	-	-	1177
5	20	8	-	25	25	25	0.00	-	-	-	-	1275

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	20	9	-	25	25	25	0.00	-	-	-	-	1330
5	20	10	-	25	25	25	0.00	-	-	-	-	1387
5	20	11	-	25	25	25	0.00	-	-	-	-	1430
5	20	12	-	25	25	25	0.00	-	-	-	-	1450
5	20	13	-	25	25	25	0.00	-	-	-	-	1454
5	20	14	-	25	25	25	0.00	-	-	-	-	1457
5	20	15	-	25	25	25	0.00	-	-	-	-	1451
5	20	16	-	25	25	25	0.00	-	-	-	-	1435
5	20	17	-	25	25	25	0.00	-	-	-	-	1419
5	20	18	-	25	25	25	0.00	-	-	-	-	1395
5	20	19	-	25	25	25	0.00	-	-	-	-	1377
5	20	20	-	25	25	25	0.00	-	-	-	-	1404
5	20	21	-	25	25	25	0.00	-	-	-	-	1480
5	20	22	-	25	25	25	0.00	-	-	-	-	1439
5	20	23	-	25	25	25	0.00	-	-	-	-	1341
5	20	24	-	25	25	25	0.00	-	-	-	-	1364
5	21	1	-	25	25	25	0.00	-	-	-	-	1126
5	21	2	-	25	25	25	0.00	-	-	-	-	1061
5	21	3	-	25	25	25	0.00	-	-	-	-	1019

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	21	4	-	25	25	25	0.00	-	-	-	-	994
5	21	5	-	25	25	25	0.00	-	-	-	-	990
5	21	6	-	25	25	25	0.00	-	-	-	-	1016
5	21	7	-	25	25	25	0.00	-	-	-	-	1036
5	21	8	-	25	25	25	0.00	-	-	-	-	1090
5	21	9	-	25	25	25	0.00	-	-	-	-	1165
5	21	10	-	25	25	25	0.00	-	-	-	-	1235
5	21	11	-	25	25	25	0.00	-	-	-	-	1281
5	21	12	-	25	25	25	0.00	-	-	-	-	1301
5	21	13	-	25	25	25	0.00	-	-	-	-	1300
5	21	14	-	25	25	25	0.00	-	-	-	-	1282
5	21	15	-	25	25	25	0.00	-	-	-	-	1267
5	21	16	-	25	25	25	0.00	-	-	-	-	1255
5	21	17	-	25	25	25	0.00	-	-	-	-	1246
5	21	18	-	25	25	25	0.00	-	-	-	-	1248
5	21	19	-	25	25	25	0.00	-	-	-	-	1259
5	21	20	-	25	25	25	0.00	-	-	-	-	1307
5	21	21	-	25	25	25	0.00	-	-	-	-	1388
5	21	22	-	25	25	25	0.00	-	-	-	-	1357

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	21	23	-	25	25	25	0.00	-	-	-	-	1277
5	21	24	-	25	25	25	0.00	-	-	-	-	1260
5	22	1	-	25	25	25	0.00	-	-	-	-	1091
5	22	2	-	25	25	25	0.00	-	-	-	-	1029
5	22	3	-	25	25	25	0.00	-	-	-	-	988
5	22	4	-	25	25	25	0.00	-	-	-	-	966
5	22	5	-	25	25	25	0.00	-	-	-	-	956
5	22	6	-	25	25	25	0.00	-	-	-	-	961
5	22	7	-	25	25	25	0.00	-	-	-	-	955
5	22	8	-	25	25	25	0.00	-	-	-	-	1000
5	22	9	-	25	25	25	0.00	-	-	-	-	1067
5	22	10	-	25	25	25	0.00	-	-	-	-	1128
5	22	11	-	25	25	25	0.00	-	-	-	-	1176
5	22	12	-	25	25	25	0.00	-	-	-	-	1204
5	22	13	-	25	25	25	0.00	-	-	-	-	1212
5	22	14	-	25	25	25	0.00	-	-	-	-	1216
5	22	15	-	25	25	25	0.00	-	-	-	-	1216
5	22	16	-	25	25	25	0.00	-	-	-	-	1217
5	22	17	-	25	25	25	0.00	-	-	-	-	1227

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	22	18	-	25	25	25	0.00	-	-	-	-	1249
5	22	19	-	25	25	25	0.00	-	-	-	-	1272
5	22	20	-	25	25	25	0.00	-	-	-	-	1325
5	22	21	-	25	25	25	0.00	-	-	-	-	1418
5	22	22	-	25	25	25	0.00	-	-	-	-	1380
5	22	23	-	25	25	25	0.00	-	-	-	-	1268
5	22	24	-	25	25	25	0.00	-	-	-	-	1193
5	23	1	-	25	25	25	0.00	-	-	-	-	1056
5	23	2	-	25	25	25	0.00	-	-	-	-	1006
5	23	3	-	25	25	25	0.00	-	-	-	-	973
5	23	4	-	25	25	25	0.00	-	-	-	-	963
5	23	5	-	25	25	25	0.00	-	-	-	-	980
5	23	6	-	25	25	25	0.00	-	-	-	-	1050
5	23	7	-	25	25	25	0.00	-	-	-	-	1145
5	23	8	-	25	25	25	0.00	-	-	-	-	1244
5	23	9	-	25	25	25	0.00	-	-	-	-	1308
5	23	10	-	25	25	25	0.00	-	-	-	-	1368
5	23	11	-	25	25	25	0.00	-	-	-	-	1419
5	23	12	-	25	25	25	0.00	-	-	-	-	1446

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	23	13	-	25	25	25	0.00	-	-	-	-	1457
5	23	14	-	25	25	25	0.00	-	-	-	-	1460
5	23	15	-	25	25	25	0.00	-	-	-	-	1454
5	23	16	-	25	25	25	0.00	-	-	-	-	1448
5	23	17	-	25	25	25	0.00	-	-	-	-	1441
5	23	18	-	25	25	25	0.00	-	-	-	-	1429
5	23	19	-	25	25	25	0.00	-	-	-	-	1420
5	23	20	-	25	25	25	0.00	-	-	-	-	1459
5	23	21	-	25	25	25	0.00	-	-	-	-	1533
5	23	22	-	25	25	25	0.00	-	-	-	-	1467
5	23	23	-	25	25	25	0.00	-	-	-	-	1330
5	23	24	-	25	25	25	0.00	-	-	-	-	1365
5	24	1	-	25	25	25	0.00	-	-	-	-	1101
5	24	2	-	25	25	25	0.00	-	-	-	-	1041
5	24	3	-	25	25	25	0.00	-	-	-	-	1009
5	24	4	-	25	25	25	0.00	-	-	-	-	994
5	24	5	-	25	25	25	0.00	-	-	-	-	1010
5	24	6	-	25	25	25	0.00	-	-	-	-	1070
5	24	7	-	25	25	25	0.00	-	-	-	-	1175

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	24	8	-	25	25	25	0.00	-	-	-	-	1275
5	24	9	-	25	25	25	0.00	-	-	-	-	1328
5	24	10	-	25	25	25	0.00	-	-	-	-	1395
5	24	11	-	25	25	25	0.00	-	-	-	-	1438
5	24	12	-	25	25	25	0.00	-	-	-	-	1460
5	24	13	-	25	25	25	0.00	-	-	-	-	1456
5	24	14	-	25	25	25	0.00	-	-	-	-	1457
5	24	15	-	25	25	25	0.00	-	-	-	-	1452
5	24	16	-	25	25	25	0.00	-	-	-	-	1449
5	24	17	-	25	25	25	0.00	-	-	-	-	1437
5	24	18	-	25	25	25	0.00	-	-	-	-	1422
5	24	19	-	25	25	25	0.00	-	-	-	-	1413
5	24	20	-	25	25	25	0.00	-	-	-	-	1456
5	24	21	-	25	25	25	0.00	-	-	-	-	1530
5	24	22	-	25	25	25	0.00	-	-	-	-	1468
5	24	23	-	25	25	25	0.00	-	-	-	-	1336
5	24	24	-	25	25	25	0.00	-	-	-	-	1367
5	25	1	-	25	25	25	0.00	-	-	-	-	1107
5	25	2	-	25	25	25	0.00	-	-	-	-	1047

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	25	3	-	25	25	25	0.00	-	-	-	-	1009
5	25	4	-	25	25	25	0.00	-	-	-	-	996
5	25	5	-	25	25	25	0.00	-	-	-	-	1010
5	25	6	-	25	25	25	0.00	-	-	-	-	1073
5	25	7	-	25	25	25	0.00	-	-	-	-	1168
5	25	8	-	25	25	25	0.00	-	-	-	-	1262
5	25	9	-	25	25	25	0.00	-	-	-	-	1321
5	25	10	-	25	25	25	0.00	-	-	-	-	1381
5	25	11	-	25	25	25	0.00	-	-	-	-	1424
5	25	12	-	25	25	25	0.00	-	-	-	-	1449
5	25	13	-	25	25	25	0.00	-	-	-	-	1448
5	25	14	-	25	25	25	0.00	-	-	-	-	1448
5	25	15	-	25	25	25	0.00	-	-	-	-	1447
5	25	16	-	25	25	25	0.00	-	-	-	-	1439
5	25	17	-	25	25	25	0.00	-	-	-	-	1433
5	25	18	-	25	25	25	0.00	-	-	-	-	1415
5	25	19	-	25	25	25	0.00	-	-	-	-	1405
5	25	20	-	25	25	25	0.00	-	-	-	-	1443
5	25	21	-	25	25	25	0.00	-	-	-	-	1525

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	25	22	-	25	25	25	0.00	-	-	-	-	1473
5	25	23	-	25	25	25	0.00	-	-	-	-	1340
5	25	24	-	25	25	25	0.00	-	-	-	-	1358
5	26	1	-	25	25	25	0.00	-	-	-	-	1115
5	26	2	-	25	25	25	0.00	-	-	-	-	1053
5	26	3	-	25	25	25	0.00	-	-	-	-	1014
5	26	4	-	25	25	25	0.00	-	-	-	-	997
5	26	5	-	25	25	25	0.00	-	-	-	-	1013
5	26	6	-	25	25	25	0.00	-	-	-	-	1076
5	26	7	-	25	25	25	0.00	-	-	-	-	1172
5	26	8	-	25	25	25	0.00	-	-	-	-	1267
5	26	9	-	25	25	25	0.00	-	-	-	-	1328
5	26	10	-	25	25	25	0.00	-	-	-	-	1389
5	26	11	-	25	25	25	0.00	-	-	-	-	1441
5	26	12	-	25	25	25	0.00	-	-	-	-	1469
5	26	13	-	25	25	25	0.00	-	-	-	-	1476
5	26	14	-	25	25	25	0.00	-	-	-	-	1478
5	26	15	-	25	25	25	0.00	-	-	-	-	1478
5	26	16	-	25	25	25	0.00	-	-	-	-	1486

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	26	17	-	25	25	25	0.00	-	-	-	-	1480
5	26	18	-	25	25	25	0.00	-	-	-	-	1459
5	26	19	-	25	25	25	0.00	-	-	-	-	1438
5	26	20	-	25	25	25	0.00	-	-	-	-	1462
5	26	21	-	25	25	25	0.00	-	-	-	-	1538
5	26	22	-	25	25	25	0.00	-	-	-	-	1482
5	26	23	-	25	25	25	0.00	-	-	-	-	1355
5	26	24	-	25	25	25	0.00	-	-	-	-	1386
5	27	1	-	25	25	25	0.00	-	-	-	-	1123
5	27	2	-	25	25	25	0.00	-	-	-	-	1065
5	27	3	-	25	25	25	0.00	-	-	-	-	1027
5	27	4	-	25	25	25	0.00	-	-	-	-	1008
5	27	5	-	25	25	25	0.00	-	-	-	-	1019
5	27	6	-	25	25	25	0.00	-	-	-	-	1075
5	27	7	-	25	25	25	0.00	-	-	-	-	1167
5	27	8	-	25	25	25	0.00	-	-	-	-	1262
5	27	9	-	25	25	25	0.00	-	-	-	-	1330
5	27	10	-	25	25	25	0.00	-	-	-	-	1395
5	27	11	-	25	25	25	0.00	-	-	-	-	1441

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	27	12	-	25	25	25	0.00	-	-	-	-	1477
5	27	13	-	25	25	25	0.00	-	-	-	-	1491
5	27	14	-	25	25	25	0.00	-	-	-	-	1512
5	27	15	-	25	25	25	0.00	-	-	-	-	1518
5	27	16	-	25	25	25	0.00	-	-	-	-	1521
5	27	17	-	25	25	25	0.00	-	-	-	-	1515
5	27	18	-	25	25	25	0.00	-	-	-	-	1492
5	27	19	-	25	25	25	0.00	-	-	-	-	1467
5	27	20	-	25	25	25	0.00	-	-	-	-	1477
5	27	21	-	25	25	25	0.00	-	-	-	-	1524
5	27	22	-	25	25	25	0.00	-	-	-	-	1480
5	27	23	-	25	25	25	0.00	-	-	-	-	1372
5	27	24	-	25	25	25	0.00	-	-	-	-	1399
5	28	1	-	25	25	25	0.00	-	-	-	-	1145
5	28	2	-	25	25	25	0.00	-	-	-	-	1079
5	28	3	-	25	25	25	0.00	-	-	-	-	1036
5	28	4	-	25	25	25	0.00	-	-	-	-	1010
5	28	5	-	25	25	25	0.00	-	-	-	-	1005
5	28	6	-	25	25	25	0.00	-	-	-	-	1019

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	28	7	-	25	25	25	0.00	-	-	-	-	1040
5	28	8	-	25	25	25	0.00	-	-	-	-	1094
5	28	9	-	25	25	25	0.00	-	-	-	-	1176
5	28	10	-	25	25	25	0.00	-	-	-	-	1251
5	28	11	-	25	25	25	0.00	-	-	-	-	1296
5	28	12	-	25	25	25	0.00	-	-	-	-	1317
5	28	13	-	25	25	25	0.00	-	-	-	-	1331
5	28	14	-	25	25	25	0.00	-	-	-	-	1336
5	28	15	-	25	25	25	0.00	-	-	-	-	1329
5	28	16	-	25	25	25	0.00	-	-	-	-	1334
5	28	17	-	25	25	25	0.00	-	-	-	-	1337
5	28	18	-	25	25	25	0.00	-	-	-	-	1334
5	28	19	-	25	25	25	0.00	-	-	-	-	1332
5	28	20	-	25	25	25	0.00	-	-	-	-	1362
5	28	21	-	25	25	25	0.00	-	-	-	-	1426
5	28	22	-	25	25	25	0.00	-	-	-	-	1393
5	28	23	-	25	25	25	0.00	-	-	-	-	1308
5	28	24	-	25	25	25	0.00	-	-	-	-	1289
5	29	1	-	25	25	25	0.00	-	-	-	-	1117

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	29	2	-	25	25	25	0.00	-	-	-	-	1053
5	29	3	-	25	25	25	0.00	-	-	-	-	1008
5	29	4	-	25	25	25	0.00	-	-	-	-	977
5	29	5	-	25	25	25	0.00	-	-	-	-	967
5	29	6	-	25	25	25	0.00	-	-	-	-	973
5	29	7	-	25	25	25	0.00	-	-	-	-	985
5	29	8	-	25	25	25	0.00	-	-	-	-	1026
5	29	9	-	25	25	25	0.00	-	-	-	-	1094
5	29	10	-	25	25	25	0.00	-	-	-	-	1156
5	29	11	-	25	25	25	0.00	-	-	-	-	1200
5	29	12	-	25	25	25	0.00	-	-	-	-	1222
5	29	13	-	25	25	25	0.00	-	-	-	-	1230
5	29	14	-	25	25	25	0.00	-	-	-	-	1232
5	29	15	-	25	25	25	0.00	-	-	-	-	1239
5	29	16	-	25	25	25	0.00	-	-	-	-	1245
5	29	17	-	25	25	25	0.00	-	-	-	-	1250
5	29	18	-	25	25	25	0.00	-	-	-	-	1251
5	29	19	-	25	25	25	0.00	-	-	-	-	1261
5	29	20	-	25	25	25	0.00	-	-	-	-	1296

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	29	21	-	25	25	25	0.00	-	-	-	-	1381
5	29	22	-	25	25	25	0.00	-	-	-	-	1360
5	29	23	-	25	25	25	0.00	-	-	-	-	1277
5	29	24	-	25	25	25	0.00	-	-	-	-	1212
5	30	1	-	25	25	25	0.00	-	-	-	-	1079
5	30	2	-	25	25	25	0.00	-	-	-	-	1010
5	30	3	-	25	25	25	0.00	-	-	-	-	993
5	30	4	-	25	25	25	0.00	-	-	-	-	967
5	30	5	-	25	25	25	0.00	-	-	-	-	963
5	30	6	-	25	25	25	0.00	-	-	-	-	975
5	30	7	-	25	25	25	0.00	-	-	-	-	983
5	30	8	-	25	25	25	0.00	-	-	-	-	1023
5	30	9	-	25	25	25	0.00	-	-	-	-	1100
5	30	10	-	25	25	25	0.00	-	-	-	-	1179
5	30	11	-	25	25	25	0.00	-	-	-	-	1241
5	30	12	-	25	25	25	0.00	-	-	-	-	1278
5	30	13	-	25	25	25	0.00	-	-	-	-	1296
5	30	14	-	25	25	25	0.00	-	-	-	-	1310
5	30	15	-	25	25	25	0.00	-	-	-	-	1323

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	30	16	-	25	25	25	0.00	-	-	-	-	1337
5	30	17	-	25	25	25	0.00	-	-	-	-	1350
5	30	18	-	25	25	25	0.00	-	-	-	-	1371
5	30	19	-	25	25	25	0.00	-	-	-	-	1381
5	30	20	-	25	25	25	0.00	-	-	-	-	1417
5	30	21	-	25	25	25	0.00	-	-	-	-	1484
5	30	22	-	25	25	25	0.00	-	-	-	-	1433
5	30	23	-	25	25	25	0.00	-	-	-	-	1309
5	30	24	-	25	25	25	0.00	-	-	-	-	1258
5	31	1	-	25	25	25	0.00	-	-	-	-	1077
5	31	2	-	25	25	25	0.00	-	-	-	-	1016
5	31	3	-	25	25	25	0.00	-	-	-	-	981
5	31	4	-	25	25	25	0.00	-	-	-	-	968
5	31	5	-	25	25	25	0.00	-	-	-	-	990
5	31	6	-	25	25	25	0.00	-	-	-	-	1058
5	31	7	-	25	25	25	0.00	-	-	-	-	1166
5	31	8	-	25	25	25	0.00	-	-	-	-	1282
5	31	9	-	25	25	25	0.00	-	-	-	-	1354
5	31	10	-	25	25	25	0.00	-	-	-	-	1417

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
5	31	11	-	25	25	25	0.00	-	-	-	-	1473
5	31	12	-	25	25	25	0.00	-	-	-	-	1505
5	31	13	-	25	25	25	0.00	-	-	-	-	1528
5	31	14	-	25	25	25	0.00	-	-	-	-	1556
5	31	15	-	25	25	25	0.00	-	-	-	-	1570
5	31	16	-	25	25	25	0.00	-	-	-	-	1585
5	31	17	-	25	25	25	0.00	-	-	-	-	1586
5	31	18	-	25	25	25	0.00	-	-	-	-	1568
5	31	19	-	25	25	25	0.00	-	-	-	-	1551
5	31	20	-	25	25	25	0.00	-	-	-	-	1564
5	31	21	-	25	25	25	0.00	-	-	-	-	1611
5	31	22	-	25	25	25	0.00	-	-	-	-	1538
5	31	23	-	25	25	25	0.00	-	-	-	-	1398
5	31	24	-	25	25	25	0.00	-	-	-	-	1430
6	1	1	-	3	3	3	0.00	-	-	-	-	1139
6	1	2	-	3	3	3	0.00	-	-	-	-	1077
6	1	3	-	3	3	3	0.00	-	-	-	-	1037
6	1	4	-	3	3	3	0.00	-	-	-	-	1015
6	1	5	-	3	3	3	0.00	-	-	-	-	1020

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	1	6	-	3	3	3	0.00	-	-	-	-	1083
6	1	7	-	3	3	3	0.00	-	-	-	-	1181
6	1	8	-	3	3	3	0.00	-	-	-	-	1292
6	1	9	-	3	3	3	0.00	-	-	-	-	1350
6	1	10	-	3	3	3	0.00	-	-	-	-	1420
6	1	11	-	3	3	3	0.00	-	-	-	-	1474
6	1	12	-	3	3	3	0.00	-	-	-	-	1508
6	1	13	-	3	3	3	0.00	-	-	-	-	1529
6	1	14	-	3	3	3	0.00	-	-	-	-	1559
6	1	15	-	3	3	3	0.00	-	-	-	-	1587
6	1	16	-	3	3	3	0.00	-	-	-	-	1615
6	1	17	-	3	3	3	0.00	-	-	-	-	1614
6	1	18	-	3	3	3	0.00	-	-	-	-	1597
6	1	19	-	3	3	3	0.00	-	-	-	-	1574
6	1	20	-	3	3	3	0.00	-	-	-	-	1578
6	1	21	-	3	3	3	0.00	-	-	-	-	1619
6	1	22	-	3	3	3	0.00	-	-	-	-	1552
6	1	23	-	3	3	3	0.00	-	-	-	-	1409
6	1	24	-	3	3	3	0.00	-	-	-	-	1430

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	2	1	-	3	3	3	0.00	-	-	-	-	1166
6	2	2	-	3	3	3	0.00	-	-	-	-	1095
6	2	3	-	3	3	3	0.00	-	-	-	-	1052
6	2	4	-	3	3	3	0.00	-	-	-	-	1028
6	2	5	-	3	3	3	0.00	-	-	-	-	1038
6	2	6	-	3	3	3	0.00	-	-	-	-	1095
6	2	7	-	3	3	3	0.00	-	-	-	-	1196
6	2	8	-	3	3	3	0.00	-	-	-	-	1298
6	2	9	-	3	3	3	0.00	-	-	-	-	1373
6	2	10	-	3	3	3	0.00	-	-	-	-	1460
6	2	11	-	3	3	3	0.00	-	-	-	-	1544
6	2	12	-	3	3	3	0.00	-	-	-	-	1614
6	2	13	-	3	3	3	0.00	-	-	-	-	1665
6	2	14	-	3	3	3	0.00	-	-	-	-	1730
6	2	15	-	3	3	3	0.00	-	-	-	-	1784
6	2	16	-	3	3	3	0.00	-	-	-	-	1838
6	2	17	-	3	3	3	0.00	-	-	-	-	1862
6	2	18	-	3	3	3	0.00	-	-	-	-	1867
6	2	19	-	3	3	3	0.00	-	-	-	-	1839

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	2	20	-	3	3	3	0.00	-	-	-	-	1796
6	2	21	-	3	3	3	0.00	-	-	-	-	1784
6	2	22	-	3	3	3	0.00	-	-	-	-	1693
6	2	23	-	3	3	3	0.00	-	-	-	-	1518
6	2	24	-	3	3	3	0.00	-	-	-	-	1540
6	3	1	-	3	3	3	0.00	-	-	-	-	1231
6	3	2	-	3	3	3	0.00	-	-	-	-	1146
6	3	3	-	3	3	3	0.00	-	-	-	-	1092
6	3	4	-	3	3	3	0.00	-	-	-	-	1058
6	3	5	-	3	3	3	0.00	-	-	-	-	1064
6	3	6	-	3	3	3	0.00	-	-	-	-	1115
6	3	7	-	3	3	3	0.00	-	-	-	-	1206
6	3	8	-	3	3	3	0.00	-	-	-	-	1308
6	3	9	-	3	3	3	0.00	-	-	-	-	1386
6	3	10	-	3	3	3	0.00	-	-	-	-	1485
6	3	11	-	3	3	3	0.00	-	-	-	-	1591
6	3	12	-	3	3	3	0.00	-	-	-	-	1689
6	3	13	-	3	3	3	0.00	-	-	-	-	1763
6	3	14	-	3	3	3	0.00	-	-	-	-	1861

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	3	15	-	3	3	3	0.00	-	-	-	-	1955
6	3	16	-	3	3	3	0.00	-	-	-	-	2053
6	3	17	-	3	3	3	0.00	-	-	-	-	2119
6	3	18	-	3	3	3	0.00	-	-	-	-	2124
6	3	19	-	3	3	3	0.00	-	-	-	-	2052
6	3	20	-	3	3	3	0.00	-	-	-	-	1950
6	3	21	-	3	3	3	0.00	-	-	-	-	1889
6	3	22	-	3	3	3	0.00	-	-	-	-	1769
6	3	23	-	3	3	3	0.00	-	-	-	-	1603
6	3	24	-	3	3	3	0.00	-	-	-	-	1633
6	4	1	-	3	3	3	0.00	-	-	-	-	1288
6	4	2	-	3	3	3	0.00	-	-	-	-	1186
6	4	3	-	3	3	3	0.00	-	-	-	-	1119
6	4	4	-	3	3	3	0.00	-	-	-	-	1070
6	4	5	-	3	3	3	0.00	-	-	-	-	1055
6	4	6	-	3	3	3	0.00	-	-	-	-	1061
6	4	7	-	3	3	3	0.00	-	-	-	-	1079
6	4	8	-	3	3	3	0.00	-	-	-	-	1147
6	4	9	-	3	3	3	0.00	-	-	-	-	1250

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	4	10	-	3	3	3	0.00	-	-	-	-	1362
6	4	11	-	3	3	3	0.00	-	-	-	-	1468
6	4	12	-	3	3	3	0.00	-	-	-	-	1547
6	4	13	-	3	3	3	0.00	-	-	-	-	1630
6	4	14	-	3	3	3	0.00	-	-	-	-	1706
6	4	15	-	3	3	3	0.00	-	-	-	-	1771
6	4	16	-	3	3	3	0.00	-	-	-	-	1838
6	4	17	-	3	3	3	0.00	-	-	-	-	1860
6	4	18	-	3	3	3	0.00	-	-	-	-	1849
6	4	19	-	3	3	3	0.00	-	-	-	-	1804
6	4	20	-	3	3	3	0.00	-	-	-	-	1738
6	4	21	-	3	3	3	0.00	-	-	-	-	1704
6	4	22	-	3	3	3	0.00	-	-	-	-	1616
6	4	23	-	3	3	3	0.00	-	-	-	-	1483
6	4	24	-	3	3	3	0.00	-	-	-	-	1523
6	5	1	-	3	3	3	0.00	-	-	-	-	1218
6	5	2	-	3	3	3	0.00	-	-	-	-	1129
6	5	3	-	3	3	3	0.00	-	-	-	-	1070
6	5	4	-	3	3	3	0.00	-	-	-	-	1029

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	5	5	-	3	3	3	0.00	-	-	-	-	1007
6	5	6	-	3	3	3	0.00	-	-	-	-	999
6	5	7	-	3	3	3	0.00	-	-	-	-	1001
6	5	8	-	3	3	3	0.00	-	-	-	-	1041
6	5	9	-	3	3	3	0.00	-	-	-	-	1112
6	5	10	-	3	3	3	0.00	-	-	-	-	1196
6	5	11	-	3	3	3	0.00	-	-	-	-	1268
6	5	12	-	3	3	3	0.00	-	-	-	-	1322
6	5	13	-	3	3	3	0.00	-	-	-	-	1369
6	5	14	-	3	3	3	0.00	-	-	-	-	1409
6	5	15	-	3	3	3	0.00	-	-	-	-	1450
6	5	16	-	3	3	3	0.00	-	-	-	-	1492
6	5	17	-	3	3	3	0.00	-	-	-	-	1524
6	5	18	-	3	3	3	0.00	-	-	-	-	1552
6	5	19	-	3	3	3	0.00	-	-	-	-	1547
6	5	20	-	3	3	3	0.00	-	-	-	-	1528
6	5	21	-	3	3	3	0.00	-	-	-	-	1552
6	5	22	-	3	3	3	0.00	-	-	-	-	1488
6	5	23	-	3	3	3	0.00	-	-	-	-	1355

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	5	24	-	3	3	3	0.00	-	-	-	-	1315
6	6	1	-	3	3	3	0.00	-	-	-	-	1117
6	6	2	-	3	3	3	0.00	-	-	-	-	1053
6	6	3	-	3	3	3	0.00	-	-	-	-	1013
6	6	4	-	3	3	3	0.00	-	-	-	-	995
6	6	5	-	3	3	3	0.00	-	-	-	-	1009
6	6	6	-	3	3	3	0.00	-	-	-	-	1069
6	6	7	-	3	3	3	0.00	-	-	-	-	1165
6	6	8	-	3	3	3	0.00	-	-	-	-	1268
6	6	9	-	3	3	3	0.00	-	-	-	-	1344
6	6	10	-	3	3	3	0.00	-	-	-	-	1416
6	6	11	-	3	3	3	0.00	-	-	-	-	1473
6	6	12	-	3	3	3	0.00	-	-	-	-	1499
6	6	13	-	3	3	3	0.00	-	-	-	-	1522
6	6	14	-	3	3	3	0.00	-	-	-	-	1560
6	6	15	-	3	3	3	0.00	-	-	-	-	1591
6	6	16	-	3	3	3	0.00	-	-	-	-	1625
6	6	17	-	3	3	3	0.00	-	-	-	-	1644
6	6	18	-	3	3	3	0.00	-	-	-	-	1634

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	6	19	-	3	3	3	0.00	-	-	-	-	1605
6	6	20	-	3	3	3	0.00	-	-	-	-	1598
6	6	21	-	3	3	3	0.00	-	-	-	-	1632
6	6	22	-	3	3	3	0.00	-	-	-	-	1560
6	6	23	-	3	3	3	0.00	-	-	-	-	1413
6	6	24	-	3	3	3	0.00	-	-	-	-	1427
6	7	1	-	3	3	3	0.00	-	-	-	-	1164
6	7	2	-	3	3	3	0.00	-	-	-	-	1097
6	7	3	-	3	3	3	0.00	-	-	-	-	1053
6	7	4	-	3	3	3	0.00	-	-	-	-	1031
6	7	5	-	3	3	3	0.00	-	-	-	-	1037
6	7	6	-	3	3	3	0.00	-	-	-	-	1097
6	7	7	-	3	3	3	0.00	-	-	-	-	1194
6	7	8	-	3	3	3	0.00	-	-	-	-	1297
6	7	9	-	3	3	3	0.00	-	-	-	-	1363
6	7	10	-	3	3	3	0.00	-	-	-	-	1429
6	7	11	-	3	3	3	0.00	-	-	-	-	1478
6	7	12	-	3	3	3	0.00	-	-	-	-	1516
6	7	13	-	3	3	3	0.00	-	-	-	-	1541

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	7	14	-	3	3	3	0.00	-	-	-	-	1579
6	7	15	-	3	3	3	0.00	-	-	-	-	1615
6	7	16	-	3	3	3	0.00	-	-	-	-	1649
6	7	17	-	3	3	3	0.00	-	-	-	-	1658
6	7	18	-	3	3	3	0.00	-	-	-	-	1640
6	7	19	-	3	3	3	0.00	-	-	-	-	1610
6	7	20	-	3	3	3	0.00	-	-	-	-	1596
6	7	21	-	3	3	3	0.00	-	-	-	-	1637
6	7	22	-	3	3	3	0.00	-	-	-	-	1572
6	7	23	-	3	3	3	0.00	-	-	-	-	1429
6	7	24	-	3	3	3	0.00	-	-	-	-	1446
6	8	1	-	3	3	3	0.00	-	-	-	-	1174
6	8	2	-	3	3	3	0.00	-	-	-	-	1104
6	8	3	-	3	3	3	0.00	-	-	-	-	1058
6	8	4	-	3	3	3	0.00	-	-	-	-	1036
6	8	5	-	3	3	3	0.00	-	-	-	-	1042
6	8	6	-	3	3	3	0.00	-	-	-	-	1096
6	8	7	-	3	3	3	0.00	-	-	-	-	1183
6	8	8	-	3	3	3	0.00	-	-	-	-	1286

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	8	9	-	3	3	3	0.00	-	-	-	-	1363
6	8	10	-	3	3	3	0.00	-	-	-	-	1436
6	8	11	-	3	3	3	0.00	-	-	-	-	1502
6	8	12	-	3	3	3	0.00	-	-	-	-	1545
6	8	13	-	3	3	3	0.00	-	-	-	-	1577
6	8	14	-	3	3	3	0.00	-	-	-	-	1635
6	8	15	-	3	3	3	0.00	-	-	-	-	1682
6	8	16	-	3	3	3	0.00	-	-	-	-	1721
6	8	17	-	3	3	3	0.00	-	-	-	-	1737
6	8	18	-	3	3	3	0.00	-	-	-	-	1726
6	8	19	-	3	3	3	0.00	-	-	-	-	1694
6	8	20	-	3	3	3	0.00	-	-	-	-	1662
6	8	21	-	3	3	3	0.00	-	-	-	-	1680
6	8	22	-	3	3	3	0.00	-	-	-	-	1610
6	8	23	-	3	3	3	0.00	-	-	-	-	1459
6	8	24	-	3	3	3	0.00	-	-	-	-	1470
6	9	1	-	3	3	3	0.00	-	-	-	-	1197
6	9	2	-	3	3	3	0.00	-	-	-	-	1123
6	9	3	-	3	3	3	0.00	-	-	-	-	1072

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	9	4	-	3	3	3	0.00	-	-	-	-	1050
6	9	5	-	3	3	3	0.00	-	-	-	-	1054
6	9	6	-	3	3	3	0.00	-	-	-	-	1108
6	9	7	-	3	3	3	0.00	-	-	-	-	1192
6	9	8	-	3	3	3	0.00	-	-	-	-	1292
6	9	9	-	3	3	3	0.00	-	-	-	-	1370
6	9	10	-	3	3	3	0.00	-	-	-	-	1444
6	9	11	-	3	3	3	0.00	-	-	-	-	1513
6	9	12	-	3	3	3	0.00	-	-	-	-	1558
6	9	13	-	3	3	3	0.00	-	-	-	-	1585
6	9	14	-	3	3	3	0.00	-	-	-	-	1621
6	9	15	-	3	3	3	0.00	-	-	-	-	1647
6	9	16	-	3	3	3	0.00	-	-	-	-	1663
6	9	17	-	3	3	3	0.00	-	-	-	-	1657
6	9	18	-	3	3	3	0.00	-	-	-	-	1630
6	9	19	-	3	3	3	0.00	-	-	-	-	1603
6	9	20	-	3	3	3	0.00	-	-	-	-	1594
6	9	21	-	3	3	3	0.00	-	-	-	-	1627
6	9	22	-	3	3	3	0.00	-	-	-	-	1570

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	9	23	-	3	3	3	0.00	-	-	-	-	1434
6	9	24	-	3	3	3	0.00	-	-	-	-	1476
6	10	1	-	3	3	3	0.00	-	-	-	-	1191
6	10	2	-	3	3	3	0.00	-	-	-	-	1120
6	10	3	-	3	3	3	0.00	-	-	-	-	1072
6	10	4	-	3	3	3	0.00	-	-	-	-	1048
6	10	5	-	3	3	3	0.00	-	-	-	-	1055
6	10	6	-	3	3	3	0.00	-	-	-	-	1106
6	10	7	-	3	3	3	0.00	-	-	-	-	1197
6	10	8	-	3	3	3	0.00	-	-	-	-	1297
6	10	9	-	3	3	3	0.00	-	-	-	-	1371
6	10	10	-	3	3	3	0.00	-	-	-	-	1434
6	10	11	-	3	3	3	0.00	-	-	-	-	1489
6	10	12	-	3	3	3	0.00	-	-	-	-	1536
6	10	13	-	3	3	3	0.00	-	-	-	-	1566
6	10	14	-	3	3	3	0.00	-	-	-	-	1609
6	10	15	-	3	3	3	0.00	-	-	-	-	1637
6	10	16	-	3	3	3	0.00	-	-	-	-	1666
6	10	17	-	3	3	3	0.00	-	-	-	-	1674

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	10	18	-	3	3	3	0.00	-	-	-	-	1653
6	10	19	-	3	3	3	0.00	-	-	-	-	1611
6	10	20	-	3	3	3	0.00	-	-	-	-	1574
6	10	21	-	3	3	3	0.00	-	-	-	-	1599
6	10	22	-	3	3	3	0.00	-	-	-	-	1548
6	10	23	-	3	3	3	0.00	-	-	-	-	1433
6	10	24	-	3	3	3	0.00	-	-	-	-	1467
6	11	1	-	3	3	3	0.00	-	-	-	-	1198
6	11	2	-	3	3	3	0.00	-	-	-	-	1121
6	11	3	-	3	3	3	0.00	-	-	-	-	1068
6	11	4	-	3	3	3	0.00	-	-	-	-	1038
6	11	5	-	3	3	3	0.00	-	-	-	-	1030
6	11	6	-	3	3	3	0.00	-	-	-	-	1042
6	11	7	-	3	3	3	0.00	-	-	-	-	1070
6	11	8	-	3	3	3	0.00	-	-	-	-	1128
6	11	9	-	3	3	3	0.00	-	-	-	-	1213
6	11	10	-	3	3	3	0.00	-	-	-	-	1290
6	11	11	-	3	3	3	0.00	-	-	-	-	1342
6	11	12	-	3	3	3	0.00	-	-	-	-	1359

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	11	13	-	3	3	3	0.00	-	-	-	-	1365
6	11	14	-	3	3	3	0.00	-	-	-	-	1359
6	11	15	-	3	3	3	0.00	-	-	-	-	1339
6	11	16	-	3	3	3	0.00	-	-	-	-	1321
6	11	17	-	3	3	3	0.00	-	-	-	-	1307
6	11	18	-	3	3	3	0.00	-	-	-	-	1305
6	11	19	-	3	3	3	0.00	-	-	-	-	1311
6	11	20	-	3	3	3	0.00	-	-	-	-	1338
6	11	21	-	3	3	3	0.00	-	-	-	-	1399
6	11	22	-	3	3	3	0.00	-	-	-	-	1365
6	11	23	-	3	3	3	0.00	-	-	-	-	1292
6	11	24	-	3	3	3	0.00	-	-	-	-	1308
6	12	1	-	3	3	3	0.00	-	-	-	-	1113
6	12	2	-	3	3	3	0.00	-	-	-	-	1050
6	12	3	-	3	3	3	0.00	-	-	-	-	1009
6	12	4	-	3	3	3	0.00	-	-	-	-	978
6	12	5	-	3	3	3	0.00	-	-	-	-	967
6	12	6	-	3	3	3	0.00	-	-	-	-	971
6	12	7	-	3	3	3	0.00	-	-	-	-	979

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	12	8	-	3	3	3	0.00	-	-	-	-	1020
6	12	9	-	3	3	3	0.00	-	-	-	-	1089
6	12	10	-	3	3	3	0.00	-	-	-	-	1155
6	12	11	-	3	3	3	0.00	-	-	-	-	1205
6	12	12	-	3	3	3	0.00	-	-	-	-	1228
6	12	13	-	3	3	3	0.00	-	-	-	-	1233
6	12	14	-	3	3	3	0.00	-	-	-	-	1233
6	12	15	-	3	3	3	0.00	-	-	-	-	1238
6	12	16	-	3	3	3	0.00	-	-	-	-	1246
6	12	17	-	3	3	3	0.00	-	-	-	-	1260
6	12	18	-	3	3	3	0.00	-	-	-	-	1284
6	12	19	-	3	3	3	0.00	-	-	-	-	1304
6	12	20	-	3	3	3	0.00	-	-	-	-	1330
6	12	21	-	3	3	3	0.00	-	-	-	-	1412
6	12	22	-	3	3	3	0.00	-	-	-	-	1393
6	12	23	-	3	3	3	0.00	-	-	-	-	1293
6	12	24	-	3	3	3	0.00	-	-	-	-	1213
6	13	1	-	3	3	3	0.00	-	-	-	-	1083
6	13	2	-	3	3	3	0.00	-	-	-	-	1019

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	13	3	-	3	3	3	0.00	-	-	-	-	980
6	13	4	-	3	3	3	0.00	-	-	-	-	968
6	13	5	-	3	3	3	0.00	-	-	-	-	982
6	13	6	-	3	3	3	0.00	-	-	-	-	1039
6	13	7	-	3	3	3	0.00	-	-	-	-	1122
6	13	8	-	3	3	3	0.00	-	-	-	-	1230
6	13	9	-	3	3	3	0.00	-	-	-	-	1309
6	13	10	-	3	3	3	0.00	-	-	-	-	1376
6	13	11	-	3	3	3	0.00	-	-	-	-	1434
6	13	12	-	3	3	3	0.00	-	-	-	-	1461
6	13	13	-	3	3	3	0.00	-	-	-	-	1469
6	13	14	-	3	3	3	0.00	-	-	-	-	1487
6	13	15	-	3	3	3	0.00	-	-	-	-	1500
6	13	16	-	3	3	3	0.00	-	-	-	-	1501
6	13	17	-	3	3	3	0.00	-	-	-	-	1487
6	13	18	-	3	3	3	0.00	-	-	-	-	1466
6	13	19	-	3	3	3	0.00	-	-	-	-	1458
6	13	20	-	3	3	3	0.00	-	-	-	-	1473
6	13	21	-	3	3	3	0.00	-	-	-	-	1530

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	13	22	-	3	3	3	0.00	-	-	-	-	1483
6	13	23	-	3	3	3	0.00	-	-	-	-	1355
6	13	24	-	3	3	3	0.00	-	-	-	-	1372
6	14	1	-	3	3	3	0.00	-	-	-	-	1127
6	14	2	-	3	3	3	0.00	-	-	-	-	1065
6	14	3	-	3	3	3	0.00	-	-	-	-	1027
6	14	4	-	3	3	3	0.00	-	-	-	-	1009
6	14	5	-	3	3	3	0.00	-	-	-	-	1018
6	14	6	-	3	3	3	0.00	-	-	-	-	1072
6	14	7	-	3	3	3	0.00	-	-	-	-	1159
6	14	8	-	3	3	3	0.00	-	-	-	-	1262
6	14	9	-	3	3	3	0.00	-	-	-	-	1334
6	14	10	-	3	3	3	0.00	-	-	-	-	1396
6	14	11	-	3	3	3	0.00	-	-	-	-	1444
6	14	12	-	3	3	3	0.00	-	-	-	-	1465
6	14	13	-	3	3	3	0.00	-	-	-	-	1470
6	14	14	-	3	3	3	0.00	-	-	-	-	1484
6	14	15	-	3	3	3	0.00	-	-	-	-	1493
6	14	16	-	3	3	3	0.00	-	-	-	-	1500

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	14	17	-	3	3	3	0.00	-	-	-	-	1497
6	14	18	-	3	3	3	0.00	-	-	-	-	1485
6	14	19	-	3	3	3	0.00	-	-	-	-	1471
6	14	20	-	3	3	3	0.00	-	-	-	-	1478
6	14	21	-	3	3	3	0.00	-	-	-	-	1539
6	14	22	-	3	3	3	0.00	-	-	-	-	1497
6	14	23	-	3	3	3	0.00	-	-	-	-	1369
6	14	24	-	3	3	3	0.00	-	-	-	-	1382
6	15	1	-	3	3	3	0.00	-	-	-	-	1145
6	15	2	-	3	3	3	0.00	-	-	-	-	1079
6	15	3	-	3	3	3	0.00	-	-	-	-	1035
6	15	4	-	3	3	3	0.00	-	-	-	-	1016
6	15	5	-	3	3	3	0.00	-	-	-	-	1024
6	15	6	-	3	3	3	0.00	-	-	-	-	1084
6	15	7	-	3	3	3	0.00	-	-	-	-	1175
6	15	8	-	3	3	3	0.00	-	-	-	-	1277
6	15	9	-	3	3	3	0.00	-	-	-	-	1353
6	15	10	-	3	3	3	0.00	-	-	-	-	1409
6	15	11	-	3	3	3	0.00	-	-	-	-	1449

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	15	12	-	3	3	3	0.00	-	-	-	-	1469
6	15	13	-	3	3	3	0.00	-	-	-	-	1474
6	15	14	-	3	3	3	0.00	-	-	-	-	1484
6	15	15	-	3	3	3	0.00	-	-	-	-	1493
6	15	16	-	3	3	3	0.00	-	-	-	-	1494
6	15	17	-	3	3	3	0.00	-	-	-	-	1485
6	15	18	-	3	3	3	0.00	-	-	-	-	1470
6	15	19	-	3	3	3	0.00	-	-	-	-	1455
6	15	20	-	3	3	3	0.00	-	-	-	-	1459
6	15	21	-	3	3	3	0.00	-	-	-	-	1521
6	15	22	-	3	3	3	0.00	-	-	-	-	1484
6	15	23	-	3	3	3	0.00	-	-	-	-	1367
6	15	24	-	3	3	3	0.00	-	-	-	-	1379
6	16	1	-	3	3	3	0.00	-	-	-	-	1136
6	16	2	-	3	3	3	0.00	-	-	-	-	1069
6	16	3	-	3	3	3	0.00	-	-	-	-	1027
6	16	4	-	3	3	3	0.00	-	-	-	-	1008
6	16	5	-	3	3	3	0.00	-	-	-	-	1014
6	16	6	-	3	3	3	0.00	-	-	-	-	1064

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	16	7	-	3	3	3	0.00	-	-	-	-	1141
6	16	8	-	3	3	3	0.00	-	-	-	-	1234
6	16	9	-	3	3	3	0.00	-	-	-	-	1315
6	16	10	-	3	3	3	0.00	-	-	-	-	1384
6	16	11	-	3	3	3	0.00	-	-	-	-	1449
6	16	12	-	3	3	3	0.00	-	-	-	-	1498
6	16	13	-	3	3	3	0.00	-	-	-	-	1516
6	16	14	-	3	3	3	0.00	-	-	-	-	1544
6	16	15	-	3	3	3	0.00	-	-	-	-	1566
6	16	16	-	3	3	3	0.00	-	-	-	-	1578
6	16	17	-	3	3	3	0.00	-	-	-	-	1581
6	16	18	-	3	3	3	0.00	-	-	-	-	1570
6	16	19	-	3	3	3	0.00	-	-	-	-	1545
6	16	20	-	3	3	3	0.00	-	-	-	-	1533
6	16	21	-	3	3	3	0.00	-	-	-	-	1577
6	16	22	-	3	3	3	0.00	-	-	-	-	1535
6	16	23	-	3	3	3	0.00	-	-	-	-	1406
6	16	24	-	3	3	3	0.00	-	-	-	-	1419
6	17	1	-	3	3	3	0.00	-	-	-	-	1168

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	17	2	-	3	3	3	0.00	-	-	-	-	1099
6	17	3	-	3	3	3	0.00	-	-	-	-	1055
6	17	4	-	3	3	3	0.00	-	-	-	-	1029
6	17	5	-	3	3	3	0.00	-	-	-	-	1031
6	17	6	-	3	3	3	0.00	-	-	-	-	1077
6	17	7	-	3	3	3	0.00	-	-	-	-	1148
6	17	8	-	3	3	3	0.00	-	-	-	-	1245
6	17	9	-	3	3	3	0.00	-	-	-	-	1343
6	17	10	-	3	3	3	0.00	-	-	-	-	1433
6	17	11	-	3	3	3	0.00	-	-	-	-	1520
6	17	12	-	3	3	3	0.00	-	-	-	-	1582
6	17	13	-	3	3	3	0.00	-	-	-	-	1631
6	17	14	-	3	3	3	0.00	-	-	-	-	1694
6	17	15	-	3	3	3	0.00	-	-	-	-	1744
6	17	16	-	3	3	3	0.00	-	-	-	-	1783
6	17	17	-	3	3	3	0.00	-	-	-	-	1801
6	17	18	-	3	3	3	0.00	-	-	-	-	1788
6	17	19	-	3	3	3	0.00	-	-	-	-	1742
6	17	20	-	3	3	3	0.00	-	-	-	-	1682

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	17	21	-	3	3	3	0.00	-	-	-	-	1682
6	17	22	-	3	3	3	0.00	-	-	-	-	1629
6	17	23	-	3	3	3	0.00	-	-	-	-	1501
6	17	24	-	3	3	3	0.00	-	-	-	-	1524
6	18	1	-	3	3	3	0.00	-	-	-	-	1240
6	18	2	-	3	3	3	0.00	-	-	-	-	1152
6	18	3	-	3	3	3	0.00	-	-	-	-	1092
6	18	4	-	3	3	3	0.00	-	-	-	-	1056
6	18	5	-	3	3	3	0.00	-	-	-	-	1041
6	18	6	-	3	3	3	0.00	-	-	-	-	1050
6	18	7	-	3	3	3	0.00	-	-	-	-	1061
6	18	8	-	3	3	3	0.00	-	-	-	-	1129
6	18	9	-	3	3	3	0.00	-	-	-	-	1239
6	18	10	-	3	3	3	0.00	-	-	-	-	1360
6	18	11	-	3	3	3	0.00	-	-	-	-	1472
6	18	12	-	3	3	3	0.00	-	-	-	-	1574
6	18	13	-	3	3	3	0.00	-	-	-	-	1668
6	18	14	-	3	3	3	0.00	-	-	-	-	1751
6	18	15	-	3	3	3	0.00	-	-	-	-	1826

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	18	16	-	3	3	3	0.00	-	-	-	-	1878
6	18	17	-	3	3	3	0.00	-	-	-	-	1904
6	18	18	-	3	3	3	0.00	-	-	-	-	1908
6	18	19	-	3	3	3	0.00	-	-	-	-	1863
6	18	20	-	3	3	3	0.00	-	-	-	-	1807
6	18	21	-	3	3	3	0.00	-	-	-	-	1784
6	18	22	-	3	3	3	0.00	-	-	-	-	1722
6	18	23	-	3	3	3	0.00	-	-	-	-	1597
6	18	24	-	3	3	3	0.00	-	-	-	-	1587
6	19	1	-	3	3	3	0.00	-	-	-	-	1315
6	19	2	-	3	3	3	0.00	-	-	-	-	1211
6	19	3	-	3	3	3	0.00	-	-	-	-	1141
6	19	4	-	3	3	3	0.00	-	-	-	-	1093
6	19	5	-	3	3	3	0.00	-	-	-	-	1061
6	19	6	-	3	3	3	0.00	-	-	-	-	1048
6	19	7	-	3	3	3	0.00	-	-	-	-	1048
6	19	8	-	3	3	3	0.00	-	-	-	-	1114
6	19	9	-	3	3	3	0.00	-	-	-	-	1228
6	19	10	-	3	3	3	0.00	-	-	-	-	1380

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	19	11	-	3	3	3	0.00	-	-	-	-	1554
6	19	12	-	3	3	3	0.00	-	-	-	-	1732
6	19	13	-	3	3	3	0.00	-	-	-	-	1897
6	19	14	-	3	3	3	0.00	-	-	-	-	2039
6	19	15	-	3	3	3	0.00	-	-	-	-	2135
6	19	16	-	3	3	3	0.00	-	-	-	-	2209
6	19	17	-	3	3	3	0.00	-	-	-	-	2272
6	19	18	-	3	3	3	0.00	-	-	-	-	2313
6	19	19	-	3	3	3	0.00	-	-	-	-	2306
6	19	20	-	3	3	3	0.00	-	-	-	-	2251
6	19	21	-	3	3	3	0.00	-	-	-	-	2218
6	19	22	-	3	3	3	0.00	-	-	-	-	2122
6	19	23	-	3	3	3	0.00	-	-	-	-	1919
6	19	24	-	3	3	3	0.00	-	-	-	-	1840
6	20	1	-	3	3	3	0.00	-	-	-	-	1500
6	20	2	-	3	3	3	0.00	-	-	-	-	1368
6	20	3	-	3	3	3	0.00	-	-	-	-	1283
6	20	4	-	3	3	3	0.00	-	-	-	-	1230
6	20	5	-	3	3	3	0.00	-	-	-	-	1222

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	20	6	-	3	3	3	0.00	-	-	-	-	1255
6	20	7	-	3	3	3	0.00	-	-	-	-	1343
6	20	8	-	3	3	3	0.00	-	-	-	-	1508
6	20	9	-	3	3	3	0.00	-	-	-	-	1709
6	20	10	-	3	3	3	0.00	-	-	-	-	1938
6	20	11	-	3	3	3	0.00	-	-	-	-	2168
6	20	12	-	3	3	3	0.00	-	-	-	-	2348
6	20	13	-	3	3	3	0.00	-	-	-	-	2470
6	20	14	-	3	3	3	0.00	-	-	-	-	2588
6	20	15	-	3	3	3	0.00	-	-	-	-	2682
6	20	16	-	3	3	3	0.00	-	-	-	-	2753
6	20	17	-	3	3	3	0.00	-	-	-	-	2753
6	20	18	-	3	3	3	0.00	-	-	-	-	2742
6	20	19	-	3	3	3	0.00	-	-	-	-	2702
6	20	20	-	3	3	3	0.00	-	-	-	-	2612
6	20	21	-	3	3	3	0.00	-	-	-	-	2557
6	20	22	-	3	3	3	0.00	-	-	-	-	2397
6	20	23	-	3	3	3	0.00	-	-	-	-	2134
6	20	24	-	3	3	3	0.00	-	-	-	-	2262

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	21	1	-	3	3	3	0.00	-	-	-	-	1663
6	21	2	-	3	3	3	0.00	-	-	-	-	1514
6	21	3	-	3	3	3	0.00	-	-	-	-	1410
6	21	4	-	3	3	3	0.00	-	-	-	-	1341
6	21	5	-	3	3	3	0.00	-	-	-	-	1309
6	21	6	-	3	3	3	0.00	-	-	-	-	1336
6	21	7	-	3	3	3	0.00	-	-	-	-	1411
6	21	8	-	3	3	3	0.00	-	-	-	-	1539
6	21	9	-	3	3	3	0.00	-	-	-	-	1678
6	21	10	-	3	3	3	0.00	-	-	-	-	1833
6	21	11	-	3	3	3	0.00	-	-	-	-	1985
6	21	12	-	3	3	3	0.00	-	-	-	-	2112
6	21	13	-	3	3	3	0.00	-	-	-	-	2222
6	21	14	-	3	3	3	0.00	-	-	-	-	2317
6	21	15	-	3	3	3	0.00	-	-	-	-	2353
6	21	16	-	3	3	3	0.00	-	-	-	-	2362
6	21	17	-	3	3	3	0.00	-	-	-	-	2345
6	21	18	-	3	3	3	0.00	-	-	-	-	2296
6	21	19	-	3	3	3	0.00	-	-	-	-	2212

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	21	20	-	3	3	3	0.00	-	-	-	-	2100
6	21	21	-	3	3	3	0.00	-	-	-	-	2053
6	21	22	-	3	3	3	0.00	-	-	-	-	1964
6	21	23	-	3	3	3	0.00	-	-	-	-	1775
6	21	24	-	3	3	3	0.00	-	-	-	-	2002
6	22	1	-	3	3	3	0.00	-	-	-	-	1420
6	22	2	-	3	3	3	0.00	-	-	-	-	1316
6	22	3	-	3	3	3	0.00	-	-	-	-	1245
6	22	4	-	3	3	3	0.00	-	-	-	-	1199
6	22	5	-	3	3	3	0.00	-	-	-	-	1190
6	22	6	-	3	3	3	0.00	-	-	-	-	1232
6	22	7	-	3	3	3	0.00	-	-	-	-	1306
6	22	8	-	3	3	3	0.00	-	-	-	-	1410
6	22	9	-	3	3	3	0.00	-	-	-	-	1519
6	22	10	-	3	3	3	0.00	-	-	-	-	1639
6	22	11	-	3	3	3	0.00	-	-	-	-	1767
6	22	12	-	3	3	3	0.00	-	-	-	-	1876
6	22	13	-	3	3	3	0.00	-	-	-	-	1970
6	22	14	-	3	3	3	0.00	-	-	-	-	2062

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	22	15	-	3	3	3	0.00	-	-	-	-	2146
6	22	16	-	3	3	3	0.00	-	-	-	-	2202
6	22	17	-	3	3	3	0.00	-	-	-	-	2224
6	22	18	-	3	3	3	0.00	-	-	-	-	2188
6	22	19	-	3	3	3	0.00	-	-	-	-	2095
6	22	20	-	3	3	3	0.00	-	-	-	-	1981
6	22	21	-	3	3	3	0.00	-	-	-	-	1919
6	22	22	-	3	3	3	0.00	-	-	-	-	1822
6	22	23	-	3	3	3	0.00	-	-	-	-	1643
6	22	24	-	3	3	3	0.00	-	-	-	-	1783
6	23	1	-	3	3	3	0.00	-	-	-	-	1326
6	23	2	-	3	3	3	0.00	-	-	-	-	1235
6	23	3	-	3	3	3	0.00	-	-	-	-	1178
6	23	4	-	3	3	3	0.00	-	-	-	-	1144
6	23	5	-	3	3	3	0.00	-	-	-	-	1144
6	23	6	-	3	3	3	0.00	-	-	-	-	1187
6	23	7	-	3	3	3	0.00	-	-	-	-	1266
6	23	8	-	3	3	3	0.00	-	-	-	-	1364
6	23	9	-	3	3	3	0.00	-	-	-	-	1468

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	23	10	-	3	3	3	0.00	-	-	-	-	1581
6	23	11	-	3	3	3	0.00	-	-	-	-	1691
6	23	12	-	3	3	3	0.00	-	-	-	-	1778
6	23	13	-	3	3	3	0.00	-	-	-	-	1851
6	23	14	-	3	3	3	0.00	-	-	-	-	1933
6	23	15	-	3	3	3	0.00	-	-	-	-	2011
6	23	16	-	3	3	3	0.00	-	-	-	-	2065
6	23	17	-	3	3	3	0.00	-	-	-	-	2092
6	23	18	-	3	3	3	0.00	-	-	-	-	2070
6	23	19	-	3	3	3	0.00	-	-	-	-	2007
6	23	20	-	3	3	3	0.00	-	-	-	-	1925
6	23	21	-	3	3	3	0.00	-	-	-	-	1893
6	23	22	-	3	3	3	0.00	-	-	-	-	1806
6	23	23	-	3	3	3	0.00	-	-	-	-	1634
6	23	24	-	3	3	3	0.00	-	-	-	-	1700
6	24	1	-	3	3	3	0.00	-	-	-	-	1322
6	24	2	-	3	3	3	0.00	-	-	-	-	1235
6	24	3	-	3	3	3	0.00	-	-	-	-	1176
6	24	4	-	3	3	3	0.00	-	-	-	-	1138

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	24	5	-	3	3	3	0.00	-	-	-	-	1141
6	24	6	-	3	3	3	0.00	-	-	-	-	1187
6	24	7	-	3	3	3	0.00	-	-	-	-	1257
6	24	8	-	3	3	3	0.00	-	-	-	-	1356
6	24	9	-	3	3	3	0.00	-	-	-	-	1451
6	24	10	-	3	3	3	0.00	-	-	-	-	1547
6	24	11	-	3	3	3	0.00	-	-	-	-	1635
6	24	12	-	3	3	3	0.00	-	-	-	-	1709
6	24	13	-	3	3	3	0.00	-	-	-	-	1766
6	24	14	-	3	3	3	0.00	-	-	-	-	1844
6	24	15	-	3	3	3	0.00	-	-	-	-	1907
6	24	16	-	3	3	3	0.00	-	-	-	-	1950
6	24	17	-	3	3	3	0.00	-	-	-	-	1971
6	24	18	-	3	3	3	0.00	-	-	-	-	1946
6	24	19	-	3	3	3	0.00	-	-	-	-	1878
6	24	20	-	3	3	3	0.00	-	-	-	-	1793
6	24	21	-	3	3	3	0.00	-	-	-	-	1764
6	24	22	-	3	3	3	0.00	-	-	-	-	1693
6	24	23	-	3	3	3	0.00	-	-	-	-	1552

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	24	24	-	3	3	3	0.00	-	-	-	-	1629
6	25	1	-	3	3	3	0.00	-	-	-	-	1294
6	25	2	-	3	3	3	0.00	-	-	-	-	1204
6	25	3	-	3	3	3	0.00	-	-	-	-	1145
6	25	4	-	3	3	3	0.00	-	-	-	-	1104
6	25	5	-	3	3	3	0.00	-	-	-	-	1091
6	25	6	-	3	3	3	0.00	-	-	-	-	1096
6	25	7	-	3	3	3	0.00	-	-	-	-	1106
6	25	8	-	3	3	3	0.00	-	-	-	-	1166
6	25	9	-	3	3	3	0.00	-	-	-	-	1264
6	25	10	-	3	3	3	0.00	-	-	-	-	1373
6	25	11	-	3	3	3	0.00	-	-	-	-	1478
6	25	12	-	3	3	3	0.00	-	-	-	-	1568
6	25	13	-	3	3	3	0.00	-	-	-	-	1650
6	25	14	-	3	3	3	0.00	-	-	-	-	1730
6	25	15	-	3	3	3	0.00	-	-	-	-	1816
6	25	16	-	3	3	3	0.00	-	-	-	-	1888
6	25	17	-	3	3	3	0.00	-	-	-	-	1937
6	25	18	-	3	3	3	0.00	-	-	-	-	1933

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	25	19	-	3	3	3	0.00	-	-	-	-	1879
6	25	20	-	3	3	3	0.00	-	-	-	-	1792
6	25	21	-	3	3	3	0.00	-	-	-	-	1760
6	25	22	-	3	3	3	0.00	-	-	-	-	1692
6	25	23	-	3	3	3	0.00	-	-	-	-	1566
6	25	24	-	3	3	3	0.00	-	-	-	-	1570
6	26	1	-	3	3	3	0.00	-	-	-	-	1299
6	26	2	-	3	3	3	0.00	-	-	-	-	1205
6	26	3	-	3	3	3	0.00	-	-	-	-	1137
6	26	4	-	3	3	3	0.00	-	-	-	-	1093
6	26	5	-	3	3	3	0.00	-	-	-	-	1069
6	26	6	-	3	3	3	0.00	-	-	-	-	1060
6	26	7	-	3	3	3	0.00	-	-	-	-	1057
6	26	8	-	3	3	3	0.00	-	-	-	-	1109
6	26	9	-	3	3	3	0.00	-	-	-	-	1205
6	26	10	-	3	3	3	0.00	-	-	-	-	1326
6	26	11	-	3	3	3	0.00	-	-	-	-	1462
6	26	12	-	3	3	3	0.00	-	-	-	-	1602
6	26	13	-	3	3	3	0.00	-	-	-	-	1738

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	26	14	-	3	3	3	0.00	-	-	-	-	1870
6	26	15	-	3	3	3	0.00	-	-	-	-	1983
6	26	16	-	3	3	3	0.00	-	-	-	-	2057
6	26	17	-	3	3	3	0.00	-	-	-	-	2095
6	26	18	-	3	3	3	0.00	-	-	-	-	2094
6	26	19	-	3	3	3	0.00	-	-	-	-	2048
6	26	20	-	3	3	3	0.00	-	-	-	-	1949
6	26	21	-	3	3	3	0.00	-	-	-	-	1897
6	26	22	-	3	3	3	0.00	-	-	-	-	1807
6	26	23	-	3	3	3	0.00	-	-	-	-	1640
6	26	24	-	3	3	3	0.00	-	-	-	-	1649
6	27	1	-	3	3	3	0.00	-	-	-	-	1331
6	27	2	-	3	3	3	0.00	-	-	-	-	1239
6	27	3	-	3	3	3	0.00	-	-	-	-	1180
6	27	4	-	3	3	3	0.00	-	-	-	-	1146
6	27	5	-	3	3	3	0.00	-	-	-	-	1156
6	27	6	-	3	3	3	0.00	-	-	-	-	1207
6	27	7	-	3	3	3	0.00	-	-	-	-	1288
6	27	8	-	3	3	3	0.00	-	-	-	-	1409

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	27	9	-	3	3	3	0.00	-	-	-	-	1524
6	27	10	-	3	3	3	0.00	-	-	-	-	1658
6	27	11	-	3	3	3	0.00	-	-	-	-	1811
6	27	12	-	3	3	3	0.00	-	-	-	-	1957
6	27	13	-	3	3	3	0.00	-	-	-	-	2088
6	27	14	-	3	3	3	0.00	-	-	-	-	2219
6	27	15	-	3	3	3	0.00	-	-	-	-	2327
6	27	16	-	3	3	3	0.00	-	-	-	-	2405
6	27	17	-	3	3	3	0.00	-	-	-	-	2420
6	27	18	-	3	3	3	0.00	-	-	-	-	2408
6	27	19	-	3	3	3	0.00	-	-	-	-	2309
6	27	20	-	3	3	3	0.00	-	-	-	-	2218
6	27	21	-	3	3	3	0.00	-	-	-	-	2198
6	27	22	-	3	3	3	0.00	-	-	-	-	2078
6	27	23	-	3	3	3	0.00	-	-	-	-	1863
6	27	24	-	3	3	3	0.00	-	-	-	-	1925
6	28	1	-	3	3	3	0.00	-	-	-	-	1474
6	28	2	-	3	3	3	0.00	-	-	-	-	1359
6	28	3	-	3	3	3	0.00	-	-	-	-	1277

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	28	4	-	3	3	3	0.00	-	-	-	-	1227
6	28	5	-	3	3	3	0.00	-	-	-	-	1219
6	28	6	-	3	3	3	0.00	-	-	-	-	1262
6	28	7	-	3	3	3	0.00	-	-	-	-	1349
6	28	8	-	3	3	3	0.00	-	-	-	-	1456
6	28	9	-	3	3	3	0.00	-	-	-	-	1569
6	28	10	-	3	3	3	0.00	-	-	-	-	1704
6	28	11	-	3	3	3	0.00	-	-	-	-	1847
6	28	12	-	3	3	3	0.00	-	-	-	-	1965
6	28	13	-	3	3	3	0.00	-	-	-	-	2052
6	28	14	-	3	3	3	0.00	-	-	-	-	2135
6	28	15	-	3	3	3	0.00	-	-	-	-	2210
6	28	16	-	3	3	3	0.00	-	-	-	-	2270
6	28	17	-	3	3	3	0.00	-	-	-	-	2263
6	28	18	-	3	3	3	0.00	-	-	-	-	2206
6	28	19	-	3	3	3	0.00	-	-	-	-	2128
6	28	20	-	3	3	3	0.00	-	-	-	-	2039
6	28	21	-	3	3	3	0.00	-	-	-	-	1999
6	28	22	-	3	3	3	0.00	-	-	-	-	1906

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	28	23	-	3	3	3	0.00	-	-	-	-	1720
6	28	24	-	3	3	3	0.00	-	-	-	-	1853
6	29	1	-	3	3	3	0.00	-	-	-	-	1376
6	29	2	-	3	3	3	0.00	-	-	-	-	1272
6	29	3	-	3	3	3	0.00	-	-	-	-	1203
6	29	4	-	3	3	3	0.00	-	-	-	-	1159
6	29	5	-	3	3	3	0.00	-	-	-	-	1156
6	29	6	-	3	3	3	0.00	-	-	-	-	1207
6	29	7	-	3	3	3	0.00	-	-	-	-	1289
6	29	8	-	3	3	3	0.00	-	-	-	-	1403
6	29	9	-	3	3	3	0.00	-	-	-	-	1530
6	29	10	-	3	3	3	0.00	-	-	-	-	1663
6	29	11	-	3	3	3	0.00	-	-	-	-	1810
6	29	12	-	3	3	3	0.00	-	-	-	-	1951
6	29	13	-	3	3	3	0.00	-	-	-	-	2071
6	29	14	-	3	3	3	0.00	-	-	-	-	2182
6	29	15	-	3	3	3	0.00	-	-	-	-	2254
6	29	16	-	3	3	3	0.00	-	-	-	-	2305
6	29	17	-	3	3	3	0.00	-	-	-	-	2316

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	29	18	-	3	3	3	0.00	-	-	-	-	2283
6	29	19	-	3	3	3	0.00	-	-	-	-	2208
6	29	20	-	3	3	3	0.00	-	-	-	-	2102
6	29	21	-	3	3	3	0.00	-	-	-	-	2042
6	29	22	-	3	3	3	0.00	-	-	-	-	1933
6	29	23	-	3	3	3	0.00	-	-	-	-	1732
6	29	24	-	3	3	3	0.00	-	-	-	-	1879
6	30	1	-	3	3	3	0.00	-	-	-	-	1307
6	30	2	-	3	3	3	0.00	-	-	-	-	1204
6	30	3	-	3	3	3	0.00	-	-	-	-	1133
6	30	4	-	3	3	3	0.00	-	-	-	-	1092
6	30	5	-	3	3	3	0.00	-	-	-	-	1085
6	30	6	-	3	3	3	0.00	-	-	-	-	1121
6	30	7	-	3	3	3	0.00	-	-	-	-	1199
6	30	8	-	3	3	3	0.00	-	-	-	-	1305
6	30	9	-	3	3	3	0.00	-	-	-	-	1417
6	30	10	-	3	3	3	0.00	-	-	-	-	1530
6	30	11	-	3	3	3	0.00	-	-	-	-	1646
6	30	12	-	3	3	3	0.00	-	-	-	-	1748

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
6	30	13	-	3	3	3	0.00	-	-	-	-	1837
6	30	14	-	3	3	3	0.00	-	-	-	-	1928
6	30	15	-	3	3	3	0.00	-	-	-	-	1995
6	30	16	-	3	3	3	0.00	-	-	-	-	2032
6	30	17	-	3	3	3	0.00	-	-	-	-	2035
6	30	18	-	3	3	3	0.00	-	-	-	-	2010
6	30	19	-	3	3	3	0.00	-	-	-	-	1940
6	30	20	-	3	3	3	0.00	-	-	-	-	1845
6	30	21	-	3	3	3	0.00	-	-	-	-	1791
6	30	22	-	3	3	3	0.00	-	-	-	-	1698
6	30	23	-	3	3	3	0.00	-	-	-	-	1536
6	30	24	-	3	3	3	0.00	-	-	-	-	1651
7	1	1	-	5	5	5	0.00	-	-	-	-	1311
7	1	2	-	5	5	5	0.00	-	-	-	-	1218
7	1	3	-	5	5	5	0.00	-	-	-	-	1156
7	1	4	-	5	5	5	0.00	-	-	-	-	1118
7	1	5	-	5	5	5	0.00	-	-	-	-	1119
7	1	6	-	5	5	5	0.00	-	-	-	-	1164
7	1	7	-	5	5	5	0.00	-	-	-	-	1233

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	1	8	-	5	5	5	0.00	-	-	-	-	1332
7	1	9	-	5	5	5	0.00	-	-	-	-	1440
7	1	10	-	5	5	5	0.00	-	-	-	-	1565
7	1	11	-	5	5	5	0.00	-	-	-	-	1687
7	1	12	-	5	5	5	0.00	-	-	-	-	1785
7	1	13	-	5	5	5	0.00	-	-	-	-	1856
7	1	14	-	5	5	5	0.00	-	-	-	-	1932
7	1	15	-	5	5	5	0.00	-	-	-	-	1992
7	1	16	-	5	5	5	0.00	-	-	-	-	2044
7	1	17	-	5	5	5	0.00	-	-	-	-	2064
7	1	18	-	5	5	5	0.00	-	-	-	-	2039
7	1	19	-	5	5	5	0.00	-	-	-	-	1953
7	1	20	-	5	5	5	0.00	-	-	-	-	1840
7	1	21	-	5	5	5	0.00	-	-	-	-	1790
7	1	22	-	5	5	5	0.00	-	-	-	-	1706
7	1	23	-	5	5	5	0.00	-	-	-	-	1565
7	1	24	-	5	5	5	0.00	-	-	-	-	1689
7	2	1	-	5	5	5	0.00	-	-	-	-	1296
7	2	2	-	5	5	5	0.00	-	-	-	-	1207

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	2	3	-	5	5	5	0.00	-	-	-	-	1144
7	2	4	-	5	5	5	0.00	-	-	-	-	1105
7	2	5	-	5	5	5	0.00	-	-	-	-	1085
7	2	6	-	5	5	5	0.00	-	-	-	-	1084
7	2	7	-	5	5	5	0.00	-	-	-	-	1091
7	2	8	-	5	5	5	0.00	-	-	-	-	1140
7	2	9	-	5	5	5	0.00	-	-	-	-	1230
7	2	10	-	5	5	5	0.00	-	-	-	-	1330
7	2	11	-	5	5	5	0.00	-	-	-	-	1428
7	2	12	-	5	5	5	0.00	-	-	-	-	1520
7	2	13	-	5	5	5	0.00	-	-	-	-	1600
7	2	14	-	5	5	5	0.00	-	-	-	-	1667
7	2	15	-	5	5	5	0.00	-	-	-	-	1721
7	2	16	-	5	5	5	0.00	-	-	-	-	1764
7	2	17	-	5	5	5	0.00	-	-	-	-	1784
7	2	18	-	5	5	5	0.00	-	-	-	-	1776
7	2	19	-	5	5	5	0.00	-	-	-	-	1728
7	2	20	-	5	5	5	0.00	-	-	-	-	1655
7	2	21	-	5	5	5	0.00	-	-	-	-	1630

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	2	22	-	5	5	5	0.00	-	-	-	-	1577
7	2	23	-	5	5	5	0.00	-	-	-	-	1464
7	2	24	-	5	5	5	0.00	-	-	-	-	1503
7	3	1	-	5	5	5	0.00	-	-	-	-	1218
7	3	2	-	5	5	5	0.00	-	-	-	-	1134
7	3	3	-	5	5	5	0.00	-	-	-	-	1076
7	3	4	-	5	5	5	0.00	-	-	-	-	1040
7	3	5	-	5	5	5	0.00	-	-	-	-	1023
7	3	6	-	5	5	5	0.00	-	-	-	-	1022
7	3	7	-	5	5	5	0.00	-	-	-	-	1022
7	3	8	-	5	5	5	0.00	-	-	-	-	1060
7	3	9	-	5	5	5	0.00	-	-	-	-	1124
7	3	10	-	5	5	5	0.00	-	-	-	-	1200
7	3	11	-	5	5	5	0.00	-	-	-	-	1282
7	3	12	-	5	5	5	0.00	-	-	-	-	1353
7	3	13	-	5	5	5	0.00	-	-	-	-	1415
7	3	14	-	5	5	5	0.00	-	-	-	-	1473
7	3	15	-	5	5	5	0.00	-	-	-	-	1525
7	3	16	-	5	5	5	0.00	-	-	-	-	1569

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	3	17	-	5	5	5	0.00	-	-	-	-	1597
7	3	18	-	5	5	5	0.00	-	-	-	-	1605
7	3	19	-	5	5	5	0.00	-	-	-	-	1584
7	3	20	-	5	5	5	0.00	-	-	-	-	1532
7	3	21	-	5	5	5	0.00	-	-	-	-	1533
7	3	22	-	5	5	5	0.00	-	-	-	-	1495
7	3	23	-	5	5	5	0.00	-	-	-	-	1397
7	3	24	-	5	5	5	0.00	-	-	-	-	1365
7	4	1	-	5	5	5	0.00	-	-	-	-	1175
7	4	2	-	5	5	5	0.00	-	-	-	-	1098
7	4	3	-	5	5	5	0.00	-	-	-	-	1046
7	4	4	-	5	5	5	0.00	-	-	-	-	1017
7	4	5	-	5	5	5	0.00	-	-	-	-	1004
7	4	6	-	5	5	5	0.00	-	-	-	-	1016
7	4	7	-	5	5	5	0.00	-	-	-	-	1031
7	4	8	-	5	5	5	0.00	-	-	-	-	1072
7	4	9	-	5	5	5	0.00	-	-	-	-	1141
7	4	10	-	5	5	5	0.00	-	-	-	-	1219
7	4	11	-	5	5	5	0.00	-	-	-	-	1298

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	4	12	-	5	5	5	0.00	-	-	-	-	1371
7	4	13	-	5	5	5	0.00	-	-	-	-	1433
7	4	14	-	5	5	5	0.00	-	-	-	-	1484
7	4	15	-	5	5	5	0.00	-	-	-	-	1525
7	4	16	-	5	5	5	0.00	-	-	-	-	1563
7	4	17	-	5	5	5	0.00	-	-	-	-	1586
7	4	18	-	5	5	5	0.00	-	-	-	-	1590
7	4	19	-	5	5	5	0.00	-	-	-	-	1558
7	4	20	-	5	5	5	0.00	-	-	-	-	1503
7	4	21	-	5	5	5	0.00	-	-	-	-	1498
7	4	22	-	5	5	5	0.00	-	-	-	-	1445
7	4	23	-	5	5	5	0.00	-	-	-	-	1388
7	4	24	-	5	5	5	0.00	-	-	-	-	1380
7	5	1	-	5	5	5	0.00	-	-	-	-	1169
7	5	2	-	5	5	5	0.00	-	-	-	-	1093
7	5	3	-	5	5	5	0.00	-	-	-	-	1046
7	5	4	-	5	5	5	0.00	-	-	-	-	1029
7	5	5	-	5	5	5	0.00	-	-	-	-	1041
7	5	6	-	5	5	5	0.00	-	-	-	-	1102

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	5	7	-	5	5	5	0.00	-	-	-	-	1179
7	5	8	-	5	5	5	0.00	-	-	-	-	1280
7	5	9	-	5	5	5	0.00	-	-	-	-	1369
7	5	10	-	5	5	5	0.00	-	-	-	-	1460
7	5	11	-	5	5	5	0.00	-	-	-	-	1540
7	5	12	-	5	5	5	0.00	-	-	-	-	1604
7	5	13	-	5	5	5	0.00	-	-	-	-	1650
7	5	14	-	5	5	5	0.00	-	-	-	-	1708
7	5	15	-	5	5	5	0.00	-	-	-	-	1767
7	5	16	-	5	5	5	0.00	-	-	-	-	1807
7	5	17	-	5	5	5	0.00	-	-	-	-	1813
7	5	18	-	5	5	5	0.00	-	-	-	-	1789
7	5	19	-	5	5	5	0.00	-	-	-	-	1736
7	5	20	-	5	5	5	0.00	-	-	-	-	1684
7	5	21	-	5	5	5	0.00	-	-	-	-	1687
7	5	22	-	5	5	5	0.00	-	-	-	-	1624
7	5	23	-	5	5	5	0.00	-	-	-	-	1487
7	5	24	-	5	5	5	0.00	-	-	-	-	1525
7	6	1	-	5	5	5	0.00	-	-	-	-	1222

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	6	2	-	5	5	5	0.00	-	-	-	-	1150
7	6	3	-	5	5	5	0.00	-	-	-	-	1099
7	6	4	-	5	5	5	0.00	-	-	-	-	1070
7	6	5	-	5	5	5	0.00	-	-	-	-	1078
7	6	6	-	5	5	5	0.00	-	-	-	-	1131
7	6	7	-	5	5	5	0.00	-	-	-	-	1215
7	6	8	-	5	5	5	0.00	-	-	-	-	1314
7	6	9	-	5	5	5	0.00	-	-	-	-	1395
7	6	10	-	5	5	5	0.00	-	-	-	-	1465
7	6	11	-	5	5	5	0.00	-	-	-	-	1533
7	6	12	-	5	5	5	0.00	-	-	-	-	1593
7	6	13	-	5	5	5	0.00	-	-	-	-	1637
7	6	14	-	5	5	5	0.00	-	-	-	-	1696
7	6	15	-	5	5	5	0.00	-	-	-	-	1754
7	6	16	-	5	5	5	0.00	-	-	-	-	1796
7	6	17	-	5	5	5	0.00	-	-	-	-	1814
7	6	18	-	5	5	5	0.00	-	-	-	-	1803
7	6	19	-	5	5	5	0.00	-	-	-	-	1755
7	6	20	-	5	5	5	0.00	-	-	-	-	1702

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	6	21	-	5	5	5	0.00	-	-	-	-	1707
7	6	22	-	5	5	5	0.00	-	-	-	-	1647
7	6	23	-	5	5	5	0.00	-	-	-	-	1506
7	6	24	-	5	5	5	0.00	-	-	-	-	1524
7	7	1	-	5	5	5	0.00	-	-	-	-	1233
7	7	2	-	5	5	5	0.00	-	-	-	-	1155
7	7	3	-	5	5	5	0.00	-	-	-	-	1108
7	7	4	-	5	5	5	0.00	-	-	-	-	1083
7	7	5	-	5	5	5	0.00	-	-	-	-	1095
7	7	6	-	5	5	5	0.00	-	-	-	-	1145
7	7	7	-	5	5	5	0.00	-	-	-	-	1227
7	7	8	-	5	5	5	0.00	-	-	-	-	1320
7	7	9	-	5	5	5	0.00	-	-	-	-	1404
7	7	10	-	5	5	5	0.00	-	-	-	-	1479
7	7	11	-	5	5	5	0.00	-	-	-	-	1558
7	7	12	-	5	5	5	0.00	-	-	-	-	1628
7	7	13	-	5	5	5	0.00	-	-	-	-	1689
7	7	14	-	5	5	5	0.00	-	-	-	-	1759
7	7	15	-	5	5	5	0.00	-	-	-	-	1821

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	7	16	-	5	5	5	0.00	-	-	-	-	1868
7	7	17	-	5	5	5	0.00	-	-	-	-	1892
7	7	18	-	5	5	5	0.00	-	-	-	-	1877
7	7	19	-	5	5	5	0.00	-	-	-	-	1829
7	7	20	-	5	5	5	0.00	-	-	-	-	1768
7	7	21	-	5	5	5	0.00	-	-	-	-	1759
7	7	22	-	5	5	5	0.00	-	-	-	-	1692
7	7	23	-	5	5	5	0.00	-	-	-	-	1543
7	7	24	-	5	5	5	0.00	-	-	-	-	1569
7	8	1	-	5	5	5	0.00	-	-	-	-	1258
7	8	2	-	5	5	5	0.00	-	-	-	-	1178
7	8	3	-	5	5	5	0.00	-	-	-	-	1122
7	8	4	-	5	5	5	0.00	-	-	-	-	1091
7	8	5	-	5	5	5	0.00	-	-	-	-	1095
7	8	6	-	5	5	5	0.00	-	-	-	-	1141
7	8	7	-	5	5	5	0.00	-	-	-	-	1217
7	8	8	-	5	5	5	0.00	-	-	-	-	1311
7	8	9	-	5	5	5	0.00	-	-	-	-	1402
7	8	10	-	5	5	5	0.00	-	-	-	-	1492

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	8	11	-	5	5	5	0.00	-	-	-	-	1591
7	8	12	-	5	5	5	0.00	-	-	-	-	1668
7	8	13	-	5	5	5	0.00	-	-	-	-	1737
7	8	14	-	5	5	5	0.00	-	-	-	-	1814
7	8	15	-	5	5	5	0.00	-	-	-	-	1880
7	8	16	-	5	5	5	0.00	-	-	-	-	1935
7	8	17	-	5	5	5	0.00	-	-	-	-	1959
7	8	18	-	5	5	5	0.00	-	-	-	-	1941
7	8	19	-	5	5	5	0.00	-	-	-	-	1879
7	8	20	-	5	5	5	0.00	-	-	-	-	1793
7	8	21	-	5	5	5	0.00	-	-	-	-	1770
7	8	22	-	5	5	5	0.00	-	-	-	-	1700
7	8	23	-	5	5	5	0.00	-	-	-	-	1564
7	8	24	-	5	5	5	0.00	-	-	-	-	1612
7	9	1	-	5	5	5	0.00	-	-	-	-	1285
7	9	2	-	5	5	5	0.00	-	-	-	-	1194
7	9	3	-	5	5	5	0.00	-	-	-	-	1127
7	9	4	-	5	5	5	0.00	-	-	-	-	1086
7	9	5	-	5	5	5	0.00	-	-	-	-	1070

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	9	6	-	5	5	5	0.00	-	-	-	-	1074
7	9	7	-	5	5	5	0.00	-	-	-	-	1096
7	9	8	-	5	5	5	0.00	-	-	-	-	1161
7	9	9	-	5	5	5	0.00	-	-	-	-	1251
7	9	10	-	5	5	5	0.00	-	-	-	-	1362
7	9	11	-	5	5	5	0.00	-	-	-	-	1472
7	9	12	-	5	5	5	0.00	-	-	-	-	1568
7	9	13	-	5	5	5	0.00	-	-	-	-	1646
7	9	14	-	5	5	5	0.00	-	-	-	-	1710
7	9	15	-	5	5	5	0.00	-	-	-	-	1781
7	9	16	-	5	5	5	0.00	-	-	-	-	1852
7	9	17	-	5	5	5	0.00	-	-	-	-	1903
7	9	18	-	5	5	5	0.00	-	-	-	-	1915
7	9	19	-	5	5	5	0.00	-	-	-	-	1869
7	9	20	-	5	5	5	0.00	-	-	-	-	1786
7	9	21	-	5	5	5	0.00	-	-	-	-	1749
7	9	22	-	5	5	5	0.00	-	-	-	-	1688
7	9	23	-	5	5	5	0.00	-	-	-	-	1568
7	9	24	-	5	5	5	0.00	-	-	-	-	1565

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	10	1	-	5	5	5	0.00	-	-	-	-	1296
7	10	2	-	5	5	5	0.00	-	-	-	-	1197
7	10	3	-	5	5	5	0.00	-	-	-	-	1128
7	10	4	-	5	5	5	0.00	-	-	-	-	1085
7	10	5	-	5	5	5	0.00	-	-	-	-	1061
7	10	6	-	5	5	5	0.00	-	-	-	-	1051
7	10	7	-	5	5	5	0.00	-	-	-	-	1050
7	10	8	-	5	5	5	0.00	-	-	-	-	1092
7	10	9	-	5	5	5	0.00	-	-	-	-	1172
7	10	10	-	5	5	5	0.00	-	-	-	-	1278
7	10	11	-	5	5	5	0.00	-	-	-	-	1391
7	10	12	-	5	5	5	0.00	-	-	-	-	1492
7	10	13	-	5	5	5	0.00	-	-	-	-	1584
7	10	14	-	5	5	5	0.00	-	-	-	-	1676
7	10	15	-	5	5	5	0.00	-	-	-	-	1759
7	10	16	-	5	5	5	0.00	-	-	-	-	1824
7	10	17	-	5	5	5	0.00	-	-	-	-	1859
7	10	18	-	5	5	5	0.00	-	-	-	-	1862
7	10	19	-	5	5	5	0.00	-	-	-	-	1825

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	10	20	-	5	5	5	0.00	-	-	-	-	1757
7	10	21	-	5	5	5	0.00	-	-	-	-	1742
7	10	22	-	5	5	5	0.00	-	-	-	-	1684
7	10	23	-	5	5	5	0.00	-	-	-	-	1539
7	10	24	-	5	5	5	0.00	-	-	-	-	1510
7	11	1	-	5	5	5	0.00	-	-	-	-	1246
7	11	2	-	5	5	5	0.00	-	-	-	-	1155
7	11	3	-	5	5	5	0.00	-	-	-	-	1099
7	11	4	-	5	5	5	0.00	-	-	-	-	1073
7	11	5	-	5	5	5	0.00	-	-	-	-	1079
7	11	6	-	5	5	5	0.00	-	-	-	-	1130
7	11	7	-	5	5	5	0.00	-	-	-	-	1206
7	11	8	-	5	5	5	0.00	-	-	-	-	1318
7	11	9	-	5	5	5	0.00	-	-	-	-	1426
7	11	10	-	5	5	5	0.00	-	-	-	-	1528
7	11	11	-	5	5	5	0.00	-	-	-	-	1635
7	11	12	-	5	5	5	0.00	-	-	-	-	1720
7	11	13	-	5	5	5	0.00	-	-	-	-	1784
7	11	14	-	5	5	5	0.00	-	-	-	-	1862

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	11	15	-	5	5	5	0.00	-	-	-	-	1936
7	11	16	-	5	5	5	0.00	-	-	-	-	2001
7	11	17	-	5	5	5	0.00	-	-	-	-	2036
7	11	18	-	5	5	5	0.00	-	-	-	-	2024
7	11	19	-	5	5	5	0.00	-	-	-	-	1969
7	11	20	-	5	5	5	0.00	-	-	-	-	1878
7	11	21	-	5	5	5	0.00	-	-	-	-	1851
7	11	22	-	5	5	5	0.00	-	-	-	-	1768
7	11	23	-	5	5	5	0.00	-	-	-	-	1598
7	11	24	-	5	5	5	0.00	-	-	-	-	1651
7	12	1	-	5	5	5	0.00	-	-	-	-	1289
7	12	2	-	5	5	5	0.00	-	-	-	-	1202
7	12	3	-	5	5	5	0.00	-	-	-	-	1144
7	12	4	-	5	5	5	0.00	-	-	-	-	1113
7	12	5	-	5	5	5	0.00	-	-	-	-	1113
7	12	6	-	5	5	5	0.00	-	-	-	-	1163
7	12	7	-	5	5	5	0.00	-	-	-	-	1247
7	12	8	-	5	5	5	0.00	-	-	-	-	1343
7	12	9	-	5	5	5	0.00	-	-	-	-	1430

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	12	10	-	5	5	5	0.00	-	-	-	-	1524
7	12	11	-	5	5	5	0.00	-	-	-	-	1621
7	12	12	-	5	5	5	0.00	-	-	-	-	1695
7	12	13	-	5	5	5	0.00	-	-	-	-	1757
7	12	14	-	5	5	5	0.00	-	-	-	-	1833
7	12	15	-	5	5	5	0.00	-	-	-	-	1910
7	12	16	-	5	5	5	0.00	-	-	-	-	1965
7	12	17	-	5	5	5	0.00	-	-	-	-	1985
7	12	18	-	5	5	5	0.00	-	-	-	-	1971
7	12	19	-	5	5	5	0.00	-	-	-	-	1911
7	12	20	-	5	5	5	0.00	-	-	-	-	1829
7	12	21	-	5	5	5	0.00	-	-	-	-	1809
7	12	22	-	5	5	5	0.00	-	-	-	-	1734
7	12	23	-	5	5	5	0.00	-	-	-	-	1571
7	12	24	-	5	5	5	0.00	-	-	-	-	1620
7	13	1	-	5	5	5	0.00	-	-	-	-	1274
7	13	2	-	5	5	5	0.00	-	-	-	-	1184
7	13	3	-	5	5	5	0.00	-	-	-	-	1123
7	13	4	-	5	5	5	0.00	-	-	-	-	1095

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	13	5	-	5	5	5	0.00	-	-	-	-	1096
7	13	6	-	5	5	5	0.00	-	-	-	-	1145
7	13	7	-	5	5	5	0.00	-	-	-	-	1226
7	13	8	-	5	5	5	0.00	-	-	-	-	1325
7	13	9	-	5	5	5	0.00	-	-	-	-	1423
7	13	10	-	5	5	5	0.00	-	-	-	-	1531
7	13	11	-	5	5	5	0.00	-	-	-	-	1640
7	13	12	-	5	5	5	0.00	-	-	-	-	1734
7	13	13	-	5	5	5	0.00	-	-	-	-	1820
7	13	14	-	5	5	5	0.00	-	-	-	-	1926
7	13	15	-	5	5	5	0.00	-	-	-	-	2025
7	13	16	-	5	5	5	0.00	-	-	-	-	2092
7	13	17	-	5	5	5	0.00	-	-	-	-	2121
7	13	18	-	5	5	5	0.00	-	-	-	-	2103
7	13	19	-	5	5	5	0.00	-	-	-	-	2035
7	13	20	-	5	5	5	0.00	-	-	-	-	1939
7	13	21	-	5	5	5	0.00	-	-	-	-	1894
7	13	22	-	5	5	5	0.00	-	-	-	-	1801
7	13	23	-	5	5	5	0.00	-	-	-	-	1625

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	13	24	-	5	5	5	0.00	-	-	-	-	1675
7	14	1	-	5	5	5	0.00	-	-	-	-	1304
7	14	2	-	5	5	5	0.00	-	-	-	-	1209
7	14	3	-	5	5	5	0.00	-	-	-	-	1146
7	14	4	-	5	5	5	0.00	-	-	-	-	1112
7	14	5	-	5	5	5	0.00	-	-	-	-	1111
7	14	6	-	5	5	5	0.00	-	-	-	-	1155
7	14	7	-	5	5	5	0.00	-	-	-	-	1240
7	14	8	-	5	5	5	0.00	-	-	-	-	1336
7	14	9	-	5	5	5	0.00	-	-	-	-	1435
7	14	10	-	5	5	5	0.00	-	-	-	-	1543
7	14	11	-	5	5	5	0.00	-	-	-	-	1663
7	14	12	-	5	5	5	0.00	-	-	-	-	1769
7	14	13	-	5	5	5	0.00	-	-	-	-	1854
7	14	14	-	5	5	5	0.00	-	-	-	-	1952
7	14	15	-	5	5	5	0.00	-	-	-	-	2045
7	14	16	-	5	5	5	0.00	-	-	-	-	2107
7	14	17	-	5	5	5	0.00	-	-	-	-	2133
7	14	18	-	5	5	5	0.00	-	-	-	-	2128

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	14	19	-	5	5	5	0.00	-	-	-	-	2070
7	14	20	-	5	5	5	0.00	-	-	-	-	1984
7	14	21	-	5	5	5	0.00	-	-	-	-	1931
7	14	22	-	5	5	5	0.00	-	-	-	-	1834
7	14	23	-	5	5	5	0.00	-	-	-	-	1656
7	14	24	-	5	5	5	0.00	-	-	-	-	1709
7	15	1	-	5	5	5	0.00	-	-	-	-	1327
7	15	2	-	5	5	5	0.00	-	-	-	-	1227
7	15	3	-	5	5	5	0.00	-	-	-	-	1163
7	15	4	-	5	5	5	0.00	-	-	-	-	1123
7	15	5	-	5	5	5	0.00	-	-	-	-	1116
7	15	6	-	5	5	5	0.00	-	-	-	-	1159
7	15	7	-	5	5	5	0.00	-	-	-	-	1240
7	15	8	-	5	5	5	0.00	-	-	-	-	1337
7	15	9	-	5	5	5	0.00	-	-	-	-	1430
7	15	10	-	5	5	5	0.00	-	-	-	-	1515
7	15	11	-	5	5	5	0.00	-	-	-	-	1621
7	15	12	-	5	5	5	0.00	-	-	-	-	1715
7	15	13	-	5	5	5	0.00	-	-	-	-	1792

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	15	14	-	5	5	5	0.00	-	-	-	-	1877
7	15	15	-	5	5	5	0.00	-	-	-	-	1958
7	15	16	-	5	5	5	0.00	-	-	-	-	2026
7	15	17	-	5	5	5	0.00	-	-	-	-	2064
7	15	18	-	5	5	5	0.00	-	-	-	-	2053
7	15	19	-	5	5	5	0.00	-	-	-	-	1991
7	15	20	-	5	5	5	0.00	-	-	-	-	1888
7	15	21	-	5	5	5	0.00	-	-	-	-	1835
7	15	22	-	5	5	5	0.00	-	-	-	-	1741
7	15	23	-	5	5	5	0.00	-	-	-	-	1589
7	15	24	-	5	5	5	0.00	-	-	-	-	1660
7	16	1	-	5	5	5	0.00	-	-	-	-	1296
7	16	2	-	5	5	5	0.00	-	-	-	-	1199
7	16	3	-	5	5	5	0.00	-	-	-	-	1133
7	16	4	-	5	5	5	0.00	-	-	-	-	1096
7	16	5	-	5	5	5	0.00	-	-	-	-	1079
7	16	6	-	5	5	5	0.00	-	-	-	-	1085
7	16	7	-	5	5	5	0.00	-	-	-	-	1099
7	16	8	-	5	5	5	0.00	-	-	-	-	1151

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	16	9	-	5	5	5	0.00	-	-	-	-	1236
7	16	10	-	5	5	5	0.00	-	-	-	-	1340
7	16	11	-	5	5	5	0.00	-	-	-	-	1438
7	16	12	-	5	5	5	0.00	-	-	-	-	1518
7	16	13	-	5	5	5	0.00	-	-	-	-	1597
7	16	14	-	5	5	5	0.00	-	-	-	-	1669
7	16	15	-	5	5	5	0.00	-	-	-	-	1745
7	16	16	-	5	5	5	0.00	-	-	-	-	1814
7	16	17	-	5	5	5	0.00	-	-	-	-	1858
7	16	18	-	5	5	5	0.00	-	-	-	-	1859
7	16	19	-	5	5	5	0.00	-	-	-	-	1804
7	16	20	-	5	5	5	0.00	-	-	-	-	1718
7	16	21	-	5	5	5	0.00	-	-	-	-	1690
7	16	22	-	5	5	5	0.00	-	-	-	-	1622
7	16	23	-	5	5	5	0.00	-	-	-	-	1497
7	16	24	-	5	5	5	0.00	-	-	-	-	1507
7	17	1	-	5	5	5	0.00	-	-	-	-	1244
7	17	2	-	5	5	5	0.00	-	-	-	-	1158
7	17	3	-	5	5	5	0.00	-	-	-	-	1095

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	17	4	-	5	5	5	0.00	-	-	-	-	1056
7	17	5	-	5	5	5	0.00	-	-	-	-	1034
7	17	6	-	5	5	5	0.00	-	-	-	-	1028
7	17	7	-	5	5	5	0.00	-	-	-	-	1026
7	17	8	-	5	5	5	0.00	-	-	-	-	1061
7	17	9	-	5	5	5	0.00	-	-	-	-	1133
7	17	10	-	5	5	5	0.00	-	-	-	-	1214
7	17	11	-	5	5	5	0.00	-	-	-	-	1314
7	17	12	-	5	5	5	0.00	-	-	-	-	1402
7	17	13	-	5	5	5	0.00	-	-	-	-	1486
7	17	14	-	5	5	5	0.00	-	-	-	-	1573
7	17	15	-	5	5	5	0.00	-	-	-	-	1659
7	17	16	-	5	5	5	0.00	-	-	-	-	1729
7	17	17	-	5	5	5	0.00	-	-	-	-	1780
7	17	18	-	5	5	5	0.00	-	-	-	-	1793
7	17	19	-	5	5	5	0.00	-	-	-	-	1767
7	17	20	-	5	5	5	0.00	-	-	-	-	1703
7	17	21	-	5	5	5	0.00	-	-	-	-	1694
7	17	22	-	5	5	5	0.00	-	-	-	-	1631

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	17	23	-	5	5	5	0.00	-	-	-	-	1488
7	17	24	-	5	5	5	0.00	-	-	-	-	1432
7	18	1	-	5	5	5	0.00	-	-	-	-	1214
7	18	2	-	5	5	5	0.00	-	-	-	-	1132
7	18	3	-	5	5	5	0.00	-	-	-	-	1082
7	18	4	-	5	5	5	0.00	-	-	-	-	1064
7	18	5	-	5	5	5	0.00	-	-	-	-	1072
7	18	6	-	5	5	5	0.00	-	-	-	-	1126
7	18	7	-	5	5	5	0.00	-	-	-	-	1203
7	18	8	-	5	5	5	0.00	-	-	-	-	1304
7	18	9	-	5	5	5	0.00	-	-	-	-	1410
7	18	10	-	5	5	5	0.00	-	-	-	-	1520
7	18	11	-	5	5	5	0.00	-	-	-	-	1624
7	18	12	-	5	5	5	0.00	-	-	-	-	1718
7	18	13	-	5	5	5	0.00	-	-	-	-	1799
7	18	14	-	5	5	5	0.00	-	-	-	-	1887
7	18	15	-	5	5	5	0.00	-	-	-	-	1976
7	18	16	-	5	5	5	0.00	-	-	-	-	2052
7	18	17	-	5	5	5	0.00	-	-	-	-	2095

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	18	18	-	5	5	5	0.00	-	-	-	-	2091
7	18	19	-	5	5	5	0.00	-	-	-	-	2034
7	18	20	-	5	5	5	0.00	-	-	-	-	1940
7	18	21	-	5	5	5	0.00	-	-	-	-	1897
7	18	22	-	5	5	5	0.00	-	-	-	-	1798
7	18	23	-	5	5	5	0.00	-	-	-	-	1618
7	18	24	-	5	5	5	0.00	-	-	-	-	1659
7	19	1	-	5	5	5	0.00	-	-	-	-	1299
7	19	2	-	5	5	5	0.00	-	-	-	-	1205
7	19	3	-	5	5	5	0.00	-	-	-	-	1144
7	19	4	-	5	5	5	0.00	-	-	-	-	1108
7	19	5	-	5	5	5	0.00	-	-	-	-	1107
7	19	6	-	5	5	5	0.00	-	-	-	-	1157
7	19	7	-	5	5	5	0.00	-	-	-	-	1230
7	19	8	-	5	5	5	0.00	-	-	-	-	1338
7	19	9	-	5	5	5	0.00	-	-	-	-	1453
7	19	10	-	5	5	5	0.00	-	-	-	-	1567
7	19	11	-	5	5	5	0.00	-	-	-	-	1686
7	19	12	-	5	5	5	0.00	-	-	-	-	1796

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	19	13	-	5	5	5	0.00	-	-	-	-	1888
7	19	14	-	5	5	5	0.00	-	-	-	-	1993
7	19	15	-	5	5	5	0.00	-	-	-	-	2085
7	19	16	-	5	5	5	0.00	-	-	-	-	2155
7	19	17	-	5	5	5	0.00	-	-	-	-	2199
7	19	18	-	5	5	5	0.00	-	-	-	-	2189
7	19	19	-	5	5	5	0.00	-	-	-	-	2132
7	19	20	-	5	5	5	0.00	-	-	-	-	2032
7	19	21	-	5	5	5	0.00	-	-	-	-	1980
7	19	22	-	5	5	5	0.00	-	-	-	-	1873
7	19	23	-	5	5	5	0.00	-	-	-	-	1687
7	19	24	-	5	5	5	0.00	-	-	-	-	1736
7	20	1	-	5	5	5	0.00	-	-	-	-	1348
7	20	2	-	5	5	5	0.00	-	-	-	-	1244
7	20	3	-	5	5	5	0.00	-	-	-	-	1176
7	20	4	-	5	5	5	0.00	-	-	-	-	1142
7	20	5	-	5	5	5	0.00	-	-	-	-	1140
7	20	6	-	5	5	5	0.00	-	-	-	-	1183
7	20	7	-	5	5	5	0.00	-	-	-	-	1258

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	20	8	-	5	5	5	0.00	-	-	-	-	1374
7	20	9	-	5	5	5	0.00	-	-	-	-	1497
7	20	10	-	5	5	5	0.00	-	-	-	-	1630
7	20	11	-	5	5	5	0.00	-	-	-	-	1784
7	20	12	-	5	5	5	0.00	-	-	-	-	1922
7	20	13	-	5	5	5	0.00	-	-	-	-	2050
7	20	14	-	5	5	5	0.00	-	-	-	-	2184
7	20	15	-	5	5	5	0.00	-	-	-	-	2294
7	20	16	-	5	5	5	0.00	-	-	-	-	2364
7	20	17	-	5	5	5	0.00	-	-	-	-	2395
7	20	18	-	5	5	5	0.00	-	-	-	-	2383
7	20	19	-	5	5	5	0.00	-	-	-	-	2319
7	20	20	-	5	5	5	0.00	-	-	-	-	2201
7	20	21	-	5	5	5	0.00	-	-	-	-	2129
7	20	22	-	5	5	5	0.00	-	-	-	-	2007
7	20	23	-	5	5	5	0.00	-	-	-	-	1801
7	20	24	-	5	5	5	0.00	-	-	-	-	1877
7	21	1	-	5	5	5	0.00	-	-	-	-	1424
7	21	2	-	5	5	5	0.00	-	-	-	-	1311

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	21	3	-	5	5	5	0.00	-	-	-	-	1235
7	21	4	-	5	5	5	0.00	-	-	-	-	1190
7	21	5	-	5	5	5	0.00	-	-	-	-	1180
7	21	6	-	5	5	5	0.00	-	-	-	-	1220
7	21	7	-	5	5	5	0.00	-	-	-	-	1290
7	21	8	-	5	5	5	0.00	-	-	-	-	1411
7	21	9	-	5	5	5	0.00	-	-	-	-	1546
7	21	10	-	5	5	5	0.00	-	-	-	-	1700
7	21	11	-	5	5	5	0.00	-	-	-	-	1867
7	21	12	-	5	5	5	0.00	-	-	-	-	2037
7	21	13	-	5	5	5	0.00	-	-	-	-	2184
7	21	14	-	5	5	5	0.00	-	-	-	-	2329
7	21	15	-	5	5	5	0.00	-	-	-	-	2446
7	21	16	-	5	5	5	0.00	-	-	-	-	2515
7	21	17	-	5	5	5	0.00	-	-	-	-	2513
7	21	18	-	5	5	5	0.00	-	-	-	-	2490
7	21	19	-	5	5	5	0.00	-	-	-	-	2408
7	21	20	-	5	5	5	0.00	-	-	-	-	2293
7	21	21	-	5	5	5	0.00	-	-	-	-	2254

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	21	22	-	5	5	5	0.00	-	-	-	-	2132
7	21	23	-	5	5	5	0.00	-	-	-	-	1906
7	21	24	-	5	5	5	0.00	-	-	-	-	1996
7	22	1	-	5	5	5	0.00	-	-	-	-	1499
7	22	2	-	5	5	5	0.00	-	-	-	-	1375
7	22	3	-	5	5	5	0.00	-	-	-	-	1290
7	22	4	-	5	5	5	0.00	-	-	-	-	1236
7	22	5	-	5	5	5	0.00	-	-	-	-	1222
7	22	6	-	5	5	5	0.00	-	-	-	-	1252
7	22	7	-	5	5	5	0.00	-	-	-	-	1322
7	22	8	-	5	5	5	0.00	-	-	-	-	1450
7	22	9	-	5	5	5	0.00	-	-	-	-	1603
7	22	10	-	5	5	5	0.00	-	-	-	-	1780
7	22	11	-	5	5	5	0.00	-	-	-	-	1978
7	22	12	-	5	5	5	0.00	-	-	-	-	2170
7	22	13	-	5	5	5	0.00	-	-	-	-	2329
7	22	14	-	5	5	5	0.00	-	-	-	-	2480
7	22	15	-	5	5	5	0.00	-	-	-	-	2587
7	22	16	-	5	5	5	0.00	-	-	-	-	2663

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	22	17	-	5	5	5	0.00	-	-	-	-	2659
7	22	18	-	5	5	5	0.00	-	-	-	-	2642
7	22	19	-	5	5	5	0.00	-	-	-	-	2567
7	22	20	-	5	5	5	0.00	-	-	-	-	2453
7	22	21	-	5	5	5	0.00	-	-	-	-	2402
7	22	22	-	5	5	5	0.00	-	-	-	-	2270
7	22	23	-	5	5	5	0.00	-	-	-	-	2053
7	22	24	-	5	5	5	0.00	-	-	-	-	2145
7	23	1	-	5	5	5	0.00	-	-	-	-	1629
7	23	2	-	5	5	5	0.00	-	-	-	-	1482
7	23	3	-	5	5	5	0.00	-	-	-	-	1373
7	23	4	-	5	5	5	0.00	-	-	-	-	1298
7	23	5	-	5	5	5	0.00	-	-	-	-	1250
7	23	6	-	5	5	5	0.00	-	-	-	-	1238
7	23	7	-	5	5	5	0.00	-	-	-	-	1244
7	23	8	-	5	5	5	0.00	-	-	-	-	1321
7	23	9	-	5	5	5	0.00	-	-	-	-	1466
7	23	10	-	5	5	5	0.00	-	-	-	-	1654
7	23	11	-	5	5	5	0.00	-	-	-	-	1860

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	23	12	-	5	5	5	0.00	-	-	-	-	2061
7	23	13	-	5	5	5	0.00	-	-	-	-	2237
7	23	14	-	5	5	5	0.00	-	-	-	-	2361
7	23	15	-	5	5	5	0.00	-	-	-	-	2433
7	23	16	-	5	5	5	0.00	-	-	-	-	2459
7	23	17	-	5	5	5	0.00	-	-	-	-	2445
7	23	18	-	5	5	5	0.00	-	-	-	-	2396
7	23	19	-	5	5	5	0.00	-	-	-	-	2300
7	23	20	-	5	5	5	0.00	-	-	-	-	2180
7	23	21	-	5	5	5	0.00	-	-	-	-	2118
7	23	22	-	5	5	5	0.00	-	-	-	-	2014
7	23	23	-	5	5	5	0.00	-	-	-	-	1846
7	23	24	-	5	5	5	0.00	-	-	-	-	2046
7	24	1	-	5	5	5	0.00	-	-	-	-	1500
7	24	2	-	5	5	5	0.00	-	-	-	-	1377
7	24	3	-	5	5	5	0.00	-	-	-	-	1285
7	24	4	-	5	5	5	0.00	-	-	-	-	1223
7	24	5	-	5	5	5	0.00	-	-	-	-	1181
7	24	6	-	5	5	5	0.00	-	-	-	-	1161

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	24	7	-	5	5	5	0.00	-	-	-	-	1153
7	24	8	-	5	5	5	0.00	-	-	-	-	1217
7	24	9	-	5	5	5	0.00	-	-	-	-	1344
7	24	10	-	5	5	5	0.00	-	-	-	-	1497
7	24	11	-	5	5	5	0.00	-	-	-	-	1668
7	24	12	-	5	5	5	0.00	-	-	-	-	1827
7	24	13	-	5	5	5	0.00	-	-	-	-	1973
7	24	14	-	5	5	5	0.00	-	-	-	-	2099
7	24	15	-	5	5	5	0.00	-	-	-	-	2194
7	24	16	-	5	5	5	0.00	-	-	-	-	2271
7	24	17	-	5	5	5	0.00	-	-	-	-	2320
7	24	18	-	5	5	5	0.00	-	-	-	-	2328
7	24	19	-	5	5	5	0.00	-	-	-	-	2286
7	24	20	-	5	5	5	0.00	-	-	-	-	2193
7	24	21	-	5	5	5	0.00	-	-	-	-	2152
7	24	22	-	5	5	5	0.00	-	-	-	-	2044
7	24	23	-	5	5	5	0.00	-	-	-	-	1856
7	24	24	-	5	5	5	0.00	-	-	-	-	1887
7	25	1	-	5	5	5	0.00	-	-	-	-	1481

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	25	2	-	5	5	5	0.00	-	-	-	-	1362
7	25	3	-	5	5	5	0.00	-	-	-	-	1286
7	25	4	-	5	5	5	0.00	-	-	-	-	1246
7	25	5	-	5	5	5	0.00	-	-	-	-	1238
7	25	6	-	5	5	5	0.00	-	-	-	-	1285
7	25	7	-	5	5	5	0.00	-	-	-	-	1361
7	25	8	-	5	5	5	0.00	-	-	-	-	1482
7	25	9	-	5	5	5	0.00	-	-	-	-	1628
7	25	10	-	5	5	5	0.00	-	-	-	-	1785
7	25	11	-	5	5	5	0.00	-	-	-	-	1947
7	25	12	-	5	5	5	0.00	-	-	-	-	2101
7	25	13	-	5	5	5	0.00	-	-	-	-	2236
7	25	14	-	5	5	5	0.00	-	-	-	-	2368
7	25	15	-	5	5	5	0.00	-	-	-	-	2481
7	25	16	-	5	5	5	0.00	-	-	-	-	2571
7	25	17	-	5	5	5	0.00	-	-	-	-	2605
7	25	18	-	5	5	5	0.00	-	-	-	-	2575
7	25	19	-	5	5	5	0.00	-	-	-	-	2480
7	25	20	-	5	5	5	0.00	-	-	-	-	2329

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	25	21	-	5	5	5	0.00	-	-	-	-	2278
7	25	22	-	5	5	5	0.00	-	-	-	-	2141
7	25	23	-	5	5	5	0.00	-	-	-	-	1918
7	25	24	-	5	5	5	0.00	-	-	-	-	2045
7	26	1	-	5	5	5	0.00	-	-	-	-	1530
7	26	2	-	5	5	5	0.00	-	-	-	-	1415
7	26	3	-	5	5	5	0.00	-	-	-	-	1334
7	26	4	-	5	5	5	0.00	-	-	-	-	1283
7	26	5	-	5	5	5	0.00	-	-	-	-	1274
7	26	6	-	5	5	5	0.00	-	-	-	-	1307
7	26	7	-	5	5	5	0.00	-	-	-	-	1388
7	26	8	-	5	5	5	0.00	-	-	-	-	1513
7	26	9	-	5	5	5	0.00	-	-	-	-	1664
7	26	10	-	5	5	5	0.00	-	-	-	-	1828
7	26	11	-	5	5	5	0.00	-	-	-	-	1998
7	26	12	-	5	5	5	0.00	-	-	-	-	2160
7	26	13	-	5	5	5	0.00	-	-	-	-	2284
7	26	14	-	5	5	5	0.00	-	-	-	-	2397
7	26	15	-	5	5	5	0.00	-	-	-	-	2486

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	26	16	-	5	5	5	0.00	-	-	-	-	2540
7	26	17	-	5	5	5	0.00	-	-	-	-	2549
7	26	18	-	5	5	5	0.00	-	-	-	-	2517
7	26	19	-	5	5	5	0.00	-	-	-	-	2435
7	26	20	-	5	5	5	0.00	-	-	-	-	2304
7	26	21	-	5	5	5	0.00	-	-	-	-	2239
7	26	22	-	5	5	5	0.00	-	-	-	-	2122
7	26	23	-	5	5	5	0.00	-	-	-	-	1911
7	26	24	-	5	5	5	0.00	-	-	-	-	2079
7	27	1	-	5	5	5	0.00	-	-	-	-	1527
7	27	2	-	5	5	5	0.00	-	-	-	-	1409
7	27	3	-	5	5	5	0.00	-	-	-	-	1325
7	27	4	-	5	5	5	0.00	-	-	-	-	1274
7	27	5	-	5	5	5	0.00	-	-	-	-	1257
7	27	6	-	5	5	5	0.00	-	-	-	-	1296
7	27	7	-	5	5	5	0.00	-	-	-	-	1377
7	27	8	-	5	5	5	0.00	-	-	-	-	1505
7	27	9	-	5	5	5	0.00	-	-	-	-	1651
7	27	10	-	5	5	5	0.00	-	-	-	-	1812

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	27	11	-	5	5	5	0.00	-	-	-	-	1981
7	27	12	-	5	5	5	0.00	-	-	-	-	2138
7	27	13	-	5	5	5	0.00	-	-	-	-	2273
7	27	14	-	5	5	5	0.00	-	-	-	-	2399
7	27	15	-	5	5	5	0.00	-	-	-	-	2492
7	27	16	-	5	5	5	0.00	-	-	-	-	2543
7	27	17	-	5	5	5	0.00	-	-	-	-	2550
7	27	18	-	5	5	5	0.00	-	-	-	-	2503
7	27	19	-	5	5	5	0.00	-	-	-	-	2415
7	27	20	-	5	5	5	0.00	-	-	-	-	2301
7	27	21	-	5	5	5	0.00	-	-	-	-	2269
7	27	22	-	5	5	5	0.00	-	-	-	-	2157
7	27	23	-	5	5	5	0.00	-	-	-	-	1937
7	27	24	-	5	5	5	0.00	-	-	-	-	2078
7	28	1	-	5	5	5	0.00	-	-	-	-	1538
7	28	2	-	5	5	5	0.00	-	-	-	-	1411
7	28	3	-	5	5	5	0.00	-	-	-	-	1325
7	28	4	-	5	5	5	0.00	-	-	-	-	1270
7	28	5	-	5	5	5	0.00	-	-	-	-	1256

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	28	6	-	5	5	5	0.00	-	-	-	-	1292
7	28	7	-	5	5	5	0.00	-	-	-	-	1371
7	28	8	-	5	5	5	0.00	-	-	-	-	1491
7	28	9	-	5	5	5	0.00	-	-	-	-	1635
7	28	10	-	5	5	5	0.00	-	-	-	-	1792
7	28	11	-	5	5	5	0.00	-	-	-	-	1958
7	28	12	-	5	5	5	0.00	-	-	-	-	2104
7	28	13	-	5	5	5	0.00	-	-	-	-	2224
7	28	14	-	5	5	5	0.00	-	-	-	-	2347
7	28	15	-	5	5	5	0.00	-	-	-	-	2452
7	28	16	-	5	5	5	0.00	-	-	-	-	2524
7	28	17	-	5	5	5	0.00	-	-	-	-	2545
7	28	18	-	5	5	5	0.00	-	-	-	-	2512
7	28	19	-	5	5	5	0.00	-	-	-	-	2399
7	28	20	-	5	5	5	0.00	-	-	-	-	2297
7	28	21	-	5	5	5	0.00	-	-	-	-	2239
7	28	22	-	5	5	5	0.00	-	-	-	-	2123
7	28	23	-	5	5	5	0.00	-	-	-	-	1912
7	28	24	-	5	5	5	0.00	-	-	-	-	2040

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	29	1	-	5	5	5	0.00	-	-	-	-	1528
7	29	2	-	5	5	5	0.00	-	-	-	-	1407
7	29	3	-	5	5	5	0.00	-	-	-	-	1318
7	29	4	-	5	5	5	0.00	-	-	-	-	1266
7	29	5	-	5	5	5	0.00	-	-	-	-	1254
7	29	6	-	5	5	5	0.00	-	-	-	-	1289
7	29	7	-	5	5	5	0.00	-	-	-	-	1362
7	29	8	-	5	5	5	0.00	-	-	-	-	1479
7	29	9	-	5	5	5	0.00	-	-	-	-	1625
7	29	10	-	5	5	5	0.00	-	-	-	-	1786
7	29	11	-	5	5	5	0.00	-	-	-	-	1963
7	29	12	-	5	5	5	0.00	-	-	-	-	2132
7	29	13	-	5	5	5	0.00	-	-	-	-	2271
7	29	14	-	5	5	5	0.00	-	-	-	-	2397
7	29	15	-	5	5	5	0.00	-	-	-	-	2474
7	29	16	-	5	5	5	0.00	-	-	-	-	2523
7	29	17	-	5	5	5	0.00	-	-	-	-	2527
7	29	18	-	5	5	5	0.00	-	-	-	-	2485
7	29	19	-	5	5	5	0.00	-	-	-	-	2387

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	29	20	-	5	5	5	0.00	-	-	-	-	2259
7	29	21	-	5	5	5	0.00	-	-	-	-	2194
7	29	22	-	5	5	5	0.00	-	-	-	-	2072
7	29	23	-	5	5	5	0.00	-	-	-	-	1888
7	29	24	-	5	5	5	0.00	-	-	-	-	2074
7	30	1	-	5	5	5	0.00	-	-	-	-	1545
7	30	2	-	5	5	5	0.00	-	-	-	-	1420
7	30	3	-	5	5	5	0.00	-	-	-	-	1328
7	30	4	-	5	5	5	0.00	-	-	-	-	1270
7	30	5	-	5	5	5	0.00	-	-	-	-	1237
7	30	6	-	5	5	5	0.00	-	-	-	-	1230
7	30	7	-	5	5	5	0.00	-	-	-	-	1241
7	30	8	-	5	5	5	0.00	-	-	-	-	1313
7	30	9	-	5	5	5	0.00	-	-	-	-	1447
7	30	10	-	5	5	5	0.00	-	-	-	-	1608
7	30	11	-	5	5	5	0.00	-	-	-	-	1773
7	30	12	-	5	5	5	0.00	-	-	-	-	1918
7	30	13	-	5	5	5	0.00	-	-	-	-	2033
7	30	14	-	5	5	5	0.00	-	-	-	-	2131

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	30	15	-	5	5	5	0.00	-	-	-	-	2219
7	30	16	-	5	5	5	0.00	-	-	-	-	2284
7	30	17	-	5	5	5	0.00	-	-	-	-	2297
7	30	18	-	5	5	5	0.00	-	-	-	-	2261
7	30	19	-	5	5	5	0.00	-	-	-	-	2176
7	30	20	-	5	5	5	0.00	-	-	-	-	2075
7	30	21	-	5	5	5	0.00	-	-	-	-	2031
7	30	22	-	5	5	5	0.00	-	-	-	-	1940
7	30	23	-	5	5	5	0.00	-	-	-	-	1792
7	30	24	-	5	5	5	0.00	-	-	-	-	1896
7	31	1	-	5	5	5	0.00	-	-	-	-	1465
7	31	2	-	5	5	5	0.00	-	-	-	-	1352
7	31	3	-	5	5	5	0.00	-	-	-	-	1273
7	31	4	-	5	5	5	0.00	-	-	-	-	1215
7	31	5	-	5	5	5	0.00	-	-	-	-	1176
7	31	6	-	5	5	5	0.00	-	-	-	-	1160
7	31	7	-	5	5	5	0.00	-	-	-	-	1156
7	31	8	-	5	5	5	0.00	-	-	-	-	1199
7	31	9	-	5	5	5	0.00	-	-	-	-	1306

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
7	31	10	-	5	5	5	0.00	-	-	-	-	1448
7	31	11	-	5	5	5	0.00	-	-	-	-	1601
7	31	12	-	5	5	5	0.00	-	-	-	-	1748
7	31	13	-	5	5	5	0.00	-	-	-	-	1886
7	31	14	-	5	5	5	0.00	-	-	-	-	1993
7	31	15	-	5	5	5	0.00	-	-	-	-	2065
7	31	16	-	5	5	5	0.00	-	-	-	-	2127
7	31	17	-	5	5	5	0.00	-	-	-	-	2156
7	31	18	-	5	5	5	0.00	-	-	-	-	2138
7	31	19	-	5	5	5	0.00	-	-	-	-	2071
7	31	20	-	5	5	5	0.00	-	-	-	-	1977
7	31	21	-	5	5	5	0.00	-	-	-	-	1952
7	31	22	-	5	5	5	0.00	-	-	-	-	1863
7	31	23	-	5	5	5	0.00	-	-	-	-	1700
7	31	24	-	5	5	5	0.00	-	-	-	-	1772
8	1	1	-	-	-	-	0.00	-	-	-	-	1390
8	1	2	-	-	-	-	0.00	-	-	-	-	1289
8	1	3	-	-	-	-	0.00	-	-	-	-	1224
8	1	4	-	-	-	-	0.00	-	-	-	-	1192

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	1	5	-	-	-	-	0.00	-	-	-	-	1191
8	1	6	-	-	-	-	0.00	-	-	-	-	1244
8	1	7	-	-	-	-	0.00	-	-	-	-	1331
8	1	8	-	-	-	-	0.00	-	-	-	-	1440
8	1	9	-	-	-	-	0.00	-	-	-	-	1563
8	1	10	-	-	-	-	0.00	-	-	-	-	1693
8	1	11	-	-	-	-	0.00	-	-	-	-	1833
8	1	12	-	-	-	-	0.00	-	-	-	-	1955
8	1	13	-	-	-	-	0.00	-	-	-	-	2062
8	1	14	-	-	-	-	0.00	-	-	-	-	2171
8	1	15	-	-	-	-	0.00	-	-	-	-	2260
8	1	16	-	-	-	-	0.00	-	-	-	-	2316
8	1	17	-	-	-	-	0.00	-	-	-	-	2322
8	1	18	-	-	-	-	0.00	-	-	-	-	2270
8	1	19	-	-	-	-	0.00	-	-	-	-	2166
8	1	20	-	-	-	-	0.00	-	-	-	-	2046
8	1	21	-	-	-	-	0.00	-	-	-	-	1998
8	1	22	-	-	-	-	0.00	-	-	-	-	1885
8	1	23	-	-	-	-	0.00	-	-	-	-	1700

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	1	24	-	-	-	-	0.00	-	-	-	-	1859
8	2	1	-	-	-	-	0.00	-	-	-	-	1372
8	2	2	-	-	-	-	0.00	-	-	-	-	1275
8	2	3	-	-	-	-	0.00	-	-	-	-	1207
8	2	4	-	-	-	-	0.00	-	-	-	-	1172
8	2	5	-	-	-	-	0.00	-	-	-	-	1164
8	2	6	-	-	-	-	0.00	-	-	-	-	1208
8	2	7	-	-	-	-	0.00	-	-	-	-	1296
8	2	8	-	-	-	-	0.00	-	-	-	-	1390
8	2	9	-	-	-	-	0.00	-	-	-	-	1487
8	2	10	-	-	-	-	0.00	-	-	-	-	1593
8	2	11	-	-	-	-	0.00	-	-	-	-	1719
8	2	12	-	-	-	-	0.00	-	-	-	-	1830
8	2	13	-	-	-	-	0.00	-	-	-	-	1931
8	2	14	-	-	-	-	0.00	-	-	-	-	2047
8	2	15	-	-	-	-	0.00	-	-	-	-	2144
8	2	16	-	-	-	-	0.00	-	-	-	-	2209
8	2	17	-	-	-	-	0.00	-	-	-	-	2229
8	2	18	-	-	-	-	0.00	-	-	-	-	2201

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	2	19	-	-	-	-	0.00	-	-	-	-	2111
8	2	20	-	-	-	-	0.00	-	-	-	-	2005
8	2	21	-	-	-	-	0.00	-	-	-	-	1971
8	2	22	-	-	-	-	0.00	-	-	-	-	1862
8	2	23	-	-	-	-	0.00	-	-	-	-	1682
8	2	24	-	-	-	-	0.00	-	-	-	-	1769
8	3	1	-	-	-	-	0.00	-	-	-	-	1354
8	3	2	-	-	-	-	0.00	-	-	-	-	1258
8	3	3	-	-	-	-	0.00	-	-	-	-	1189
8	3	4	-	-	-	-	0.00	-	-	-	-	1157
8	3	5	-	-	-	-	0.00	-	-	-	-	1155
8	3	6	-	-	-	-	0.00	-	-	-	-	1207
8	3	7	-	-	-	-	0.00	-	-	-	-	1286
8	3	8	-	-	-	-	0.00	-	-	-	-	1387
8	3	9	-	-	-	-	0.00	-	-	-	-	1497
8	3	10	-	-	-	-	0.00	-	-	-	-	1624
8	3	11	-	-	-	-	0.00	-	-	-	-	1757
8	3	12	-	-	-	-	0.00	-	-	-	-	1877
8	3	13	-	-	-	-	0.00	-	-	-	-	1969

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	3	14	-	-	-	-	0.00	-	-	-	-	2060
8	3	15	-	-	-	-	0.00	-	-	-	-	2140
8	3	16	-	-	-	-	0.00	-	-	-	-	2202
8	3	17	-	-	-	-	0.00	-	-	-	-	2222
8	3	18	-	-	-	-	0.00	-	-	-	-	2187
8	3	19	-	-	-	-	0.00	-	-	-	-	2099
8	3	20	-	-	-	-	0.00	-	-	-	-	1992
8	3	21	-	-	-	-	0.00	-	-	-	-	1960
8	3	22	-	-	-	-	0.00	-	-	-	-	1856
8	3	23	-	-	-	-	0.00	-	-	-	-	1684
8	3	24	-	-	-	-	0.00	-	-	-	-	1797
8	4	1	-	-	-	-	0.00	-	-	-	-	1367
8	4	2	-	-	-	-	0.00	-	-	-	-	1269
8	4	3	-	-	-	-	0.00	-	-	-	-	1203
8	4	4	-	-	-	-	0.00	-	-	-	-	1168
8	4	5	-	-	-	-	0.00	-	-	-	-	1167
8	4	6	-	-	-	-	0.00	-	-	-	-	1213
8	4	7	-	-	-	-	0.00	-	-	-	-	1305
8	4	8	-	-	-	-	0.00	-	-	-	-	1389

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	4	9	-	-	-	-	0.00	-	-	-	-	1491
8	4	10	-	-	-	-	0.00	-	-	-	-	1604
8	4	11	-	-	-	-	0.00	-	-	-	-	1731
8	4	12	-	-	-	-	0.00	-	-	-	-	1848
8	4	13	-	-	-	-	0.00	-	-	-	-	1940
8	4	14	-	-	-	-	0.00	-	-	-	-	2040
8	4	15	-	-	-	-	0.00	-	-	-	-	2121
8	4	16	-	-	-	-	0.00	-	-	-	-	2170
8	4	17	-	-	-	-	0.00	-	-	-	-	2184
8	4	18	-	-	-	-	0.00	-	-	-	-	2152
8	4	19	-	-	-	-	0.00	-	-	-	-	2062
8	4	20	-	-	-	-	0.00	-	-	-	-	1958
8	4	21	-	-	-	-	0.00	-	-	-	-	1926
8	4	22	-	-	-	-	0.00	-	-	-	-	1820
8	4	23	-	-	-	-	0.00	-	-	-	-	1643
8	4	24	-	-	-	-	0.00	-	-	-	-	1761
8	5	1	-	-	-	-	0.00	-	-	-	-	1332
8	5	2	-	-	-	-	0.00	-	-	-	-	1239
8	5	3	-	-	-	-	0.00	-	-	-	-	1174

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	5	4	-	-	-	-	0.00	-	-	-	-	1144
8	5	5	-	-	-	-	0.00	-	-	-	-	1146
8	5	6	-	-	-	-	0.00	-	-	-	-	1192
8	5	7	-	-	-	-	0.00	-	-	-	-	1273
8	5	8	-	-	-	-	0.00	-	-	-	-	1361
8	5	9	-	-	-	-	0.00	-	-	-	-	1458
8	5	10	-	-	-	-	0.00	-	-	-	-	1553
8	5	11	-	-	-	-	0.00	-	-	-	-	1655
8	5	12	-	-	-	-	0.00	-	-	-	-	1746
8	5	13	-	-	-	-	0.00	-	-	-	-	1830
8	5	14	-	-	-	-	0.00	-	-	-	-	1918
8	5	15	-	-	-	-	0.00	-	-	-	-	1999
8	5	16	-	-	-	-	0.00	-	-	-	-	2057
8	5	17	-	-	-	-	0.00	-	-	-	-	2071
8	5	18	-	-	-	-	0.00	-	-	-	-	2032
8	5	19	-	-	-	-	0.00	-	-	-	-	1942
8	5	20	-	-	-	-	0.00	-	-	-	-	1844
8	5	21	-	-	-	-	0.00	-	-	-	-	1812
8	5	22	-	-	-	-	0.00	-	-	-	-	1717

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	5	23	-	-	-	-	0.00	-	-	-	-	1579
8	5	24	-	-	-	-	0.00	-	-	-	-	1677
8	6	1	-	-	-	-	0.00	-	-	-	-	1307
8	6	2	-	-	-	-	0.00	-	-	-	-	1212
8	6	3	-	-	-	-	0.00	-	-	-	-	1141
8	6	4	-	-	-	-	0.00	-	-	-	-	1101
8	6	5	-	-	-	-	0.00	-	-	-	-	1086
8	6	6	-	-	-	-	0.00	-	-	-	-	1089
8	6	7	-	-	-	-	0.00	-	-	-	-	1110
8	6	8	-	-	-	-	0.00	-	-	-	-	1163
8	6	9	-	-	-	-	0.00	-	-	-	-	1255
8	6	10	-	-	-	-	0.00	-	-	-	-	1349
8	6	11	-	-	-	-	0.00	-	-	-	-	1441
8	6	12	-	-	-	-	0.00	-	-	-	-	1526
8	6	13	-	-	-	-	0.00	-	-	-	-	1605
8	6	14	-	-	-	-	0.00	-	-	-	-	1686
8	6	15	-	-	-	-	0.00	-	-	-	-	1766
8	6	16	-	-	-	-	0.00	-	-	-	-	1827
8	6	17	-	-	-	-	0.00	-	-	-	-	1854

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	6	18	-	-	-	-	0.00	-	-	-	-	1840
8	6	19	-	-	-	-	0.00	-	-	-	-	1781
8	6	20	-	-	-	-	0.00	-	-	-	-	1705
8	6	21	-	-	-	-	0.00	-	-	-	-	1692
8	6	22	-	-	-	-	0.00	-	-	-	-	1613
8	6	23	-	-	-	-	0.00	-	-	-	-	1493
8	6	24	-	-	-	-	0.00	-	-	-	-	1525
8	7	1	-	-	-	-	0.00	-	-	-	-	1249
8	7	2	-	-	-	-	0.00	-	-	-	-	1165
8	7	3	-	-	-	-	0.00	-	-	-	-	1108
8	7	4	-	-	-	-	0.00	-	-	-	-	1069
8	7	5	-	-	-	-	0.00	-	-	-	-	1050
8	7	6	-	-	-	-	0.00	-	-	-	-	1043
8	7	7	-	-	-	-	0.00	-	-	-	-	1050
8	7	8	-	-	-	-	0.00	-	-	-	-	1080
8	7	9	-	-	-	-	0.00	-	-	-	-	1151
8	7	10	-	-	-	-	0.00	-	-	-	-	1235
8	7	11	-	-	-	-	0.00	-	-	-	-	1332
8	7	12	-	-	-	-	0.00	-	-	-	-	1436

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	7	13	-	-	-	-	0.00	-	-	-	-	1535
8	7	14	-	-	-	-	0.00	-	-	-	-	1634
8	7	15	-	-	-	-	0.00	-	-	-	-	1725
8	7	16	-	-	-	-	0.00	-	-	-	-	1797
8	7	17	-	-	-	-	0.00	-	-	-	-	1841
8	7	18	-	-	-	-	0.00	-	-	-	-	1846
8	7	19	-	-	-	-	0.00	-	-	-	-	1811
8	7	20	-	-	-	-	0.00	-	-	-	-	1753
8	7	21	-	-	-	-	0.00	-	-	-	-	1751
8	7	22	-	-	-	-	0.00	-	-	-	-	1666
8	7	23	-	-	-	-	0.00	-	-	-	-	1514
8	7	24	-	-	-	-	0.00	-	-	-	-	1473
8	8	1	-	-	-	-	0.00	-	-	-	-	1239
8	8	2	-	-	-	-	0.00	-	-	-	-	1157
8	8	3	-	-	-	-	0.00	-	-	-	-	1109
8	8	4	-	-	-	-	0.00	-	-	-	-	1088
8	8	5	-	-	-	-	0.00	-	-	-	-	1100
8	8	6	-	-	-	-	0.00	-	-	-	-	1159
8	8	7	-	-	-	-	0.00	-	-	-	-	1251

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	8	8	-	-	-	-	0.00	-	-	-	-	1342
8	8	9	-	-	-	-	0.00	-	-	-	-	1436
8	8	10	-	-	-	-	0.00	-	-	-	-	1521
8	8	11	-	-	-	-	0.00	-	-	-	-	1611
8	8	12	-	-	-	-	0.00	-	-	-	-	1699
8	8	13	-	-	-	-	0.00	-	-	-	-	1772
8	8	14	-	-	-	-	0.00	-	-	-	-	1861
8	8	15	-	-	-	-	0.00	-	-	-	-	1944
8	8	16	-	-	-	-	0.00	-	-	-	-	2015
8	8	17	-	-	-	-	0.00	-	-	-	-	2047
8	8	18	-	-	-	-	0.00	-	-	-	-	2029
8	8	19	-	-	-	-	0.00	-	-	-	-	1952
8	8	20	-	-	-	-	0.00	-	-	-	-	1866
8	8	21	-	-	-	-	0.00	-	-	-	-	1843
8	8	22	-	-	-	-	0.00	-	-	-	-	1738
8	8	23	-	-	-	-	0.00	-	-	-	-	1577
8	8	24	-	-	-	-	0.00	-	-	-	-	1633
8	9	1	-	-	-	-	0.00	-	-	-	-	1290
8	9	2	-	-	-	-	0.00	-	-	-	-	1210

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	9	3	-	-	-	-	0.00	-	-	-	-	1153
8	9	4	-	-	-	-	0.00	-	-	-	-	1124
8	9	5	-	-	-	-	0.00	-	-	-	-	1131
8	9	6	-	-	-	-	0.00	-	-	-	-	1182
8	9	7	-	-	-	-	0.00	-	-	-	-	1281
8	9	8	-	-	-	-	0.00	-	-	-	-	1372
8	9	9	-	-	-	-	0.00	-	-	-	-	1458
8	9	10	-	-	-	-	0.00	-	-	-	-	1539
8	9	11	-	-	-	-	0.00	-	-	-	-	1625
8	9	12	-	-	-	-	0.00	-	-	-	-	1707
8	9	13	-	-	-	-	0.00	-	-	-	-	1776
8	9	14	-	-	-	-	0.00	-	-	-	-	1859
8	9	15	-	-	-	-	0.00	-	-	-	-	1930
8	9	16	-	-	-	-	0.00	-	-	-	-	1991
8	9	17	-	-	-	-	0.00	-	-	-	-	2019
8	9	18	-	-	-	-	0.00	-	-	-	-	2003
8	9	19	-	-	-	-	0.00	-	-	-	-	1940
8	9	20	-	-	-	-	0.00	-	-	-	-	1860
8	9	21	-	-	-	-	0.00	-	-	-	-	1838

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	9	22	-	-	-	-	0.00	-	-	-	-	1737
8	9	23	-	-	-	-	0.00	-	-	-	-	1574
8	9	24	-	-	-	-	0.00	-	-	-	-	1642
8	10	1	-	-	-	-	0.00	-	-	-	-	1280
8	10	2	-	-	-	-	0.00	-	-	-	-	1191
8	10	3	-	-	-	-	0.00	-	-	-	-	1134
8	10	4	-	-	-	-	0.00	-	-	-	-	1104
8	10	5	-	-	-	-	0.00	-	-	-	-	1109
8	10	6	-	-	-	-	0.00	-	-	-	-	1155
8	10	7	-	-	-	-	0.00	-	-	-	-	1245
8	10	8	-	-	-	-	0.00	-	-	-	-	1331
8	10	9	-	-	-	-	0.00	-	-	-	-	1417
8	10	10	-	-	-	-	0.00	-	-	-	-	1502
8	10	11	-	-	-	-	0.00	-	-	-	-	1607
8	10	12	-	-	-	-	0.00	-	-	-	-	1695
8	10	13	-	-	-	-	0.00	-	-	-	-	1765
8	10	14	-	-	-	-	0.00	-	-	-	-	1851
8	10	15	-	-	-	-	0.00	-	-	-	-	1931
8	10	16	-	-	-	-	0.00	-	-	-	-	1997

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	10	17	-	-	-	-	0.00	-	-	-	-	2032
8	10	18	-	-	-	-	0.00	-	-	-	-	2014
8	10	19	-	-	-	-	0.00	-	-	-	-	1937
8	10	20	-	-	-	-	0.00	-	-	-	-	1855
8	10	21	-	-	-	-	0.00	-	-	-	-	1835
8	10	22	-	-	-	-	0.00	-	-	-	-	1733
8	10	23	-	-	-	-	0.00	-	-	-	-	1563
8	10	24	-	-	-	-	0.00	-	-	-	-	1619
8	11	1	-	-	-	-	0.00	-	-	-	-	1268
8	11	2	-	-	-	-	0.00	-	-	-	-	1182
8	11	3	-	-	-	-	0.00	-	-	-	-	1128
8	11	4	-	-	-	-	0.00	-	-	-	-	1102
8	11	5	-	-	-	-	0.00	-	-	-	-	1107
8	11	6	-	-	-	-	0.00	-	-	-	-	1152
8	11	7	-	-	-	-	0.00	-	-	-	-	1234
8	11	8	-	-	-	-	0.00	-	-	-	-	1317
8	11	9	-	-	-	-	0.00	-	-	-	-	1410
8	11	10	-	-	-	-	0.00	-	-	-	-	1508
8	11	11	-	-	-	-	0.00	-	-	-	-	1614

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	11	12	-	-	-	-	0.00	-	-	-	-	1702
8	11	13	-	-	-	-	0.00	-	-	-	-	1769
8	11	14	-	-	-	-	0.00	-	-	-	-	1855
8	11	15	-	-	-	-	0.00	-	-	-	-	1943
8	11	16	-	-	-	-	0.00	-	-	-	-	2009
8	11	17	-	-	-	-	0.00	-	-	-	-	2033
8	11	18	-	-	-	-	0.00	-	-	-	-	2012
8	11	19	-	-	-	-	0.00	-	-	-	-	1936
8	11	20	-	-	-	-	0.00	-	-	-	-	1857
8	11	21	-	-	-	-	0.00	-	-	-	-	1837
8	11	22	-	-	-	-	0.00	-	-	-	-	1739
8	11	23	-	-	-	-	0.00	-	-	-	-	1580
8	11	24	-	-	-	-	0.00	-	-	-	-	1631
8	12	1	-	-	-	-	0.00	-	-	-	-	1294
8	12	2	-	-	-	-	0.00	-	-	-	-	1204
8	12	3	-	-	-	-	0.00	-	-	-	-	1148
8	12	4	-	-	-	-	0.00	-	-	-	-	1119
8	12	5	-	-	-	-	0.00	-	-	-	-	1125
8	12	6	-	-	-	-	0.00	-	-	-	-	1169

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	12	7	-	-	-	-	0.00	-	-	-	-	1257
8	12	8	-	-	-	-	0.00	-	-	-	-	1346
8	12	9	-	-	-	-	0.00	-	-	-	-	1448
8	12	10	-	-	-	-	0.00	-	-	-	-	1555
8	12	11	-	-	-	-	0.00	-	-	-	-	1657
8	12	12	-	-	-	-	0.00	-	-	-	-	1752
8	12	13	-	-	-	-	0.00	-	-	-	-	1823
8	12	14	-	-	-	-	0.00	-	-	-	-	1914
8	12	15	-	-	-	-	0.00	-	-	-	-	2001
8	12	16	-	-	-	-	0.00	-	-	-	-	2062
8	12	17	-	-	-	-	0.00	-	-	-	-	2090
8	12	18	-	-	-	-	0.00	-	-	-	-	2063
8	12	19	-	-	-	-	0.00	-	-	-	-	1981
8	12	20	-	-	-	-	0.00	-	-	-	-	1888
8	12	21	-	-	-	-	0.00	-	-	-	-	1858
8	12	22	-	-	-	-	0.00	-	-	-	-	1755
8	12	23	-	-	-	-	0.00	-	-	-	-	1612
8	12	24	-	-	-	-	0.00	-	-	-	-	1682
8	13	1	-	-	-	-	0.00	-	-	-	-	1333

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	13	2	-	-	-	-	0.00	-	-	-	-	1235
8	13	3	-	-	-	-	0.00	-	-	-	-	1167
8	13	4	-	-	-	-	0.00	-	-	-	-	1123
8	13	5	-	-	-	-	0.00	-	-	-	-	1106
8	13	6	-	-	-	-	0.00	-	-	-	-	1106
8	13	7	-	-	-	-	0.00	-	-	-	-	1125
8	13	8	-	-	-	-	0.00	-	-	-	-	1182
8	13	9	-	-	-	-	0.00	-	-	-	-	1294
8	13	10	-	-	-	-	0.00	-	-	-	-	1421
8	13	11	-	-	-	-	0.00	-	-	-	-	1553
8	13	12	-	-	-	-	0.00	-	-	-	-	1684
8	13	13	-	-	-	-	0.00	-	-	-	-	1814
8	13	14	-	-	-	-	0.00	-	-	-	-	1928
8	13	15	-	-	-	-	0.00	-	-	-	-	2023
8	13	16	-	-	-	-	0.00	-	-	-	-	2088
8	13	17	-	-	-	-	0.00	-	-	-	-	2119
8	13	18	-	-	-	-	0.00	-	-	-	-	2094
8	13	19	-	-	-	-	0.00	-	-	-	-	2017
8	13	20	-	-	-	-	0.00	-	-	-	-	1928

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	13	21	-	-	-	-	0.00	-	-	-	-	1893
8	13	22	-	-	-	-	0.00	-	-	-	-	1796
8	13	23	-	-	-	-	0.00	-	-	-	-	1648
8	13	24	-	-	-	-	0.00	-	-	-	-	1701
8	14	1	-	-	-	-	0.00	-	-	-	-	1359
8	14	2	-	-	-	-	0.00	-	-	-	-	1256
8	14	3	-	-	-	-	0.00	-	-	-	-	1180
8	14	4	-	-	-	-	0.00	-	-	-	-	1128
8	14	5	-	-	-	-	0.00	-	-	-	-	1103
8	14	6	-	-	-	-	0.00	-	-	-	-	1090
8	14	7	-	-	-	-	0.00	-	-	-	-	1090
8	14	8	-	-	-	-	0.00	-	-	-	-	1137
8	14	9	-	-	-	-	0.00	-	-	-	-	1250
8	14	10	-	-	-	-	0.00	-	-	-	-	1398
8	14	11	-	-	-	-	0.00	-	-	-	-	1567
8	14	12	-	-	-	-	0.00	-	-	-	-	1740
8	14	13	-	-	-	-	0.00	-	-	-	-	1893
8	14	14	-	-	-	-	0.00	-	-	-	-	2024
8	14	15	-	-	-	-	0.00	-	-	-	-	2126

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	14	16	-	-	-	-	0.00	-	-	-	-	2188
8	14	17	-	-	-	-	0.00	-	-	-	-	2223
8	14	18	-	-	-	-	0.00	-	-	-	-	2235
8	14	19	-	-	-	-	0.00	-	-	-	-	2185
8	14	20	-	-	-	-	0.00	-	-	-	-	2098
8	14	21	-	-	-	-	0.00	-	-	-	-	2057
8	14	22	-	-	-	-	0.00	-	-	-	-	1931
8	14	23	-	-	-	-	0.00	-	-	-	-	1743
8	14	24	-	-	-	-	0.00	-	-	-	-	1786
8	15	1	-	-	-	-	0.00	-	-	-	-	1387
8	15	2	-	-	-	-	0.00	-	-	-	-	1278
8	15	3	-	-	-	-	0.00	-	-	-	-	1203
8	15	4	-	-	-	-	0.00	-	-	-	-	1162
8	15	5	-	-	-	-	0.00	-	-	-	-	1165
8	15	6	-	-	-	-	0.00	-	-	-	-	1210
8	15	7	-	-	-	-	0.00	-	-	-	-	1297
8	15	8	-	-	-	-	0.00	-	-	-	-	1398
8	15	9	-	-	-	-	0.00	-	-	-	-	1525
8	15	10	-	-	-	-	0.00	-	-	-	-	1673

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	15	11	-	-	-	-	0.00	-	-	-	-	1839
8	15	12	-	-	-	-	0.00	-	-	-	-	1998
8	15	13	-	-	-	-	0.00	-	-	-	-	2143
8	15	14	-	-	-	-	0.00	-	-	-	-	2280
8	15	15	-	-	-	-	0.00	-	-	-	-	2390
8	15	16	-	-	-	-	0.00	-	-	-	-	2467
8	15	17	-	-	-	-	0.00	-	-	-	-	2474
8	15	18	-	-	-	-	0.00	-	-	-	-	2435
8	15	19	-	-	-	-	0.00	-	-	-	-	2347
8	15	20	-	-	-	-	0.00	-	-	-	-	2230
8	15	21	-	-	-	-	0.00	-	-	-	-	2158
8	15	22	-	-	-	-	0.00	-	-	-	-	1985
8	15	23	-	-	-	-	0.00	-	-	-	-	1753
8	15	24	-	-	-	-	0.00	-	-	-	-	1913
8	16	1	-	-	-	-	0.00	-	-	-	-	1367
8	16	2	-	-	-	-	0.00	-	-	-	-	1256
8	16	3	-	-	-	-	0.00	-	-	-	-	1184
8	16	4	-	-	-	-	0.00	-	-	-	-	1140
8	16	5	-	-	-	-	0.00	-	-	-	-	1136

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	16	6	-	-	-	-	0.00	-	-	-	-	1178
8	16	7	-	-	-	-	0.00	-	-	-	-	1265
8	16	8	-	-	-	-	0.00	-	-	-	-	1347
8	16	9	-	-	-	-	0.00	-	-	-	-	1460
8	16	10	-	-	-	-	0.00	-	-	-	-	1574
8	16	11	-	-	-	-	0.00	-	-	-	-	1701
8	16	12	-	-	-	-	0.00	-	-	-	-	1830
8	16	13	-	-	-	-	0.00	-	-	-	-	1963
8	16	14	-	-	-	-	0.00	-	-	-	-	2102
8	16	15	-	-	-	-	0.00	-	-	-	-	2226
8	16	16	-	-	-	-	0.00	-	-	-	-	2337
8	16	17	-	-	-	-	0.00	-	-	-	-	2386
8	16	18	-	-	-	-	0.00	-	-	-	-	2359
8	16	19	-	-	-	-	0.00	-	-	-	-	2270
8	16	20	-	-	-	-	0.00	-	-	-	-	2147
8	16	21	-	-	-	-	0.00	-	-	-	-	2074
8	16	22	-	-	-	-	0.00	-	-	-	-	1904
8	16	23	-	-	-	-	0.00	-	-	-	-	1680
8	16	24	-	-	-	-	0.00	-	-	-	-	1782

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	17	1	-	-	-	-	0.00	-	-	-	-	1319
8	17	2	-	-	-	-	0.00	-	-	-	-	1215
8	17	3	-	-	-	-	0.00	-	-	-	-	1148
8	17	4	-	-	-	-	0.00	-	-	-	-	1111
8	17	5	-	-	-	-	0.00	-	-	-	-	1112
8	17	6	-	-	-	-	0.00	-	-	-	-	1156
8	17	7	-	-	-	-	0.00	-	-	-	-	1250
8	17	8	-	-	-	-	0.00	-	-	-	-	1326
8	17	9	-	-	-	-	0.00	-	-	-	-	1420
8	17	10	-	-	-	-	0.00	-	-	-	-	1535
8	17	11	-	-	-	-	0.00	-	-	-	-	1650
8	17	12	-	-	-	-	0.00	-	-	-	-	1758
8	17	13	-	-	-	-	0.00	-	-	-	-	1858
8	17	14	-	-	-	-	0.00	-	-	-	-	1984
8	17	15	-	-	-	-	0.00	-	-	-	-	2101
8	17	16	-	-	-	-	0.00	-	-	-	-	2203
8	17	17	-	-	-	-	0.00	-	-	-	-	2262
8	17	18	-	-	-	-	0.00	-	-	-	-	2259
8	17	19	-	-	-	-	0.00	-	-	-	-	2192

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	17	20	-	-	-	-	0.00	-	-	-	-	2088
8	17	21	-	-	-	-	0.00	-	-	-	-	2018
8	17	22	-	-	-	-	0.00	-	-	-	-	1859
8	17	23	-	-	-	-	0.00	-	-	-	-	1645
8	17	24	-	-	-	-	0.00	-	-	-	-	1701
8	18	1	-	-	-	-	0.00	-	-	-	-	1293
8	18	2	-	-	-	-	0.00	-	-	-	-	1193
8	18	3	-	-	-	-	0.00	-	-	-	-	1131
8	18	4	-	-	-	-	0.00	-	-	-	-	1098
8	18	5	-	-	-	-	0.00	-	-	-	-	1099
8	18	6	-	-	-	-	0.00	-	-	-	-	1144
8	18	7	-	-	-	-	0.00	-	-	-	-	1242
8	18	8	-	-	-	-	0.00	-	-	-	-	1323
8	18	9	-	-	-	-	0.00	-	-	-	-	1403
8	18	10	-	-	-	-	0.00	-	-	-	-	1498
8	18	11	-	-	-	-	0.00	-	-	-	-	1597
8	18	12	-	-	-	-	0.00	-	-	-	-	1686
8	18	13	-	-	-	-	0.00	-	-	-	-	1773
8	18	14	-	-	-	-	0.00	-	-	-	-	1889

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	18	15	-	-	-	-	0.00	-	-	-	-	1998
8	18	16	-	-	-	-	0.00	-	-	-	-	2085
8	18	17	-	-	-	-	0.00	-	-	-	-	2133
8	18	18	-	-	-	-	0.00	-	-	-	-	2123
8	18	19	-	-	-	-	0.00	-	-	-	-	2052
8	18	20	-	-	-	-	0.00	-	-	-	-	1958
8	18	21	-	-	-	-	0.00	-	-	-	-	1910
8	18	22	-	-	-	-	0.00	-	-	-	-	1773
8	18	23	-	-	-	-	0.00	-	-	-	-	1584
8	18	24	-	-	-	-	0.00	-	-	-	-	1631
8	19	1	-	-	-	-	0.00	-	-	-	-	1275
8	19	2	-	-	-	-	0.00	-	-	-	-	1186
8	19	3	-	-	-	-	0.00	-	-	-	-	1130
8	19	4	-	-	-	-	0.00	-	-	-	-	1101
8	19	5	-	-	-	-	0.00	-	-	-	-	1096
8	19	6	-	-	-	-	0.00	-	-	-	-	1141
8	19	7	-	-	-	-	0.00	-	-	-	-	1238
8	19	8	-	-	-	-	0.00	-	-	-	-	1318
8	19	9	-	-	-	-	0.00	-	-	-	-	1408

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	19	10	-	-	-	-	0.00	-	-	-	-	1512
8	19	11	-	-	-	-	0.00	-	-	-	-	1617
8	19	12	-	-	-	-	0.00	-	-	-	-	1705
8	19	13	-	-	-	-	0.00	-	-	-	-	1790
8	19	14	-	-	-	-	0.00	-	-	-	-	1887
8	19	15	-	-	-	-	0.00	-	-	-	-	1978
8	19	16	-	-	-	-	0.00	-	-	-	-	2054
8	19	17	-	-	-	-	0.00	-	-	-	-	2089
8	19	18	-	-	-	-	0.00	-	-	-	-	2056
8	19	19	-	-	-	-	0.00	-	-	-	-	1962
8	19	20	-	-	-	-	0.00	-	-	-	-	1876
8	19	21	-	-	-	-	0.00	-	-	-	-	1831
8	19	22	-	-	-	-	0.00	-	-	-	-	1712
8	19	23	-	-	-	-	0.00	-	-	-	-	1556
8	19	24	-	-	-	-	0.00	-	-	-	-	1641
8	20	1	-	-	-	-	0.00	-	-	-	-	1276
8	20	2	-	-	-	-	0.00	-	-	-	-	1187
8	20	3	-	-	-	-	0.00	-	-	-	-	1123
8	20	4	-	-	-	-	0.00	-	-	-	-	1084

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	20	5	-	-	-	-	0.00	-	-	-	-	1069
8	20	6	-	-	-	-	0.00	-	-	-	-	1075
8	20	7	-	-	-	-	0.00	-	-	-	-	1098
8	20	8	-	-	-	-	0.00	-	-	-	-	1143
8	20	9	-	-	-	-	0.00	-	-	-	-	1237
8	20	10	-	-	-	-	0.00	-	-	-	-	1332
8	20	11	-	-	-	-	0.00	-	-	-	-	1422
8	20	12	-	-	-	-	0.00	-	-	-	-	1498
8	20	13	-	-	-	-	0.00	-	-	-	-	1574
8	20	14	-	-	-	-	0.00	-	-	-	-	1644
8	20	15	-	-	-	-	0.00	-	-	-	-	1721
8	20	16	-	-	-	-	0.00	-	-	-	-	1770
8	20	17	-	-	-	-	0.00	-	-	-	-	1791
8	20	18	-	-	-	-	0.00	-	-	-	-	1766
8	20	19	-	-	-	-	0.00	-	-	-	-	1701
8	20	20	-	-	-	-	0.00	-	-	-	-	1656
8	20	21	-	-	-	-	0.00	-	-	-	-	1648
8	20	22	-	-	-	-	0.00	-	-	-	-	1563
8	20	23	-	-	-	-	0.00	-	-	-	-	1447

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	20	24	-	-	-	-	0.00	-	-	-	-	1483
8	21	1	-	-	-	-	0.00	-	-	-	-	1216
8	21	2	-	-	-	-	0.00	-	-	-	-	1135
8	21	3	-	-	-	-	0.00	-	-	-	-	1077
8	21	4	-	-	-	-	0.00	-	-	-	-	1042
8	21	5	-	-	-	-	0.00	-	-	-	-	1022
8	21	6	-	-	-	-	0.00	-	-	-	-	1014
8	21	7	-	-	-	-	0.00	-	-	-	-	1022
8	21	8	-	-	-	-	0.00	-	-	-	-	1051
8	21	9	-	-	-	-	0.00	-	-	-	-	1135
8	21	10	-	-	-	-	0.00	-	-	-	-	1232
8	21	11	-	-	-	-	0.00	-	-	-	-	1332
8	21	12	-	-	-	-	0.00	-	-	-	-	1433
8	21	13	-	-	-	-	0.00	-	-	-	-	1535
8	21	14	-	-	-	-	0.00	-	-	-	-	1644
8	21	15	-	-	-	-	0.00	-	-	-	-	1746
8	21	16	-	-	-	-	0.00	-	-	-	-	1837
8	21	17	-	-	-	-	0.00	-	-	-	-	1874
8	21	18	-	-	-	-	0.00	-	-	-	-	1860

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	21	19	-	-	-	-	0.00	-	-	-	-	1801
8	21	20	-	-	-	-	0.00	-	-	-	-	1757
8	21	21	-	-	-	-	0.00	-	-	-	-	1754
8	21	22	-	-	-	-	0.00	-	-	-	-	1644
8	21	23	-	-	-	-	0.00	-	-	-	-	1483
8	21	24	-	-	-	-	0.00	-	-	-	-	1463
8	22	1	-	-	-	-	0.00	-	-	-	-	1199
8	22	2	-	-	-	-	0.00	-	-	-	-	1120
8	22	3	-	-	-	-	0.00	-	-	-	-	1073
8	22	4	-	-	-	-	0.00	-	-	-	-	1051
8	22	5	-	-	-	-	0.00	-	-	-	-	1066
8	22	6	-	-	-	-	0.00	-	-	-	-	1119
8	22	7	-	-	-	-	0.00	-	-	-	-	1218
8	22	8	-	-	-	-	0.00	-	-	-	-	1309
8	22	9	-	-	-	-	0.00	-	-	-	-	1411
8	22	10	-	-	-	-	0.00	-	-	-	-	1523
8	22	11	-	-	-	-	0.00	-	-	-	-	1628
8	22	12	-	-	-	-	0.00	-	-	-	-	1718
8	22	13	-	-	-	-	0.00	-	-	-	-	1801

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	22	14	-	-	-	-	0.00	-	-	-	-	1900
8	22	15	-	-	-	-	0.00	-	-	-	-	1990
8	22	16	-	-	-	-	0.00	-	-	-	-	2065
8	22	17	-	-	-	-	0.00	-	-	-	-	2095
8	22	18	-	-	-	-	0.00	-	-	-	-	2062
8	22	19	-	-	-	-	0.00	-	-	-	-	1967
8	22	20	-	-	-	-	0.00	-	-	-	-	1900
8	22	21	-	-	-	-	0.00	-	-	-	-	1864
8	22	22	-	-	-	-	0.00	-	-	-	-	1731
8	22	23	-	-	-	-	0.00	-	-	-	-	1544
8	22	24	-	-	-	-	0.00	-	-	-	-	1636
8	23	1	-	-	-	-	0.00	-	-	-	-	1247
8	23	2	-	-	-	-	0.00	-	-	-	-	1163
8	23	3	-	-	-	-	0.00	-	-	-	-	1105
8	23	4	-	-	-	-	0.00	-	-	-	-	1081
8	23	5	-	-	-	-	0.00	-	-	-	-	1088
8	23	6	-	-	-	-	0.00	-	-	-	-	1138
8	23	7	-	-	-	-	0.00	-	-	-	-	1243
8	23	8	-	-	-	-	0.00	-	-	-	-	1325

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	23	9	-	-	-	-	0.00	-	-	-	-	1419
8	23	10	-	-	-	-	0.00	-	-	-	-	1521
8	23	11	-	-	-	-	0.00	-	-	-	-	1624
8	23	12	-	-	-	-	0.00	-	-	-	-	1712
8	23	13	-	-	-	-	0.00	-	-	-	-	1793
8	23	14	-	-	-	-	0.00	-	-	-	-	1891
8	23	15	-	-	-	-	0.00	-	-	-	-	1981
8	23	16	-	-	-	-	0.00	-	-	-	-	2057
8	23	17	-	-	-	-	0.00	-	-	-	-	2087
8	23	18	-	-	-	-	0.00	-	-	-	-	2043
8	23	19	-	-	-	-	0.00	-	-	-	-	1951
8	23	20	-	-	-	-	0.00	-	-	-	-	1903
8	23	21	-	-	-	-	0.00	-	-	-	-	1876
8	23	22	-	-	-	-	0.00	-	-	-	-	1744
8	23	23	-	-	-	-	0.00	-	-	-	-	1555
8	23	24	-	-	-	-	0.00	-	-	-	-	1640
8	24	1	-	-	-	-	0.00	-	-	-	-	1254
8	24	2	-	-	-	-	0.00	-	-	-	-	1170
8	24	3	-	-	-	-	0.00	-	-	-	-	1115

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	24	4	-	-	-	-	0.00	-	-	-	-	1087
8	24	5	-	-	-	-	0.00	-	-	-	-	1090
8	24	6	-	-	-	-	0.00	-	-	-	-	1141
8	24	7	-	-	-	-	0.00	-	-	-	-	1252
8	24	8	-	-	-	-	0.00	-	-	-	-	1339
8	24	9	-	-	-	-	0.00	-	-	-	-	1434
8	24	10	-	-	-	-	0.00	-	-	-	-	1534
8	24	11	-	-	-	-	0.00	-	-	-	-	1635
8	24	12	-	-	-	-	0.00	-	-	-	-	1728
8	24	13	-	-	-	-	0.00	-	-	-	-	1809
8	24	14	-	-	-	-	0.00	-	-	-	-	1904
8	24	15	-	-	-	-	0.00	-	-	-	-	1997
8	24	16	-	-	-	-	0.00	-	-	-	-	2072
8	24	17	-	-	-	-	0.00	-	-	-	-	2091
8	24	18	-	-	-	-	0.00	-	-	-	-	2042
8	24	19	-	-	-	-	0.00	-	-	-	-	1944
8	24	20	-	-	-	-	0.00	-	-	-	-	1896
8	24	21	-	-	-	-	0.00	-	-	-	-	1859
8	24	22	-	-	-	-	0.00	-	-	-	-	1723

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	24	23	-	-	-	-	0.00	-	-	-	-	1537
8	24	24	-	-	-	-	0.00	-	-	-	-	1642
8	25	1	-	-	-	-	0.00	-	-	-	-	1243
8	25	2	-	-	-	-	0.00	-	-	-	-	1158
8	25	3	-	-	-	-	0.00	-	-	-	-	1106
8	25	4	-	-	-	-	0.00	-	-	-	-	1079
8	25	5	-	-	-	-	0.00	-	-	-	-	1086
8	25	6	-	-	-	-	0.00	-	-	-	-	1136
8	25	7	-	-	-	-	0.00	-	-	-	-	1245
8	25	8	-	-	-	-	0.00	-	-	-	-	1322
8	25	9	-	-	-	-	0.00	-	-	-	-	1405
8	25	10	-	-	-	-	0.00	-	-	-	-	1500
8	25	11	-	-	-	-	0.00	-	-	-	-	1593
8	25	12	-	-	-	-	0.00	-	-	-	-	1669
8	25	13	-	-	-	-	0.00	-	-	-	-	1735
8	25	14	-	-	-	-	0.00	-	-	-	-	1813
8	25	15	-	-	-	-	0.00	-	-	-	-	1876
8	25	16	-	-	-	-	0.00	-	-	-	-	1926
8	25	17	-	-	-	-	0.00	-	-	-	-	1942

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	25	18	-	-	-	-	0.00	-	-	-	-	1901
8	25	19	-	-	-	-	0.00	-	-	-	-	1821
8	25	20	-	-	-	-	0.00	-	-	-	-	1786
8	25	21	-	-	-	-	0.00	-	-	-	-	1768
8	25	22	-	-	-	-	0.00	-	-	-	-	1653
8	25	23	-	-	-	-	0.00	-	-	-	-	1487
8	25	24	-	-	-	-	0.00	-	-	-	-	1585
8	26	1	-	-	-	-	0.00	-	-	-	-	1224
8	26	2	-	-	-	-	0.00	-	-	-	-	1149
8	26	3	-	-	-	-	0.00	-	-	-	-	1099
8	26	4	-	-	-	-	0.00	-	-	-	-	1079
8	26	5	-	-	-	-	0.00	-	-	-	-	1090
8	26	6	-	-	-	-	0.00	-	-	-	-	1142
8	26	7	-	-	-	-	0.00	-	-	-	-	1257
8	26	8	-	-	-	-	0.00	-	-	-	-	1337
8	26	9	-	-	-	-	0.00	-	-	-	-	1403
8	26	10	-	-	-	-	0.00	-	-	-	-	1477
8	26	11	-	-	-	-	0.00	-	-	-	-	1540
8	26	12	-	-	-	-	0.00	-	-	-	-	1598

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	26	13	-	-	-	-	0.00	-	-	-	-	1639
8	26	14	-	-	-	-	0.00	-	-	-	-	1692
8	26	15	-	-	-	-	0.00	-	-	-	-	1740
8	26	16	-	-	-	-	0.00	-	-	-	-	1781
8	26	17	-	-	-	-	0.00	-	-	-	-	1782
8	26	18	-	-	-	-	0.00	-	-	-	-	1740
8	26	19	-	-	-	-	0.00	-	-	-	-	1662
8	26	20	-	-	-	-	0.00	-	-	-	-	1639
8	26	21	-	-	-	-	0.00	-	-	-	-	1635
8	26	22	-	-	-	-	0.00	-	-	-	-	1550
8	26	23	-	-	-	-	0.00	-	-	-	-	1427
8	26	24	-	-	-	-	0.00	-	-	-	-	1508
8	27	1	-	-	-	-	0.00	-	-	-	-	1191
8	27	2	-	-	-	-	0.00	-	-	-	-	1116
8	27	3	-	-	-	-	0.00	-	-	-	-	1069
8	27	4	-	-	-	-	0.00	-	-	-	-	1040
8	27	5	-	-	-	-	0.00	-	-	-	-	1034
8	27	6	-	-	-	-	0.00	-	-	-	-	1052
8	27	7	-	-	-	-	0.00	-	-	-	-	1088

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	27	8	-	-	-	-	0.00	-	-	-	-	1138
8	27	9	-	-	-	-	0.00	-	-	-	-	1223
8	27	10	-	-	-	-	0.00	-	-	-	-	1296
8	27	11	-	-	-	-	0.00	-	-	-	-	1342
8	27	12	-	-	-	-	0.00	-	-	-	-	1371
8	27	13	-	-	-	-	0.00	-	-	-	-	1411
8	27	14	-	-	-	-	0.00	-	-	-	-	1450
8	27	15	-	-	-	-	0.00	-	-	-	-	1498
8	27	16	-	-	-	-	0.00	-	-	-	-	1544
8	27	17	-	-	-	-	0.00	-	-	-	-	1571
8	27	18	-	-	-	-	0.00	-	-	-	-	1570
8	27	19	-	-	-	-	0.00	-	-	-	-	1537
8	27	20	-	-	-	-	0.00	-	-	-	-	1541
8	27	21	-	-	-	-	0.00	-	-	-	-	1552
8	27	22	-	-	-	-	0.00	-	-	-	-	1482
8	27	23	-	-	-	-	0.00	-	-	-	-	1375
8	27	24	-	-	-	-	0.00	-	-	-	-	1354
8	28	1	-	-	-	-	0.00	-	-	-	-	1162
8	28	2	-	-	-	-	0.00	-	-	-	-	1089

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	28	3	-	-	-	-	0.00	-	-	-	-	1039
8	28	4	-	-	-	-	0.00	-	-	-	-	1005
8	28	5	-	-	-	-	0.00	-	-	-	-	992
8	28	6	-	-	-	-	0.00	-	-	-	-	986
8	28	7	-	-	-	-	0.00	-	-	-	-	995
8	28	8	-	-	-	-	0.00	-	-	-	-	1023
8	28	9	-	-	-	-	0.00	-	-	-	-	1104
8	28	10	-	-	-	-	0.00	-	-	-	-	1197
8	28	11	-	-	-	-	0.00	-	-	-	-	1289
8	28	12	-	-	-	-	0.00	-	-	-	-	1379
8	28	13	-	-	-	-	0.00	-	-	-	-	1470
8	28	14	-	-	-	-	0.00	-	-	-	-	1572
8	28	15	-	-	-	-	0.00	-	-	-	-	1677
8	28	16	-	-	-	-	0.00	-	-	-	-	1763
8	28	17	-	-	-	-	0.00	-	-	-	-	1805
8	28	18	-	-	-	-	0.00	-	-	-	-	1810
8	28	19	-	-	-	-	0.00	-	-	-	-	1768
8	28	20	-	-	-	-	0.00	-	-	-	-	1741
8	28	21	-	-	-	-	0.00	-	-	-	-	1731

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	28	22	-	-	-	-	0.00	-	-	-	-	1625
8	28	23	-	-	-	-	0.00	-	-	-	-	1464
8	28	24	-	-	-	-	0.00	-	-	-	-	1403
8	29	1	-	-	-	-	0.00	-	-	-	-	1198
8	29	2	-	-	-	-	0.00	-	-	-	-	1121
8	29	3	-	-	-	-	0.00	-	-	-	-	1075
8	29	4	-	-	-	-	0.00	-	-	-	-	1053
8	29	5	-	-	-	-	0.00	-	-	-	-	1067
8	29	6	-	-	-	-	0.00	-	-	-	-	1126
8	29	7	-	-	-	-	0.00	-	-	-	-	1233
8	29	8	-	-	-	-	0.00	-	-	-	-	1327
8	29	9	-	-	-	-	0.00	-	-	-	-	1428
8	29	10	-	-	-	-	0.00	-	-	-	-	1542
8	29	11	-	-	-	-	0.00	-	-	-	-	1659
8	29	12	-	-	-	-	0.00	-	-	-	-	1773
8	29	13	-	-	-	-	0.00	-	-	-	-	1878
8	29	14	-	-	-	-	0.00	-	-	-	-	2014
8	29	15	-	-	-	-	0.00	-	-	-	-	2138
8	29	16	-	-	-	-	0.00	-	-	-	-	2246

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	29	17	-	-	-	-	0.00	-	-	-	-	2302
8	29	18	-	-	-	-	0.00	-	-	-	-	2277
8	29	19	-	-	-	-	0.00	-	-	-	-	2183
8	29	20	-	-	-	-	0.00	-	-	-	-	2105
8	29	21	-	-	-	-	0.00	-	-	-	-	2045
8	29	22	-	-	-	-	0.00	-	-	-	-	1879
8	29	23	-	-	-	-	0.00	-	-	-	-	1664
8	29	24	-	-	-	-	0.00	-	-	-	-	1718
8	30	1	-	-	-	-	0.00	-	-	-	-	1329
8	30	2	-	-	-	-	0.00	-	-	-	-	1234
8	30	3	-	-	-	-	0.00	-	-	-	-	1170
8	30	4	-	-	-	-	0.00	-	-	-	-	1137
8	30	5	-	-	-	-	0.00	-	-	-	-	1143
8	30	6	-	-	-	-	0.00	-	-	-	-	1196
8	30	7	-	-	-	-	0.00	-	-	-	-	1316
8	30	8	-	-	-	-	0.00	-	-	-	-	1396
8	30	9	-	-	-	-	0.00	-	-	-	-	1490
8	30	10	-	-	-	-	0.00	-	-	-	-	1617
8	30	11	-	-	-	-	0.00	-	-	-	-	1754

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	30	12	-	-	-	-	0.00	-	-	-	-	1889
8	30	13	-	-	-	-	0.00	-	-	-	-	2028
8	30	14	-	-	-	-	0.00	-	-	-	-	2186
8	30	15	-	-	-	-	0.00	-	-	-	-	2317
8	30	16	-	-	-	-	0.00	-	-	-	-	2416
8	30	17	-	-	-	-	0.00	-	-	-	-	2457
8	30	18	-	-	-	-	0.00	-	-	-	-	2421
8	30	19	-	-	-	-	0.00	-	-	-	-	2317
8	30	20	-	-	-	-	0.00	-	-	-	-	2239
8	30	21	-	-	-	-	0.00	-	-	-	-	2163
8	30	22	-	-	-	-	0.00	-	-	-	-	1987
8	30	23	-	-	-	-	0.00	-	-	-	-	1756
8	30	24	-	-	-	-	0.00	-	-	-	-	1851
8	31	1	-	-	-	-	0.00	-	-	-	-	1328
8	31	2	-	-	-	-	0.00	-	-	-	-	1202
8	31	3	-	-	-	-	0.00	-	-	-	-	1131
8	31	4	-	-	-	-	0.00	-	-	-	-	1092
8	31	5	-	-	-	-	0.00	-	-	-	-	1091
8	31	6	-	-	-	-	0.00	-	-	-	-	1144

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
8	31	7	-	-	-	-	0.00	-	-	-	-	1260
8	31	8	-	-	-	-	0.00	-	-	-	-	1345
8	31	9	-	-	-	-	0.00	-	-	-	-	1444
8	31	10	-	-	-	-	0.00	-	-	-	-	1573
8	31	11	-	-	-	-	0.00	-	-	-	-	1707
8	31	12	-	-	-	-	0.00	-	-	-	-	1829
8	31	13	-	-	-	-	0.00	-	-	-	-	1938
8	31	14	-	-	-	-	0.00	-	-	-	-	2073
8	31	15	-	-	-	-	0.00	-	-	-	-	2189
8	31	16	-	-	-	-	0.00	-	-	-	-	2266
8	31	17	-	-	-	-	0.00	-	-	-	-	2283
8	31	18	-	-	-	-	0.00	-	-	-	-	2231
8	31	19	-	-	-	-	0.00	-	-	-	-	2122
8	31	20	-	-	-	-	0.00	-	-	-	-	2031
8	31	21	-	-	-	-	0.00	-	-	-	-	1956
8	31	22	-	-	-	-	0.00	-	-	-	-	1791
8	31	23	-	-	-	-	0.00	-	-	-	-	1574
8	31	24	-	-	-	-	0.00	-	-	-	-	1733
9	1	1	-	-	-	-	0.00	-	-	-	-	1334

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	1	2	-	-	-	-	0.00	-	-	-	-	1238
9	1	3	-	-	-	-	0.00	-	-	-	-	1176
9	1	4	-	-	-	-	0.00	-	-	-	-	1139
9	1	5	-	-	-	-	0.00	-	-	-	-	1140
9	1	6	-	-	-	-	0.00	-	-	-	-	1191
9	1	7	-	-	-	-	0.00	-	-	-	-	1304
9	1	8	-	-	-	-	0.00	-	-	-	-	1390
9	1	9	-	-	-	-	0.00	-	-	-	-	1488
9	1	10	-	-	-	-	0.00	-	-	-	-	1598
9	1	11	-	-	-	-	0.00	-	-	-	-	1714
9	1	12	-	-	-	-	0.00	-	-	-	-	1813
9	1	13	-	-	-	-	0.00	-	-	-	-	1908
9	1	14	-	-	-	-	0.00	-	-	-	-	2023
9	1	15	-	-	-	-	0.00	-	-	-	-	2112
9	1	16	-	-	-	-	0.00	-	-	-	-	2185
9	1	17	-	-	-	-	0.00	-	-	-	-	2204
9	1	18	-	-	-	-	0.00	-	-	-	-	2157
9	1	19	-	-	-	-	0.00	-	-	-	-	2053
9	1	20	-	-	-	-	0.00	-	-	-	-	1983

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	1	21	-	-	-	-	0.00	-	-	-	-	1928
9	1	22	-	-	-	-	0.00	-	-	-	-	1784
9	1	23	-	-	-	-	0.00	-	-	-	-	1589
9	1	24	-	-	-	-	0.00	-	-	-	-	1728
9	2	1	-	-	-	-	0.00	-	-	-	-	1286
9	2	2	-	-	-	-	0.00	-	-	-	-	1201
9	2	3	-	-	-	-	0.00	-	-	-	-	1149
9	2	4	-	-	-	-	0.00	-	-	-	-	1119
9	2	5	-	-	-	-	0.00	-	-	-	-	1129
9	2	6	-	-	-	-	0.00	-	-	-	-	1185
9	2	7	-	-	-	-	0.00	-	-	-	-	1299
9	2	8	-	-	-	-	0.00	-	-	-	-	1386
9	2	9	-	-	-	-	0.00	-	-	-	-	1456
9	2	10	-	-	-	-	0.00	-	-	-	-	1540
9	2	11	-	-	-	-	0.00	-	-	-	-	1634
9	2	12	-	-	-	-	0.00	-	-	-	-	1710
9	2	13	-	-	-	-	0.00	-	-	-	-	1777
9	2	14	-	-	-	-	0.00	-	-	-	-	1861
9	2	15	-	-	-	-	0.00	-	-	-	-	1926

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	2	16	-	-	-	-	0.00	-	-	-	-	1987
9	2	17	-	-	-	-	0.00	-	-	-	-	2005
9	2	18	-	-	-	-	0.00	-	-	-	-	1947
9	2	19	-	-	-	-	0.00	-	-	-	-	1840
9	2	20	-	-	-	-	0.00	-	-	-	-	1787
9	2	21	-	-	-	-	0.00	-	-	-	-	1742
9	2	22	-	-	-	-	0.00	-	-	-	-	1633
9	2	23	-	-	-	-	0.00	-	-	-	-	1494
9	2	24	-	-	-	-	0.00	-	-	-	-	1623
9	3	1	-	-	-	-	0.00	-	-	-	-	1253
9	3	2	-	-	-	-	0.00	-	-	-	-	1178
9	3	3	-	-	-	-	0.00	-	-	-	-	1122
9	3	4	-	-	-	-	0.00	-	-	-	-	1086
9	3	5	-	-	-	-	0.00	-	-	-	-	1076
9	3	6	-	-	-	-	0.00	-	-	-	-	1080
9	3	7	-	-	-	-	0.00	-	-	-	-	1110
9	3	8	-	-	-	-	0.00	-	-	-	-	1148
9	3	9	-	-	-	-	0.00	-	-	-	-	1228
9	3	10	-	-	-	-	0.00	-	-	-	-	1307

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	3	11	-	-	-	-	0.00	-	-	-	-	1377
9	3	12	-	-	-	-	0.00	-	-	-	-	1431
9	3	13	-	-	-	-	0.00	-	-	-	-	1480
9	3	14	-	-	-	-	0.00	-	-	-	-	1522
9	3	15	-	-	-	-	0.00	-	-	-	-	1565
9	3	16	-	-	-	-	0.00	-	-	-	-	1587
9	3	17	-	-	-	-	0.00	-	-	-	-	1592
9	3	18	-	-	-	-	0.00	-	-	-	-	1570
9	3	19	-	-	-	-	0.00	-	-	-	-	1530
9	3	20	-	-	-	-	0.00	-	-	-	-	1542
9	3	21	-	-	-	-	0.00	-	-	-	-	1539
9	3	22	-	-	-	-	0.00	-	-	-	-	1470
9	3	23	-	-	-	-	0.00	-	-	-	-	1371
9	3	24	-	-	-	-	0.00	-	-	-	-	1394
9	4	1	-	-	-	-	0.00	-	-	-	-	1165
9	4	2	-	-	-	-	0.00	-	-	-	-	1097
9	4	3	-	-	-	-	0.00	-	-	-	-	1050
9	4	4	-	-	-	-	0.00	-	-	-	-	1021
9	4	5	-	-	-	-	0.00	-	-	-	-	1009

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	4	6	-	-	-	-	0.00	-	-	-	-	1008
9	4	7	-	-	-	-	0.00	-	-	-	-	1028
9	4	8	-	-	-	-	0.00	-	-	-	-	1048
9	4	9	-	-	-	-	0.00	-	-	-	-	1116
9	4	10	-	-	-	-	0.00	-	-	-	-	1184
9	4	11	-	-	-	-	0.00	-	-	-	-	1233
9	4	12	-	-	-	-	0.00	-	-	-	-	1272
9	4	13	-	-	-	-	0.00	-	-	-	-	1309
9	4	14	-	-	-	-	0.00	-	-	-	-	1340
9	4	15	-	-	-	-	0.00	-	-	-	-	1372
9	4	16	-	-	-	-	0.00	-	-	-	-	1397
9	4	17	-	-	-	-	0.00	-	-	-	-	1414
9	4	18	-	-	-	-	0.00	-	-	-	-	1408
9	4	19	-	-	-	-	0.00	-	-	-	-	1392
9	4	20	-	-	-	-	0.00	-	-	-	-	1444
9	4	21	-	-	-	-	0.00	-	-	-	-	1462
9	4	22	-	-	-	-	0.00	-	-	-	-	1403
9	4	23	-	-	-	-	0.00	-	-	-	-	1308
9	4	24	-	-	-	-	0.00	-	-	-	-	1268

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	5	1	-	-	-	-	0.00	-	-	-	-	1106
9	5	2	-	-	-	-	0.00	-	-	-	-	1041
9	5	3	-	-	-	-	0.00	-	-	-	-	1013
9	5	4	-	-	-	-	0.00	-	-	-	-	993
9	5	5	-	-	-	-	0.00	-	-	-	-	989
9	5	6	-	-	-	-	0.00	-	-	-	-	993
9	5	7	-	-	-	-	0.00	-	-	-	-	1015
9	5	8	-	-	-	-	0.00	-	-	-	-	1042
9	5	9	-	-	-	-	0.00	-	-	-	-	1113
9	5	10	-	-	-	-	0.00	-	-	-	-	1195
9	5	11	-	-	-	-	0.00	-	-	-	-	1263
9	5	12	-	-	-	-	0.00	-	-	-	-	1315
9	5	13	-	-	-	-	0.00	-	-	-	-	1357
9	5	14	-	-	-	-	0.00	-	-	-	-	1394
9	5	15	-	-	-	-	0.00	-	-	-	-	1426
9	5	16	-	-	-	-	0.00	-	-	-	-	1456
9	5	17	-	-	-	-	0.00	-	-	-	-	1474
9	5	18	-	-	-	-	0.00	-	-	-	-	1481
9	5	19	-	-	-	-	0.00	-	-	-	-	1471

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	5	20	-	-	-	-	0.00	-	-	-	-	1526
9	5	21	-	-	-	-	0.00	-	-	-	-	1538
9	5	22	-	-	-	-	0.00	-	-	-	-	1452
9	5	23	-	-	-	-	0.00	-	-	-	-	1325
9	5	24	-	-	-	-	0.00	-	-	-	-	1296
9	6	1	-	-	-	-	0.00	-	-	-	-	1094
9	6	2	-	-	-	-	0.00	-	-	-	-	1034
9	6	3	-	-	-	-	0.00	-	-	-	-	999
9	6	4	-	-	-	-	0.00	-	-	-	-	986
9	6	5	-	-	-	-	0.00	-	-	-	-	1012
9	6	6	-	-	-	-	0.00	-	-	-	-	1077
9	6	7	-	-	-	-	0.00	-	-	-	-	1193
9	6	8	-	-	-	-	0.00	-	-	-	-	1275
9	6	9	-	-	-	-	0.00	-	-	-	-	1350
9	6	10	-	-	-	-	0.00	-	-	-	-	1435
9	6	11	-	-	-	-	0.00	-	-	-	-	1514
9	6	12	-	-	-	-	0.00	-	-	-	-	1573
9	6	13	-	-	-	-	0.00	-	-	-	-	1624
9	6	14	-	-	-	-	0.00	-	-	-	-	1685

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	6	15	-	-	-	-	0.00	-	-	-	-	1744
9	6	16	-	-	-	-	0.00	-	-	-	-	1798
9	6	17	-	-	-	-	0.00	-	-	-	-	1822
9	6	18	-	-	-	-	0.00	-	-	-	-	1796
9	6	19	-	-	-	-	0.00	-	-	-	-	1748
9	6	20	-	-	-	-	0.00	-	-	-	-	1766
9	6	21	-	-	-	-	0.00	-	-	-	-	1742
9	6	22	-	-	-	-	0.00	-	-	-	-	1620
9	6	23	-	-	-	-	0.00	-	-	-	-	1455
9	6	24	-	-	-	-	0.00	-	-	-	-	1499
9	7	1	-	-	-	-	0.00	-	-	-	-	1193
9	7	2	-	-	-	-	0.00	-	-	-	-	1122
9	7	3	-	-	-	-	0.00	-	-	-	-	1077
9	7	4	-	-	-	-	0.00	-	-	-	-	1054
9	7	5	-	-	-	-	0.00	-	-	-	-	1060
9	7	6	-	-	-	-	0.00	-	-	-	-	1117
9	7	7	-	-	-	-	0.00	-	-	-	-	1242
9	7	8	-	-	-	-	0.00	-	-	-	-	1320
9	7	9	-	-	-	-	0.00	-	-	-	-	1397

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	7	10	-	-	-	-	0.00	-	-	-	-	1485
9	7	11	-	-	-	-	0.00	-	-	-	-	1569
9	7	12	-	-	-	-	0.00	-	-	-	-	1640
9	7	13	-	-	-	-	0.00	-	-	-	-	1693
9	7	14	-	-	-	-	0.00	-	-	-	-	1762
9	7	15	-	-	-	-	0.00	-	-	-	-	1817
9	7	16	-	-	-	-	0.00	-	-	-	-	1857
9	7	17	-	-	-	-	0.00	-	-	-	-	1873
9	7	18	-	-	-	-	0.00	-	-	-	-	1834
9	7	19	-	-	-	-	0.00	-	-	-	-	1771
9	7	20	-	-	-	-	0.00	-	-	-	-	1773
9	7	21	-	-	-	-	0.00	-	-	-	-	1738
9	7	22	-	-	-	-	0.00	-	-	-	-	1623
9	7	23	-	-	-	-	0.00	-	-	-	-	1461
9	7	24	-	-	-	-	0.00	-	-	-	-	1550
9	8	1	-	-	-	-	0.00	-	-	-	-	1211
9	8	2	-	-	-	-	0.00	-	-	-	-	1141
9	8	3	-	-	-	-	0.00	-	-	-	-	1095
9	8	4	-	-	-	-	0.00	-	-	-	-	1075

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	8	5	-	-	-	-	0.00	-	-	-	-	1089
9	8	6	-	-	-	-	0.00	-	-	-	-	1151
9	8	7	-	-	-	-	0.00	-	-	-	-	1273
9	8	8	-	-	-	-	0.00	-	-	-	-	1349
9	8	9	-	-	-	-	0.00	-	-	-	-	1414
9	8	10	-	-	-	-	0.00	-	-	-	-	1502
9	8	11	-	-	-	-	0.00	-	-	-	-	1588
9	8	12	-	-	-	-	0.00	-	-	-	-	1658
9	8	13	-	-	-	-	0.00	-	-	-	-	1707
9	8	14	-	-	-	-	0.00	-	-	-	-	1770
9	8	15	-	-	-	-	0.00	-	-	-	-	1818
9	8	16	-	-	-	-	0.00	-	-	-	-	1856
9	8	17	-	-	-	-	0.00	-	-	-	-	1863
9	8	18	-	-	-	-	0.00	-	-	-	-	1825
9	8	19	-	-	-	-	0.00	-	-	-	-	1758
9	8	20	-	-	-	-	0.00	-	-	-	-	1767
9	8	21	-	-	-	-	0.00	-	-	-	-	1740
9	8	22	-	-	-	-	0.00	-	-	-	-	1627
9	8	23	-	-	-	-	0.00	-	-	-	-	1468

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	8	24	-	-	-	-	0.00	-	-	-	-	1565
9	9	1	-	-	-	-	0.00	-	-	-	-	1211
9	9	2	-	-	-	-	0.00	-	-	-	-	1140
9	9	3	-	-	-	-	0.00	-	-	-	-	1093
9	9	4	-	-	-	-	0.00	-	-	-	-	1068
9	9	5	-	-	-	-	0.00	-	-	-	-	1079
9	9	6	-	-	-	-	0.00	-	-	-	-	1141
9	9	7	-	-	-	-	0.00	-	-	-	-	1266
9	9	8	-	-	-	-	0.00	-	-	-	-	1359
9	9	9	-	-	-	-	0.00	-	-	-	-	1417
9	9	10	-	-	-	-	0.00	-	-	-	-	1493
9	9	11	-	-	-	-	0.00	-	-	-	-	1570
9	9	12	-	-	-	-	0.00	-	-	-	-	1637
9	9	13	-	-	-	-	0.00	-	-	-	-	1690
9	9	14	-	-	-	-	0.00	-	-	-	-	1767
9	9	15	-	-	-	-	0.00	-	-	-	-	1831
9	9	16	-	-	-	-	0.00	-	-	-	-	1879
9	9	17	-	-	-	-	0.00	-	-	-	-	1888
9	9	18	-	-	-	-	0.00	-	-	-	-	1841

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	9	19	-	-	-	-	0.00	-	-	-	-	1761
9	9	20	-	-	-	-	0.00	-	-	-	-	1750
9	9	21	-	-	-	-	0.00	-	-	-	-	1710
9	9	22	-	-	-	-	0.00	-	-	-	-	1608
9	9	23	-	-	-	-	0.00	-	-	-	-	1473
9	9	24	-	-	-	-	0.00	-	-	-	-	1555
9	10	1	-	-	-	-	0.00	-	-	-	-	1220
9	10	2	-	-	-	-	0.00	-	-	-	-	1141
9	10	3	-	-	-	-	0.00	-	-	-	-	1081
9	10	4	-	-	-	-	0.00	-	-	-	-	1049
9	10	5	-	-	-	-	0.00	-	-	-	-	1042
9	10	6	-	-	-	-	0.00	-	-	-	-	1058
9	10	7	-	-	-	-	0.00	-	-	-	-	1094
9	10	8	-	-	-	-	0.00	-	-	-	-	1140
9	10	9	-	-	-	-	0.00	-	-	-	-	1234
9	10	10	-	-	-	-	0.00	-	-	-	-	1327
9	10	11	-	-	-	-	0.00	-	-	-	-	1413
9	10	12	-	-	-	-	0.00	-	-	-	-	1490
9	10	13	-	-	-	-	0.00	-	-	-	-	1566

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	10	14	-	-	-	-	0.00	-	-	-	-	1647
9	10	15	-	-	-	-	0.00	-	-	-	-	1729
9	10	16	-	-	-	-	0.00	-	-	-	-	1790
9	10	17	-	-	-	-	0.00	-	-	-	-	1813
9	10	18	-	-	-	-	0.00	-	-	-	-	1790
9	10	19	-	-	-	-	0.00	-	-	-	-	1726
9	10	20	-	-	-	-	0.00	-	-	-	-	1707
9	10	21	-	-	-	-	0.00	-	-	-	-	1662
9	10	22	-	-	-	-	0.00	-	-	-	-	1566
9	10	23	-	-	-	-	0.00	-	-	-	-	1445
9	10	24	-	-	-	-	0.00	-	-	-	-	1469
9	11	1	-	-	-	-	0.00	-	-	-	-	1204
9	11	2	-	-	-	-	0.00	-	-	-	-	1123
9	11	3	-	-	-	-	0.00	-	-	-	-	1067
9	11	4	-	-	-	-	0.00	-	-	-	-	1033
9	11	5	-	-	-	-	0.00	-	-	-	-	1018
9	11	6	-	-	-	-	0.00	-	-	-	-	1016
9	11	7	-	-	-	-	0.00	-	-	-	-	1033
9	11	8	-	-	-	-	0.00	-	-	-	-	1057

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	11	9	-	-	-	-	0.00	-	-	-	-	1131
9	11	10	-	-	-	-	0.00	-	-	-	-	1216
9	11	11	-	-	-	-	0.00	-	-	-	-	1304
9	11	12	-	-	-	-	0.00	-	-	-	-	1385
9	11	13	-	-	-	-	0.00	-	-	-	-	1461
9	11	14	-	-	-	-	0.00	-	-	-	-	1537
9	11	15	-	-	-	-	0.00	-	-	-	-	1609
9	11	16	-	-	-	-	0.00	-	-	-	-	1666
9	11	17	-	-	-	-	0.00	-	-	-	-	1688
9	11	18	-	-	-	-	0.00	-	-	-	-	1673
9	11	19	-	-	-	-	0.00	-	-	-	-	1629
9	11	20	-	-	-	-	0.00	-	-	-	-	1646
9	11	21	-	-	-	-	0.00	-	-	-	-	1608
9	11	22	-	-	-	-	0.00	-	-	-	-	1503
9	11	23	-	-	-	-	0.00	-	-	-	-	1366
9	11	24	-	-	-	-	0.00	-	-	-	-	1375
9	12	1	-	-	-	-	0.00	-	-	-	-	1130
9	12	2	-	-	-	-	0.00	-	-	-	-	1067
9	12	3	-	-	-	-	0.00	-	-	-	-	1031

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	12	4	-	-	-	-	0.00	-	-	-	-	1017
9	12	5	-	-	-	-	0.00	-	-	-	-	1039
9	12	6	-	-	-	-	0.00	-	-	-	-	1105
9	12	7	-	-	-	-	0.00	-	-	-	-	1238
9	12	8	-	-	-	-	0.00	-	-	-	-	1342
9	12	9	-	-	-	-	0.00	-	-	-	-	1402
9	12	10	-	-	-	-	0.00	-	-	-	-	1465
9	12	11	-	-	-	-	0.00	-	-	-	-	1513
9	12	12	-	-	-	-	0.00	-	-	-	-	1544
9	12	13	-	-	-	-	0.00	-	-	-	-	1568
9	12	14	-	-	-	-	0.00	-	-	-	-	1604
9	12	15	-	-	-	-	0.00	-	-	-	-	1623
9	12	16	-	-	-	-	0.00	-	-	-	-	1632
9	12	17	-	-	-	-	0.00	-	-	-	-	1625
9	12	18	-	-	-	-	0.00	-	-	-	-	1592
9	12	19	-	-	-	-	0.00	-	-	-	-	1584
9	12	20	-	-	-	-	0.00	-	-	-	-	1647
9	12	21	-	-	-	-	0.00	-	-	-	-	1618
9	12	22	-	-	-	-	0.00	-	-	-	-	1517

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	12	23	-	-	-	-	0.00	-	-	-	-	1373
9	12	24	-	-	-	-	0.00	-	-	-	-	1446
9	13	1	-	-	-	-	0.00	-	-	-	-	1145
9	13	2	-	-	-	-	0.00	-	-	-	-	1088
9	13	3	-	-	-	-	0.00	-	-	-	-	1047
9	13	4	-	-	-	-	0.00	-	-	-	-	1031
9	13	5	-	-	-	-	0.00	-	-	-	-	1046
9	13	6	-	-	-	-	0.00	-	-	-	-	1111
9	13	7	-	-	-	-	0.00	-	-	-	-	1242
9	13	8	-	-	-	-	0.00	-	-	-	-	1325
9	13	9	-	-	-	-	0.00	-	-	-	-	1377
9	13	10	-	-	-	-	0.00	-	-	-	-	1434
9	13	11	-	-	-	-	0.00	-	-	-	-	1485
9	13	12	-	-	-	-	0.00	-	-	-	-	1499
9	13	13	-	-	-	-	0.00	-	-	-	-	1501
9	13	14	-	-	-	-	0.00	-	-	-	-	1506
9	13	15	-	-	-	-	0.00	-	-	-	-	1501
9	13	16	-	-	-	-	0.00	-	-	-	-	1495
9	13	17	-	-	-	-	0.00	-	-	-	-	1484

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	13	18	-	-	-	-	0.00	-	-	-	-	1463
9	13	19	-	-	-	-	0.00	-	-	-	-	1470
9	13	20	-	-	-	-	0.00	-	-	-	-	1557
9	13	21	-	-	-	-	0.00	-	-	-	-	1549
9	13	22	-	-	-	-	0.00	-	-	-	-	1456
9	13	23	-	-	-	-	0.00	-	-	-	-	1316
9	13	24	-	-	-	-	0.00	-	-	-	-	1381
9	14	1	-	-	-	-	0.00	-	-	-	-	1097
9	14	2	-	-	-	-	0.00	-	-	-	-	1035
9	14	3	-	-	-	-	0.00	-	-	-	-	998
9	14	4	-	-	-	-	0.00	-	-	-	-	984
9	14	5	-	-	-	-	0.00	-	-	-	-	1005
9	14	6	-	-	-	-	0.00	-	-	-	-	1068
9	14	7	-	-	-	-	0.00	-	-	-	-	1191
9	14	8	-	-	-	-	0.00	-	-	-	-	1267
9	14	9	-	-	-	-	0.00	-	-	-	-	1316
9	14	10	-	-	-	-	0.00	-	-	-	-	1373
9	14	11	-	-	-	-	0.00	-	-	-	-	1431
9	14	12	-	-	-	-	0.00	-	-	-	-	1468

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	14	13	-	-	-	-	0.00	-	-	-	-	1486
9	14	14	-	-	-	-	0.00	-	-	-	-	1515
9	14	15	-	-	-	-	0.00	-	-	-	-	1535
9	14	16	-	-	-	-	0.00	-	-	-	-	1549
9	14	17	-	-	-	-	0.00	-	-	-	-	1548
9	14	18	-	-	-	-	0.00	-	-	-	-	1521
9	14	19	-	-	-	-	0.00	-	-	-	-	1521
9	14	20	-	-	-	-	0.00	-	-	-	-	1596
9	14	21	-	-	-	-	0.00	-	-	-	-	1576
9	14	22	-	-	-	-	0.00	-	-	-	-	1481
9	14	23	-	-	-	-	0.00	-	-	-	-	1344
9	14	24	-	-	-	-	0.00	-	-	-	-	1374
9	15	1	-	-	-	-	0.00	-	-	-	-	1116
9	15	2	-	-	-	-	0.00	-	-	-	-	1053
9	15	3	-	-	-	-	0.00	-	-	-	-	1014
9	15	4	-	-	-	-	0.00	-	-	-	-	999
9	15	5	-	-	-	-	0.00	-	-	-	-	1014
9	15	6	-	-	-	-	0.00	-	-	-	-	1076
9	15	7	-	-	-	-	0.00	-	-	-	-	1199

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	15	8	-	-	-	-	0.00	-	-	-	-	1269
9	15	9	-	-	-	-	0.00	-	-	-	-	1327
9	15	10	-	-	-	-	0.00	-	-	-	-	1398
9	15	11	-	-	-	-	0.00	-	-	-	-	1465
9	15	12	-	-	-	-	0.00	-	-	-	-	1513
9	15	13	-	-	-	-	0.00	-	-	-	-	1543
9	15	14	-	-	-	-	0.00	-	-	-	-	1587
9	15	15	-	-	-	-	0.00	-	-	-	-	1615
9	15	16	-	-	-	-	0.00	-	-	-	-	1637
9	15	17	-	-	-	-	0.00	-	-	-	-	1639
9	15	18	-	-	-	-	0.00	-	-	-	-	1617
9	15	19	-	-	-	-	0.00	-	-	-	-	1597
9	15	20	-	-	-	-	0.00	-	-	-	-	1650
9	15	21	-	-	-	-	0.00	-	-	-	-	1625
9	15	22	-	-	-	-	0.00	-	-	-	-	1521
9	15	23	-	-	-	-	0.00	-	-	-	-	1376
9	15	24	-	-	-	-	0.00	-	-	-	-	1425
9	16	1	-	-	-	-	0.00	-	-	-	-	1141
9	16	2	-	-	-	-	0.00	-	-	-	-	1075

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	16	3	-	-	-	-	0.00	-	-	-	-	1033
9	16	4	-	-	-	-	0.00	-	-	-	-	1014
9	16	5	-	-	-	-	0.00	-	-	-	-	1028
9	16	6	-	-	-	-	0.00	-	-	-	-	1087
9	16	7	-	-	-	-	0.00	-	-	-	-	1201
9	16	8	-	-	-	-	0.00	-	-	-	-	1276
9	16	9	-	-	-	-	0.00	-	-	-	-	1341
9	16	10	-	-	-	-	0.00	-	-	-	-	1418
9	16	11	-	-	-	-	0.00	-	-	-	-	1490
9	16	12	-	-	-	-	0.00	-	-	-	-	1545
9	16	13	-	-	-	-	0.00	-	-	-	-	1577
9	16	14	-	-	-	-	0.00	-	-	-	-	1624
9	16	15	-	-	-	-	0.00	-	-	-	-	1663
9	16	16	-	-	-	-	0.00	-	-	-	-	1695
9	16	17	-	-	-	-	0.00	-	-	-	-	1702
9	16	18	-	-	-	-	0.00	-	-	-	-	1666
9	16	19	-	-	-	-	0.00	-	-	-	-	1627
9	16	20	-	-	-	-	0.00	-	-	-	-	1658
9	16	21	-	-	-	-	0.00	-	-	-	-	1621

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	16	22	-	-	-	-	0.00	-	-	-	-	1533
9	16	23	-	-	-	-	0.00	-	-	-	-	1411
9	16	24	-	-	-	-	0.00	-	-	-	-	1462
9	17	1	-	-	-	-	0.00	-	-	-	-	1171
9	17	2	-	-	-	-	0.00	-	-	-	-	1097
9	17	3	-	-	-	-	0.00	-	-	-	-	1046
9	17	4	-	-	-	-	0.00	-	-	-	-	1019
9	17	5	-	-	-	-	0.00	-	-	-	-	1013
9	17	6	-	-	-	-	0.00	-	-	-	-	1026
9	17	7	-	-	-	-	0.00	-	-	-	-	1066
9	17	8	-	-	-	-	0.00	-	-	-	-	1106
9	17	9	-	-	-	-	0.00	-	-	-	-	1185
9	17	10	-	-	-	-	0.00	-	-	-	-	1272
9	17	11	-	-	-	-	0.00	-	-	-	-	1348
9	17	12	-	-	-	-	0.00	-	-	-	-	1408
9	17	13	-	-	-	-	0.00	-	-	-	-	1467
9	17	14	-	-	-	-	0.00	-	-	-	-	1528
9	17	15	-	-	-	-	0.00	-	-	-	-	1596
9	17	16	-	-	-	-	0.00	-	-	-	-	1658

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	17	17	-	-	-	-	0.00	-	-	-	-	1695
9	17	18	-	-	-	-	0.00	-	-	-	-	1692
9	17	19	-	-	-	-	0.00	-	-	-	-	1658
9	17	20	-	-	-	-	0.00	-	-	-	-	1670
9	17	21	-	-	-	-	0.00	-	-	-	-	1624
9	17	22	-	-	-	-	0.00	-	-	-	-	1531
9	17	23	-	-	-	-	0.00	-	-	-	-	1413
9	17	24	-	-	-	-	0.00	-	-	-	-	1397
9	18	1	-	-	-	-	0.00	-	-	-	-	1182
9	18	2	-	-	-	-	0.00	-	-	-	-	1099
9	18	3	-	-	-	-	0.00	-	-	-	-	1043
9	18	4	-	-	-	-	0.00	-	-	-	-	1009
9	18	5	-	-	-	-	0.00	-	-	-	-	994
9	18	6	-	-	-	-	0.00	-	-	-	-	992
9	18	7	-	-	-	-	0.00	-	-	-	-	1008
9	18	8	-	-	-	-	0.00	-	-	-	-	1040
9	18	9	-	-	-	-	0.00	-	-	-	-	1120
9	18	10	-	-	-	-	0.00	-	-	-	-	1213
9	18	11	-	-	-	-	0.00	-	-	-	-	1322

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	18	12	-	-	-	-	0.00	-	-	-	-	1442
9	18	13	-	-	-	-	0.00	-	-	-	-	1581
9	18	14	-	-	-	-	0.00	-	-	-	-	1729
9	18	15	-	-	-	-	0.00	-	-	-	-	1866
9	18	16	-	-	-	-	0.00	-	-	-	-	1969
9	18	17	-	-	-	-	0.00	-	-	-	-	2021
9	18	18	-	-	-	-	0.00	-	-	-	-	2021
9	18	19	-	-	-	-	0.00	-	-	-	-	1960
9	18	20	-	-	-	-	0.00	-	-	-	-	1923
9	18	21	-	-	-	-	0.00	-	-	-	-	1837
9	18	22	-	-	-	-	0.00	-	-	-	-	1688
9	18	23	-	-	-	-	0.00	-	-	-	-	1498
9	18	24	-	-	-	-	0.00	-	-	-	-	1502
9	19	1	-	-	-	-	0.00	-	-	-	-	1209
9	19	2	-	-	-	-	0.00	-	-	-	-	1129
9	19	3	-	-	-	-	0.00	-	-	-	-	1080
9	19	4	-	-	-	-	0.00	-	-	-	-	1054
9	19	5	-	-	-	-	0.00	-	-	-	-	1071
9	19	6	-	-	-	-	0.00	-	-	-	-	1140

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	19	7	-	-	-	-	0.00	-	-	-	-	1265
9	19	8	-	-	-	-	0.00	-	-	-	-	1350
9	19	9	-	-	-	-	0.00	-	-	-	-	1438
9	19	10	-	-	-	-	0.00	-	-	-	-	1546
9	19	11	-	-	-	-	0.00	-	-	-	-	1657
9	19	12	-	-	-	-	0.00	-	-	-	-	1761
9	19	13	-	-	-	-	0.00	-	-	-	-	1877
9	19	14	-	-	-	-	0.00	-	-	-	-	1980
9	19	15	-	-	-	-	0.00	-	-	-	-	1953
9	19	16	-	-	-	-	0.00	-	-	-	-	1932
9	19	17	-	-	-	-	0.00	-	-	-	-	1897
9	19	18	-	-	-	-	0.00	-	-	-	-	1847
9	19	19	-	-	-	-	0.00	-	-	-	-	1842
9	19	20	-	-	-	-	0.00	-	-	-	-	1888
9	19	21	-	-	-	-	0.00	-	-	-	-	1840
9	19	22	-	-	-	-	0.00	-	-	-	-	1714
9	19	23	-	-	-	-	0.00	-	-	-	-	1538
9	19	24	-	-	-	-	0.00	-	-	-	-	1697
9	20	1	-	-	-	-	0.00	-	-	-	-	1253

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	20	2	-	-	-	-	0.00	-	-	-	-	1175
9	20	3	-	-	-	-	0.00	-	-	-	-	1125
9	20	4	-	-	-	-	0.00	-	-	-	-	1102
9	20	5	-	-	-	-	0.00	-	-	-	-	1118
9	20	6	-	-	-	-	0.00	-	-	-	-	1182
9	20	7	-	-	-	-	0.00	-	-	-	-	1320
9	20	8	-	-	-	-	0.00	-	-	-	-	1407
9	20	9	-	-	-	-	0.00	-	-	-	-	1499
9	20	10	-	-	-	-	0.00	-	-	-	-	1633
9	20	11	-	-	-	-	0.00	-	-	-	-	1783
9	20	12	-	-	-	-	0.00	-	-	-	-	1897
9	20	13	-	-	-	-	0.00	-	-	-	-	1976
9	20	14	-	-	-	-	0.00	-	-	-	-	2029
9	20	15	-	-	-	-	0.00	-	-	-	-	2068
9	20	16	-	-	-	-	0.00	-	-	-	-	2089
9	20	17	-	-	-	-	0.00	-	-	-	-	2089
9	20	18	-	-	-	-	0.00	-	-	-	-	2039
9	20	19	-	-	-	-	0.00	-	-	-	-	1990
9	20	20	-	-	-	-	0.00	-	-	-	-	2020

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	20	21	-	-	-	-	0.00	-	-	-	-	1966
9	20	22	-	-	-	-	0.00	-	-	-	-	1834
9	20	23	-	-	-	-	0.00	-	-	-	-	1649
9	20	24	-	-	-	-	0.00	-	-	-	-	1803
9	21	1	-	-	-	-	0.00	-	-	-	-	1331
9	21	2	-	-	-	-	0.00	-	-	-	-	1243
9	21	3	-	-	-	-	0.00	-	-	-	-	1185
9	21	4	-	-	-	-	0.00	-	-	-	-	1158
9	21	5	-	-	-	-	0.00	-	-	-	-	1168
9	21	6	-	-	-	-	0.00	-	-	-	-	1217
9	21	7	-	-	-	-	0.00	-	-	-	-	1350
9	21	8	-	-	-	-	0.00	-	-	-	-	1437
9	21	9	-	-	-	-	0.00	-	-	-	-	1542
9	21	10	-	-	-	-	0.00	-	-	-	-	1666
9	21	11	-	-	-	-	0.00	-	-	-	-	1791
9	21	12	-	-	-	-	0.00	-	-	-	-	1895
9	21	13	-	-	-	-	0.00	-	-	-	-	1968
9	21	14	-	-	-	-	0.00	-	-	-	-	2046
9	21	15	-	-	-	-	0.00	-	-	-	-	2102

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	21	16	-	-	-	-	0.00	-	-	-	-	2138
9	21	17	-	-	-	-	0.00	-	-	-	-	2135
9	21	18	-	-	-	-	0.00	-	-	-	-	2073
9	21	19	-	-	-	-	0.00	-	-	-	-	1974
9	21	20	-	-	-	-	0.00	-	-	-	-	1967
9	21	21	-	-	-	-	0.00	-	-	-	-	1887
9	21	22	-	-	-	-	0.00	-	-	-	-	1743
9	21	23	-	-	-	-	0.00	-	-	-	-	1556
9	21	24	-	-	-	-	0.00	-	-	-	-	1756
9	22	1	-	-	-	-	0.00	-	-	-	-	1259
9	22	2	-	-	-	-	0.00	-	-	-	-	1170
9	22	3	-	-	-	-	0.00	-	-	-	-	1118
9	22	4	-	-	-	-	0.00	-	-	-	-	1093
9	22	5	-	-	-	-	0.00	-	-	-	-	1104
9	22	6	-	-	-	-	0.00	-	-	-	-	1166
9	22	7	-	-	-	-	0.00	-	-	-	-	1300
9	22	8	-	-	-	-	0.00	-	-	-	-	1384
9	22	9	-	-	-	-	0.00	-	-	-	-	1444
9	22	10	-	-	-	-	0.00	-	-	-	-	1518

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	22	11	-	-	-	-	0.00	-	-	-	-	1580
9	22	12	-	-	-	-	0.00	-	-	-	-	1632
9	22	13	-	-	-	-	0.00	-	-	-	-	1655
9	22	14	-	-	-	-	0.00	-	-	-	-	1686
9	22	15	-	-	-	-	0.00	-	-	-	-	1699
9	22	16	-	-	-	-	0.00	-	-	-	-	1715
9	22	17	-	-	-	-	0.00	-	-	-	-	1713
9	22	18	-	-	-	-	0.00	-	-	-	-	1680
9	22	19	-	-	-	-	0.00	-	-	-	-	1650
9	22	20	-	-	-	-	0.00	-	-	-	-	1697
9	22	21	-	-	-	-	0.00	-	-	-	-	1650
9	22	22	-	-	-	-	0.00	-	-	-	-	1544
9	22	23	-	-	-	-	0.00	-	-	-	-	1394
9	22	24	-	-	-	-	0.00	-	-	-	-	1494
9	23	1	-	-	-	-	0.00	-	-	-	-	1153
9	23	2	-	-	-	-	0.00	-	-	-	-	1069
9	23	3	-	-	-	-	0.00	-	-	-	-	1004
9	23	4	-	-	-	-	0.00	-	-	-	-	987
9	23	5	-	-	-	-	0.00	-	-	-	-	1011

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	23	6	-	-	-	-	0.00	-	-	-	-	1093
9	23	7	-	-	-	-	0.00	-	-	-	-	1213
9	23	8	-	-	-	-	0.00	-	-	-	-	1284
9	23	9	-	-	-	-	0.00	-	-	-	-	1349
9	23	10	-	-	-	-	0.00	-	-	-	-	1422
9	23	11	-	-	-	-	0.00	-	-	-	-	1487
9	23	12	-	-	-	-	0.00	-	-	-	-	1534
9	23	13	-	-	-	-	0.00	-	-	-	-	1562
9	23	14	-	-	-	-	0.00	-	-	-	-	1599
9	23	15	-	-	-	-	0.00	-	-	-	-	1628
9	23	16	-	-	-	-	0.00	-	-	-	-	1658
9	23	17	-	-	-	-	0.00	-	-	-	-	1665
9	23	18	-	-	-	-	0.00	-	-	-	-	1640
9	23	19	-	-	-	-	0.00	-	-	-	-	1618
9	23	20	-	-	-	-	0.00	-	-	-	-	1656
9	23	21	-	-	-	-	0.00	-	-	-	-	1614
9	23	22	-	-	-	-	0.00	-	-	-	-	1522
9	23	23	-	-	-	-	0.00	-	-	-	-	1400
9	23	24	-	-	-	-	0.00	-	-	-	-	1445

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	24	1	-	-	-	-	0.00	-	-	-	-	1168
9	24	2	-	-	-	-	0.00	-	-	-	-	1097
9	24	3	-	-	-	-	0.00	-	-	-	-	1044
9	24	4	-	-	-	-	0.00	-	-	-	-	1016
9	24	5	-	-	-	-	0.00	-	-	-	-	1010
9	24	6	-	-	-	-	0.00	-	-	-	-	1031
9	24	7	-	-	-	-	0.00	-	-	-	-	1073
9	24	8	-	-	-	-	0.00	-	-	-	-	1110
9	24	9	-	-	-	-	0.00	-	-	-	-	1192
9	24	10	-	-	-	-	0.00	-	-	-	-	1288
9	24	11	-	-	-	-	0.00	-	-	-	-	1375
9	24	12	-	-	-	-	0.00	-	-	-	-	1448
9	24	13	-	-	-	-	0.00	-	-	-	-	1527
9	24	14	-	-	-	-	0.00	-	-	-	-	1606
9	24	15	-	-	-	-	0.00	-	-	-	-	1690
9	24	16	-	-	-	-	0.00	-	-	-	-	1761
9	24	17	-	-	-	-	0.00	-	-	-	-	1795
9	24	18	-	-	-	-	0.00	-	-	-	-	1776
9	24	19	-	-	-	-	0.00	-	-	-	-	1723

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	24	20	-	-	-	-	0.00	-	-	-	-	1714
9	24	21	-	-	-	-	0.00	-	-	-	-	1643
9	24	22	-	-	-	-	0.00	-	-	-	-	1540
9	24	23	-	-	-	-	0.00	-	-	-	-	1417
9	24	24	-	-	-	-	0.00	-	-	-	-	1446
9	25	1	-	-	-	-	0.00	-	-	-	-	1186
9	25	2	-	-	-	-	0.00	-	-	-	-	1106
9	25	3	-	-	-	-	0.00	-	-	-	-	1050
9	25	4	-	-	-	-	0.00	-	-	-	-	1015
9	25	5	-	-	-	-	0.00	-	-	-	-	1003
9	25	6	-	-	-	-	0.00	-	-	-	-	1002
9	25	7	-	-	-	-	0.00	-	-	-	-	1025
9	25	8	-	-	-	-	0.00	-	-	-	-	1052
9	25	9	-	-	-	-	0.00	-	-	-	-	1143
9	25	10	-	-	-	-	0.00	-	-	-	-	1259
9	25	11	-	-	-	-	0.00	-	-	-	-	1393
9	25	12	-	-	-	-	0.00	-	-	-	-	1526
9	25	13	-	-	-	-	0.00	-	-	-	-	1660
9	25	14	-	-	-	-	0.00	-	-	-	-	1799

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	25	15	-	-	-	-	0.00	-	-	-	-	1936
9	25	16	-	-	-	-	0.00	-	-	-	-	2046
9	25	17	-	-	-	-	0.00	-	-	-	-	2102
9	25	18	-	-	-	-	0.00	-	-	-	-	2100
9	25	19	-	-	-	-	0.00	-	-	-	-	2055
9	25	20	-	-	-	-	0.00	-	-	-	-	2037
9	25	21	-	-	-	-	0.00	-	-	-	-	1939
9	25	22	-	-	-	-	0.00	-	-	-	-	1780
9	25	23	-	-	-	-	0.00	-	-	-	-	1582
9	25	24	-	-	-	-	0.00	-	-	-	-	1583
9	26	1	-	-	-	-	0.00	-	-	-	-	1272
9	26	2	-	-	-	-	0.00	-	-	-	-	1182
9	26	3	-	-	-	-	0.00	-	-	-	-	1127
9	26	4	-	-	-	-	0.00	-	-	-	-	1100
9	26	5	-	-	-	-	0.00	-	-	-	-	1115
9	26	6	-	-	-	-	0.00	-	-	-	-	1182
9	26	7	-	-	-	-	0.00	-	-	-	-	1312
9	26	8	-	-	-	-	0.00	-	-	-	-	1404
9	26	9	-	-	-	-	0.00	-	-	-	-	1528

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	26	10	-	-	-	-	0.00	-	-	-	-	1695
9	26	11	-	-	-	-	0.00	-	-	-	-	1877
9	26	12	-	-	-	-	0.00	-	-	-	-	2060
9	26	13	-	-	-	-	0.00	-	-	-	-	2231
9	26	14	-	-	-	-	0.00	-	-	-	-	2407
9	26	15	-	-	-	-	0.00	-	-	-	-	2538
9	26	16	-	-	-	-	0.00	-	-	-	-	2637
9	26	17	-	-	-	-	0.00	-	-	-	-	2668
9	26	18	-	-	-	-	0.00	-	-	-	-	2614
9	26	19	-	-	-	-	0.00	-	-	-	-	2503
9	26	20	-	-	-	-	0.00	-	-	-	-	2431
9	26	21	-	-	-	-	0.00	-	-	-	-	2296
9	26	22	-	-	-	-	0.00	-	-	-	-	2075
9	26	23	-	-	-	-	0.00	-	-	-	-	1817
9	26	24	-	-	-	-	0.00	-	-	-	-	2015
9	27	1	-	-	-	-	0.00	-	-	-	-	1426
9	27	2	-	-	-	-	0.00	-	-	-	-	1316
9	27	3	-	-	-	-	0.00	-	-	-	-	1244
9	27	4	-	-	-	-	0.00	-	-	-	-	1202

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	27	5	-	-	-	-	0.00	-	-	-	-	1209
9	27	6	-	-	-	-	0.00	-	-	-	-	1264
9	27	7	-	-	-	-	0.00	-	-	-	-	1396
9	27	8	-	-	-	-	0.00	-	-	-	-	1481
9	27	9	-	-	-	-	0.00	-	-	-	-	1597
9	27	10	-	-	-	-	0.00	-	-	-	-	1754
9	27	11	-	-	-	-	0.00	-	-	-	-	1923
9	27	12	-	-	-	-	0.00	-	-	-	-	2075
9	27	13	-	-	-	-	0.00	-	-	-	-	2214
9	27	14	-	-	-	-	0.00	-	-	-	-	2338
9	27	15	-	-	-	-	0.00	-	-	-	-	2411
9	27	16	-	-	-	-	0.00	-	-	-	-	2459
9	27	17	-	-	-	-	0.00	-	-	-	-	2438
9	27	18	-	-	-	-	0.00	-	-	-	-	2339
9	27	19	-	-	-	-	0.00	-	-	-	-	2252
9	27	20	-	-	-	-	0.00	-	-	-	-	2229
9	27	21	-	-	-	-	0.00	-	-	-	-	2126
9	27	22	-	-	-	-	0.00	-	-	-	-	1967
9	27	23	-	-	-	-	0.00	-	-	-	-	1751

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	27	24	-	-	-	-	0.00	-	-	-	-	1995
9	28	1	-	-	-	-	0.00	-	-	-	-	1409
9	28	2	-	-	-	-	0.00	-	-	-	-	1311
9	28	3	-	-	-	-	0.00	-	-	-	-	1247
9	28	4	-	-	-	-	0.00	-	-	-	-	1215
9	28	5	-	-	-	-	0.00	-	-	-	-	1225
9	28	6	-	-	-	-	0.00	-	-	-	-	1272
9	28	7	-	-	-	-	0.00	-	-	-	-	1391
9	28	8	-	-	-	-	0.00	-	-	-	-	1471
9	28	9	-	-	-	-	0.00	-	-	-	-	1576
9	28	10	-	-	-	-	0.00	-	-	-	-	1703
9	28	11	-	-	-	-	0.00	-	-	-	-	1833
9	28	12	-	-	-	-	0.00	-	-	-	-	1957
9	28	13	-	-	-	-	0.00	-	-	-	-	2066
9	28	14	-	-	-	-	0.00	-	-	-	-	2188
9	28	15	-	-	-	-	0.00	-	-	-	-	2283
9	28	16	-	-	-	-	0.00	-	-	-	-	2350
9	28	17	-	-	-	-	0.00	-	-	-	-	2353
9	28	18	-	-	-	-	0.00	-	-	-	-	2273

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	28	19	-	-	-	-	0.00	-	-	-	-	2197
9	28	20	-	-	-	-	0.00	-	-	-	-	2208
9	28	21	-	-	-	-	0.00	-	-	-	-	2116
9	28	22	-	-	-	-	0.00	-	-	-	-	1953
9	28	23	-	-	-	-	0.00	-	-	-	-	1742
9	28	24	-	-	-	-	0.00	-	-	-	-	1875
9	29	1	-	-	-	-	0.00	-	-	-	-	1389
9	29	2	-	-	-	-	0.00	-	-	-	-	1290
9	29	3	-	-	-	-	0.00	-	-	-	-	1222
9	29	4	-	-	-	-	0.00	-	-	-	-	1186
9	29	5	-	-	-	-	0.00	-	-	-	-	1193
9	29	6	-	-	-	-	0.00	-	-	-	-	1250
9	29	7	-	-	-	-	0.00	-	-	-	-	1373
9	29	8	-	-	-	-	0.00	-	-	-	-	1452
9	29	9	-	-	-	-	0.00	-	-	-	-	1549
9	29	10	-	-	-	-	0.00	-	-	-	-	1681
9	29	11	-	-	-	-	0.00	-	-	-	-	1831
9	29	12	-	-	-	-	0.00	-	-	-	-	1967
9	29	13	-	-	-	-	0.00	-	-	-	-	2086

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	29	14	-	-	-	-	0.00	-	-	-	-	2201
9	29	15	-	-	-	-	0.00	-	-	-	-	2287
9	29	16	-	-	-	-	0.00	-	-	-	-	2347
9	29	17	-	-	-	-	0.00	-	-	-	-	2351
9	29	18	-	-	-	-	0.00	-	-	-	-	2281
9	29	19	-	-	-	-	0.00	-	-	-	-	2179
9	29	20	-	-	-	-	0.00	-	-	-	-	2147
9	29	21	-	-	-	-	0.00	-	-	-	-	2042
9	29	22	-	-	-	-	0.00	-	-	-	-	1882
9	29	23	-	-	-	-	0.00	-	-	-	-	1675
9	29	24	-	-	-	-	0.00	-	-	-	-	1876
9	30	1	-	-	-	-	0.00	-	-	-	-	1294
9	30	2	-	-	-	-	0.00	-	-	-	-	1199
9	30	3	-	-	-	-	0.00	-	-	-	-	1140
9	30	4	-	-	-	-	0.00	-	-	-	-	1107
9	30	5	-	-	-	-	0.00	-	-	-	-	1114
9	30	6	-	-	-	-	0.00	-	-	-	-	1168
9	30	7	-	-	-	-	0.00	-	-	-	-	1282
9	30	8	-	-	-	-	0.00	-	-	-	-	1347

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
9	30	9	-	-	-	-	0.00	-	-	-	-	1433
9	30	10	-	-	-	-	0.00	-	-	-	-	1548
9	30	11	-	-	-	-	0.00	-	-	-	-	1664
9	30	12	-	-	-	-	0.00	-	-	-	-	1769
9	30	13	-	-	-	-	0.00	-	-	-	-	1866
9	30	14	-	-	-	-	0.00	-	-	-	-	1975
9	30	15	-	-	-	-	0.00	-	-	-	-	2048
9	30	16	-	-	-	-	0.00	-	-	-	-	2089
9	30	17	-	-	-	-	0.00	-	-	-	-	2081
9	30	18	-	-	-	-	0.00	-	-	-	-	2004
9	30	19	-	-	-	-	0.00	-	-	-	-	1907
9	30	20	-	-	-	-	0.00	-	-	-	-	1877
9	30	21	-	-	-	-	0.00	-	-	-	-	1778
9	30	22	-	-	-	-	0.00	-	-	-	-	1657
9	30	23	-	-	-	-	0.00	-	-	-	-	1516
9	30	24	-	-	-	-	0.00	-	-	-	-	1671
10	1	1	-	-	-	-	0.00	-	-	-	-	1288
10	1	2	-	-	-	-	0.00	-	-	-	-	1195
10	1	3	-	-	-	-	0.00	-	-	-	-	1130

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	1	4	-	-	-	-	0.00	-	-	-	-	1092
10	1	5	-	-	-	-	0.00	-	-	-	-	1083
10	1	6	-	-	-	-	0.00	-	-	-	-	1092
10	1	7	-	-	-	-	0.00	-	-	-	-	1129
10	1	8	-	-	-	-	0.00	-	-	-	-	1163
10	1	9	-	-	-	-	0.00	-	-	-	-	1254
10	1	10	-	-	-	-	0.00	-	-	-	-	1358
10	1	11	-	-	-	-	0.00	-	-	-	-	1453
10	1	12	-	-	-	-	0.00	-	-	-	-	1539
10	1	13	-	-	-	-	0.00	-	-	-	-	1627
10	1	14	-	-	-	-	0.00	-	-	-	-	1716
10	1	15	-	-	-	-	0.00	-	-	-	-	1791
10	1	16	-	-	-	-	0.00	-	-	-	-	1839
10	1	17	-	-	-	-	0.00	-	-	-	-	1847
10	1	18	-	-	-	-	0.00	-	-	-	-	1800
10	1	19	-	-	-	-	0.00	-	-	-	-	1732
10	1	20	-	-	-	-	0.00	-	-	-	-	1713
10	1	21	-	-	-	-	0.00	-	-	-	-	1636
10	1	22	-	-	-	-	0.00	-	-	-	-	1545

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	1	23	-	-	-	-	0.00	-	-	-	-	1417
10	1	24	-	-	-	-	0.00	-	-	-	-	1490
10	2	1	-	-	-	-	0.00	-	-	-	-	1180
10	2	2	-	-	-	-	0.00	-	-	-	-	1097
10	2	3	-	-	-	-	0.00	-	-	-	-	1042
10	2	4	-	-	-	-	0.00	-	-	-	-	1017
10	2	5	-	-	-	-	0.00	-	-	-	-	1003
10	2	6	-	-	-	-	0.00	-	-	-	-	1007
10	2	7	-	-	-	-	0.00	-	-	-	-	1029
10	2	8	-	-	-	-	0.00	-	-	-	-	1049
10	2	9	-	-	-	-	0.00	-	-	-	-	1111
10	2	10	-	-	-	-	0.00	-	-	-	-	1184
10	2	11	-	-	-	-	0.00	-	-	-	-	1257
10	2	12	-	-	-	-	0.00	-	-	-	-	1315
10	2	13	-	-	-	-	0.00	-	-	-	-	1359
10	2	14	-	-	-	-	0.00	-	-	-	-	1399
10	2	15	-	-	-	-	0.00	-	-	-	-	1435
10	2	16	-	-	-	-	0.00	-	-	-	-	1465
10	2	17	-	-	-	-	0.00	-	-	-	-	1473

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	2	18	-	-	-	-	0.00	-	-	-	-	1462
10	2	19	-	-	-	-	0.00	-	-	-	-	1479
10	2	20	-	-	-	-	0.00	-	-	-	-	1526
10	2	21	-	-	-	-	0.00	-	-	-	-	1487
10	2	22	-	-	-	-	0.00	-	-	-	-	1403
10	2	23	-	-	-	-	0.00	-	-	-	-	1283
10	2	24	-	-	-	-	0.00	-	-	-	-	1283
10	3	1	-	-	-	-	0.00	-	-	-	-	1077
10	3	2	-	-	-	-	0.00	-	-	-	-	1020
10	3	3	-	-	-	-	0.00	-	-	-	-	990
10	3	4	-	-	-	-	0.00	-	-	-	-	977
10	3	5	-	-	-	-	0.00	-	-	-	-	1004
10	3	6	-	-	-	-	0.00	-	-	-	-	1070
10	3	7	-	-	-	-	0.00	-	-	-	-	1179
10	3	8	-	-	-	-	0.00	-	-	-	-	1250
10	3	9	-	-	-	-	0.00	-	-	-	-	1316
10	3	10	-	-	-	-	0.00	-	-	-	-	1386
10	3	11	-	-	-	-	0.00	-	-	-	-	1441
10	3	12	-	-	-	-	0.00	-	-	-	-	1479

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	3	13	-	-	-	-	0.00	-	-	-	-	1496
10	3	14	-	-	-	-	0.00	-	-	-	-	1517
10	3	15	-	-	-	-	0.00	-	-	-	-	1530
10	3	16	-	-	-	-	0.00	-	-	-	-	1540
10	3	17	-	-	-	-	0.00	-	-	-	-	1536
10	3	18	-	-	-	-	0.00	-	-	-	-	1523
10	3	19	-	-	-	-	0.00	-	-	-	-	1557
10	3	20	-	-	-	-	0.00	-	-	-	-	1616
10	3	21	-	-	-	-	0.00	-	-	-	-	1567
10	3	22	-	-	-	-	0.00	-	-	-	-	1465
10	3	23	-	-	-	-	0.00	-	-	-	-	1327
10	3	24	-	-	-	-	0.00	-	-	-	-	1379
10	4	1	-	-	-	-	0.00	-	-	-	-	1102
10	4	2	-	-	-	-	0.00	-	-	-	-	1043
10	4	3	-	-	-	-	0.00	-	-	-	-	1004
10	4	4	-	-	-	-	0.00	-	-	-	-	990
10	4	5	-	-	-	-	0.00	-	-	-	-	1009
10	4	6	-	-	-	-	0.00	-	-	-	-	1078
10	4	7	-	-	-	-	0.00	-	-	-	-	1205

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	4	8	-	-	-	-	0.00	-	-	-	-	1278
10	4	9	-	-	-	-	0.00	-	-	-	-	1331
10	4	10	-	-	-	-	0.00	-	-	-	-	1398
10	4	11	-	-	-	-	0.00	-	-	-	-	1457
10	4	12	-	-	-	-	0.00	-	-	-	-	1495
10	4	13	-	-	-	-	0.00	-	-	-	-	1522
10	4	14	-	-	-	-	0.00	-	-	-	-	1551
10	4	15	-	-	-	-	0.00	-	-	-	-	1563
10	4	16	-	-	-	-	0.00	-	-	-	-	1573
10	4	17	-	-	-	-	0.00	-	-	-	-	1566
10	4	18	-	-	-	-	0.00	-	-	-	-	1549
10	4	19	-	-	-	-	0.00	-	-	-	-	1575
10	4	20	-	-	-	-	0.00	-	-	-	-	1628
10	4	21	-	-	-	-	0.00	-	-	-	-	1579
10	4	22	-	-	-	-	0.00	-	-	-	-	1477
10	4	23	-	-	-	-	0.00	-	-	-	-	1334
10	4	24	-	-	-	-	0.00	-	-	-	-	1395
10	5	1	-	-	-	-	0.00	-	-	-	-	1109
10	5	2	-	-	-	-	0.00	-	-	-	-	1052

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	5	3	-	-	-	-	0.00	-	-	-	-	1015
10	5	4	-	-	-	-	0.00	-	-	-	-	1002
10	5	5	-	-	-	-	0.00	-	-	-	-	1019
10	5	6	-	-	-	-	0.00	-	-	-	-	1086
10	5	7	-	-	-	-	0.00	-	-	-	-	1209
10	5	8	-	-	-	-	0.00	-	-	-	-	1284
10	5	9	-	-	-	-	0.00	-	-	-	-	1326
10	5	10	-	-	-	-	0.00	-	-	-	-	1390
10	5	11	-	-	-	-	0.00	-	-	-	-	1448
10	5	12	-	-	-	-	0.00	-	-	-	-	1483
10	5	13	-	-	-	-	0.00	-	-	-	-	1508
10	5	14	-	-	-	-	0.00	-	-	-	-	1531
10	5	15	-	-	-	-	0.00	-	-	-	-	1553
10	5	16	-	-	-	-	0.00	-	-	-	-	1567
10	5	17	-	-	-	-	0.00	-	-	-	-	1553
10	5	18	-	-	-	-	0.00	-	-	-	-	1533
10	5	19	-	-	-	-	0.00	-	-	-	-	1561
10	5	20	-	-	-	-	0.00	-	-	-	-	1605
10	5	21	-	-	-	-	0.00	-	-	-	-	1556

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	5	22	-	-	-	-	0.00	-	-	-	-	1460
10	5	23	-	-	-	-	0.00	-	-	-	-	1319
10	5	24	-	-	-	-	0.00	-	-	-	-	1391
10	6	1	-	-	-	-	0.00	-	-	-	-	1096
10	6	2	-	-	-	-	0.00	-	-	-	-	1038
10	6	3	-	-	-	-	0.00	-	-	-	-	1001
10	6	4	-	-	-	-	0.00	-	-	-	-	992
10	6	5	-	-	-	-	0.00	-	-	-	-	1014
10	6	6	-	-	-	-	0.00	-	-	-	-	1079
10	6	7	-	-	-	-	0.00	-	-	-	-	1205
10	6	8	-	-	-	-	0.00	-	-	-	-	1275
10	6	9	-	-	-	-	0.00	-	-	-	-	1320
10	6	10	-	-	-	-	0.00	-	-	-	-	1386
10	6	11	-	-	-	-	0.00	-	-	-	-	1447
10	6	12	-	-	-	-	0.00	-	-	-	-	1492
10	6	13	-	-	-	-	0.00	-	-	-	-	1526
10	6	14	-	-	-	-	0.00	-	-	-	-	1576
10	6	15	-	-	-	-	0.00	-	-	-	-	1616
10	6	16	-	-	-	-	0.00	-	-	-	-	1654

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	6	17	-	-	-	-	0.00	-	-	-	-	1670
10	6	18	-	-	-	-	0.00	-	-	-	-	1651
10	6	19	-	-	-	-	0.00	-	-	-	-	1652
10	6	20	-	-	-	-	0.00	-	-	-	-	1678
10	6	21	-	-	-	-	0.00	-	-	-	-	1612
10	6	22	-	-	-	-	0.00	-	-	-	-	1504
10	6	23	-	-	-	-	0.00	-	-	-	-	1360
10	6	24	-	-	-	-	0.00	-	-	-	-	1405
10	7	1	-	-	-	-	0.00	-	-	-	-	1122
10	7	2	-	-	-	-	0.00	-	-	-	-	1061
10	7	3	-	-	-	-	0.00	-	-	-	-	1022
10	7	4	-	-	-	-	0.00	-	-	-	-	1007
10	7	5	-	-	-	-	0.00	-	-	-	-	1027
10	7	6	-	-	-	-	0.00	-	-	-	-	1091
10	7	7	-	-	-	-	0.00	-	-	-	-	1213
10	7	8	-	-	-	-	0.00	-	-	-	-	1283
10	7	9	-	-	-	-	0.00	-	-	-	-	1341
10	7	10	-	-	-	-	0.00	-	-	-	-	1422
10	7	11	-	-	-	-	0.00	-	-	-	-	1509

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	7	12	-	-	-	-	0.00	-	-	-	-	1574
10	7	13	-	-	-	-	0.00	-	-	-	-	1632
10	7	14	-	-	-	-	0.00	-	-	-	-	1701
10	7	15	-	-	-	-	0.00	-	-	-	-	1774
10	7	16	-	-	-	-	0.00	-	-	-	-	1832
10	7	17	-	-	-	-	0.00	-	-	-	-	1852
10	7	18	-	-	-	-	0.00	-	-	-	-	1802
10	7	19	-	-	-	-	0.00	-	-	-	-	1753
10	7	20	-	-	-	-	0.00	-	-	-	-	1737
10	7	21	-	-	-	-	0.00	-	-	-	-	1656
10	7	22	-	-	-	-	0.00	-	-	-	-	1558
10	7	23	-	-	-	-	0.00	-	-	-	-	1428
10	7	24	-	-	-	-	0.00	-	-	-	-	1507
10	8	1	-	-	-	-	0.00	-	-	-	-	1176
10	8	2	-	-	-	-	0.00	-	-	-	-	1099
10	8	3	-	-	-	-	0.00	-	-	-	-	1047
10	8	4	-	-	-	-	0.00	-	-	-	-	1021
10	8	5	-	-	-	-	0.00	-	-	-	-	1013
10	8	6	-	-	-	-	0.00	-	-	-	-	1030

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	8	7	-	-	-	-	0.00	-	-	-	-	1072
10	8	8	-	-	-	-	0.00	-	-	-	-	1108
10	8	9	-	-	-	-	0.00	-	-	-	-	1187
10	8	10	-	-	-	-	0.00	-	-	-	-	1279
10	8	11	-	-	-	-	0.00	-	-	-	-	1364
10	8	12	-	-	-	-	0.00	-	-	-	-	1441
10	8	13	-	-	-	-	0.00	-	-	-	-	1525
10	8	14	-	-	-	-	0.00	-	-	-	-	1607
10	8	15	-	-	-	-	0.00	-	-	-	-	1691
10	8	16	-	-	-	-	0.00	-	-	-	-	1749
10	8	17	-	-	-	-	0.00	-	-	-	-	1756
10	8	18	-	-	-	-	0.00	-	-	-	-	1717
10	8	19	-	-	-	-	0.00	-	-	-	-	1671
10	8	20	-	-	-	-	0.00	-	-	-	-	1644
10	8	21	-	-	-	-	0.00	-	-	-	-	1564
10	8	22	-	-	-	-	0.00	-	-	-	-	1470
10	8	23	-	-	-	-	0.00	-	-	-	-	1351
10	8	24	-	-	-	-	0.00	-	-	-	-	1420
10	9	1	-	-	-	-	0.00	-	-	-	-	1131

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	9	2	-	-	-	-	0.00	-	-	-	-	1054
10	9	3	-	-	-	-	0.00	-	-	-	-	1006
10	9	4	-	-	-	-	0.00	-	-	-	-	979
10	9	5	-	-	-	-	0.00	-	-	-	-	967
10	9	6	-	-	-	-	0.00	-	-	-	-	972
10	9	7	-	-	-	-	0.00	-	-	-	-	996
10	9	8	-	-	-	-	0.00	-	-	-	-	1017
10	9	9	-	-	-	-	0.00	-	-	-	-	1081
10	9	10	-	-	-	-	0.00	-	-	-	-	1162
10	9	11	-	-	-	-	0.00	-	-	-	-	1245
10	9	12	-	-	-	-	0.00	-	-	-	-	1326
10	9	13	-	-	-	-	0.00	-	-	-	-	1409
10	9	14	-	-	-	-	0.00	-	-	-	-	1504
10	9	15	-	-	-	-	0.00	-	-	-	-	1605
10	9	16	-	-	-	-	0.00	-	-	-	-	1674
10	9	17	-	-	-	-	0.00	-	-	-	-	1690
10	9	18	-	-	-	-	0.00	-	-	-	-	1660
10	9	19	-	-	-	-	0.00	-	-	-	-	1658
10	9	20	-	-	-	-	0.00	-	-	-	-	1662

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	9	21	-	-	-	-	0.00	-	-	-	-	1613
10	9	22	-	-	-	-	0.00	-	-	-	-	1509
10	9	23	-	-	-	-	0.00	-	-	-	-	1363
10	9	24	-	-	-	-	0.00	-	-	-	-	1339
10	10	1	-	-	-	-	0.00	-	-	-	-	1114
10	10	2	-	-	-	-	0.00	-	-	-	-	1047
10	10	3	-	-	-	-	0.00	-	-	-	-	1008
10	10	4	-	-	-	-	0.00	-	-	-	-	996
10	10	5	-	-	-	-	0.00	-	-	-	-	1014
10	10	6	-	-	-	-	0.00	-	-	-	-	1081
10	10	7	-	-	-	-	0.00	-	-	-	-	1199
10	10	8	-	-	-	-	0.00	-	-	-	-	1277
10	10	9	-	-	-	-	0.00	-	-	-	-	1347
10	10	10	-	-	-	-	0.00	-	-	-	-	1429
10	10	11	-	-	-	-	0.00	-	-	-	-	1513
10	10	12	-	-	-	-	0.00	-	-	-	-	1585
10	10	13	-	-	-	-	0.00	-	-	-	-	1643
10	10	14	-	-	-	-	0.00	-	-	-	-	1717
10	10	15	-	-	-	-	0.00	-	-	-	-	1775

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	10	16	-	-	-	-	0.00	-	-	-	-	1815
10	10	17	-	-	-	-	0.00	-	-	-	-	1803
10	10	18	-	-	-	-	0.00	-	-	-	-	1732
10	10	19	-	-	-	-	0.00	-	-	-	-	1714
10	10	20	-	-	-	-	0.00	-	-	-	-	1718
10	10	21	-	-	-	-	0.00	-	-	-	-	1648
10	10	22	-	-	-	-	0.00	-	-	-	-	1538
10	10	23	-	-	-	-	0.00	-	-	-	-	1384
10	10	24	-	-	-	-	0.00	-	-	-	-	1486
10	11	1	-	-	-	-	0.00	-	-	-	-	1136
10	11	2	-	-	-	-	0.00	-	-	-	-	1071
10	11	3	-	-	-	-	0.00	-	-	-	-	1030
10	11	4	-	-	-	-	0.00	-	-	-	-	1012
10	11	5	-	-	-	-	0.00	-	-	-	-	1026
10	11	6	-	-	-	-	0.00	-	-	-	-	1076
10	11	7	-	-	-	-	0.00	-	-	-	-	1207
10	11	8	-	-	-	-	0.00	-	-	-	-	1303
10	11	9	-	-	-	-	0.00	-	-	-	-	1352
10	11	10	-	-	-	-	0.00	-	-	-	-	1408

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	11	11	-	-	-	-	0.00	-	-	-	-	1449
10	11	12	-	-	-	-	0.00	-	-	-	-	1472
10	11	13	-	-	-	-	0.00	-	-	-	-	1489
10	11	14	-	-	-	-	0.00	-	-	-	-	1513
10	11	15	-	-	-	-	0.00	-	-	-	-	1536
10	11	16	-	-	-	-	0.00	-	-	-	-	1560
10	11	17	-	-	-	-	0.00	-	-	-	-	1561
10	11	18	-	-	-	-	0.00	-	-	-	-	1522
10	11	19	-	-	-	-	0.00	-	-	-	-	1566
10	11	20	-	-	-	-	0.00	-	-	-	-	1593
10	11	21	-	-	-	-	0.00	-	-	-	-	1538
10	11	22	-	-	-	-	0.00	-	-	-	-	1444
10	11	23	-	-	-	-	0.00	-	-	-	-	1317
10	11	24	-	-	-	-	0.00	-	-	-	-	1369
10	12	1	-	-	-	-	0.00	-	-	-	-	1096
10	12	2	-	-	-	-	0.00	-	-	-	-	1038
10	12	3	-	-	-	-	0.00	-	-	-	-	1003
10	12	4	-	-	-	-	0.00	-	-	-	-	992
10	12	5	-	-	-	-	0.00	-	-	-	-	1011

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	12	6	-	-	-	-	0.00	-	-	-	-	1079
10	12	7	-	-	-	-	0.00	-	-	-	-	1200
10	12	8	-	-	-	-	0.00	-	-	-	-	1286
10	12	9	-	-	-	-	0.00	-	-	-	-	1341
10	12	10	-	-	-	-	0.00	-	-	-	-	1391
10	12	11	-	-	-	-	0.00	-	-	-	-	1428
10	12	12	-	-	-	-	0.00	-	-	-	-	1441
10	12	13	-	-	-	-	0.00	-	-	-	-	1440
10	12	14	-	-	-	-	0.00	-	-	-	-	1454
10	12	15	-	-	-	-	0.00	-	-	-	-	1463
10	12	16	-	-	-	-	0.00	-	-	-	-	1473
10	12	17	-	-	-	-	0.00	-	-	-	-	1471
10	12	18	-	-	-	-	0.00	-	-	-	-	1467
10	12	19	-	-	-	-	0.00	-	-	-	-	1528
10	12	20	-	-	-	-	0.00	-	-	-	-	1570
10	12	21	-	-	-	-	0.00	-	-	-	-	1521
10	12	22	-	-	-	-	0.00	-	-	-	-	1427
10	12	23	-	-	-	-	0.00	-	-	-	-	1293
10	12	24	-	-	-	-	0.00	-	-	-	-	1336

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	13	1	-	-	-	-	0.00	-	-	-	-	1082
10	13	2	-	-	-	-	0.00	-	-	-	-	1025
10	13	3	-	-	-	-	0.00	-	-	-	-	992
10	13	4	-	-	-	-	0.00	-	-	-	-	982
10	13	5	-	-	-	-	0.00	-	-	-	-	1000
10	13	6	-	-	-	-	0.00	-	-	-	-	1066
10	13	7	-	-	-	-	0.00	-	-	-	-	1200
10	13	8	-	-	-	-	0.00	-	-	-	-	1280
10	13	9	-	-	-	-	0.00	-	-	-	-	1316
10	13	10	-	-	-	-	0.00	-	-	-	-	1366
10	13	11	-	-	-	-	0.00	-	-	-	-	1415
10	13	12	-	-	-	-	0.00	-	-	-	-	1449
10	13	13	-	-	-	-	0.00	-	-	-	-	1477
10	13	14	-	-	-	-	0.00	-	-	-	-	1496
10	13	15	-	-	-	-	0.00	-	-	-	-	1512
10	13	16	-	-	-	-	0.00	-	-	-	-	1515
10	13	17	-	-	-	-	0.00	-	-	-	-	1512
10	13	18	-	-	-	-	0.00	-	-	-	-	1497
10	13	19	-	-	-	-	0.00	-	-	-	-	1549

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	13	20	-	-	-	-	0.00	-	-	-	-	1582
10	13	21	-	-	-	-	0.00	-	-	-	-	1534
10	13	22	-	-	-	-	0.00	-	-	-	-	1443
10	13	23	-	-	-	-	0.00	-	-	-	-	1311
10	13	24	-	-	-	-	0.00	-	-	-	-	1363
10	14	1	-	-	-	-	0.00	-	-	-	-	1092
10	14	2	-	-	-	-	0.00	-	-	-	-	1036
10	14	3	-	-	-	-	0.00	-	-	-	-	1000
10	14	4	-	-	-	-	0.00	-	-	-	-	985
10	14	5	-	-	-	-	0.00	-	-	-	-	1007
10	14	6	-	-	-	-	0.00	-	-	-	-	1076
10	14	7	-	-	-	-	0.00	-	-	-	-	1203
10	14	8	-	-	-	-	0.00	-	-	-	-	1294
10	14	9	-	-	-	-	0.00	-	-	-	-	1329
10	14	10	-	-	-	-	0.00	-	-	-	-	1377
10	14	11	-	-	-	-	0.00	-	-	-	-	1415
10	14	12	-	-	-	-	0.00	-	-	-	-	1442
10	14	13	-	-	-	-	0.00	-	-	-	-	1461
10	14	14	-	-	-	-	0.00	-	-	-	-	1495

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	14	15	-	-	-	-	0.00	-	-	-	-	1510
10	14	16	-	-	-	-	0.00	-	-	-	-	1513
10	14	17	-	-	-	-	0.00	-	-	-	-	1501
10	14	18	-	-	-	-	0.00	-	-	-	-	1481
10	14	19	-	-	-	-	0.00	-	-	-	-	1517
10	14	20	-	-	-	-	0.00	-	-	-	-	1535
10	14	21	-	-	-	-	0.00	-	-	-	-	1485
10	14	22	-	-	-	-	0.00	-	-	-	-	1413
10	14	23	-	-	-	-	0.00	-	-	-	-	1307
10	14	24	-	-	-	-	0.00	-	-	-	-	1347
10	15	1	-	-	-	-	0.00	-	-	-	-	1105
10	15	2	-	-	-	-	0.00	-	-	-	-	1044
10	15	3	-	-	-	-	0.00	-	-	-	-	1006
10	15	4	-	-	-	-	0.00	-	-	-	-	989
10	15	5	-	-	-	-	0.00	-	-	-	-	988
10	15	6	-	-	-	-	0.00	-	-	-	-	1012
10	15	7	-	-	-	-	0.00	-	-	-	-	1065
10	15	8	-	-	-	-	0.00	-	-	-	-	1111
10	15	9	-	-	-	-	0.00	-	-	-	-	1177

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	15	10	-	-	-	-	0.00	-	-	-	-	1242
10	15	11	-	-	-	-	0.00	-	-	-	-	1295
10	15	12	-	-	-	-	0.00	-	-	-	-	1329
10	15	13	-	-	-	-	0.00	-	-	-	-	1353
10	15	14	-	-	-	-	0.00	-	-	-	-	1368
10	15	15	-	-	-	-	0.00	-	-	-	-	1381
10	15	16	-	-	-	-	0.00	-	-	-	-	1396
10	15	17	-	-	-	-	0.00	-	-	-	-	1393
10	15	18	-	-	-	-	0.00	-	-	-	-	1400
10	15	19	-	-	-	-	0.00	-	-	-	-	1462
10	15	20	-	-	-	-	0.00	-	-	-	-	1471
10	15	21	-	-	-	-	0.00	-	-	-	-	1437
10	15	22	-	-	-	-	0.00	-	-	-	-	1381
10	15	23	-	-	-	-	0.00	-	-	-	-	1290
10	15	24	-	-	-	-	0.00	-	-	-	-	1290
10	16	1	-	-	-	-	0.00	-	-	-	-	1106
10	16	2	-	-	-	-	0.00	-	-	-	-	1046
10	16	3	-	-	-	-	0.00	-	-	-	-	1007
10	16	4	-	-	-	-	0.00	-	-	-	-	984

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	16	5	-	-	-	-	0.00	-	-	-	-	974
10	16	6	-	-	-	-	0.00	-	-	-	-	983
10	16	7	-	-	-	-	0.00	-	-	-	-	1015
10	16	8	-	-	-	-	0.00	-	-	-	-	1052
10	16	9	-	-	-	-	0.00	-	-	-	-	1108
10	16	10	-	-	-	-	0.00	-	-	-	-	1172
10	16	11	-	-	-	-	0.00	-	-	-	-	1228
10	16	12	-	-	-	-	0.00	-	-	-	-	1267
10	16	13	-	-	-	-	0.00	-	-	-	-	1291
10	16	14	-	-	-	-	0.00	-	-	-	-	1305
10	16	15	-	-	-	-	0.00	-	-	-	-	1312
10	16	16	-	-	-	-	0.00	-	-	-	-	1320
10	16	17	-	-	-	-	0.00	-	-	-	-	1331
10	16	18	-	-	-	-	0.00	-	-	-	-	1353
10	16	19	-	-	-	-	0.00	-	-	-	-	1441
10	16	20	-	-	-	-	0.00	-	-	-	-	1481
10	16	21	-	-	-	-	0.00	-	-	-	-	1446
10	16	22	-	-	-	-	0.00	-	-	-	-	1367
10	16	23	-	-	-	-	0.00	-	-	-	-	1248

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	16	24	-	-	-	-	0.00	-	-	-	-	1233
10	17	1	-	-	-	-	0.00	-	-	-	-	1061
10	17	2	-	-	-	-	0.00	-	-	-	-	1008
10	17	3	-	-	-	-	0.00	-	-	-	-	979
10	17	4	-	-	-	-	0.00	-	-	-	-	970
10	17	5	-	-	-	-	0.00	-	-	-	-	994
10	17	6	-	-	-	-	0.00	-	-	-	-	1067
10	17	7	-	-	-	-	0.00	-	-	-	-	1202
10	17	8	-	-	-	-	0.00	-	-	-	-	1310
10	17	9	-	-	-	-	0.00	-	-	-	-	1359
10	17	10	-	-	-	-	0.00	-	-	-	-	1407
10	17	11	-	-	-	-	0.00	-	-	-	-	1453
10	17	12	-	-	-	-	0.00	-	-	-	-	1481
10	17	13	-	-	-	-	0.00	-	-	-	-	1493
10	17	14	-	-	-	-	0.00	-	-	-	-	1512
10	17	15	-	-	-	-	0.00	-	-	-	-	1519
10	17	16	-	-	-	-	0.00	-	-	-	-	1522
10	17	17	-	-	-	-	0.00	-	-	-	-	1509
10	17	18	-	-	-	-	0.00	-	-	-	-	1504

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	17	19	-	-	-	-	0.00	-	-	-	-	1574
10	17	20	-	-	-	-	0.00	-	-	-	-	1596
10	17	21	-	-	-	-	0.00	-	-	-	-	1537
10	17	22	-	-	-	-	0.00	-	-	-	-	1435
10	17	23	-	-	-	-	0.00	-	-	-	-	1299
10	17	24	-	-	-	-	0.00	-	-	-	-	1363
10	18	1	-	-	-	-	0.00	-	-	-	-	1075
10	18	2	-	-	-	-	0.00	-	-	-	-	1018
10	18	3	-	-	-	-	0.00	-	-	-	-	981
10	18	4	-	-	-	-	0.00	-	-	-	-	970
10	18	5	-	-	-	-	0.00	-	-	-	-	988
10	18	6	-	-	-	-	0.00	-	-	-	-	1055
10	18	7	-	-	-	-	0.00	-	-	-	-	1185
10	18	8	-	-	-	-	0.00	-	-	-	-	1262
10	18	9	-	-	-	-	0.00	-	-	-	-	1298
10	18	10	-	-	-	-	0.00	-	-	-	-	1353
10	18	11	-	-	-	-	0.00	-	-	-	-	1409
10	18	12	-	-	-	-	0.00	-	-	-	-	1442
10	18	13	-	-	-	-	0.00	-	-	-	-	1461

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	18	14	-	-	-	-	0.00	-	-	-	-	1489
10	18	15	-	-	-	-	0.00	-	-	-	-	1504
10	18	16	-	-	-	-	0.00	-	-	-	-	1513
10	18	17	-	-	-	-	0.00	-	-	-	-	1506
10	18	18	-	-	-	-	0.00	-	-	-	-	1495
10	18	19	-	-	-	-	0.00	-	-	-	-	1553
10	18	20	-	-	-	-	0.00	-	-	-	-	1576
10	18	21	-	-	-	-	0.00	-	-	-	-	1521
10	18	22	-	-	-	-	0.00	-	-	-	-	1422
10	18	23	-	-	-	-	0.00	-	-	-	-	1287
10	18	24	-	-	-	-	0.00	-	-	-	-	1342
10	19	1	-	-	-	-	0.00	-	-	-	-	1072
10	19	2	-	-	-	-	0.00	-	-	-	-	1019
10	19	3	-	-	-	-	0.00	-	-	-	-	981
10	19	4	-	-	-	-	0.00	-	-	-	-	969
10	19	5	-	-	-	-	0.00	-	-	-	-	992
10	19	6	-	-	-	-	0.00	-	-	-	-	1069
10	19	7	-	-	-	-	0.00	-	-	-	-	1199
10	19	8	-	-	-	-	0.00	-	-	-	-	1279

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	19	9	-	-	-	-	0.00	-	-	-	-	1321
10	19	10	-	-	-	-	0.00	-	-	-	-	1383
10	19	11	-	-	-	-	0.00	-	-	-	-	1457
10	19	12	-	-	-	-	0.00	-	-	-	-	1513
10	19	13	-	-	-	-	0.00	-	-	-	-	1555
10	19	14	-	-	-	-	0.00	-	-	-	-	1554
10	19	15	-	-	-	-	0.00	-	-	-	-	1585
10	19	16	-	-	-	-	0.00	-	-	-	-	1634
10	19	17	-	-	-	-	0.00	-	-	-	-	1683
10	19	18	-	-	-	-	0.00	-	-	-	-	1696
10	19	19	-	-	-	-	0.00	-	-	-	-	1724
10	19	20	-	-	-	-	0.00	-	-	-	-	1723
10	19	21	-	-	-	-	0.00	-	-	-	-	1664
10	19	22	-	-	-	-	0.00	-	-	-	-	1560
10	19	23	-	-	-	-	0.00	-	-	-	-	1412
10	19	24	-	-	-	-	0.00	-	-	-	-	1439
10	20	1	-	-	-	-	0.00	-	-	-	-	1161
10	20	2	-	-	-	-	0.00	-	-	-	-	1094
10	20	3	-	-	-	-	0.00	-	-	-	-	1051

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	20	4	-	-	-	-	0.00	-	-	-	-	1032
10	20	5	-	-	-	-	0.00	-	-	-	-	1051
10	20	6	-	-	-	-	0.00	-	-	-	-	1123
10	20	7	-	-	-	-	0.00	-	-	-	-	1252
10	20	8	-	-	-	-	0.00	-	-	-	-	1331
10	20	9	-	-	-	-	0.00	-	-	-	-	1390
10	20	10	-	-	-	-	0.00	-	-	-	-	1482
10	20	11	-	-	-	-	0.00	-	-	-	-	1576
10	20	12	-	-	-	-	0.00	-	-	-	-	1666
10	20	13	-	-	-	-	0.00	-	-	-	-	1746
10	20	14	-	-	-	-	0.00	-	-	-	-	1835
10	20	15	-	-	-	-	0.00	-	-	-	-	1922
10	20	16	-	-	-	-	0.00	-	-	-	-	1997
10	20	17	-	-	-	-	0.00	-	-	-	-	2026
10	20	18	-	-	-	-	0.00	-	-	-	-	1974
10	20	19	-	-	-	-	0.00	-	-	-	-	1937
10	20	20	-	-	-	-	0.00	-	-	-	-	1889
10	20	21	-	-	-	-	0.00	-	-	-	-	1785
10	20	22	-	-	-	-	0.00	-	-	-	-	1649

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	20	23	-	-	-	-	0.00	-	-	-	-	1478
10	20	24	-	-	-	-	0.00	-	-	-	-	1589
10	21	1	-	-	-	-	0.00	-	-	-	-	1204
10	21	2	-	-	-	-	0.00	-	-	-	-	1129
10	21	3	-	-	-	-	0.00	-	-	-	-	1081
10	21	4	-	-	-	-	0.00	-	-	-	-	1058
10	21	5	-	-	-	-	0.00	-	-	-	-	1073
10	21	6	-	-	-	-	0.00	-	-	-	-	1137
10	21	7	-	-	-	-	0.00	-	-	-	-	1261
10	21	8	-	-	-	-	0.00	-	-	-	-	1338
10	21	9	-	-	-	-	0.00	-	-	-	-	1393
10	21	10	-	-	-	-	0.00	-	-	-	-	1495
10	21	11	-	-	-	-	0.00	-	-	-	-	1598
10	21	12	-	-	-	-	0.00	-	-	-	-	1688
10	21	13	-	-	-	-	0.00	-	-	-	-	1766
10	21	14	-	-	-	-	0.00	-	-	-	-	1857
10	21	15	-	-	-	-	0.00	-	-	-	-	1934
10	21	16	-	-	-	-	0.00	-	-	-	-	1979
10	21	17	-	-	-	-	0.00	-	-	-	-	1978

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	21	18	-	-	-	-	0.00	-	-	-	-	1904
10	21	19	-	-	-	-	0.00	-	-	-	-	1840
10	21	20	-	-	-	-	0.00	-	-	-	-	1776
10	21	21	-	-	-	-	0.00	-	-	-	-	1677
10	21	22	-	-	-	-	0.00	-	-	-	-	1564
10	21	23	-	-	-	-	0.00	-	-	-	-	1428
10	21	24	-	-	-	-	0.00	-	-	-	-	1597
10	22	1	-	-	-	-	0.00	-	-	-	-	1167
10	22	2	-	-	-	-	0.00	-	-	-	-	1089
10	22	3	-	-	-	-	0.00	-	-	-	-	1039
10	22	4	-	-	-	-	0.00	-	-	-	-	1011
10	22	5	-	-	-	-	0.00	-	-	-	-	1009
10	22	6	-	-	-	-	0.00	-	-	-	-	1029
10	22	7	-	-	-	-	0.00	-	-	-	-	1071
10	22	8	-	-	-	-	0.00	-	-	-	-	1111
10	22	9	-	-	-	-	0.00	-	-	-	-	1175
10	22	10	-	-	-	-	0.00	-	-	-	-	1253
10	22	11	-	-	-	-	0.00	-	-	-	-	1319
10	22	12	-	-	-	-	0.00	-	-	-	-	1372

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	22	13	-	-	-	-	0.00	-	-	-	-	1420
10	22	14	-	-	-	-	0.00	-	-	-	-	1464
10	22	15	-	-	-	-	0.00	-	-	-	-	1509
10	22	16	-	-	-	-	0.00	-	-	-	-	1539
10	22	17	-	-	-	-	0.00	-	-	-	-	1544
10	22	18	-	-	-	-	0.00	-	-	-	-	1524
10	22	19	-	-	-	-	0.00	-	-	-	-	1554
10	22	20	-	-	-	-	0.00	-	-	-	-	1536
10	22	21	-	-	-	-	0.00	-	-	-	-	1477
10	22	22	-	-	-	-	0.00	-	-	-	-	1400
10	22	23	-	-	-	-	0.00	-	-	-	-	1299
10	22	24	-	-	-	-	0.00	-	-	-	-	1335
10	23	1	-	-	-	-	0.00	-	-	-	-	1105
10	23	2	-	-	-	-	0.00	-	-	-	-	1038
10	23	3	-	-	-	-	0.00	-	-	-	-	997
10	23	4	-	-	-	-	0.00	-	-	-	-	970
10	23	5	-	-	-	-	0.00	-	-	-	-	962
10	23	6	-	-	-	-	0.00	-	-	-	-	971
10	23	7	-	-	-	-	0.00	-	-	-	-	1002

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	23	8	-	-	-	-	0.00	-	-	-	-	1034
10	23	9	-	-	-	-	0.00	-	-	-	-	1085
10	23	10	-	-	-	-	0.00	-	-	-	-	1145
10	23	11	-	-	-	-	0.00	-	-	-	-	1203
10	23	12	-	-	-	-	0.00	-	-	-	-	1235
10	23	13	-	-	-	-	0.00	-	-	-	-	1243
10	23	14	-	-	-	-	0.00	-	-	-	-	1260
10	23	15	-	-	-	-	0.00	-	-	-	-	1272
10	23	16	-	-	-	-	0.00	-	-	-	-	1280
10	23	17	-	-	-	-	0.00	-	-	-	-	1291
10	23	18	-	-	-	-	0.00	-	-	-	-	1330
10	23	19	-	-	-	-	0.00	-	-	-	-	1436
10	23	20	-	-	-	-	0.00	-	-	-	-	1465
10	23	21	-	-	-	-	0.00	-	-	-	-	1433
10	23	22	-	-	-	-	0.00	-	-	-	-	1359
10	23	23	-	-	-	-	0.00	-	-	-	-	1254
10	23	24	-	-	-	-	0.00	-	-	-	-	1205
10	24	1	-	-	-	-	0.00	-	-	-	-	1062
10	24	2	-	-	-	-	0.00	-	-	-	-	1012

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	24	3	-	-	-	-	0.00	-	-	-	-	983
10	24	4	-	-	-	-	0.00	-	-	-	-	974
10	24	5	-	-	-	-	0.00	-	-	-	-	1001
10	24	6	-	-	-	-	0.00	-	-	-	-	1077
10	24	7	-	-	-	-	0.00	-	-	-	-	1213
10	24	8	-	-	-	-	0.00	-	-	-	-	1326
10	24	9	-	-	-	-	0.00	-	-	-	-	1371
10	24	10	-	-	-	-	0.00	-	-	-	-	1417
10	24	11	-	-	-	-	0.00	-	-	-	-	1467
10	24	12	-	-	-	-	0.00	-	-	-	-	1495
10	24	13	-	-	-	-	0.00	-	-	-	-	1512
10	24	14	-	-	-	-	0.00	-	-	-	-	1518
10	24	15	-	-	-	-	0.00	-	-	-	-	1512
10	24	16	-	-	-	-	0.00	-	-	-	-	1505
10	24	17	-	-	-	-	0.00	-	-	-	-	1485
10	24	18	-	-	-	-	0.00	-	-	-	-	1489
10	24	19	-	-	-	-	0.00	-	-	-	-	1577
10	24	20	-	-	-	-	0.00	-	-	-	-	1589
10	24	21	-	-	-	-	0.00	-	-	-	-	1529

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	24	22	-	-	-	-	0.00	-	-	-	-	1431
10	24	23	-	-	-	-	0.00	-	-	-	-	1287
10	24	24	-	-	-	-	0.00	-	-	-	-	1372
10	25	1	-	-	-	-	0.00	-	-	-	-	1075
10	25	2	-	-	-	-	0.00	-	-	-	-	1021
10	25	3	-	-	-	-	0.00	-	-	-	-	989
10	25	4	-	-	-	-	0.00	-	-	-	-	975
10	25	5	-	-	-	-	0.00	-	-	-	-	995
10	25	6	-	-	-	-	0.00	-	-	-	-	1068
10	25	7	-	-	-	-	0.00	-	-	-	-	1196
10	25	8	-	-	-	-	0.00	-	-	-	-	1277
10	25	9	-	-	-	-	0.00	-	-	-	-	1305
10	25	10	-	-	-	-	0.00	-	-	-	-	1364
10	25	11	-	-	-	-	0.00	-	-	-	-	1416
10	25	12	-	-	-	-	0.00	-	-	-	-	1452
10	25	13	-	-	-	-	0.00	-	-	-	-	1470
10	25	14	-	-	-	-	0.00	-	-	-	-	1492
10	25	15	-	-	-	-	0.00	-	-	-	-	1509
10	25	16	-	-	-	-	0.00	-	-	-	-	1517

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	25	17	-	-	-	-	0.00	-	-	-	-	1508
10	25	18	-	-	-	-	0.00	-	-	-	-	1501
10	25	19	-	-	-	-	0.00	-	-	-	-	1576
10	25	20	-	-	-	-	0.00	-	-	-	-	1586
10	25	21	-	-	-	-	0.00	-	-	-	-	1529
10	25	22	-	-	-	-	0.00	-	-	-	-	1433
10	25	23	-	-	-	-	0.00	-	-	-	-	1296
10	25	24	-	-	-	-	0.00	-	-	-	-	1352
10	26	1	-	-	-	-	0.00	-	-	-	-	1078
10	26	2	-	-	-	-	0.00	-	-	-	-	1023
10	26	3	-	-	-	-	0.00	-	-	-	-	988
10	26	4	-	-	-	-	0.00	-	-	-	-	974
10	26	5	-	-	-	-	0.00	-	-	-	-	994
10	26	6	-	-	-	-	0.00	-	-	-	-	1067
10	26	7	-	-	-	-	0.00	-	-	-	-	1195
10	26	8	-	-	-	-	0.00	-	-	-	-	1283
10	26	9	-	-	-	-	0.00	-	-	-	-	1307
10	26	10	-	-	-	-	0.00	-	-	-	-	1359
10	26	11	-	-	-	-	0.00	-	-	-	-	1415

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	26	12	-	-	-	-	0.00	-	-	-	-	1455
10	26	13	-	-	-	-	0.00	-	-	-	-	1478
10	26	14	-	-	-	-	0.00	-	-	-	-	1506
10	26	15	-	-	-	-	0.00	-	-	-	-	1530
10	26	16	-	-	-	-	0.00	-	-	-	-	1537
10	26	17	-	-	-	-	0.00	-	-	-	-	1532
10	26	18	-	-	-	-	0.00	-	-	-	-	1524
10	26	19	-	-	-	-	0.00	-	-	-	-	1601
10	26	20	-	-	-	-	0.00	-	-	-	-	1601
10	26	21	-	-	-	-	0.00	-	-	-	-	1544
10	26	22	-	-	-	-	0.00	-	-	-	-	1445
10	26	23	-	-	-	-	0.00	-	-	-	-	1310
10	26	24	-	-	-	-	0.00	-	-	-	-	1364
10	27	1	-	-	-	-	0.00	-	-	-	-	1088
10	27	2	-	-	-	-	0.00	-	-	-	-	1028
10	27	3	-	-	-	-	0.00	-	-	-	-	992
10	27	4	-	-	-	-	0.00	-	-	-	-	979
10	27	5	-	-	-	-	0.00	-	-	-	-	1000
10	27	6	-	-	-	-	0.00	-	-	-	-	1069

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	27	7	-	-	-	-	0.00	-	-	-	-	1205
10	27	8	-	-	-	-	0.00	-	-	-	-	1305
10	27	9	-	-	-	-	0.00	-	-	-	-	1326
10	27	10	-	-	-	-	0.00	-	-	-	-	1378
10	27	11	-	-	-	-	0.00	-	-	-	-	1425
10	27	12	-	-	-	-	0.00	-	-	-	-	1461
10	27	13	-	-	-	-	0.00	-	-	-	-	1490
10	27	14	-	-	-	-	0.00	-	-	-	-	1514
10	27	15	-	-	-	-	0.00	-	-	-	-	1523
10	27	16	-	-	-	-	0.00	-	-	-	-	1522
10	27	17	-	-	-	-	0.00	-	-	-	-	1507
10	27	18	-	-	-	-	0.00	-	-	-	-	1513
10	27	19	-	-	-	-	0.00	-	-	-	-	1589
10	27	20	-	-	-	-	0.00	-	-	-	-	1580
10	27	21	-	-	-	-	0.00	-	-	-	-	1526
10	27	22	-	-	-	-	0.00	-	-	-	-	1435
10	27	23	-	-	-	-	0.00	-	-	-	-	1307
10	27	24	-	-	-	-	0.00	-	-	-	-	1371
10	28	1	-	-	-	-	0.00	-	-	-	-	1092

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	28	2	-	-	-	-	0.00	-	-	-	-	1032
10	28	3	-	-	-	-	0.00	-	-	-	-	997
10	28	4	-	-	-	-	0.00	-	-	-	-	984
10	28	5	-	-	-	-	0.00	-	-	-	-	1003
10	28	6	-	-	-	-	0.00	-	-	-	-	1070
10	28	7	-	-	-	-	0.00	-	-	-	-	1198
10	28	8	-	-	-	-	0.00	-	-	-	-	1313
10	28	9	-	-	-	-	0.00	-	-	-	-	1356
10	28	10	-	-	-	-	0.00	-	-	-	-	1410
10	28	11	-	-	-	-	0.00	-	-	-	-	1444
10	28	12	-	-	-	-	0.00	-	-	-	-	1458
10	28	13	-	-	-	-	0.00	-	-	-	-	1472
10	28	14	-	-	-	-	0.00	-	-	-	-	1483
10	28	15	-	-	-	-	0.00	-	-	-	-	1491
10	28	16	-	-	-	-	0.00	-	-	-	-	1495
10	28	17	-	-	-	-	0.00	-	-	-	-	1490
10	28	18	-	-	-	-	0.00	-	-	-	-	1483
10	28	19	-	-	-	-	0.00	-	-	-	-	1545
10	28	20	-	-	-	-	0.00	-	-	-	-	1534

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	28	21	-	-	-	-	0.00	-	-	-	-	1486
10	28	22	-	-	-	-	0.00	-	-	-	-	1411
10	28	23	-	-	-	-	0.00	-	-	-	-	1305
10	28	24	-	-	-	-	0.00	-	-	-	-	1356
10	29	1	-	-	-	-	0.00	-	-	-	-	1091
10	29	2	-	-	-	-	0.00	-	-	-	-	1028
10	29	3	-	-	-	-	0.00	-	-	-	-	984
10	29	4	-	-	-	-	0.00	-	-	-	-	964
10	29	5	-	-	-	-	0.00	-	-	-	-	961
10	29	6	-	-	-	-	0.00	-	-	-	-	987
10	29	7	-	-	-	-	0.00	-	-	-	-	1036
10	29	8	-	-	-	-	0.00	-	-	-	-	1086
10	29	9	-	-	-	-	0.00	-	-	-	-	1151
10	29	10	-	-	-	-	0.00	-	-	-	-	1220
10	29	11	-	-	-	-	0.00	-	-	-	-	1270
10	29	12	-	-	-	-	0.00	-	-	-	-	1312
10	29	13	-	-	-	-	0.00	-	-	-	-	1329
10	29	14	-	-	-	-	0.00	-	-	-	-	1337
10	29	15	-	-	-	-	0.00	-	-	-	-	1349

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	29	16	-	-	-	-	0.00	-	-	-	-	1358
10	29	17	-	-	-	-	0.00	-	-	-	-	1367
10	29	18	-	-	-	-	0.00	-	-	-	-	1412
10	29	19	-	-	-	-	0.00	-	-	-	-	1503
10	29	20	-	-	-	-	0.00	-	-	-	-	1497
10	29	21	-	-	-	-	0.00	-	-	-	-	1454
10	29	22	-	-	-	-	0.00	-	-	-	-	1385
10	29	23	-	-	-	-	0.00	-	-	-	-	1294
10	29	24	-	-	-	-	0.00	-	-	-	-	1270
10	30	1	-	-	-	-	0.00	-	-	-	-	1103
10	30	2	-	-	-	-	0.00	-	-	-	-	1039
10	30	3	-	-	-	-	0.00	-	-	-	-	991
10	30	4	-	-	-	-	0.00	-	-	-	-	966
10	30	5	-	-	-	-	0.00	-	-	-	-	959
10	30	6	-	-	-	-	0.00	-	-	-	-	967
10	30	7	-	-	-	-	0.00	-	-	-	-	1002
10	30	8	-	-	-	-	0.00	-	-	-	-	1041
10	30	9	-	-	-	-	0.00	-	-	-	-	1104
10	30	10	-	-	-	-	0.00	-	-	-	-	1171

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	30	11	-	-	-	-	0.00	-	-	-	-	1221
10	30	12	-	-	-	-	0.00	-	-	-	-	1245
10	30	13	-	-	-	-	0.00	-	-	-	-	1249
10	30	14	-	-	-	-	0.00	-	-	-	-	1251
10	30	15	-	-	-	-	0.00	-	-	-	-	1253
10	30	16	-	-	-	-	0.00	-	-	-	-	1253
10	30	17	-	-	-	-	0.00	-	-	-	-	1264
10	30	18	-	-	-	-	0.00	-	-	-	-	1320
10	30	19	-	-	-	-	0.00	-	-	-	-	1421
10	30	20	-	-	-	-	0.00	-	-	-	-	1436
10	30	21	-	-	-	-	0.00	-	-	-	-	1401
10	30	22	-	-	-	-	0.00	-	-	-	-	1329
10	30	23	-	-	-	-	0.00	-	-	-	-	1219
10	30	24	-	-	-	-	0.00	-	-	-	-	1197
10	31	1	-	-	-	-	0.00	-	-	-	-	1025
10	31	2	-	-	-	-	0.00	-	-	-	-	975
10	31	3	-	-	-	-	0.00	-	-	-	-	947
10	31	4	-	-	-	-	0.00	-	-	-	-	938
10	31	5	-	-	-	-	0.00	-	-	-	-	961

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
10	31	6	-	-	-	-	0.00	-	-	-	-	1039
10	31	7	-	-	-	-	0.00	-	-	-	-	1172
10	31	8	-	-	-	-	0.00	-	-	-	-	1296
10	31	9	-	-	-	-	0.00	-	-	-	-	1321
10	31	10	-	-	-	-	0.00	-	-	-	-	1357
10	31	11	-	-	-	-	0.00	-	-	-	-	1390
10	31	12	-	-	-	-	0.00	-	-	-	-	1417
10	31	13	-	-	-	-	0.00	-	-	-	-	1418
10	31	14	-	-	-	-	0.00	-	-	-	-	1425
10	31	15	-	-	-	-	0.00	-	-	-	-	1426
10	31	16	-	-	-	-	0.00	-	-	-	-	1425
10	31	17	-	-	-	-	0.00	-	-	-	-	1416
10	31	18	-	-	-	-	0.00	-	-	-	-	1427
10	31	19	-	-	-	-	0.00	-	-	-	-	1498
10	31	20	-	-	-	-	0.00	-	-	-	-	1470
10	31	21	-	-	-	-	0.00	-	-	-	-	1433
10	31	22	-	-	-	-	0.00	-	-	-	-	1372
10	31	23	-	-	-	-	0.00	-	-	-	-	1261
10	31	24	-	-	-	-	0.00	-	-	-	-	1310

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	1	1	-	2	2	2	0.00	-	-	-	-	1058
11	1	2	-	2	2	2	0.00	-	-	-	-	1006
11	1	3	-	2	2	2	0.00	-	-	-	-	976
11	1	4	-	2	2	2	0.00	-	-	-	-	962
11	1	5	-	2	2	2	0.00	-	-	-	-	978
11	1	6	-	2	2	2	0.00	-	-	-	-	1053
11	1	7	-	2	2	2	0.00	-	-	-	-	1182
11	1	8	-	2	2	2	0.00	-	-	-	-	1284
11	1	9	-	2	2	2	0.00	-	-	-	-	1307
11	1	10	-	2	2	2	0.00	-	-	-	-	1349
11	1	11	-	2	2	2	0.00	-	-	-	-	1383
11	1	12	-	2	2	2	0.00	-	-	-	-	1398
11	1	13	-	2	2	2	0.00	-	-	-	-	1401
11	1	14	-	2	2	2	0.00	-	-	-	-	1412
11	1	15	-	2	2	2	0.00	-	-	-	-	1411
11	1	16	-	2	2	2	0.00	-	-	-	-	1411
11	1	17	-	2	2	2	0.00	-	-	-	-	1407
11	1	18	-	2	2	2	0.00	-	-	-	-	1437
11	1	19	-	2	2	2	0.00	-	-	-	-	1549

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	1	20	-	2	2	2	0.00	-	-	-	-	1557
11	1	21	-	2	2	2	0.00	-	-	-	-	1508
11	1	22	-	2	2	2	0.00	-	-	-	-	1411
11	1	23	-	2	2	2	0.00	-	-	-	-	1276
11	1	24	-	2	2	2	0.00	-	-	-	-	1302
11	2	1	-	2	2	2	0.00	-	-	-	-	1069
11	2	2	-	2	2	2	0.00	-	-	-	-	1017
11	2	3	-	2	2	2	0.00	-	-	-	-	983
11	2	4	-	2	2	2	0.00	-	-	-	-	970
11	2	5	-	2	2	2	0.00	-	-	-	-	989
11	2	6	-	2	2	2	0.00	-	-	-	-	1064
11	2	7	-	2	2	2	0.00	-	-	-	-	1197
11	2	8	-	2	2	2	0.00	-	-	-	-	1300
11	2	9	-	2	2	2	0.00	-	-	-	-	1315
11	2	10	-	2	2	2	0.00	-	-	-	-	1340
11	2	11	-	2	2	2	0.00	-	-	-	-	1379
11	2	12	-	2	2	2	0.00	-	-	-	-	1401
11	2	13	-	2	2	2	0.00	-	-	-	-	1418
11	2	14	-	2	2	2	0.00	-	-	-	-	1432

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	2	15	-	2	2	2	0.00	-	-	-	-	1448
11	2	16	-	2	2	2	0.00	-	-	-	-	1461
11	2	17	-	2	2	2	0.00	-	-	-	-	1463
11	2	18	-	2	2	2	0.00	-	-	-	-	1482
11	2	19	-	2	2	2	0.00	-	-	-	-	1566
11	2	20	-	2	2	2	0.00	-	-	-	-	1562
11	2	21	-	2	2	2	0.00	-	-	-	-	1503
11	2	22	-	2	2	2	0.00	-	-	-	-	1417
11	2	23	-	2	2	2	0.00	-	-	-	-	1289
11	2	24	-	2	2	2	0.00	-	-	-	-	1322
11	3	1	-	2	2	2	0.00	-	-	-	-	1069
11	3	2	-	2	2	2	0.00	-	-	-	-	1011
11	3	3	-	2	2	2	0.00	-	-	-	-	978
11	3	4	-	2	2	2	0.00	-	-	-	-	965
11	3	5	-	2	2	2	0.00	-	-	-	-	983
11	3	6	-	2	2	2	0.00	-	-	-	-	1058
11	3	7	-	2	2	2	0.00	-	-	-	-	1194
11	3	8	-	2	2	2	0.00	-	-	-	-	1290
11	3	9	-	2	2	2	0.00	-	-	-	-	1324

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	3	10	-	2	2	2	0.00	-	-	-	-	1376
11	3	11	-	2	2	2	0.00	-	-	-	-	1437
11	3	12	-	2	2	2	0.00	-	-	-	-	1483
11	3	13	-	2	2	2	0.00	-	-	-	-	1514
11	3	14	-	2	2	2	0.00	-	-	-	-	1553
11	3	15	-	2	2	2	0.00	-	-	-	-	1584
11	3	16	-	2	2	2	0.00	-	-	-	-	1604
11	3	17	-	2	2	2	0.00	-	-	-	-	1602
11	3	18	-	2	2	2	0.00	-	-	-	-	1590
11	3	19	-	2	2	2	0.00	-	-	-	-	1649
11	3	20	-	2	2	2	0.00	-	-	-	-	1620
11	3	21	-	2	2	2	0.00	-	-	-	-	1548
11	3	22	-	2	2	2	0.00	-	-	-	-	1444
11	3	23	-	2	2	2	0.00	-	-	-	-	1310
11	3	24	-	2	2	2	0.00	-	-	-	-	1387
11	4	1	-	2	2	2	0.00	-	-	-	-	1088
11	4	2	-	2	2	2	0.00	-	-	-	-	1032
11	4	3	-	2	2	2	0.00	-	-	-	-	995
11	4	4	-	2	2	2	0.00	-	-	-	-	980

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	4	5	-	2	2	2	0.00	-	-	-	-	993
11	4	6	-	2	2	2	0.00	-	-	-	-	1064
11	4	7	-	2	2	2	0.00	-	-	-	-	1189
11	4	8	-	2	2	2	0.00	-	-	-	-	1289
11	4	9	-	2	2	2	0.00	-	-	-	-	1321
11	4	10	-	2	2	2	0.00	-	-	-	-	1376
11	4	11	-	2	2	2	0.00	-	-	-	-	1434
11	4	12	-	2	2	2	0.00	-	-	-	-	1475
11	4	13	-	2	2	2	0.00	-	-	-	-	1509
11	4	14	-	2	2	2	0.00	-	-	-	-	1544
11	4	15	-	2	2	2	0.00	-	-	-	-	1564
11	4	16	-	2	2	2	0.00	-	-	-	-	1573
11	4	17	-	2	2	2	0.00	-	-	-	-	1564
11	4	18	-	2	2	2	0.00	-	-	-	-	1550
11	4	19	-	2	2	2	0.00	-	-	-	-	1595
11	4	20	-	2	2	2	0.00	-	-	-	-	1560
11	4	21	-	2	2	2	0.00	-	-	-	-	1501
11	4	22	-	2	2	2	0.00	-	-	-	-	1423
11	4	23	-	2	2	2	0.00	-	-	-	-	1315

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	4	24	-	2	2	2	0.00	-	-	-	-	1387
11	5	1	-	2	2	2	0.00	-	-	-	-	1101
11	5	2	-	2	2	2	0.00	-	-	-	-	1042
11	5	3	-	2	2	2	0.00	-	-	-	-	999
11	5	4	-	2	2	2	0.00	-	-	-	-	976
11	5	5	-	2	2	2	0.00	-	-	-	-	975
11	5	6	-	2	2	2	0.00	-	-	-	-	997
11	5	7	-	2	2	2	0.00	-	-	-	-	1043
11	5	8	-	2	2	2	0.00	-	-	-	-	1095
11	5	9	-	2	2	2	0.00	-	-	-	-	1147
11	5	10	-	2	2	2	0.00	-	-	-	-	1211
11	5	11	-	2	2	2	0.00	-	-	-	-	1263
11	5	12	-	2	2	2	0.00	-	-	-	-	1300
11	5	13	-	2	2	2	0.00	-	-	-	-	1324
11	5	14	-	2	2	2	0.00	-	-	-	-	1342
11	5	15	-	2	2	2	0.00	-	-	-	-	1356
11	5	16	-	2	2	2	0.00	-	-	-	-	1371
11	5	17	-	2	2	2	0.00	-	-	-	-	1371
11	5	18	-	2	2	2	0.00	-	-	-	-	1385

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	5	19	-	2	2	2	0.00	-	-	-	-	1460
11	5	20	-	2	2	2	0.00	-	-	-	-	1440
11	5	21	-	2	2	2	0.00	-	-	-	-	1398
11	5	22	-	2	2	2	0.00	-	-	-	-	1335
11	5	23	-	2	2	2	0.00	-	-	-	-	1246
11	5	24	-	2	2	2	0.00	-	-	-	-	1257
11	6	1	-	2	2	2	0.00	-	-	-	-	1061
11	6	2	-	2	2	2	0.00	-	-	-	-	1886
11	6	3	-	2	2	2	0.00	-	-	-	-	934
11	6	4	-	2	2	2	0.00	-	-	-	-	922
11	6	5	-	2	2	2	0.00	-	-	-	-	925
11	6	6	-	2	2	2	0.00	-	-	-	-	951
11	6	7	-	2	2	2	0.00	-	-	-	-	981
11	6	8	-	2	2	2	0.00	-	-	-	-	1029
11	6	9	-	2	2	2	0.00	-	-	-	-	1088
11	6	10	-	2	2	2	0.00	-	-	-	-	1133
11	6	11	-	2	2	2	0.00	-	-	-	-	1173
11	6	12	-	2	2	2	0.00	-	-	-	-	1205
11	6	13	-	2	2	2	0.00	-	-	-	-	1226

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	6	14	-	2	2	2	0.00	-	-	-	-	1240
11	6	15	-	2	2	2	0.00	-	-	-	-	1246
11	6	16	-	2	2	2	0.00	-	-	-	-	1254
11	6	17	-	2	2	2	0.00	-	-	-	-	1296
11	6	18	-	2	2	2	0.00	-	-	-	-	1440
11	6	19	-	2	2	2	0.00	-	-	-	-	1459
11	6	20	-	2	2	2	0.00	-	-	-	-	1426
11	6	21	-	2	2	2	0.00	-	-	-	-	1364
11	6	22	-	2	2	2	0.00	-	-	-	-	1270
11	6	23	-	2	2	2	0.00	-	-	-	-	1158
11	6	24	-	2	2	2	0.00	-	-	-	-	1162
11	7	1	-	2	2	2	0.00	-	-	-	-	996
11	7	2	-	2	2	2	0.00	-	-	-	-	953
11	7	3	-	2	2	2	0.00	-	-	-	-	934
11	7	4	-	2	2	2	0.00	-	-	-	-	934
11	7	5	-	2	2	2	0.00	-	-	-	-	969
11	7	6	-	2	2	2	0.00	-	-	-	-	1058
11	7	7	-	2	2	2	0.00	-	-	-	-	1176
11	7	8	-	2	2	2	0.00	-	-	-	-	1249

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	7	9	-	2	2	2	0.00	-	-	-	-	1300
11	7	10	-	2	2	2	0.00	-	-	-	-	1363
11	7	11	-	2	2	2	0.00	-	-	-	-	1414
11	7	12	-	2	2	2	0.00	-	-	-	-	1459
11	7	13	-	2	2	2	0.00	-	-	-	-	1486
11	7	14	-	2	2	2	0.00	-	-	-	-	1515
11	7	15	-	2	2	2	0.00	-	-	-	-	1521
11	7	16	-	2	2	2	0.00	-	-	-	-	1520
11	7	17	-	2	2	2	0.00	-	-	-	-	1524
11	7	18	-	2	2	2	0.00	-	-	-	-	1632
11	7	19	-	2	2	2	0.00	-	-	-	-	1630
11	7	20	-	2	2	2	0.00	-	-	-	-	1578
11	7	21	-	2	2	2	0.00	-	-	-	-	1502
11	7	22	-	2	2	2	0.00	-	-	-	-	1393
11	7	23	-	2	2	2	0.00	-	-	-	-	1259
11	7	24	-	2	2	2	0.00	-	-	-	-	1351
11	8	1	-	2	2	2	0.00	-	-	-	-	1062
11	8	2	-	2	2	2	0.00	-	-	-	-	1012
11	8	3	-	2	2	2	0.00	-	-	-	-	985

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	8	4	-	2	2	2	0.00	-	-	-	-	981
11	8	5	-	2	2	2	0.00	-	-	-	-	1006
11	8	6	-	2	2	2	0.00	-	-	-	-	1090
11	8	7	-	2	2	2	0.00	-	-	-	-	1208
11	8	8	-	2	2	2	0.00	-	-	-	-	1279
11	8	9	-	2	2	2	0.00	-	-	-	-	1337
11	8	10	-	2	2	2	0.00	-	-	-	-	1419
11	8	11	-	2	2	2	0.00	-	-	-	-	1493
11	8	12	-	2	2	2	0.00	-	-	-	-	1559
11	8	13	-	2	2	2	0.00	-	-	-	-	1614
11	8	14	-	2	2	2	0.00	-	-	-	-	1669
11	8	15	-	2	2	2	0.00	-	-	-	-	1708
11	8	16	-	2	2	2	0.00	-	-	-	-	1719
11	8	17	-	2	2	2	0.00	-	-	-	-	1705
11	8	18	-	2	2	2	0.00	-	-	-	-	1761
11	8	19	-	2	2	2	0.00	-	-	-	-	1730
11	8	20	-	2	2	2	0.00	-	-	-	-	1664
11	8	21	-	2	2	2	0.00	-	-	-	-	1585
11	8	22	-	2	2	2	0.00	-	-	-	-	1481

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	8	23	-	2	2	2	0.00	-	-	-	-	1350
11	8	24	-	2	2	2	0.00	-	-	-	-	1473
11	9	1	-	2	2	2	0.00	-	-	-	-	1129
11	9	2	-	2	2	2	0.00	-	-	-	-	1064
11	9	3	-	2	2	2	0.00	-	-	-	-	1024
11	9	4	-	2	2	2	0.00	-	-	-	-	1013
11	9	5	-	2	2	2	0.00	-	-	-	-	1034
11	9	6	-	2	2	2	0.00	-	-	-	-	1114
11	9	7	-	2	2	2	0.00	-	-	-	-	1231
11	9	8	-	2	2	2	0.00	-	-	-	-	1318
11	9	9	-	2	2	2	0.00	-	-	-	-	1397
11	9	10	-	2	2	2	0.00	-	-	-	-	1502
11	9	11	-	2	2	2	0.00	-	-	-	-	1608
11	9	12	-	2	2	2	0.00	-	-	-	-	1690
11	9	13	-	2	2	2	0.00	-	-	-	-	1761
11	9	14	-	2	2	2	0.00	-	-	-	-	1839
11	9	15	-	2	2	2	0.00	-	-	-	-	1891
11	9	16	-	2	2	2	0.00	-	-	-	-	1906
11	9	17	-	2	2	2	0.00	-	-	-	-	1871

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	9	18	-	2	2	2	0.00	-	-	-	-	1890
11	9	19	-	2	2	2	0.00	-	-	-	-	1835
11	9	20	-	2	2	2	0.00	-	-	-	-	1750
11	9	21	-	2	2	2	0.00	-	-	-	-	1660
11	9	22	-	2	2	2	0.00	-	-	-	-	1532
11	9	23	-	2	2	2	0.00	-	-	-	-	1383
11	9	24	-	2	2	2	0.00	-	-	-	-	1573
11	10	1	-	2	2	2	0.00	-	-	-	-	1151
11	10	2	-	2	2	2	0.00	-	-	-	-	1089
11	10	3	-	2	2	2	0.00	-	-	-	-	1050
11	10	4	-	2	2	2	0.00	-	-	-	-	1034
11	10	5	-	2	2	2	0.00	-	-	-	-	1053
11	10	6	-	2	2	2	0.00	-	-	-	-	1135
11	10	7	-	2	2	2	0.00	-	-	-	-	1243
11	10	8	-	2	2	2	0.00	-	-	-	-	1323
11	10	9	-	2	2	2	0.00	-	-	-	-	1399
11	10	10	-	2	2	2	0.00	-	-	-	-	1503
11	10	11	-	2	2	2	0.00	-	-	-	-	1600
11	10	12	-	2	2	2	0.00	-	-	-	-	1675

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	10	13	-	2	2	2	0.00	-	-	-	-	1737
11	10	14	-	2	2	2	0.00	-	-	-	-	1797
11	10	15	-	2	2	2	0.00	-	-	-	-	1836
11	10	16	-	2	2	2	0.00	-	-	-	-	1843
11	10	17	-	2	2	2	0.00	-	-	-	-	1800
11	10	18	-	2	2	2	0.00	-	-	-	-	1821
11	10	19	-	2	2	2	0.00	-	-	-	-	1760
11	10	20	-	2	2	2	0.00	-	-	-	-	1677
11	10	21	-	2	2	2	0.00	-	-	-	-	1592
11	10	22	-	2	2	2	0.00	-	-	-	-	1487
11	10	23	-	2	2	2	0.00	-	-	-	-	1354
11	10	24	-	2	2	2	0.00	-	-	-	-	1549
11	11	1	-	2	2	2	0.00	-	-	-	-	1132
11	11	2	-	2	2	2	0.00	-	-	-	-	1070
11	11	3	-	2	2	2	0.00	-	-	-	-	1031
11	11	4	-	2	2	2	0.00	-	-	-	-	1014
11	11	5	-	2	2	2	0.00	-	-	-	-	1027
11	11	6	-	2	2	2	0.00	-	-	-	-	1092
11	11	7	-	2	2	2	0.00	-	-	-	-	1169

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	11	8	-	2	2	2	0.00	-	-	-	-	1245
11	11	9	-	2	2	2	0.00	-	-	-	-	1335
11	11	10	-	2	2	2	0.00	-	-	-	-	1422
11	11	11	-	2	2	2	0.00	-	-	-	-	1503
11	11	12	-	2	2	2	0.00	-	-	-	-	1563
11	11	13	-	2	2	2	0.00	-	-	-	-	1609
11	11	14	-	2	2	2	0.00	-	-	-	-	1658
11	11	15	-	2	2	2	0.00	-	-	-	-	1692
11	11	16	-	2	2	2	0.00	-	-	-	-	1695
11	11	17	-	2	2	2	0.00	-	-	-	-	1666
11	11	18	-	2	2	2	0.00	-	-	-	-	1705
11	11	19	-	2	2	2	0.00	-	-	-	-	1653
11	11	20	-	2	2	2	0.00	-	-	-	-	1578
11	11	21	-	2	2	2	0.00	-	-	-	-	1504
11	11	22	-	2	2	2	0.00	-	-	-	-	1414
11	11	23	-	2	2	2	0.00	-	-	-	-	1299
11	11	24	-	2	2	2	0.00	-	-	-	-	1445
11	12	1	-	2	2	2	0.00	-	-	-	-	1101
11	12	2	-	2	2	2	0.00	-	-	-	-	1041

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	12	3	-	2	2	2	0.00	-	-	-	-	1004
11	12	4	-	2	2	2	0.00	-	-	-	-	984
11	12	5	-	2	2	2	0.00	-	-	-	-	986
11	12	6	-	2	2	2	0.00	-	-	-	-	1018
11	12	7	-	2	2	2	0.00	-	-	-	-	1052
11	12	8	-	2	2	2	0.00	-	-	-	-	1100
11	12	9	-	2	2	2	0.00	-	-	-	-	1182
11	12	10	-	2	2	2	0.00	-	-	-	-	1253
11	12	11	-	2	2	2	0.00	-	-	-	-	1306
11	12	12	-	2	2	2	0.00	-	-	-	-	1337
11	12	13	-	2	2	2	0.00	-	-	-	-	1357
11	12	14	-	2	2	2	0.00	-	-	-	-	1371
11	12	15	-	2	2	2	0.00	-	-	-	-	1374
11	12	16	-	2	2	2	0.00	-	-	-	-	1379
11	12	17	-	2	2	2	0.00	-	-	-	-	1406
11	12	18	-	2	2	2	0.00	-	-	-	-	1507
11	12	19	-	2	2	2	0.00	-	-	-	-	1498
11	12	20	-	2	2	2	0.00	-	-	-	-	1450
11	12	21	-	2	2	2	0.00	-	-	-	-	1396

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	12	22	-	2	2	2	0.00	-	-	-	-	1325
11	12	23	-	2	2	2	0.00	-	-	-	-	1235
11	12	24	-	2	2	2	0.00	-	-	-	-	1281
11	13	1	-	2	2	2	0.00	-	-	-	-	1061
11	13	2	-	2	2	2	0.00	-	-	-	-	1003
11	13	3	-	2	2	2	0.00	-	-	-	-	968
11	13	4	-	2	2	2	0.00	-	-	-	-	948
11	13	5	-	2	2	2	0.00	-	-	-	-	945
11	13	6	-	2	2	2	0.00	-	-	-	-	960
11	13	7	-	2	2	2	0.00	-	-	-	-	977
11	13	8	-	2	2	2	0.00	-	-	-	-	1008
11	13	9	-	2	2	2	0.00	-	-	-	-	1076
11	13	10	-	2	2	2	0.00	-	-	-	-	1146
11	13	11	-	2	2	2	0.00	-	-	-	-	1219
11	13	12	-	2	2	2	0.00	-	-	-	-	1281
11	13	13	-	2	2	2	0.00	-	-	-	-	1332
11	13	14	-	2	2	2	0.00	-	-	-	-	1380
11	13	15	-	2	2	2	0.00	-	-	-	-	1421
11	13	16	-	2	2	2	0.00	-	-	-	-	1444

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	13	17	-	2	2	2	0.00	-	-	-	-	1457
11	13	18	-	2	2	2	0.00	-	-	-	-	1553
11	13	19	-	2	2	2	0.00	-	-	-	-	1543
11	13	20	-	2	2	2	0.00	-	-	-	-	1497
11	13	21	-	2	2	2	0.00	-	-	-	-	1436
11	13	22	-	2	2	2	0.00	-	-	-	-	1337
11	13	23	-	2	2	2	0.00	-	-	-	-	1222
11	13	24	-	2	2	2	0.00	-	-	-	-	1252
11	14	1	-	2	2	2	0.00	-	-	-	-	1039
11	14	2	-	2	2	2	0.00	-	-	-	-	990
11	14	3	-	2	2	2	0.00	-	-	-	-	964
11	14	4	-	2	2	2	0.00	-	-	-	-	958
11	14	5	-	2	2	2	0.00	-	-	-	-	987
11	14	6	-	2	2	2	0.00	-	-	-	-	1070
11	14	7	-	2	2	2	0.00	-	-	-	-	1181
11	14	8	-	2	2	2	0.00	-	-	-	-	1261
11	14	9	-	2	2	2	0.00	-	-	-	-	1332
11	14	10	-	2	2	2	0.00	-	-	-	-	1412
11	14	11	-	2	2	2	0.00	-	-	-	-	1487

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	14	12	-	2	2	2	0.00	-	-	-	-	1538
11	14	13	-	2	2	2	0.00	-	-	-	-	1584
11	14	14	-	2	2	2	0.00	-	-	-	-	1634
11	14	15	-	2	2	2	0.00	-	-	-	-	1660
11	14	16	-	2	2	2	0.00	-	-	-	-	1666
11	14	17	-	2	2	2	0.00	-	-	-	-	1649
11	14	18	-	2	2	2	0.00	-	-	-	-	1711
11	14	19	-	2	2	2	0.00	-	-	-	-	1681
11	14	20	-	2	2	2	0.00	-	-	-	-	1615
11	14	21	-	2	2	2	0.00	-	-	-	-	1535
11	14	22	-	2	2	2	0.00	-	-	-	-	1422
11	14	23	-	2	2	2	0.00	-	-	-	-	1285
11	14	24	-	2	2	2	0.00	-	-	-	-	1424
11	15	1	-	2	2	2	0.00	-	-	-	-	1072
11	15	2	-	2	2	2	0.00	-	-	-	-	1019
11	15	3	-	2	2	2	0.00	-	-	-	-	983
11	15	4	-	2	2	2	0.00	-	-	-	-	970
11	15	5	-	2	2	2	0.00	-	-	-	-	994
11	15	6	-	2	2	2	0.00	-	-	-	-	1073

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	15	7	-	2	2	2	0.00	-	-	-	-	1191
11	15	8	-	2	2	2	0.00	-	-	-	-	1262
11	15	9	-	2	2	2	0.00	-	-	-	-	1309
11	15	10	-	2	2	2	0.00	-	-	-	-	1370
11	15	11	-	2	2	2	0.00	-	-	-	-	1426
11	15	12	-	2	2	2	0.00	-	-	-	-	1459
11	15	13	-	2	2	2	0.00	-	-	-	-	1474
11	15	14	-	2	2	2	0.00	-	-	-	-	1482
11	15	15	-	2	2	2	0.00	-	-	-	-	1480
11	15	16	-	2	2	2	0.00	-	-	-	-	1477
11	15	17	-	2	2	2	0.00	-	-	-	-	1499
11	15	18	-	2	2	2	0.00	-	-	-	-	1609
11	15	19	-	2	2	2	0.00	-	-	-	-	1600
11	15	20	-	2	2	2	0.00	-	-	-	-	1557
11	15	21	-	2	2	2	0.00	-	-	-	-	1489
11	15	22	-	2	2	2	0.00	-	-	-	-	1386
11	15	23	-	2	2	2	0.00	-	-	-	-	1255
11	15	24	-	2	2	2	0.00	-	-	-	-	1345
11	16	1	-	2	2	2	0.00	-	-	-	-	1055

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	16	2	-	2	2	2	0.00	-	-	-	-	1004
11	16	3	-	2	2	2	0.00	-	-	-	-	973
11	16	4	-	2	2	2	0.00	-	-	-	-	962
11	16	5	-	2	2	2	0.00	-	-	-	-	981
11	16	6	-	2	2	2	0.00	-	-	-	-	1061
11	16	7	-	2	2	2	0.00	-	-	-	-	1182
11	16	8	-	2	2	2	0.00	-	-	-	-	1253
11	16	9	-	2	2	2	0.00	-	-	-	-	1309
11	16	10	-	2	2	2	0.00	-	-	-	-	1345
11	16	11	-	2	2	2	0.00	-	-	-	-	1382
11	16	12	-	2	2	2	0.00	-	-	-	-	1393
11	16	13	-	2	2	2	0.00	-	-	-	-	1397
11	16	14	-	2	2	2	0.00	-	-	-	-	1407
11	16	15	-	2	2	2	0.00	-	-	-	-	1410
11	16	16	-	2	2	2	0.00	-	-	-	-	1410
11	16	17	-	2	2	2	0.00	-	-	-	-	1442
11	16	18	-	2	2	2	0.00	-	-	-	-	1570
11	16	19	-	2	2	2	0.00	-	-	-	-	1568
11	16	20	-	2	2	2	0.00	-	-	-	-	1527

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	16	21	-	2	2	2	0.00	-	-	-	-	1473
11	16	22	-	2	2	2	0.00	-	-	-	-	1378
11	16	23	-	2	2	2	0.00	-	-	-	-	1258
11	16	24	-	2	2	2	0.00	-	-	-	-	1291
11	17	1	-	2	2	2	0.00	-	-	-	-	1063
11	17	2	-	2	2	2	0.00	-	-	-	-	1016
11	17	3	-	2	2	2	0.00	-	-	-	-	984
11	17	4	-	2	2	2	0.00	-	-	-	-	973
11	17	5	-	2	2	2	0.00	-	-	-	-	998
11	17	6	-	2	2	2	0.00	-	-	-	-	1086
11	17	7	-	2	2	2	0.00	-	-	-	-	1204
11	17	8	-	2	2	2	0.00	-	-	-	-	1271
11	17	9	-	2	2	2	0.00	-	-	-	-	1309
11	17	10	-	2	2	2	0.00	-	-	-	-	1346
11	17	11	-	2	2	2	0.00	-	-	-	-	1379
11	17	12	-	2	2	2	0.00	-	-	-	-	1390
11	17	13	-	2	2	2	0.00	-	-	-	-	1390
11	17	14	-	2	2	2	0.00	-	-	-	-	1400
11	17	15	-	2	2	2	0.00	-	-	-	-	1404

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	17	16	-	2	2	2	0.00	-	-	-	-	1404
11	17	17	-	2	2	2	0.00	-	-	-	-	1444
11	17	18	-	2	2	2	0.00	-	-	-	-	1567
11	17	19	-	2	2	2	0.00	-	-	-	-	1571
11	17	20	-	2	2	2	0.00	-	-	-	-	1534
11	17	21	-	2	2	2	0.00	-	-	-	-	1477
11	17	22	-	2	2	2	0.00	-	-	-	-	1385
11	17	23	-	2	2	2	0.00	-	-	-	-	1261
11	17	24	-	2	2	2	0.00	-	-	-	-	1288
11	18	1	-	2	2	2	0.00	-	-	-	-	1069
11	18	2	-	2	2	2	0.00	-	-	-	-	1020
11	18	3	-	2	2	2	0.00	-	-	-	-	987
11	18	4	-	2	2	2	0.00	-	-	-	-	975
11	18	5	-	2	2	2	0.00	-	-	-	-	1000
11	18	6	-	2	2	2	0.00	-	-	-	-	1083
11	18	7	-	2	2	2	0.00	-	-	-	-	1203
11	18	8	-	2	2	2	0.00	-	-	-	-	1273
11	18	9	-	2	2	2	0.00	-	-	-	-	1308
11	18	10	-	2	2	2	0.00	-	-	-	-	1349

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	18	11	-	2	2	2	0.00	-	-	-	-	1380
11	18	12	-	2	2	2	0.00	-	-	-	-	1399
11	18	13	-	2	2	2	0.00	-	-	-	-	1407
11	18	14	-	2	2	2	0.00	-	-	-	-	1419
11	18	15	-	2	2	2	0.00	-	-	-	-	1417
11	18	16	-	2	2	2	0.00	-	-	-	-	1415
11	18	17	-	2	2	2	0.00	-	-	-	-	1438
11	18	18	-	2	2	2	0.00	-	-	-	-	1543
11	18	19	-	2	2	2	0.00	-	-	-	-	1530
11	18	20	-	2	2	2	0.00	-	-	-	-	1484
11	18	21	-	2	2	2	0.00	-	-	-	-	1432
11	18	22	-	2	2	2	0.00	-	-	-	-	1361
11	18	23	-	2	2	2	0.00	-	-	-	-	1259
11	18	24	-	2	2	2	0.00	-	-	-	-	1304
11	19	1	-	2	2	2	0.00	-	-	-	-	1075
11	19	2	-	2	2	2	0.00	-	-	-	-	1021
11	19	3	-	2	2	2	0.00	-	-	-	-	990
11	19	4	-	2	2	2	0.00	-	-	-	-	974
11	19	5	-	2	2	2	0.00	-	-	-	-	979

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	19	6	-	2	2	2	0.00	-	-	-	-	1019
11	19	7	-	2	2	2	0.00	-	-	-	-	1069
11	19	8	-	2	2	2	0.00	-	-	-	-	1117
11	19	9	-	2	2	2	0.00	-	-	-	-	1175
11	19	10	-	2	2	2	0.00	-	-	-	-	1223
11	19	11	-	2	2	2	0.00	-	-	-	-	1254
11	19	12	-	2	2	2	0.00	-	-	-	-	1259
11	19	13	-	2	2	2	0.00	-	-	-	-	1257
11	19	14	-	2	2	2	0.00	-	-	-	-	1246
11	19	15	-	2	2	2	0.00	-	-	-	-	1235
11	19	16	-	2	2	2	0.00	-	-	-	-	1239
11	19	17	-	2	2	2	0.00	-	-	-	-	1293
11	19	18	-	2	2	2	0.00	-	-	-	-	1424
11	19	19	-	2	2	2	0.00	-	-	-	-	1427
11	19	20	-	2	2	2	0.00	-	-	-	-	1392
11	19	21	-	2	2	2	0.00	-	-	-	-	1355
11	19	22	-	2	2	2	0.00	-	-	-	-	1292
11	19	23	-	2	2	2	0.00	-	-	-	-	1208
11	19	24	-	2	2	2	0.00	-	-	-	-	1205

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	20	1	-	2	2	2	0.00	-	-	-	-	1038
11	20	2	-	2	2	2	0.00	-	-	-	-	987
11	20	3	-	2	2	2	0.00	-	-	-	-	953
11	20	4	-	2	2	2	0.00	-	-	-	-	934
11	20	5	-	2	2	2	0.00	-	-	-	-	932
11	20	6	-	2	2	2	0.00	-	-	-	-	954
11	20	7	-	2	2	2	0.00	-	-	-	-	988
11	20	8	-	2	2	2	0.00	-	-	-	-	1029
11	20	9	-	2	2	2	0.00	-	-	-	-	1083
11	20	10	-	2	2	2	0.00	-	-	-	-	1127
11	20	11	-	2	2	2	0.00	-	-	-	-	1157
11	20	12	-	2	2	2	0.00	-	-	-	-	1180
11	20	13	-	2	2	2	0.00	-	-	-	-	1190
11	20	14	-	2	2	2	0.00	-	-	-	-	1203
11	20	15	-	2	2	2	0.00	-	-	-	-	1210
11	20	16	-	2	2	2	0.00	-	-	-	-	1230
11	20	17	-	2	2	2	0.00	-	-	-	-	1309
11	20	18	-	2	2	2	0.00	-	-	-	-	1426
11	20	19	-	2	2	2	0.00	-	-	-	-	1437

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	20	20	-	2	2	2	0.00	-	-	-	-	1416
11	20	21	-	2	2	2	0.00	-	-	-	-	1371
11	20	22	-	2	2	2	0.00	-	-	-	-	1294
11	20	23	-	2	2	2	0.00	-	-	-	-	1194
11	20	24	-	2	2	2	0.00	-	-	-	-	1151
11	21	1	-	2	2	2	0.00	-	-	-	-	1017
11	21	2	-	2	2	2	0.00	-	-	-	-	972
11	21	3	-	2	2	2	0.00	-	-	-	-	946
11	21	4	-	2	2	2	0.00	-	-	-	-	939
11	21	5	-	2	2	2	0.00	-	-	-	-	967
11	21	6	-	2	2	2	0.00	-	-	-	-	1046
11	21	7	-	2	2	2	0.00	-	-	-	-	1159
11	21	8	-	2	2	2	0.00	-	-	-	-	1233
11	21	9	-	2	2	2	0.00	-	-	-	-	1294
11	21	10	-	2	2	2	0.00	-	-	-	-	1338
11	21	11	-	2	2	2	0.00	-	-	-	-	1367
11	21	12	-	2	2	2	0.00	-	-	-	-	1374
11	21	13	-	2	2	2	0.00	-	-	-	-	1376
11	21	14	-	2	2	2	0.00	-	-	-	-	1375

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	21	15	-	2	2	2	0.00	-	-	-	-	1374
11	21	16	-	2	2	2	0.00	-	-	-	-	1375
11	21	17	-	2	2	2	0.00	-	-	-	-	1416
11	21	18	-	2	2	2	0.00	-	-	-	-	1552
11	21	19	-	2	2	2	0.00	-	-	-	-	1551
11	21	20	-	2	2	2	0.00	-	-	-	-	1514
11	21	21	-	2	2	2	0.00	-	-	-	-	1464
11	21	22	-	2	2	2	0.00	-	-	-	-	1377
11	21	23	-	2	2	2	0.00	-	-	-	-	1259
11	21	24	-	2	2	2	0.00	-	-	-	-	1284
11	22	1	-	2	2	2	0.00	-	-	-	-	1057
11	22	2	-	2	2	2	0.00	-	-	-	-	1003
11	22	3	-	2	2	2	0.00	-	-	-	-	974
11	22	4	-	2	2	2	0.00	-	-	-	-	965
11	22	5	-	2	2	2	0.00	-	-	-	-	989
11	22	6	-	2	2	2	0.00	-	-	-	-	1067
11	22	7	-	2	2	2	0.00	-	-	-	-	1178
11	22	8	-	2	2	2	0.00	-	-	-	-	1252
11	22	9	-	2	2	2	0.00	-	-	-	-	1299

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	22	10	-	2	2	2	0.00	-	-	-	-	1335
11	22	11	-	2	2	2	0.00	-	-	-	-	1362
11	22	12	-	2	2	2	0.00	-	-	-	-	1374
11	22	13	-	2	2	2	0.00	-	-	-	-	1373
11	22	14	-	2	2	2	0.00	-	-	-	-	1378
11	22	15	-	2	2	2	0.00	-	-	-	-	1375
11	22	16	-	2	2	2	0.00	-	-	-	-	1376
11	22	17	-	2	2	2	0.00	-	-	-	-	1423
11	22	18	-	2	2	2	0.00	-	-	-	-	1548
11	22	19	-	2	2	2	0.00	-	-	-	-	1545
11	22	20	-	2	2	2	0.00	-	-	-	-	1511
11	22	21	-	2	2	2	0.00	-	-	-	-	1463
11	22	22	-	2	2	2	0.00	-	-	-	-	1384
11	22	23	-	2	2	2	0.00	-	-	-	-	1273
11	22	24	-	2	2	2	0.00	-	-	-	-	1285
11	23	1	-	2	2	2	0.00	-	-	-	-	1069
11	23	2	-	2	2	2	0.00	-	-	-	-	1015
11	23	3	-	2	2	2	0.00	-	-	-	-	983
11	23	4	-	2	2	2	0.00	-	-	-	-	975

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	23	5	-	2	2	2	0.00	-	-	-	-	1007
11	23	6	-	2	2	2	0.00	-	-	-	-	1082
11	23	7	-	2	2	2	0.00	-	-	-	-	1180
11	23	8	-	2	2	2	0.00	-	-	-	-	1250
11	23	9	-	2	2	2	0.00	-	-	-	-	1304
11	23	10	-	2	2	2	0.00	-	-	-	-	1342
11	23	11	-	2	2	2	0.00	-	-	-	-	1366
11	23	12	-	2	2	2	0.00	-	-	-	-	1374
11	23	13	-	2	2	2	0.00	-	-	-	-	1365
11	23	14	-	2	2	2	0.00	-	-	-	-	1366
11	23	15	-	2	2	2	0.00	-	-	-	-	1360
11	23	16	-	2	2	2	0.00	-	-	-	-	1358
11	23	17	-	2	2	2	0.00	-	-	-	-	1414
11	23	18	-	2	2	2	0.00	-	-	-	-	1541
11	23	19	-	2	2	2	0.00	-	-	-	-	1537
11	23	20	-	2	2	2	0.00	-	-	-	-	1497
11	23	21	-	2	2	2	0.00	-	-	-	-	1451
11	23	22	-	2	2	2	0.00	-	-	-	-	1379
11	23	23	-	2	2	2	0.00	-	-	-	-	1274

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	23	24	-	2	2	2	0.00	-	-	-	-	1279
11	24	1	-	2	2	2	0.00	-	-	-	-	1072
11	24	2	-	2	2	2	0.00	-	-	-	-	1013
11	24	3	-	2	2	2	0.00	-	-	-	-	974
11	24	4	-	2	2	2	0.00	-	-	-	-	957
11	24	5	-	2	2	2	0.00	-	-	-	-	962
11	24	6	-	2	2	2	0.00	-	-	-	-	994
11	24	7	-	2	2	2	0.00	-	-	-	-	1029
11	24	8	-	2	2	2	0.00	-	-	-	-	1064
11	24	9	-	2	2	2	0.00	-	-	-	-	1120
11	24	10	-	2	2	2	0.00	-	-	-	-	1171
11	24	11	-	2	2	2	0.00	-	-	-	-	1214
11	24	12	-	2	2	2	0.00	-	-	-	-	1241
11	24	13	-	2	2	2	0.00	-	-	-	-	1259
11	24	14	-	2	2	2	0.00	-	-	-	-	1263
11	24	15	-	2	2	2	0.00	-	-	-	-	1261
11	24	16	-	2	2	2	0.00	-	-	-	-	1257
11	24	17	-	2	2	2	0.00	-	-	-	-	1278
11	24	18	-	2	2	2	0.00	-	-	-	-	1351

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	24	19	-	2	2	2	0.00	-	-	-	-	1322
11	24	20	-	2	2	2	0.00	-	-	-	-	1292
11	24	21	-	2	2	2	0.00	-	-	-	-	1262
11	24	22	-	2	2	2	0.00	-	-	-	-	1221
11	24	23	-	2	2	2	0.00	-	-	-	-	1161
11	24	24	-	2	2	2	0.00	-	-	-	-	1195
11	25	1	-	2	2	2	0.00	-	-	-	-	1023
11	25	2	-	2	2	2	0.00	-	-	-	-	975
11	25	3	-	2	2	2	0.00	-	-	-	-	945
11	25	4	-	2	2	2	0.00	-	-	-	-	935
11	25	5	-	2	2	2	0.00	-	-	-	-	948
11	25	6	-	2	2	2	0.00	-	-	-	-	992
11	25	7	-	2	2	2	0.00	-	-	-	-	1042
11	25	8	-	2	2	2	0.00	-	-	-	-	1080
11	25	9	-	2	2	2	0.00	-	-	-	-	1124
11	25	10	-	2	2	2	0.00	-	-	-	-	1168
11	25	11	-	2	2	2	0.00	-	-	-	-	1201
11	25	12	-	2	2	2	0.00	-	-	-	-	1214
11	25	13	-	2	2	2	0.00	-	-	-	-	1220

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	25	14	-	2	2	2	0.00	-	-	-	-	1221
11	25	15	-	2	2	2	0.00	-	-	-	-	1221
11	25	16	-	2	2	2	0.00	-	-	-	-	1228
11	25	17	-	2	2	2	0.00	-	-	-	-	1286
11	25	18	-	2	2	2	0.00	-	-	-	-	1422
11	25	19	-	2	2	2	0.00	-	-	-	-	1420
11	25	20	-	2	2	2	0.00	-	-	-	-	1388
11	25	21	-	2	2	2	0.00	-	-	-	-	1351
11	25	22	-	2	2	2	0.00	-	-	-	-	1293
11	25	23	-	2	2	2	0.00	-	-	-	-	1214
11	25	24	-	2	2	2	0.00	-	-	-	-	1174
11	26	1	-	2	2	2	0.00	-	-	-	-	1047
11	26	2	-	2	2	2	0.00	-	-	-	-	998
11	26	3	-	2	2	2	0.00	-	-	-	-	967
11	26	4	-	2	2	2	0.00	-	-	-	-	953
11	26	5	-	2	2	2	0.00	-	-	-	-	961
11	26	6	-	2	2	2	0.00	-	-	-	-	994
11	26	7	-	2	2	2	0.00	-	-	-	-	1045
11	26	8	-	2	2	2	0.00	-	-	-	-	1080

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	26	9	-	2	2	2	0.00	-	-	-	-	1135
11	26	10	-	2	2	2	0.00	-	-	-	-	1178
11	26	11	-	2	2	2	0.00	-	-	-	-	1204
11	26	12	-	2	2	2	0.00	-	-	-	-	1221
11	26	13	-	2	2	2	0.00	-	-	-	-	1246
11	26	14	-	2	2	2	0.00	-	-	-	-	1285
11	26	15	-	2	2	2	0.00	-	-	-	-	1297
11	26	16	-	2	2	2	0.00	-	-	-	-	1286
11	26	17	-	2	2	2	0.00	-	-	-	-	1346
11	26	18	-	2	2	2	0.00	-	-	-	-	1458
11	26	19	-	2	2	2	0.00	-	-	-	-	1460
11	26	20	-	2	2	2	0.00	-	-	-	-	1438
11	26	21	-	2	2	2	0.00	-	-	-	-	1408
11	26	22	-	2	2	2	0.00	-	-	-	-	1346
11	26	23	-	2	2	2	0.00	-	-	-	-	1258
11	26	24	-	2	2	2	0.00	-	-	-	-	1217
11	27	1	-	2	2	2	0.00	-	-	-	-	1078
11	27	2	-	2	2	2	0.00	-	-	-	-	1021
11	27	3	-	2	2	2	0.00	-	-	-	-	984

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	27	4	-	2	2	2	0.00	-	-	-	-	965
11	27	5	-	2	2	2	0.00	-	-	-	-	964
11	27	6	-	2	2	2	0.00	-	-	-	-	987
11	27	7	-	2	2	2	0.00	-	-	-	-	1019
11	27	8	-	2	2	2	0.00	-	-	-	-	1059
11	27	9	-	2	2	2	0.00	-	-	-	-	1121
11	27	10	-	2	2	2	0.00	-	-	-	-	1178
11	27	11	-	2	2	2	0.00	-	-	-	-	1208
11	27	12	-	2	2	2	0.00	-	-	-	-	1221
11	27	13	-	2	2	2	0.00	-	-	-	-	1217
11	27	14	-	2	2	2	0.00	-	-	-	-	1202
11	27	15	-	2	2	2	0.00	-	-	-	-	1194
11	27	16	-	2	2	2	0.00	-	-	-	-	1211
11	27	17	-	2	2	2	0.00	-	-	-	-	1299
11	27	18	-	2	2	2	0.00	-	-	-	-	1469
11	27	19	-	2	2	2	0.00	-	-	-	-	1498
11	27	20	-	2	2	2	0.00	-	-	-	-	1488
11	27	21	-	2	2	2	0.00	-	-	-	-	1455
11	27	22	-	2	2	2	0.00	-	-	-	-	1372

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	27	23	-	2	2	2	0.00	-	-	-	-	1257
11	27	24	-	2	2	2	0.00	-	-	-	-	1189
11	28	1	-	2	2	2	0.00	-	-	-	-	1066
11	28	2	-	2	2	2	0.00	-	-	-	-	1019
11	28	3	-	2	2	2	0.00	-	-	-	-	996
11	28	4	-	2	2	2	0.00	-	-	-	-	994
11	28	5	-	2	2	2	0.00	-	-	-	-	1030
11	28	6	-	2	2	2	0.00	-	-	-	-	1128
11	28	7	-	2	2	2	0.00	-	-	-	-	1271
11	28	8	-	2	2	2	0.00	-	-	-	-	1351
11	28	9	-	2	2	2	0.00	-	-	-	-	1374
11	28	10	-	2	2	2	0.00	-	-	-	-	1389
11	28	11	-	2	2	2	0.00	-	-	-	-	1391
11	28	12	-	2	2	2	0.00	-	-	-	-	1379
11	28	13	-	2	2	2	0.00	-	-	-	-	1370
11	28	14	-	2	2	2	0.00	-	-	-	-	1366
11	28	15	-	2	2	2	0.00	-	-	-	-	1352
11	28	16	-	2	2	2	0.00	-	-	-	-	1361
11	28	17	-	2	2	2	0.00	-	-	-	-	1440

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	28	18	-	2	2	2	0.00	-	-	-	-	1613
11	28	19	-	2	2	2	0.00	-	-	-	-	1643
11	28	20	-	2	2	2	0.00	-	-	-	-	1622
11	28	21	-	2	2	2	0.00	-	-	-	-	1575
11	28	22	-	2	2	2	0.00	-	-	-	-	1484
11	28	23	-	2	2	2	0.00	-	-	-	-	1346
11	28	24	-	2	2	2	0.00	-	-	-	-	1304
11	29	1	-	2	2	2	0.00	-	-	-	-	1118
11	29	2	-	2	2	2	0.00	-	-	-	-	1062
11	29	3	-	2	2	2	0.00	-	-	-	-	1028
11	29	4	-	2	2	2	0.00	-	-	-	-	1019
11	29	5	-	2	2	2	0.00	-	-	-	-	1048
11	29	6	-	2	2	2	0.00	-	-	-	-	1145
11	29	7	-	2	2	2	0.00	-	-	-	-	1287
11	29	8	-	2	2	2	0.00	-	-	-	-	1353
11	29	9	-	2	2	2	0.00	-	-	-	-	1360
11	29	10	-	2	2	2	0.00	-	-	-	-	1373
11	29	11	-	2	2	2	0.00	-	-	-	-	1381
11	29	12	-	2	2	2	0.00	-	-	-	-	1380

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	29	13	-	2	2	2	0.00	-	-	-	-	1369
11	29	14	-	2	2	2	0.00	-	-	-	-	1361
11	29	15	-	2	2	2	0.00	-	-	-	-	1356
11	29	16	-	2	2	2	0.00	-	-	-	-	1364
11	29	17	-	2	2	2	0.00	-	-	-	-	1434
11	29	18	-	2	2	2	0.00	-	-	-	-	1600
11	29	19	-	2	2	2	0.00	-	-	-	-	1625
11	29	20	-	2	2	2	0.00	-	-	-	-	1608
11	29	21	-	2	2	2	0.00	-	-	-	-	1566
11	29	22	-	2	2	2	0.00	-	-	-	-	1473
11	29	23	-	2	2	2	0.00	-	-	-	-	1340
11	29	24	-	2	2	2	0.00	-	-	-	-	1302
11	30	1	-	2	2	2	0.00	-	-	-	-	1123
11	30	2	-	2	2	2	0.00	-	-	-	-	1074
11	30	3	-	2	2	2	0.00	-	-	-	-	1042
11	30	4	-	2	2	2	0.00	-	-	-	-	1038
11	30	5	-	2	2	2	0.00	-	-	-	-	1071
11	30	6	-	2	2	2	0.00	-	-	-	-	1168
11	30	7	-	2	2	2	0.00	-	-	-	-	1320

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
11	30	8	-	2	2	2	0.00	-	-	-	-	1391
11	30	9	-	2	2	2	0.00	-	-	-	-	1391
11	30	10	-	2	2	2	0.00	-	-	-	-	1390
11	30	11	-	2	2	2	0.00	-	-	-	-	1399
11	30	12	-	2	2	2	0.00	-	-	-	-	1390
11	30	13	-	2	2	2	0.00	-	-	-	-	1376
11	30	14	-	2	2	2	0.00	-	-	-	-	1367
11	30	15	-	2	2	2	0.00	-	-	-	-	1358
11	30	16	-	2	2	2	0.00	-	-	-	-	1370
11	30	17	-	2	2	2	0.00	-	-	-	-	1451
11	30	18	-	2	2	2	0.00	-	-	-	-	1616
11	30	19	-	2	2	2	0.00	-	-	-	-	1638
11	30	20	-	2	2	2	0.00	-	-	-	-	1621
11	30	21	-	2	2	2	0.00	-	-	-	-	1579
11	30	22	-	2	2	2	0.00	-	-	-	-	1491
11	30	23	-	2	2	2	0.00	-	-	-	-	1358
11	30	24	-	2	2	2	0.00	-	-	-	-	1310
12	1	1	-	34	34	34	0.00	-	-	-	-	1132
12	1	2	-	34	34	34	0.00	-	-	-	-	1076

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	1	3	-	34	34	34	0.00	-	-	-	-	1041
12	1	4	-	34	34	34	0.00	-	-	-	-	1029
12	1	5	-	34	34	34	0.00	-	-	-	-	1058
12	1	6	-	34	34	34	0.00	-	-	-	-	1152
12	1	7	-	34	34	34	0.00	-	-	-	-	1299
12	1	8	-	34	34	34	0.00	-	-	-	-	1373
12	1	9	-	34	34	34	0.00	-	-	-	-	1393
12	1	10	-	34	34	34	0.00	-	-	-	-	1403
12	1	11	-	34	34	34	0.00	-	-	-	-	1402
12	1	12	-	34	34	34	0.00	-	-	-	-	1389
12	1	13	-	34	34	34	0.00	-	-	-	-	1375
12	1	14	-	34	34	34	0.00	-	-	-	-	1371
12	1	15	-	34	34	34	0.00	-	-	-	-	1362
12	1	16	-	34	34	34	0.00	-	-	-	-	1369
12	1	17	-	34	34	34	0.00	-	-	-	-	1447
12	1	18	-	34	34	34	0.00	-	-	-	-	1615
12	1	19	-	34	34	34	0.00	-	-	-	-	1636
12	1	20	-	34	34	34	0.00	-	-	-	-	1620
12	1	21	-	34	34	34	0.00	-	-	-	-	1581

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	1	22	-	34	34	34	0.00	-	-	-	-	1493
12	1	23	-	34	34	34	0.00	-	-	-	-	1365
12	1	24	-	34	34	34	0.00	-	-	-	-	1310
12	2	1	-	34	34	34	0.00	-	-	-	-	1141
12	2	2	-	34	34	34	0.00	-	-	-	-	1082
12	2	3	-	34	34	34	0.00	-	-	-	-	1047
12	2	4	-	34	34	34	0.00	-	-	-	-	1043
12	2	5	-	34	34	34	0.00	-	-	-	-	1072
12	2	6	-	34	34	34	0.00	-	-	-	-	1166
12	2	7	-	34	34	34	0.00	-	-	-	-	1311
12	2	8	-	34	34	34	0.00	-	-	-	-	1380
12	2	9	-	34	34	34	0.00	-	-	-	-	1388
12	2	10	-	34	34	34	0.00	-	-	-	-	1400
12	2	11	-	34	34	34	0.00	-	-	-	-	1406
12	2	12	-	34	34	34	0.00	-	-	-	-	1399
12	2	13	-	34	34	34	0.00	-	-	-	-	1380
12	2	14	-	34	34	34	0.00	-	-	-	-	1372
12	2	15	-	34	34	34	0.00	-	-	-	-	1361
12	2	16	-	34	34	34	0.00	-	-	-	-	1372

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	2	17	-	34	34	34	0.00	-	-	-	-	1452
12	2	18	-	34	34	34	0.00	-	-	-	-	1611
12	2	19	-	34	34	34	0.00	-	-	-	-	1624
12	2	20	-	34	34	34	0.00	-	-	-	-	1595
12	2	21	-	34	34	34	0.00	-	-	-	-	1567
12	2	22	-	34	34	34	0.00	-	-	-	-	1500
12	2	23	-	34	34	34	0.00	-	-	-	-	1397
12	2	24	-	34	34	34	0.00	-	-	-	-	1328
12	3	1	-	34	34	34	0.00	-	-	-	-	1177
12	3	2	-	34	34	34	0.00	-	-	-	-	1114
12	3	3	-	34	34	34	0.00	-	-	-	-	1078
12	3	4	-	34	34	34	0.00	-	-	-	-	1064
12	3	5	-	34	34	34	0.00	-	-	-	-	1073
12	3	6	-	34	34	34	0.00	-	-	-	-	1118
12	3	7	-	34	34	34	0.00	-	-	-	-	1182
12	3	8	-	34	34	34	0.00	-	-	-	-	1229
12	3	9	-	34	34	34	0.00	-	-	-	-	1271
12	3	10	-	34	34	34	0.00	-	-	-	-	1297
12	3	11	-	34	34	34	0.00	-	-	-	-	1295

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	3	12	-	34	34	34	0.00	-	-	-	-	1281
12	3	13	-	34	34	34	0.00	-	-	-	-	1261
12	3	14	-	34	34	34	0.00	-	-	-	-	1239
12	3	15	-	34	34	34	0.00	-	-	-	-	1227
12	3	16	-	34	34	34	0.00	-	-	-	-	1235
12	3	17	-	34	34	34	0.00	-	-	-	-	1315
12	3	18	-	34	34	34	0.00	-	-	-	-	1489
12	3	19	-	34	34	34	0.00	-	-	-	-	1507
12	3	20	-	34	34	34	0.00	-	-	-	-	1491
12	3	21	-	34	34	34	0.00	-	-	-	-	1465
12	3	22	-	34	34	34	0.00	-	-	-	-	1411
12	3	23	-	34	34	34	0.00	-	-	-	-	1326
12	3	24	-	34	34	34	0.00	-	-	-	-	1241
12	4	1	-	34	34	34	0.00	-	-	-	-	1133
12	4	2	-	34	34	34	0.00	-	-	-	-	1071
12	4	3	-	34	34	34	0.00	-	-	-	-	1035
12	4	4	-	34	34	34	0.00	-	-	-	-	1017
12	4	5	-	34	34	34	0.00	-	-	-	-	1018
12	4	6	-	34	34	34	0.00	-	-	-	-	1044

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	4	7	-	34	34	34	0.00	-	-	-	-	1088
12	4	8	-	34	34	34	0.00	-	-	-	-	1121
12	4	9	-	34	34	34	0.00	-	-	-	-	1159
12	4	10	-	34	34	34	0.00	-	-	-	-	1182
12	4	11	-	34	34	34	0.00	-	-	-	-	1194
12	4	12	-	34	34	34	0.00	-	-	-	-	1193
12	4	13	-	34	34	34	0.00	-	-	-	-	1188
12	4	14	-	34	34	34	0.00	-	-	-	-	1185
12	4	15	-	34	34	34	0.00	-	-	-	-	1187
12	4	16	-	34	34	34	0.00	-	-	-	-	1207
12	4	17	-	34	34	34	0.00	-	-	-	-	1297
12	4	18	-	34	34	34	0.00	-	-	-	-	1490
12	4	19	-	34	34	34	0.00	-	-	-	-	1523
12	4	20	-	34	34	34	0.00	-	-	-	-	1512
12	4	21	-	34	34	34	0.00	-	-	-	-	1477
12	4	22	-	34	34	34	0.00	-	-	-	-	1395
12	4	23	-	34	34	34	0.00	-	-	-	-	1275
12	4	24	-	34	34	34	0.00	-	-	-	-	1172
12	5	1	-	34	34	34	0.00	-	-	-	-	1077

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	5	2	-	34	34	34	0.00	-	-	-	-	1032
12	5	3	-	34	34	34	0.00	-	-	-	-	1009
12	5	4	-	34	34	34	0.00	-	-	-	-	1009
12	5	5	-	34	34	34	0.00	-	-	-	-	1044
12	5	6	-	34	34	34	0.00	-	-	-	-	1140
12	5	7	-	34	34	34	0.00	-	-	-	-	1290
12	5	8	-	34	34	34	0.00	-	-	-	-	1367
12	5	9	-	34	34	34	0.00	-	-	-	-	1396
12	5	10	-	34	34	34	0.00	-	-	-	-	1414
12	5	11	-	34	34	34	0.00	-	-	-	-	1422
12	5	12	-	34	34	34	0.00	-	-	-	-	1414
12	5	13	-	34	34	34	0.00	-	-	-	-	1397
12	5	14	-	34	34	34	0.00	-	-	-	-	1388
12	5	15	-	34	34	34	0.00	-	-	-	-	1381
12	5	16	-	34	34	34	0.00	-	-	-	-	1388
12	5	17	-	34	34	34	0.00	-	-	-	-	1466
12	5	18	-	34	34	34	0.00	-	-	-	-	1652
12	5	19	-	34	34	34	0.00	-	-	-	-	1677
12	5	20	-	34	34	34	0.00	-	-	-	-	1656

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	5	21	-	34	34	34	0.00	-	-	-	-	1606
12	5	22	-	34	34	34	0.00	-	-	-	-	1513
12	5	23	-	34	34	34	0.00	-	-	-	-	1371
12	5	24	-	34	34	34	0.00	-	-	-	-	1324
12	6	1	-	34	34	34	0.00	-	-	-	-	1125
12	6	2	-	34	34	34	0.00	-	-	-	-	1068
12	6	3	-	34	34	34	0.00	-	-	-	-	1034
12	6	4	-	34	34	34	0.00	-	-	-	-	1027
12	6	5	-	34	34	34	0.00	-	-	-	-	1052
12	6	6	-	34	34	34	0.00	-	-	-	-	1149
12	6	7	-	34	34	34	0.00	-	-	-	-	1298
12	6	8	-	34	34	34	0.00	-	-	-	-	1384
12	6	9	-	34	34	34	0.00	-	-	-	-	1399
12	6	10	-	34	34	34	0.00	-	-	-	-	1411
12	6	11	-	34	34	34	0.00	-	-	-	-	1421
12	6	12	-	34	34	34	0.00	-	-	-	-	1414
12	6	13	-	34	34	34	0.00	-	-	-	-	1405
12	6	14	-	34	34	34	0.00	-	-	-	-	1392
12	6	15	-	34	34	34	0.00	-	-	-	-	1390

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	6	16	-	34	34	34	0.00	-	-	-	-	1407
12	6	17	-	34	34	34	0.00	-	-	-	-	1499
12	6	18	-	34	34	34	0.00	-	-	-	-	1662
12	6	19	-	34	34	34	0.00	-	-	-	-	1681
12	6	20	-	34	34	34	0.00	-	-	-	-	1661
12	6	21	-	34	34	34	0.00	-	-	-	-	1611
12	6	22	-	34	34	34	0.00	-	-	-	-	1515
12	6	23	-	34	34	34	0.00	-	-	-	-	1371
12	6	24	-	34	34	34	0.00	-	-	-	-	1333
12	7	1	-	34	34	34	0.00	-	-	-	-	1138
12	7	2	-	34	34	34	0.00	-	-	-	-	1084
12	7	3	-	34	34	34	0.00	-	-	-	-	1052
12	7	4	-	34	34	34	0.00	-	-	-	-	1043
12	7	5	-	34	34	34	0.00	-	-	-	-	1070
12	7	6	-	34	34	34	0.00	-	-	-	-	1165
12	7	7	-	34	34	34	0.00	-	-	-	-	1312
12	7	8	-	34	34	34	0.00	-	-	-	-	1390
12	7	9	-	34	34	34	0.00	-	-	-	-	1413
12	7	10	-	34	34	34	0.00	-	-	-	-	1418

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	7	11	-	34	34	34	0.00	-	-	-	-	1420
12	7	12	-	34	34	34	0.00	-	-	-	-	1414
12	7	13	-	34	34	34	0.00	-	-	-	-	1399
12	7	14	-	34	34	34	0.00	-	-	-	-	1392
12	7	15	-	34	34	34	0.00	-	-	-	-	1396
12	7	16	-	34	34	34	0.00	-	-	-	-	1402
12	7	17	-	34	34	34	0.00	-	-	-	-	1488
12	7	18	-	34	34	34	0.00	-	-	-	-	1666
12	7	19	-	34	34	34	0.00	-	-	-	-	1688
12	7	20	-	34	34	34	0.00	-	-	-	-	1669
12	7	21	-	34	34	34	0.00	-	-	-	-	1624
12	7	22	-	34	34	34	0.00	-	-	-	-	1532
12	7	23	-	34	34	34	0.00	-	-	-	-	1397
12	7	24	-	34	34	34	0.00	-	-	-	-	1336
12	8	1	-	34	34	34	0.00	-	-	-	-	1154
12	8	2	-	34	34	34	0.00	-	-	-	-	1099
12	8	3	-	34	34	34	0.00	-	-	-	-	1064
12	8	4	-	34	34	34	0.00	-	-	-	-	1055
12	8	5	-	34	34	34	0.00	-	-	-	-	1083

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	8	6	-	34	34	34	0.00	-	-	-	-	1175
12	8	7	-	34	34	34	0.00	-	-	-	-	1324
12	8	8	-	34	34	34	0.00	-	-	-	-	1398
12	8	9	-	34	34	34	0.00	-	-	-	-	1397
12	8	10	-	34	34	34	0.00	-	-	-	-	1404
12	8	11	-	34	34	34	0.00	-	-	-	-	1410
12	8	12	-	34	34	34	0.00	-	-	-	-	1404
12	8	13	-	34	34	34	0.00	-	-	-	-	1391
12	8	14	-	34	34	34	0.00	-	-	-	-	1382
12	8	15	-	34	34	34	0.00	-	-	-	-	1377
12	8	16	-	34	34	34	0.00	-	-	-	-	1391
12	8	17	-	34	34	34	0.00	-	-	-	-	1478
12	8	18	-	34	34	34	0.00	-	-	-	-	1647
12	8	19	-	34	34	34	0.00	-	-	-	-	1662
12	8	20	-	34	34	34	0.00	-	-	-	-	1645
12	8	21	-	34	34	34	0.00	-	-	-	-	1598
12	8	22	-	34	34	34	0.00	-	-	-	-	1505
12	8	23	-	34	34	34	0.00	-	-	-	-	1367
12	8	24	-	34	34	34	0.00	-	-	-	-	1324

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	9	1	-	34	34	34	0.00	-	-	-	-	1133
12	9	2	-	34	34	34	0.00	-	-	-	-	1073
12	9	3	-	34	34	34	0.00	-	-	-	-	1037
12	9	4	-	34	34	34	0.00	-	-	-	-	1027
12	9	5	-	34	34	34	0.00	-	-	-	-	1051
12	9	6	-	34	34	34	0.00	-	-	-	-	1136
12	9	7	-	34	34	34	0.00	-	-	-	-	1281
12	9	8	-	34	34	34	0.00	-	-	-	-	1357
12	9	9	-	34	34	34	0.00	-	-	-	-	1369
12	9	10	-	34	34	34	0.00	-	-	-	-	1397
12	9	11	-	34	34	34	0.00	-	-	-	-	1420
12	9	12	-	34	34	34	0.00	-	-	-	-	1422
12	9	13	-	34	34	34	0.00	-	-	-	-	1410
12	9	14	-	34	34	34	0.00	-	-	-	-	1404
12	9	15	-	34	34	34	0.00	-	-	-	-	1402
12	9	16	-	34	34	34	0.00	-	-	-	-	1414
12	9	17	-	34	34	34	0.00	-	-	-	-	1490
12	9	18	-	34	34	34	0.00	-	-	-	-	1645
12	9	19	-	34	34	34	0.00	-	-	-	-	1647

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	9	20	-	34	34	34	0.00	-	-	-	-	1611
12	9	21	-	34	34	34	0.00	-	-	-	-	1566
12	9	22	-	34	34	34	0.00	-	-	-	-	1496
12	9	23	-	34	34	34	0.00	-	-	-	-	1386
12	9	24	-	34	34	34	0.00	-	-	-	-	1339
12	10	1	-	34	34	34	0.00	-	-	-	-	1150
12	10	2	-	34	34	34	0.00	-	-	-	-	1083
12	10	3	-	34	34	34	0.00	-	-	-	-	1040
12	10	4	-	34	34	34	0.00	-	-	-	-	1017
12	10	5	-	34	34	34	0.00	-	-	-	-	1022
12	10	6	-	34	34	34	0.00	-	-	-	-	1061
12	10	7	-	34	34	34	0.00	-	-	-	-	1123
12	10	8	-	34	34	34	0.00	-	-	-	-	1180
12	10	9	-	34	34	34	0.00	-	-	-	-	1237
12	10	10	-	34	34	34	0.00	-	-	-	-	1274
12	10	11	-	34	34	34	0.00	-	-	-	-	1291
12	10	12	-	34	34	34	0.00	-	-	-	-	1293
12	10	13	-	34	34	34	0.00	-	-	-	-	1284
12	10	14	-	34	34	34	0.00	-	-	-	-	1272

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	10	15	-	34	34	34	0.00	-	-	-	-	1264
12	10	16	-	34	34	34	0.00	-	-	-	-	1285
12	10	17	-	34	34	34	0.00	-	-	-	-	1387
12	10	18	-	34	34	34	0.00	-	-	-	-	1530
12	10	19	-	34	34	34	0.00	-	-	-	-	1536
12	10	20	-	34	34	34	0.00	-	-	-	-	1508
12	10	21	-	34	34	34	0.00	-	-	-	-	1469
12	10	22	-	34	34	34	0.00	-	-	-	-	1402
12	10	23	-	34	34	34	0.00	-	-	-	-	1307
12	10	24	-	34	34	34	0.00	-	-	-	-	1246
12	11	1	-	34	34	34	0.00	-	-	-	-	1104
12	11	2	-	34	34	34	0.00	-	-	-	-	1039
12	11	3	-	34	34	34	0.00	-	-	-	-	996
12	11	4	-	34	34	34	0.00	-	-	-	-	972
12	11	5	-	34	34	34	0.00	-	-	-	-	969
12	11	6	-	34	34	34	0.00	-	-	-	-	989
12	11	7	-	34	34	34	0.00	-	-	-	-	1025
12	11	8	-	34	34	34	0.00	-	-	-	-	1055
12	11	9	-	34	34	34	0.00	-	-	-	-	1114

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	11	10	-	34	34	34	0.00	-	-	-	-	1167
12	11	11	-	34	34	34	0.00	-	-	-	-	1203
12	11	12	-	34	34	34	0.00	-	-	-	-	1220
12	11	13	-	34	34	34	0.00	-	-	-	-	1227
12	11	14	-	34	34	34	0.00	-	-	-	-	1224
12	11	15	-	34	34	34	0.00	-	-	-	-	1225
12	11	16	-	34	34	34	0.00	-	-	-	-	1246
12	11	17	-	34	34	34	0.00	-	-	-	-	1342
12	11	18	-	34	34	34	0.00	-	-	-	-	1517
12	11	19	-	34	34	34	0.00	-	-	-	-	1547
12	11	20	-	34	34	34	0.00	-	-	-	-	1533
12	11	21	-	34	34	34	0.00	-	-	-	-	1494
12	11	22	-	34	34	34	0.00	-	-	-	-	1407
12	11	23	-	34	34	34	0.00	-	-	-	-	1282
12	11	24	-	34	34	34	0.00	-	-	-	-	1197
12	12	1	-	34	34	34	0.00	-	-	-	-	1058
12	12	2	-	34	34	34	0.00	-	-	-	-	1007
12	12	3	-	34	34	34	0.00	-	-	-	-	979
12	12	4	-	34	34	34	0.00	-	-	-	-	975

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	12	5	-	34	34	34	0.00	-	-	-	-	1007
12	12	6	-	34	34	34	0.00	-	-	-	-	1097
12	12	7	-	34	34	34	0.00	-	-	-	-	1237
12	12	8	-	34	34	34	0.00	-	-	-	-	1327
12	12	9	-	34	34	34	0.00	-	-	-	-	1353
12	12	10	-	34	34	34	0.00	-	-	-	-	1380
12	12	11	-	34	34	34	0.00	-	-	-	-	1395
12	12	12	-	34	34	34	0.00	-	-	-	-	1401
12	12	13	-	34	34	34	0.00	-	-	-	-	1396
12	12	14	-	34	34	34	0.00	-	-	-	-	1395
12	12	15	-	34	34	34	0.00	-	-	-	-	1393
12	12	16	-	34	34	34	0.00	-	-	-	-	1409
12	12	17	-	34	34	34	0.00	-	-	-	-	1484
12	12	18	-	34	34	34	0.00	-	-	-	-	1660
12	12	19	-	34	34	34	0.00	-	-	-	-	1681
12	12	20	-	34	34	34	0.00	-	-	-	-	1651
12	12	21	-	34	34	34	0.00	-	-	-	-	1595
12	12	22	-	34	34	34	0.00	-	-	-	-	1498
12	12	23	-	34	34	34	0.00	-	-	-	-	1350

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	12	24	-	34	34	34	0.00	-	-	-	-	1319
12	13	1	-	34	34	34	0.00	-	-	-	-	1113
12	13	2	-	34	34	34	0.00	-	-	-	-	1094
12	13	3	-	34	34	34	0.00	-	-	-	-	1058
12	13	4	-	34	34	34	0.00	-	-	-	-	1045
12	13	5	-	34	34	34	0.00	-	-	-	-	1065
12	13	6	-	34	34	34	0.00	-	-	-	-	1151
12	13	7	-	34	34	34	0.00	-	-	-	-	1293
12	13	8	-	34	34	34	0.00	-	-	-	-	1384
12	13	9	-	34	34	34	0.00	-	-	-	-	1416
12	13	10	-	34	34	34	0.00	-	-	-	-	1447
12	13	11	-	34	34	34	0.00	-	-	-	-	1455
12	13	12	-	34	34	34	0.00	-	-	-	-	1444
12	13	13	-	34	34	34	0.00	-	-	-	-	1433
12	13	14	-	34	34	34	0.00	-	-	-	-	1430
12	13	15	-	34	34	34	0.00	-	-	-	-	1426
12	13	16	-	34	34	34	0.00	-	-	-	-	1434
12	13	17	-	34	34	34	0.00	-	-	-	-	1514
12	13	18	-	34	34	34	0.00	-	-	-	-	1683

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	13	19	-	34	34	34	0.00	-	-	-	-	1665
12	13	20	-	34	34	34	0.00	-	-	-	-	1638
12	13	21	-	34	34	34	0.00	-	-	-	-	1592
12	13	22	-	34	34	34	0.00	-	-	-	-	1498
12	13	23	-	34	34	34	0.00	-	-	-	-	1358
12	13	24	-	34	34	34	0.00	-	-	-	-	1360
12	14	1	-	34	34	34	0.00	-	-	-	-	1116
12	14	2	-	34	34	34	0.00	-	-	-	-	1053
12	14	3	-	34	34	34	0.00	-	-	-	-	1016
12	14	4	-	34	34	34	0.00	-	-	-	-	1009
12	14	5	-	34	34	34	0.00	-	-	-	-	1036
12	14	6	-	34	34	34	0.00	-	-	-	-	1130
12	14	7	-	34	34	34	0.00	-	-	-	-	1282
12	14	8	-	34	34	34	0.00	-	-	-	-	1362
12	14	9	-	34	34	34	0.00	-	-	-	-	1369
12	14	10	-	34	34	34	0.00	-	-	-	-	1380
12	14	11	-	34	34	34	0.00	-	-	-	-	1390
12	14	12	-	34	34	34	0.00	-	-	-	-	1388
12	14	13	-	34	34	34	0.00	-	-	-	-	1389

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	14	14	-	34	34	34	0.00	-	-	-	-	1389
12	14	15	-	34	34	34	0.00	-	-	-	-	1384
12	14	16	-	34	34	34	0.00	-	-	-	-	1391
12	14	17	-	34	34	34	0.00	-	-	-	-	1468
12	14	18	-	34	34	34	0.00	-	-	-	-	1648
12	14	19	-	34	34	34	0.00	-	-	-	-	1667
12	14	20	-	34	34	34	0.00	-	-	-	-	1638
12	14	21	-	34	34	34	0.00	-	-	-	-	1590
12	14	22	-	34	34	34	0.00	-	-	-	-	1496
12	14	23	-	34	34	34	0.00	-	-	-	-	1359
12	14	24	-	34	34	34	0.00	-	-	-	-	1316
12	15	1	-	34	34	34	0.00	-	-	-	-	1113
12	15	2	-	34	34	34	0.00	-	-	-	-	1053
12	15	3	-	34	34	34	0.00	-	-	-	-	1016
12	15	4	-	34	34	34	0.00	-	-	-	-	1005
12	15	5	-	34	34	34	0.00	-	-	-	-	1029
12	15	6	-	34	34	34	0.00	-	-	-	-	1114
12	15	7	-	34	34	34	0.00	-	-	-	-	1260
12	15	8	-	34	34	34	0.00	-	-	-	-	1349

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	15	9	-	34	34	34	0.00	-	-	-	-	1370
12	15	10	-	34	34	34	0.00	-	-	-	-	1387
12	15	11	-	34	34	34	0.00	-	-	-	-	1424
12	15	12	-	34	34	34	0.00	-	-	-	-	1426
12	15	13	-	34	34	34	0.00	-	-	-	-	1427
12	15	14	-	34	34	34	0.00	-	-	-	-	1416
12	15	15	-	34	34	34	0.00	-	-	-	-	1421
12	15	16	-	34	34	34	0.00	-	-	-	-	1449
12	15	17	-	34	34	34	0.00	-	-	-	-	1540
12	15	18	-	34	34	34	0.00	-	-	-	-	1657
12	15	19	-	34	34	34	0.00	-	-	-	-	1655
12	15	20	-	34	34	34	0.00	-	-	-	-	1629
12	15	21	-	34	34	34	0.00	-	-	-	-	1585
12	15	22	-	34	34	34	0.00	-	-	-	-	1494
12	15	23	-	34	34	34	0.00	-	-	-	-	1361
12	15	24	-	34	34	34	0.00	-	-	-	-	1349
12	16	1	-	34	34	34	0.00	-	-	-	-	1120
12	16	2	-	34	34	34	0.00	-	-	-	-	1057
12	16	3	-	34	34	34	0.00	-	-	-	-	1020

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	16	4	-	34	34	34	0.00	-	-	-	-	1010
12	16	5	-	34	34	34	0.00	-	-	-	-	1027
12	16	6	-	34	34	34	0.00	-	-	-	-	1105
12	16	7	-	34	34	34	0.00	-	-	-	-	1240
12	16	8	-	34	34	34	0.00	-	-	-	-	1344
12	16	9	-	34	34	34	0.00	-	-	-	-	1384
12	16	10	-	34	34	34	0.00	-	-	-	-	1401
12	16	11	-	34	34	34	0.00	-	-	-	-	1401
12	16	12	-	34	34	34	0.00	-	-	-	-	1384
12	16	13	-	34	34	34	0.00	-	-	-	-	1360
12	16	14	-	34	34	34	0.00	-	-	-	-	1346
12	16	15	-	34	34	34	0.00	-	-	-	-	1337
12	16	16	-	34	34	34	0.00	-	-	-	-	1349
12	16	17	-	34	34	34	0.00	-	-	-	-	1429
12	16	18	-	34	34	34	0.00	-	-	-	-	1615
12	16	19	-	34	34	34	0.00	-	-	-	-	1641
12	16	20	-	34	34	34	0.00	-	-	-	-	1621
12	16	21	-	34	34	34	0.00	-	-	-	-	1586
12	16	22	-	34	34	34	0.00	-	-	-	-	1521

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	16	23	-	34	34	34	0.00	-	-	-	-	1418
12	16	24	-	34	34	34	0.00	-	-	-	-	1314
12	17	1	-	34	34	34	0.00	-	-	-	-	1185
12	17	2	-	34	34	34	0.00	-	-	-	-	1123
12	17	3	-	34	34	34	0.00	-	-	-	-	1084
12	17	4	-	34	34	34	0.00	-	-	-	-	1071
12	17	5	-	34	34	34	0.00	-	-	-	-	1082
12	17	6	-	34	34	34	0.00	-	-	-	-	1128
12	17	7	-	34	34	34	0.00	-	-	-	-	1202
12	17	8	-	34	34	34	0.00	-	-	-	-	1251
12	17	9	-	34	34	34	0.00	-	-	-	-	1296
12	17	10	-	34	34	34	0.00	-	-	-	-	1318
12	17	11	-	34	34	34	0.00	-	-	-	-	1314
12	17	12	-	34	34	34	0.00	-	-	-	-	1296
12	17	13	-	34	34	34	0.00	-	-	-	-	1270
12	17	14	-	34	34	34	0.00	-	-	-	-	1242
12	17	15	-	34	34	34	0.00	-	-	-	-	1228
12	17	16	-	34	34	34	0.00	-	-	-	-	1243
12	17	17	-	34	34	34	0.00	-	-	-	-	1343

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	17	18	-	34	34	34	0.00	-	-	-	-	1550
12	17	19	-	34	34	34	0.00	-	-	-	-	1583
12	17	20	-	34	34	34	0.00	-	-	-	-	1575
12	17	21	-	34	34	34	0.00	-	-	-	-	1556
12	17	22	-	34	34	34	0.00	-	-	-	-	1506
12	17	23	-	34	34	34	0.00	-	-	-	-	1425
12	17	24	-	34	34	34	0.00	-	-	-	-	1269
12	18	1	-	34	34	34	0.00	-	-	-	-	1225
12	18	2	-	34	34	34	0.00	-	-	-	-	1160
12	18	3	-	34	34	34	0.00	-	-	-	-	1121
12	18	4	-	34	34	34	0.00	-	-	-	-	1101
12	18	5	-	34	34	34	0.00	-	-	-	-	1103
12	18	6	-	34	34	34	0.00	-	-	-	-	1131
12	18	7	-	34	34	34	0.00	-	-	-	-	1183
12	18	8	-	34	34	34	0.00	-	-	-	-	1215
12	18	9	-	34	34	34	0.00	-	-	-	-	1244
12	18	10	-	34	34	34	0.00	-	-	-	-	1259
12	18	11	-	34	34	34	0.00	-	-	-	-	1259
12	18	12	-	34	34	34	0.00	-	-	-	-	1243

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	18	13	-	34	34	34	0.00	-	-	-	-	1222
12	18	14	-	34	34	34	0.00	-	-	-	-	1201
12	18	15	-	34	34	34	0.00	-	-	-	-	1192
12	18	16	-	34	34	34	0.00	-	-	-	-	1213
12	18	17	-	34	34	34	0.00	-	-	-	-	1320
12	18	18	-	34	34	34	0.00	-	-	-	-	1542
12	18	19	-	34	34	34	0.00	-	-	-	-	1590
12	18	20	-	34	34	34	0.00	-	-	-	-	1596
12	18	21	-	34	34	34	0.00	-	-	-	-	1579
12	18	22	-	34	34	34	0.00	-	-	-	-	1514
12	18	23	-	34	34	34	0.00	-	-	-	-	1398
12	18	24	-	34	34	34	0.00	-	-	-	-	1229
12	19	1	-	34	34	34	0.00	-	-	-	-	1173
12	19	2	-	34	34	34	0.00	-	-	-	-	1117
12	19	3	-	34	34	34	0.00	-	-	-	-	1089
12	19	4	-	34	34	34	0.00	-	-	-	-	1085
12	19	5	-	34	34	34	0.00	-	-	-	-	1120
12	19	6	-	34	34	34	0.00	-	-	-	-	1210
12	19	7	-	34	34	34	0.00	-	-	-	-	1352

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	19	8	-	34	34	34	0.00	-	-	-	-	1431
12	19	9	-	34	34	34	0.00	-	-	-	-	1450
12	19	10	-	34	34	34	0.00	-	-	-	-	1458
12	19	11	-	34	34	34	0.00	-	-	-	-	1455
12	19	12	-	34	34	34	0.00	-	-	-	-	1438
12	19	13	-	34	34	34	0.00	-	-	-	-	1413
12	19	14	-	34	34	34	0.00	-	-	-	-	1394
12	19	15	-	34	34	34	0.00	-	-	-	-	1379
12	19	16	-	34	34	34	0.00	-	-	-	-	1385
12	19	17	-	34	34	34	0.00	-	-	-	-	1457
12	19	18	-	34	34	34	0.00	-	-	-	-	1661
12	19	19	-	34	34	34	0.00	-	-	-	-	1706
12	19	20	-	34	34	34	0.00	-	-	-	-	1697
12	19	21	-	34	34	34	0.00	-	-	-	-	1661
12	19	22	-	34	34	34	0.00	-	-	-	-	1579
12	19	23	-	34	34	34	0.00	-	-	-	-	1448
12	19	24	-	34	34	34	0.00	-	-	-	-	1363
12	20	1	-	34	34	34	0.00	-	-	-	-	1194
12	20	2	-	34	34	34	0.00	-	-	-	-	1130

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	20	3	-	34	34	34	0.00	-	-	-	-	1096
12	20	4	-	34	34	34	0.00	-	-	-	-	1092
12	20	5	-	34	34	34	0.00	-	-	-	-	1116
12	20	6	-	34	34	34	0.00	-	-	-	-	1204
12	20	7	-	34	34	34	0.00	-	-	-	-	1335
12	20	8	-	34	34	34	0.00	-	-	-	-	1409
12	20	9	-	34	34	34	0.00	-	-	-	-	1424
12	20	10	-	34	34	34	0.00	-	-	-	-	1427
12	20	11	-	34	34	34	0.00	-	-	-	-	1425
12	20	12	-	34	34	34	0.00	-	-	-	-	1414
12	20	13	-	34	34	34	0.00	-	-	-	-	1396
12	20	14	-	34	34	34	0.00	-	-	-	-	1394
12	20	15	-	34	34	34	0.00	-	-	-	-	1390
12	20	16	-	34	34	34	0.00	-	-	-	-	1405
12	20	17	-	34	34	34	0.00	-	-	-	-	1477
12	20	18	-	34	34	34	0.00	-	-	-	-	1648
12	20	19	-	34	34	34	0.00	-	-	-	-	1662
12	20	20	-	34	34	34	0.00	-	-	-	-	1632
12	20	21	-	34	34	34	0.00	-	-	-	-	1581

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	20	22	-	34	34	34	0.00	-	-	-	-	1492
12	20	23	-	34	34	34	0.00	-	-	-	-	1361
12	20	24	-	34	34	34	0.00	-	-	-	-	1317
12	21	1	-	34	34	34	0.00	-	-	-	-	1117
12	21	2	-	34	34	34	0.00	-	-	-	-	1055
12	21	3	-	34	34	34	0.00	-	-	-	-	1018
12	21	4	-	34	34	34	0.00	-	-	-	-	1003
12	21	5	-	34	34	34	0.00	-	-	-	-	1025
12	21	6	-	34	34	34	0.00	-	-	-	-	1102
12	21	7	-	34	34	34	0.00	-	-	-	-	1221
12	21	8	-	34	34	34	0.00	-	-	-	-	1315
12	21	9	-	34	34	34	0.00	-	-	-	-	1374
12	21	10	-	34	34	34	0.00	-	-	-	-	1418
12	21	11	-	34	34	34	0.00	-	-	-	-	1446
12	21	12	-	34	34	34	0.00	-	-	-	-	1459
12	21	13	-	34	34	34	0.00	-	-	-	-	1462
12	21	14	-	34	34	34	0.00	-	-	-	-	1454
12	21	15	-	34	34	34	0.00	-	-	-	-	1449
12	21	16	-	34	34	34	0.00	-	-	-	-	1450

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	21	17	-	34	34	34	0.00	-	-	-	-	1505
12	21	18	-	34	34	34	0.00	-	-	-	-	1660
12	21	19	-	34	34	34	0.00	-	-	-	-	1675
12	21	20	-	34	34	34	0.00	-	-	-	-	1644
12	21	21	-	34	34	34	0.00	-	-	-	-	1601
12	21	22	-	34	34	34	0.00	-	-	-	-	1518
12	21	23	-	34	34	34	0.00	-	-	-	-	1391
12	21	24	-	34	34	34	0.00	-	-	-	-	1386
12	22	1	-	34	34	34	0.00	-	-	-	-	1146
12	22	2	-	34	34	34	0.00	-	-	-	-	1077
12	22	3	-	34	34	34	0.00	-	-	-	-	1036
12	22	4	-	34	34	34	0.00	-	-	-	-	1022
12	22	5	-	34	34	34	0.00	-	-	-	-	1042
12	22	6	-	34	34	34	0.00	-	-	-	-	1115
12	22	7	-	34	34	34	0.00	-	-	-	-	1229
12	22	8	-	34	34	34	0.00	-	-	-	-	1326
12	22	9	-	34	34	34	0.00	-	-	-	-	1400
12	22	10	-	34	34	34	0.00	-	-	-	-	1452
12	22	11	-	34	34	34	0.00	-	-	-	-	1457

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	22	12	-	34	34	34	0.00	-	-	-	-	1437
12	22	13	-	34	34	34	0.00	-	-	-	-	1399
12	22	14	-	34	34	34	0.00	-	-	-	-	1380
12	22	15	-	34	34	34	0.00	-	-	-	-	1368
12	22	16	-	34	34	34	0.00	-	-	-	-	1367
12	22	17	-	34	34	34	0.00	-	-	-	-	1421
12	22	18	-	34	34	34	0.00	-	-	-	-	1601
12	22	19	-	34	34	34	0.00	-	-	-	-	1627
12	22	20	-	34	34	34	0.00	-	-	-	-	1605
12	22	21	-	34	34	34	0.00	-	-	-	-	1576
12	22	22	-	34	34	34	0.00	-	-	-	-	1501
12	22	23	-	34	34	34	0.00	-	-	-	-	1386
12	22	24	-	34	34	34	0.00	-	-	-	-	1330
12	23	1	-	34	34	34	0.00	-	-	-	-	1146
12	23	2	-	34	34	34	0.00	-	-	-	-	1074
12	23	3	-	34	34	34	0.00	-	-	-	-	1034
12	23	4	-	34	34	34	0.00	-	-	-	-	1014
12	23	5	-	34	34	34	0.00	-	-	-	-	1025
12	23	6	-	34	34	34	0.00	-	-	-	-	1086

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	23	7	-	34	34	34	0.00	-	-	-	-	1176
12	23	8	-	34	34	34	0.00	-	-	-	-	1253
12	23	9	-	34	34	34	0.00	-	-	-	-	1328
12	23	10	-	34	34	34	0.00	-	-	-	-	1383
12	23	11	-	34	34	34	0.00	-	-	-	-	1385
12	23	12	-	34	34	34	0.00	-	-	-	-	1374
12	23	13	-	34	34	34	0.00	-	-	-	-	1362
12	23	14	-	34	34	34	0.00	-	-	-	-	1368
12	23	15	-	34	34	34	0.00	-	-	-	-	1367
12	23	16	-	34	34	34	0.00	-	-	-	-	1392
12	23	17	-	34	34	34	0.00	-	-	-	-	1471
12	23	18	-	34	34	34	0.00	-	-	-	-	1602
12	23	19	-	34	34	34	0.00	-	-	-	-	1611
12	23	20	-	34	34	34	0.00	-	-	-	-	1581
12	23	21	-	34	34	34	0.00	-	-	-	-	1543
12	23	22	-	34	34	34	0.00	-	-	-	-	1481
12	23	23	-	34	34	34	0.00	-	-	-	-	1381
12	23	24	-	34	34	34	0.00	-	-	-	-	1313
12	24	1	-	34	34	34	0.00	-	-	-	-	1154

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	24	2	-	34	34	34	0.00	-	-	-	-	1082
12	24	3	-	34	34	34	0.00	-	-	-	-	1037
12	24	4	-	34	34	34	0.00	-	-	-	-	1015
12	24	5	-	34	34	34	0.00	-	-	-	-	1013
12	24	6	-	34	34	34	0.00	-	-	-	-	1040
12	24	7	-	34	34	34	0.00	-	-	-	-	1090
12	24	8	-	34	34	34	0.00	-	-	-	-	1137
12	24	9	-	34	34	34	0.00	-	-	-	-	1188
12	24	10	-	34	34	34	0.00	-	-	-	-	1224
12	24	11	-	34	34	34	0.00	-	-	-	-	1242
12	24	12	-	34	34	34	0.00	-	-	-	-	1247
12	24	13	-	34	34	34	0.00	-	-	-	-	1239
12	24	14	-	34	34	34	0.00	-	-	-	-	1233
12	24	15	-	34	34	34	0.00	-	-	-	-	1231
12	24	16	-	34	34	34	0.00	-	-	-	-	1250
12	24	17	-	34	34	34	0.00	-	-	-	-	1334
12	24	18	-	34	34	34	0.00	-	-	-	-	1518
12	24	19	-	34	34	34	0.00	-	-	-	-	1530
12	24	20	-	34	34	34	0.00	-	-	-	-	1503

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	24	21	-	34	34	34	0.00	-	-	-	-	1477
12	24	22	-	34	34	34	0.00	-	-	-	-	1441
12	24	23	-	34	34	34	0.00	-	-	-	-	1381
12	24	24	-	34	34	34	0.00	-	-	-	-	1244
12	25	1	-	34	34	34	0.00	-	-	-	-	1219
12	25	2	-	34	34	34	0.00	-	-	-	-	1157
12	25	3	-	34	34	34	0.00	-	-	-	-	1116
12	25	4	-	34	34	34	0.00	-	-	-	-	1092
12	25	5	-	34	34	34	0.00	-	-	-	-	1089
12	25	6	-	34	34	34	0.00	-	-	-	-	1112
12	25	7	-	34	34	34	0.00	-	-	-	-	1157
12	25	8	-	34	34	34	0.00	-	-	-	-	1196
12	25	9	-	34	34	34	0.00	-	-	-	-	1217
12	25	10	-	34	34	34	0.00	-	-	-	-	1232
12	25	11	-	34	34	34	0.00	-	-	-	-	1228
12	25	12	-	34	34	34	0.00	-	-	-	-	1208
12	25	13	-	34	34	34	0.00	-	-	-	-	1189
12	25	14	-	34	34	34	0.00	-	-	-	-	1172
12	25	15	-	34	34	34	0.00	-	-	-	-	1169

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	25	16	-	34	34	34	0.00	-	-	-	-	1189
12	25	17	-	34	34	34	0.00	-	-	-	-	1270
12	25	18	-	34	34	34	0.00	-	-	-	-	1443
12	25	19	-	34	34	34	0.00	-	-	-	-	1477
12	25	20	-	34	34	34	0.00	-	-	-	-	1477
12	25	21	-	34	34	34	0.00	-	-	-	-	1470
12	25	22	-	34	34	34	0.00	-	-	-	-	1436
12	25	23	-	34	34	34	0.00	-	-	-	-	1359
12	25	24	-	34	34	34	0.00	-	-	-	-	1204
12	26	1	-	34	34	34	0.00	-	-	-	-	1161
12	26	2	-	34	34	34	0.00	-	-	-	-	1098
12	26	3	-	34	34	34	0.00	-	-	-	-	1060
12	26	4	-	34	34	34	0.00	-	-	-	-	1043
12	26	5	-	34	34	34	0.00	-	-	-	-	1053
12	26	6	-	34	34	34	0.00	-	-	-	-	1092
12	26	7	-	34	34	34	0.00	-	-	-	-	1148
12	26	8	-	34	34	34	0.00	-	-	-	-	1193
12	26	9	-	34	34	34	0.00	-	-	-	-	1256
12	26	10	-	34	34	34	0.00	-	-	-	-	1301

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	26	11	-	34	34	34	0.00	-	-	-	-	1312
12	26	12	-	34	34	34	0.00	-	-	-	-	1296
12	26	13	-	34	34	34	0.00	-	-	-	-	1274
12	26	14	-	34	34	34	0.00	-	-	-	-	1253
12	26	15	-	34	34	34	0.00	-	-	-	-	1245
12	26	16	-	34	34	34	0.00	-	-	-	-	1249
12	26	17	-	34	34	34	0.00	-	-	-	-	1330
12	26	18	-	34	34	34	0.00	-	-	-	-	1539
12	26	19	-	34	34	34	0.00	-	-	-	-	1587
12	26	20	-	34	34	34	0.00	-	-	-	-	1582
12	26	21	-	34	34	34	0.00	-	-	-	-	1554
12	26	22	-	34	34	34	0.00	-	-	-	-	1491
12	26	23	-	34	34	34	0.00	-	-	-	-	1382
12	26	24	-	34	34	34	0.00	-	-	-	-	1260
12	27	1	-	34	34	34	0.00	-	-	-	-	1159
12	27	2	-	34	34	34	0.00	-	-	-	-	1101
12	27	3	-	34	34	34	0.00	-	-	-	-	1066
12	27	4	-	34	34	34	0.00	-	-	-	-	1057
12	27	5	-	34	34	34	0.00	-	-	-	-	1084

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	27	6	-	34	34	34	0.00	-	-	-	-	1156
12	27	7	-	34	34	34	0.00	-	-	-	-	1260
12	27	8	-	34	34	34	0.00	-	-	-	-	1326
12	27	9	-	34	34	34	0.00	-	-	-	-	1367
12	27	10	-	34	34	34	0.00	-	-	-	-	1386
12	27	11	-	34	34	34	0.00	-	-	-	-	1387
12	27	12	-	34	34	34	0.00	-	-	-	-	1372
12	27	13	-	34	34	34	0.00	-	-	-	-	1349
12	27	14	-	34	34	34	0.00	-	-	-	-	1325
12	27	15	-	34	34	34	0.00	-	-	-	-	1308
12	27	16	-	34	34	34	0.00	-	-	-	-	1310
12	27	17	-	34	34	34	0.00	-	-	-	-	1373
12	27	18	-	34	34	34	0.00	-	-	-	-	1561
12	27	19	-	34	34	34	0.00	-	-	-	-	1598
12	27	20	-	34	34	34	0.00	-	-	-	-	1581
12	27	21	-	34	34	34	0.00	-	-	-	-	1545
12	27	22	-	34	34	34	0.00	-	-	-	-	1468
12	27	23	-	34	34	34	0.00	-	-	-	-	1358
12	27	24	-	34	34	34	0.00	-	-	-	-	1298

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	28	1	-	34	34	34	0.00	-	-	-	-	1133
12	28	2	-	34	34	34	0.00	-	-	-	-	1073
12	28	3	-	34	34	34	0.00	-	-	-	-	1038
12	28	4	-	34	34	34	0.00	-	-	-	-	1027
12	28	5	-	34	34	34	0.00	-	-	-	-	1044
12	28	6	-	34	34	34	0.00	-	-	-	-	1113
12	28	7	-	34	34	34	0.00	-	-	-	-	1221
12	28	8	-	34	34	34	0.00	-	-	-	-	1288
12	28	9	-	34	34	34	0.00	-	-	-	-	1321
12	28	10	-	34	34	34	0.00	-	-	-	-	1342
12	28	11	-	34	34	34	0.00	-	-	-	-	1351
12	28	12	-	34	34	34	0.00	-	-	-	-	1346
12	28	13	-	34	34	34	0.00	-	-	-	-	1337
12	28	14	-	34	34	34	0.00	-	-	-	-	1331
12	28	15	-	34	34	34	0.00	-	-	-	-	1326
12	28	16	-	34	34	34	0.00	-	-	-	-	1324
12	28	17	-	34	34	34	0.00	-	-	-	-	1369
12	28	18	-	34	34	34	0.00	-	-	-	-	1541
12	28	19	-	34	34	34	0.00	-	-	-	-	1570

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	28	20	-	34	34	34	0.00	-	-	-	-	1542
12	28	21	-	34	34	34	0.00	-	-	-	-	1502
12	28	22	-	34	34	34	0.00	-	-	-	-	1424
12	28	23	-	34	34	34	0.00	-	-	-	-	1315
12	28	24	-	34	34	34	0.00	-	-	-	-	1272
12	29	1	-	34	34	34	0.00	-	-	-	-	1096
12	29	2	-	34	34	34	0.00	-	-	-	-	1036
12	29	3	-	34	34	34	0.00	-	-	-	-	1003
12	29	4	-	34	34	34	0.00	-	-	-	-	993
12	29	5	-	34	34	34	0.00	-	-	-	-	1015
12	29	6	-	34	34	34	0.00	-	-	-	-	1081
12	29	7	-	34	34	34	0.00	-	-	-	-	1181
12	29	8	-	34	34	34	0.00	-	-	-	-	1239
12	29	9	-	34	34	34	0.00	-	-	-	-	1283
12	29	10	-	34	34	34	0.00	-	-	-	-	1315
12	29	11	-	34	34	34	0.00	-	-	-	-	1338
12	29	12	-	34	34	34	0.00	-	-	-	-	1342
12	29	13	-	34	34	34	0.00	-	-	-	-	1340
12	29	14	-	34	34	34	0.00	-	-	-	-	1340

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	29	15	-	34	34	34	0.00	-	-	-	-	1339
12	29	16	-	34	34	34	0.00	-	-	-	-	1349
12	29	17	-	34	34	34	0.00	-	-	-	-	1404
12	29	18	-	34	34	34	0.00	-	-	-	-	1547
12	29	19	-	34	34	34	0.00	-	-	-	-	1558
12	29	20	-	34	34	34	0.00	-	-	-	-	1521
12	29	21	-	34	34	34	0.00	-	-	-	-	1476
12	29	22	-	34	34	34	0.00	-	-	-	-	1396
12	29	23	-	34	34	34	0.00	-	-	-	-	1284
12	29	24	-	34	34	34	0.00	-	-	-	-	1263
12	30	1	-	34	34	34	0.00	-	-	-	-	1065
12	30	2	-	34	34	34	0.00	-	-	-	-	1005
12	30	3	-	34	34	34	0.00	-	-	-	-	970
12	30	4	-	34	34	34	0.00	-	-	-	-	957
12	30	5	-	34	34	34	0.00	-	-	-	-	969
12	30	6	-	34	34	34	0.00	-	-	-	-	1020
12	30	7	-	34	34	34	0.00	-	-	-	-	1101
12	30	8	-	34	34	34	0.00	-	-	-	-	1181
12	30	9	-	34	34	34	0.00	-	-	-	-	1271

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	30	10	-	34	34	34	0.00	-	-	-	-	1334
12	30	11	-	34	34	34	0.00	-	-	-	-	1338
12	30	12	-	34	34	34	0.00	-	-	-	-	1320
12	30	13	-	34	34	34	0.00	-	-	-	-	1310
12	30	14	-	34	34	34	0.00	-	-	-	-	1304
12	30	15	-	34	34	34	0.00	-	-	-	-	1299
12	30	16	-	34	34	34	0.00	-	-	-	-	1312
12	30	17	-	34	34	34	0.00	-	-	-	-	1378
12	30	18	-	34	34	34	0.00	-	-	-	-	1526
12	30	19	-	34	34	34	0.00	-	-	-	-	1538
12	30	20	-	34	34	34	0.00	-	-	-	-	1504
12	30	21	-	34	34	34	0.00	-	-	-	-	1463
12	30	22	-	34	34	34	0.00	-	-	-	-	1393
12	30	23	-	34	34	34	0.00	-	-	-	-	1295
12	30	24	-	34	34	34	0.00	-	-	-	-	1253
12	31	1	-	34	34	34	0.00	-	-	-	-	957
12	31	2	-	34	34	34	0.00	-	-	-	-	866
12	31	3	-	34	34	34	0.00	-	-	-	-	829
12	31	4	-	34	34	34	0.00	-	-	-	-	808

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power
Use Shape?	Yes
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*

Load and load modifier shapes				
Yes	No	No	No	No
Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	12174780
12	31	5	-	34	34	34	0.00	-	-	-	-	805
12	31	6	-	34	34	34	0.00	-	-	-	-	823
12	31	7	-	34	34	34	0.00	-	-	-	-	855
12	31	8	-	34	34	34	0.00	-	-	-	-	885
12	31	9	-	34	34	34	0.00	-	-	-	-	950
12	31	10	-	34	34	34	0.00	-	-	-	-	1025
12	31	11	-	34	34	34	0.00	-	-	-	-	1075
12	31	12	-	34	34	34	0.00	-	-	-	-	1101
12	31	13	-	34	34	34	0.00	-	-	-	-	1116
12	31	14	-	34	34	34	0.00	-	-	-	-	1119
12	31	15	-	34	34	34	0.00	-	-	-	-	1120
12	31	16	-	34	34	34	0.00	-	-	-	-	1136
12	31	17	-	34	34	34	0.00	-	-	-	-	1188
12	31	18	-	34	34	34	0.00	-	-	-	-	1268
12	31	19	-	34	34	34	0.00	-	-	-	-	1282
12	31	20	-	34	34	34	0.00	-	-	-	-	1260
12	31	21	-	34	34	34	0.00	-	-	-	-	1226
12	31	22	-	34	34	34	0.00	-	-	-	-	1186
12	31	23	-	34	34	34	0.00	-	-	-	-	1144

Notes:

RESOLVE renewable and load shapes in this document are based on 2007 weather year. If possible, user should synchronize custom shapes with 2007 weather

Profiles

	User-defined GHG-free power	Load and load modifier shapes				
Use Shape?	Yes	Yes	No	No	No	No
Notes	*To include a custom shape, set toggle to "yes" and add profile below (units = MW). Users wishing to add multiple custom GHG-free resources should add together the hourly production values outside of this tool and input the final 8760 shape in this tab.*	*Set toggle to "yes" to override default shape with custom shape below. Shape should be normalized - the sum of the hourly values over the entire year should equal 1. To normalize, divide original non-normalized shape by the annual total to get the normalized shape in "MW / annual MWh".*				

Month	Day	Hour	2018	2022	2026	2030	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency	
12	31	24	-	34	34	34	0.00	-	-	-	-	12174780
												1092
Total			**-**	**204,584.16**	**204,584.16**	**204,584.16**	**1.00**	**-**	**-**	**-**	**-**	

Form 1.1c - Statewide
California Energy Demand Forecast 2018 - 2030, Mid Demand Baseline Case, Mid AAEE and AAPV Savings
Electricity Deliveries to End Users by Agency (GWh)

Planning Area	Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average Annual Growth 2016 - 2030
PGE	Calaveras Public Power Agency	33	33	33	33	33	33	34	34	34	35	35	35	35	36	36	0.6%
	City of Alameda	360	359	354	351	352	352	352	352	352	352	352	352	353	352	353	-0.1%
	City of Biggs	16	16	16	16	16	16	15	15	15	16	16	16	16	16	16	-0.2%
	City of Gridley	33	33	33	32	32	32	32	32	32	32	32	32	33	32	32	-0.2%
	City of Healdsburg	73	73	72	70	70	70	70	69	69	69	69	69	69	69	69	-0.4%
	City of Lodi	411	410	405	402	402	402	402	401	399	400	398	398	397	397	396	-0.3%
	City of Lompoc	125	124	123	122	122	122	123	123	123	122	122	122	122	122	122	-0.2%
	City of Palo Alto	885	883	868	854	849	841	837	830	822	817	810	804	798	793	788	-0.8%
	City of San Francisco	949	947	936	927	929	928	930	929	927	927	926	926	926	926	926	-0.2%
	City of Ukiah	103	103	102	101	101	101	101	100	100	99	99	99	98	97	97	-0.4%
	Department of Water Resources (North)	1,701	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	-0.6%
	Island Energy/Pittsburg	20	20	20	20	19	20	20	20	19	19	20	20	20	19	19	-0.3%
	Lassen Municipal Utility District	152	151	150	149	148	149	149	149	149	149	149	149	150	149	149	-0.1%
	Pacific Gas and Electric Company (Bundled)	70,430	62,936	50,747	39,974	40,124	40,030	40,112	40,010	39,851	39,855	39,735	39,636	39,500	39,401	39,320	-4.1%
	Pacific Gas and Electric Company (Direct Access)	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	9,520	0.0%
	Pacific Gas and Electric Company (Marin Clean Energy CCA)	1,966	2,841	5,160	5,069	5,061	5,037	5,031	5,006	4,977	4,964	4,938	4,916	4,892	4,872	4,854	6.7%
	Pacific Gas and Electric Company (Sonoma Clean Power CCA)	2,108	2,313	2,665	2,617	2,613	2,601	2,598	2,585	2,570	2,564	2,550	2,539	2,526	2,516	2,507	1.2%
	Pacific Gas and Electric Company (Clean Power San Francisco Clean CCA)	176	524	610	599	599	596	595	592	589	587	584	581	579	577	574	8.8%
	Pacific Gas and Electric Company (Peninsula Clean Energy Authority CCA)	146	2,645	3,804	3,737	3,731	3,713	3,710	3,691	3,669	3,660	3,641	3,625	3,607	3,592	3,579	25.7%
	Pacific Gas and Electric Company (Silicon Valley Clean Energy CCA)	-	3,325	3,713	3,646	3,640	3,624	3,620	3,602	3,581	3,571	3,553	3,537	3,520	3,505	3,492	--
	Pacific Gas and Electric Company (Redwood Coast Energy Authority CCA)	-	188	663	651	650	647	646	643	639	638	634	631	628	626	623	--
	Pacific Gas and Electric Company (Pioneer Community Energy CCA)	-	-	1,144	1,124	1,122	1,116	1,115	1,109	1,103	1,100	1,095	1,090	1,084	1,079	1,075	--
	Pacific Gas and Electric Company (Monterrey Bay Community Power Authority CCA)	-	-	2,370	3,500	3,473	3,456	3,452	3,435	3,415	3,406	3,389	3,374	3,357	3,343	3,331	--
	Pacific Gas and Electric Company (East Bay Community Energy CCA)	-	-	1,415	6,447	6,396	6,367	6,359	6,327	6,290	6,274	6,242	6,214	6,183	6,158	6,136	--
	Pacific Gas and Electric Company (Valley Clean Energy Alliance CCA)	-	-	456	762	756	753	752	748	744	742	738	735	731	728	726	--
	Pacific Gas and Electric Company (San Jose City CCA)	-	-	843	4,498	4,462	4,441	4,437	4,414	4,389	4,377	4,354	4,335	4,314	4,296	4,280	--
	Plumas-Sierra Rural Electric Cooperation	142	142	142	141	143	144	146	147	149	150	151	153	154	155	156	0.7%
	Port of Oakland	48	48	48	46	47	47	47	47	47	47	47	47	47	47	46	-0.3%
	Port of Stockton	20	20	20	20	20	20	20	21	21	21	21	21	22	22	22	0.7%
	Silicon Valley Power	3,306	3,297	3,256	3,221	3,223	3,216	3,220	3,210	3,199	3,201	3,195	3,193	3,190	3,189	3,190	-0.3%
	Tuolumne County Public Power Agency	23	23	23	23	23	23	24	24	24	24	24	25	25	25	25	0.6%
	WAPA (CAISO)	1,305	1,294	1,305	1,317	1,328	1,342	1,357	1,372	1,385	1,397	1,408	1,420	1,435	1,450	1,463	0.8%
PGE Total		94,051	93,840	92,588	91,561	91,576	91,329	91,399	91,129	90,774	90,708	90,420	90,184	89,903	89,683	89,494	-0.4%
SCE	Anza Electric Cooperative, Inc.	53	53	52	53	53	54	54	55	56	56	56	57	57	58	58	0.6%
	Azusa Light & Water	266	263	259	257	257	256	257	257	256	256	254	253	252	252	251	-0.4%
	Bear Valley Electric Service	129	128	127	128	129	130	132	134	135	136	137	138	139	140	141	0.6%
	City of Anaheim	2,484	2,457	2,422	2,404	2,398	2,392	2,393	2,396	2,386	2,377	2,364	2,355	2,347	2,340	2,333	-0.4%
	City of Banning	134	133	131	131	131	131	131	132	131	131	131	131	131	131	131	-0.2%
	City of Cerritos	75	75	74	75	75	76	77	78	79	80	80	81	81	82	82	0.6%
	City of Colton	371	367	361	358	357	356	355	355	354	353	350	349	349	348	348	-0.5%
	City of Corona	137	136	134	134	134	135	135	136	137	137	137	137	137	137	137	0.0%
	City of Pasadena	1,154	1,142	1,119	1,106	1,097	1,089	1,084	1,080	1,071	1,062	1,053	1,046	1,039	1,033	1,026	-0.8%
	City of Rancho Cucamonga	77	76	75	75	75	75	75	75	74	74	74	74	74	73	73	-0.3%
	City of Riverside	2,323	2,298	2,259	2,237	2,226	2,216	2,214	2,214	2,204	2,194	2,182	2,173	2,166	2,162	2,157	-0.5%
	City of Vernon	1,118	1,106	1,095	1,091	1,092	1,275	1,279	1,285	1,285	1,286	1,285	1,285	1,286	1,286	1,287	1.0%
	Department of Water Resources (South)	5,167	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	4,953	-0.3%
	Metropolitan Water District	2,071	2,051	2,043	2,051	2,069	2,090	2,115	2,148	2,166	2,184	2,198	2,213	2,228	2,242	2,256	0.6%
	Moreno Valley Utilities	192	190	187	187	187	187	187	187	187	186	187	186	185	186	186	-0.2%
	Southern California Edison Company (Bundled)	73,260	72,331	69,216	68,771	68,567	68,353	68,305	68,328	67,923	67,481	66,937	66,426	65,925	65,421	64,936	-0.9%
	Southern California Edison Company (Direct Access)	10,929	10,806	10,451	10,499	10,599	10,713	10,852	11,026	11,129	11,226	11,302	11,385	11,465	11,541	11,618	0.4%
	Southern California Edison Company (Lancaster Energy Clean CCA)	640	633	623	620	617	615	614	614	610	605	600	595	591	586	581	-0.7%
	Southern California Edison Company (Apple Valley Choice Energy CCA)	-	221	215	213	212	212	211	212	210	209	207	205	203	202	200	--
	Southern California Edison Company (Pico Rivera Innovative Municipal Energy CCA)	-	77	75	75	74	74	74	74	74	74	72	72	71	71	70	--
	Southern California Edison Company (Los Angeles Community Choice Energy CCA)	-	-	2,340	2,291	2,283	2,275	2,271	2,270	2,256	2,240	2,221	2,203	2,186	2,168	2,151	--
	Victorville Municipal	93	93	91	92	91	92	92	93	93	93	93	93	93	93	93	0.0%
SCE Total		100,673	99,587	98,302	97,801	97,678	97,749	97,860	98,104	97,770	97,394	96,873	96,411	95,959	95,505	95,070	-0.4%
SDGE	San Diego Gas and Electric Company (Bundled)	15,653	15,188	15,016	14,916	14,834	14,751	14,861	14,870	14,883	14,864	14,787	14,680	14,571	14,448	14,318	-0.6%
	San Diego Gas and Electric Company (Direct Access)	3,516	3,416	3,414	3,432	3,459	3,490	3,562	3,562	3,562	3,562	3,562	3,562	3,562	3,562	3,562	0.1%

Form 1.1c - Statewide
California Energy Demand Forecast 2018 - 2030, Mid Demand Baseline Case, Mid AAEE and AAPV Savings
Electricity Deliveries to End Users by Agency (GWh)

Planning Area	Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average Annual Growth 2016 - 2030
SDGE Total		19,169	18,604	18,430	18,348	18,293	18,241	18,423	18,432	18,445	18,426	18,349	18,242	18,133	18,010	17,880	-0.5%
Northern California Non-CAISO	City of Redding	745	738	736	735	731	727	725	720	716	711	708	704	704	704	704	-0.4%
	City of Roseville	1,173	1,162	1,156	1,150	1,140	1,130	1,122	1,110	1,097	1,086	1,077	1,068	1,064	1,059	1,053	-0.8%
	City of Shasta Lake	197	196	196	195	194	193	192	191	190	188	187	186	185	185	184	-0.5%
	Merced Irrigation District	460	461	456	454	451	448	447	442	439	435	432	428	426	422	419	-0.7%
	Modesto Irrigation District	2,487	2,464	2,459	2,453	2,440	2,428	2,419	2,398	2,377	2,358	2,340	2,326	2,320	2,315	2,309	-0.5%
	Sacramento Municipal Utility District	10,485	10,506	10,500	10,517	10,535	10,551	10,575	10,567	10,565	10,573	10,571	10,585	10,625	10,677	10,724	0.2%
	Turlock Irrigation District	2,059	2,063	2,041	2,027	2,010	1,994	1,981	1,959	1,937	1,916	1,897	1,878	1,863	1,845	1,825	-0.9%
	WAPA (BANC)	381	382	388	393	399	405	411	417	422	428	435	440	445	450	454	1.3%
Northern California Non-CAISO Total		17,987	17,972	17,932	17,925	17,900	17,876	17,872	17,804	17,744	17,696	17,646	17,615	17,631	17,657	17,672	-0.1%
LADWP	Los Angeles Department of Water and Power	23,495	22,987	22,459	22,282	22,189	22,118	22,088	21,822	21,676	21,425	21,338	21,154	21,001	20,835	20,647	-0.9%
BUGL	City of Burbank	1,047	1,048	1,048	1,049	1,053	1,057	1,072	1,078	1,082	1,093	1,097	1,104	1,115	1,129	1,145	0.6%
	City of Glendale	1,066	1,066	1,068	1,070	1,075	1,081	1,097	1,105	1,113	1,127	1,135	1,146	1,162	1,181	1,203	0.9%
BUGL Total		2,113	2,115	2,116	2,119	2,128	2,138	2,169	2,184	2,196	2,220	2,232	2,250	2,277	2,310	2,348	0.8%
IID	Imperial Irrigation District	3,386	3,406	3,426	3,423	3,437	3,436	3,448	3,444	3,439	3,440	3,435	3,428	3,426	3,419	3,409	0.0%
VEA	Valley Electric Association, Inc.	10	10	11	11	11	11	11	12	12	12	12	12	13	13	13	1.9%
OTHER	Kirkwood Meadows Public Utility District	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0.0%
	Lathrop Irrigation District	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0.0%
	Liberty Utilities	558	557	555	554	560	565	572	578	583	588	593	598	602	606	610	0.6%
	City of Needles	36	36	36	36	36	36	37	37	38	38	38	38	39	39	39	0.6%
	PacifiCorp	740	739	736	735	743	749	758	767	774	780	786	793	798	804	809	0.6%
	Surprise Valley Electrification Corporation	102	102	102	102	103	104	105	106	107	108	109	110	111	111	112	0.7%
	Truckee-Donner Public Utility District	163	163	162	162	164	165	167	169	171	172	174	175	176	177	179	0.7%
OTHER Total		1,610	1,608	1,602	1,600	1,617	1,630	1,650	1,668	1,684	1,697	1,711	1,725	1,737	1,748	1,760	0.6%
Statewide Total		262,494	260,129	256,866	255,070	254,828	254,529	254,920	254,599	253,740	253,018	252,016	251,020	250,079	249,179	248,293	-0.4%
Total Pumping Load		8,939	8,576	8,567	8,575	8,593	8,614	8,640	8,672	8,691	8,709	8,723	8,738	8,753	8,767	8,781	-0.1%
Total Statewide Retail Deliveries excluding pumping		253,555	251,553	248,299	246,495	246,235	245,915	246,280	245,927	245,049	244,309	243,293	242,282	241,326	240,412	239,512	-0.4%

This table includes retail sales and other deliveries only measured at the customer level. Losses and consumption served by self-generation are excluded. Table developed based on actual 2016 data.
Table includes sales from entities outside of California control area. Thus, total sales in row 85 are higher than state totals given in Form 1.1b.
Pacific Gas and Electric Company (Direct Access) includes BART.

Data Sources

1. Hourly Profiles (Renewable Profiles and Load Profiles)

Variable renewable profiles are created using NREL weather data (NSRDB / Wind Toolkit), and NREL's System Advisor Model (SAM), assuming 2007 weather

Historical Load profiles are based on 2007 CAISO loads

RESOLVE uses the same hourly data sources as this GHG calculator but models 37 different days from 2007-2008-2009, sampled such that these 37 days represent the full distribution as closely as possible

2. Load Modifiers Shapes

Load modifier shapes (shown in the Load Profiles tab) are taken from the RESOLVE User Interface, released on 2017-09-07, LOADS_HourlyProfiles tab

3. Emissions Factors

Values in the Emissions Factors tab are based on hourly average GHG emissions from dispatchable GHG-emitting resources in the 42mmt_Ref_20170831 scenario, released on 2017-09-07 as part of the CPUC Public Release

The CAISO Import Emissions Offset is based on data in the RESOLVE User Interface, released on 2017-09-07, tab SYS_RPS_GHG_Targets

4. Hydro Dispatch

The hydro dispatch tables on the Hydro Dispatch tab are based on the modeled dispatch patterns of the CAISO Hydro resource in the 42mmt_Ref_20170831 scenario

5. Battery Storage and Pumped Storage Dispatch

The storage charge/discharge tables on the (Pumped) Storage Dispatch tab are based on the modeled charge/discharge patterns of the Storage Mandate Batteries (1325 MW, 4 hours duration) and the Pumped Storage resources in the 42mmt_Ref_20170831 scenario

6. IEPR Form 1.1c

CEC 2017 IEPR data: TN222582 LSE and BA Tables Mid Baseline Mid AAEE-AAPV (Revised CCA). Available here:
http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN222582_20180216T094947_LSE_and_BA_Tables_Mid_Baseline_Demand_Mid_AAEEAAPV_Revised_CCA.xlsx

7. IEPR CAISO Load Modifiers

CEC 2017 IEPR data: TN222501 CAISO Load Modifiers (Corrected) Mid Baseline Mid AAEE-AAPV CED 2017. Available here:
http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN222501_20180209T074222_CAISO_Load_Modifiers_Corrected_Mid_Baseline_Mid_AAEEAAPV_CED_20.xlsx

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	1	1	129	1,505	1,517	1,534	-	-	-	-	28	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	(1)	2	5	-	-	-	-	101	1,459	1,469	1,236	0.399	0.392	0.386	0.367	40	572	567	453
1	1	2	122	1,423	1,428	1,439	-	-	-	-	27	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	2	(1)	(0)	-	-	-	-	95	1,378	1,386	1,150	0.399	0.392	0.384	0.366	38	540	533	421
1	1	3	117	1,362	1,361	1,367	-	-	-	-	27	-	-	-	-	-	-	-	-	16	16	263	-	29	29	29	-	(2)	8	(6)	-	-	-	-	90	1,320	1,308	1,081	0.399	0.392	0.382	0.366	36	517	500	396
1	1	4	114	1,322	1,316	1,317	-	-	-	-	26	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	88	1,275	1,272	1,026	0.398	0.391	0.382	0.366	35	499	486	375
1	1	5	114	1,309	1,297	1,293	-	-	-	-	24	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	(0)	1	(1)	-	-	-	-	89	1,260	1,247	998	0.396	0.388	0.382	0.365	35	489	476	364
1	1	6	115	1,321	1,303	1,293	-	-	-	-	31	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	12	(0)	(2)	-	-	-	-	84	1,261	1,255	1,000	0.396	0.389	0.383	0.366	33	490	480	365
1	1	7	119	1,358	1,335	1,323	-	-	-	-	34	-	-	-	-	-	-	-	0	28	28	275	-	29	29	29	-	14	10	6	-	-	-	-	84	1,288	1,269	1,013	0.395	0.393	0.386	0.370	33	507	490	375
1	1	8	121	1,378	1,355	1,344	-	-	-	-	31	-	-	-	-	-	-	-	19	1,082	1,100	1,364	-	29	29	29	-	(1)	2	(1)	-	-	-	-	71	268	224	(47)	0.394	0.385	0.384	0.375	28	103	86	(18)
1	1	9	123	1,405	1,386	1,380	-	-	-	-	26	-	-	-	-	-	-	-	40	1,994	2,069	2,384	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	57	(607)	(708)	(1,030)	0.377	0.196	0.195	0.195	21	(119)	(138)	(201)
1	1	10	125	1,434	1,416	1,410	-	-	-	-	27	-	-	-	-	-	-	-	53	2,482	2,603	2,960	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	45	(1,067)	(1,205)	(1,561)	0.379	0.195	0.195	0.103	17	(208)	(235)	(160)
1	1	11	127	1,453	1,434	1,427	-	-	-	-	24	-	-	-	-	-	-	-	61	2,790	2,941	3,323	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	41	(1,352)	(1,521)	(1,908)	0.380	0.199	0.200	0.103	16	(269)	(304)	(196)
1	1	12	126	1,445	1,426	1,418	-	-	-	-	23	-	-	-	-	-	-	-	64	2,861	3,025	3,420	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	40	(1,432)	(1,613)	(2,013)	0.379	0.199	0.200	0.103	15	(285)	(322)	(207)
1	1	13	125	1,431	1,416	1,411	-	-	-	-	24	-	-	-	-	-	-	-	64	2,892	3,061	3,460	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	37	(1,476)	(1,659)	(2,061)	0.379	0.199	0.200	0.103	14	(294)	(331)	(212)
1	1	14	122	1,405	1,392	1,389	-	-	-	-	25	-	-	-	-	-	-	-	62	2,827	2,982	3,369	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	36	(1,437)	(1,605)	(1,996)	0.379	0.199	0.200	0.103	14	(286)	(320)	(205)
1	1	15	121	1,389	1,379	1,378	-	-	-	-	25	-	-	-	-	-	-	-	54	2,511	2,645	3,012	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	41	(1,140)	(1,285)	(1,652)	0.379	0.196	0.196	0.097	16	(223)	(251)	(161)
1	1	16	122	1,410	1,406	1,412	-	-	-	-	26	-	-	-	-	-	-	-	37	1,810	1,897	2,222	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	58	(423)	(519)	(837)	0.380	0.193	0.194	0.187	22	(81)	(101)	(156)
1	1	17	130	1,512	1,515	1,526	-	-	-	-	32	-	-	-	-	-	-	-	9	537	555	817	-	29	29	29	-	(0)	(1)	4	-	-	-	-	89	947	933	677	0.397	0.402	0.399	0.387	35	381	372	262
1	1	18	152	1,771	1,785	1,807	-	-	-	-	38	-	-	-	-	-	-	-	-	86	86	333	-	29	29	29	-	8	6	13	-	-	-	-	114	1,649	1,665	1,433	0.404	0.404	0.398	0.382	46	666	664	548
1	1	19	157	1,838	1,859	1,888	-	-	-	-	39	-	-	-	-	-	-	-	-	83	83	330	-	29	29	29	-	7	7	11	-	-	-	-	118	1,719	1,740	1,517	0.406	0.406	0.401	0.384	48	697	698	582
1	1	20	156	1,833	1,856	1,886	-	-	-	-	37	-	-	-	-	-	-	-	-	84	84	331	-	29	29	29	-	1	4	10	-	-	-	-	119	1,720	1,741	1,517	0.405	0.405	0.400	0.383	48	696	696	581
1	1	21	154	1,810	1,834	1,863	-	-	-	-	38	-	-	-	-	-	-	-	-	76	76	323	-	29	29	29	-	2	3	12	-	-	-	-	117	1,703	1,726	1,499	0.404	0.403	0.399	0.382	47	687	688	572
1	1	22	149	1,752	1,777	1,808	-	-	-	-	37	-	-	-	-	-	-	-	-	69	69	316	-	29	29	29	-	7	9	3	-	-	-	-	112	1,648	1,670	1,460	0.401	0.401	0.396	0.378	45	660	661	552
1	1	23	140	1,642	1,667	1,696	-	-	-	-	34	-	-	-	-	-	-	-	-	65	65	312	-	29	29	29	-	8	3	10	-	-	-	-	105	1,541	1,570	1,345	0.398	0.396	0.392	0.373	42	610	615	501
1	1	24	126	1,475	1,493	1,515	-	-	-	-	29	-	-	-	-	-	-	-	-	52	52	299	-	29	29	29	-	6	8	5	-	-	-	-	97	1,389	1,405	1,184	0.397	0.393	0.387	0.369	38	545	543	437
1	2	1	118	1,378	1,387	1,401	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	(1)	2	5	-	-	-	-	90	1,311	1,317	1,081	0.399	0.392	0.386	0.367	36	514	508	397
1	2	2	111	1,296	1,298	1,306	-	-	-	-	27	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,227	1,232	992	0.399	0.392	0.384	0.366	34	481	473	364
1	2	3	107	1,243	1,240	1,242	-	-	-	-	27	-	-	-	-	-	-	-	-	33	33	280	-	29	29	29	-	(2)	8	(6)	-	-	-	-	80	1,184	1,169	939	0.399	0.392	0.382	0.366	32	463	447	344
1	2	4	106	1,220	1,211	1,209	-	-	-	-	26	-	-	-	-	-	-	-	-	24	24	271	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	80	1,168	1,162	913	0.398	0.391	0.382	0.366	32	457	444	334
1	2	5	106	1,223	1,209	1,203	-	-	-	-	24	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	(0)	1	(1)	-	-	-	-	82	1,178	1,162	912	0.396	0.388	0.382	0.365	33	457	444	333
1	2	6	110	1,253	1,233	1,222	-	-	-	-	31	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	12	(0)	(2)	-	-	-	-	78	1,199	1,191	934	0.396	0.389	0.383	0.366	31	466	456	341
1	2	7	115	1,314	1,291	1,277	-	-	-	-	34	-	-	-	-	-	-	-	0	18	18	265	-	29	29	29	-	14	10	6	-	-	-	-	81	1,254	1,234	977	0.395	0.393	0.386	0.370	32	493	476	362
1	2	8	119	1,361	1,339	1,327	-	-	-	-	31	-	-	-	-	-	-	-	16	926	940	1,200	-	29	29	29	-	(1)	2	(1)	-	-	-	-	72	408	368	101	0.394	0.385	0.384	0.375	28	157	141	38
1	2	9	125	1,428	1,410	1,405	-	-	-	-	26	-	-	-	-	-	-	-	34	1,748	1,806	2,106	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	64	(338)	(421)	(727)	0.377	0.196	0.195	0.195	24	(66)	(82)	(142)
1	2	10	130	1,487	1,470	1,466	-	-	-	-	27	-	-	-	-	-	-	-	47	2,243	2,343	2,680	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	56	(775)	(890)	(1,225)	0.379	0.195	0.195	0.103	21	(151)	(174)	(126)
1	2	11	132	1,518	1,500	1,495	-	-	-	-	24	-	-	-	-	-	-	-	54	2,474	2,603	2,965	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	54	(972)	(1,117)	(1,482)	0.380	0.199	0.200	0.103	20	(193)	(223)	(152)
1	2	12	130	1,495	1,478	1,471	-	-	-	-	23	-	-	-	-	-	-	-	60	2,758	2,904	3,282	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	47	(1,279)	(1,440)	(1,822)	0.379	0.199	0.200	0.103	18	(255)	(287)	(187)
1	2	13	128	1,472	1,458	1,454	-	-	-	-	24	-	-	-	-	-	-	-	60	2,765	2,911	3,288	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	44	(1,309)	(1,466)	(1,846)	0.379	0.199	0.200	0.103	17	(261)	(293)	(190)
1	2	14	126	1,445	1,433	1,431	-	-	-	-	25	-	-	-	-	-	-	-	56	2,593	2,722	3,084	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	45	(1,163)	(1,304)	(1,669)	0.379	0.199	0.200	0.103	17	(232)	(260)	(171)
1	2	15	124	1,424	1,415	1,415	-	-	-	-	25	-	-	-	-	-	-	-	46	2,159	2,265	2,606	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	52	(753)	(868)	(1,210)	0.379	0.196	0.196	0.097	20	(147)	(170)	(118)
1	2	16	124	1,438	1,435	1,441	-	-	-	-	26	-	-	-	-	-	-	-	31	1,479	1,547	1,854	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	67	(65)	(140)	(440)	0.380	0.193	0.194	0.187	25	(12)	(27)	(82)
1	2	17	132	1,535	1,539	1,551	-	-	-	-	32	-	-	-	-	-	-	-	7	366	377	633	-	29	29	29	-	(0)	(1)	4	-	-	-	-	93	1,141	1,135	885	0.397	0.402	0.399	0.387	37	459	452	343
1	2	18	152	1,777	1,792	1,814	-	-	-	-	38	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	8	6	13	-	-	-	-	114	1,741	1,757	1,525	0.404	0.404	0.398	0.382	46	703	700	583
1	2	19	157	1,844	1,866	1,894	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	7	11	-	-	-	-	118	1,809	1,830	1,608	0.406	0.406	0.401	0.384	48	734	734	617
1	2	20	157	1,838	1,861	1,892	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	1	4	10	-	-	-	-	120	1,808	1,829	1,606	0.405	0.405	0.400	0.383	48	732	731	615
1	2	21	154	1,809	1,833	1,862	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	3	12	-	-	-	-	116	1,779	1,801	1,574	0.404	0.403	0.399	0.382	47	717	718	601
1	2	22	149	1,750	1,775	1,805	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	9	3	-	-	-	-	112	1,715	1,737	1,527	0.401	0.401	0.396	0.378	45	687	688	577
1	2	23	140	1,649	1,673	1,702	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	8	3	10	-	-	-	-	106	1,613	1,642	1,417	0.398	0.396	0.392	0.373	42	638	643	528
1	2	24	128	1,506	1,525	1,548	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	6	8	5	-	-	-	-	100	1,472	1,488	1,268	0.397	0.393	0.387	0.369	40	578	576	468
1	3	1	119	1,394	1,403	1,418	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(1)	2	5	-	-	-	-	91	1,366	1,373	1,137	0.399	0.392	0.386	0.367	36	535	530	417
1	3	2	113	1,310	1,313	1,321	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	85	1,280	1,285	1,046	0.399	0.392	0.384	0.366	34	502	494	383
1	3	3	108	1,255	1,252	1,255	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	81	1,229	1,215	985	0.399	0.392	0.382	0.366	32	481	465	360
1	3	4	106	1,227	1,219	1,217	-	-	-	-	26	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	80	1,199	1,193	944	0.398	0.391	0.382	0.366	32	469	456	345
1	3	5	106	1,220	1,206	1,199	-	-	-	-	24	-	-	-	-	-	-	-	-	3	3	250	-	29	29	29	-	(0)	1	(1)	-	-	-	-	82	1,189	1,173	922	0.396	0.388	0.382	0.365	32	462	448	337
1	3	6	109	1,242	1,222	1,210	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	29	29	29	-	12	(0)	(2)	-	-	-	-	77	1,194	1,186	929	0.396	0.389	0.383	0.366	31	464	454	339
1	3	7	114	1,296	1,272	1,258	-	-	-	-	34	-	-	-	-	-	-	-	0	16	16	263	-	29	29	29	-	14	10	6	-	-	-	-	79	1,238	1,218	961	0.395	0.393	0.386	0.370	31	487	470	356
1	3	8	118	1,341	1,318	1,306	-	-	-	-	31	-	-	-	-	-	-	-	7	395	403	657	-	29	29	29	-	(1)	2	(1)	-	-	-	-	80	918	885	622	0.394	0.385	0.384	0.375	31	354	340	233
1	3	9	122	1,392	1,373	1,367	-	-	-	-	26	-	-	-	-	-	-	-	31	1,539	1,600	1,902	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	64	(164)	(251)	(560)	0.377	0.196	0.195	0.195	24	(32)	(49)	(109)
1	3	10	124	1,419	1,401	1,395	-	-	-	-	27	-	-	-	-	-	-	-	48	2,214	2,324	2,670	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	49	(814)	(941)	(1,287)	0.379	0.195	0.195	0.103	19	(159)	(184)	(132)
1	3	11	125	1,435	1,416	1,409	-	-	-	-	24	-	-	-	-	-	-	-	57	2,631	2,770	3,142	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	43	(1,211)	(1,368)	(1,745)	0.380	0.199	0.200	0.103	17	(241)	(273)	(179)
1	3	12	126	1,438	1,419	1,411	-	-	-	-	23	-	-	-	-	-	-	-	62	2,796	2,949	3,332	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	41	(1,374)	(1,543)	(1,933)	0.379	0.199	0.200	0.103	16	(274)	(308)	(198)
1	3	13	125	1,438	1,424	1,419	-	-	-	-	24	-	-	-	-	-	-	-	61	2,774	2,928	3,313	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	40	(1,351)	(1,518)	(1,906)	0.379	0.199	0.200	0.103	15	(269)	(303)	(196)
1	3	14	125	1,433	1,421	1,418	-	-	-	-	25	-	-	-	-	-	-	-	59	2,682	2,828	3,207	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	41	(1,264)	(1,423)	(1,804)	0.379	0.199	0.200	0.103	15	(252)	(284)	(185)
1	3	15	123	1,423	1,414	1,414	-	-	-	-	25	-	-	-	-	-	-	-	52	2,416	2,539	2,896	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	46	(1,011)	(1,143)	(1,500)	0.379	0.196	0.196	0.097	18	(198)	(224)	(146)
1	3	16	124	1,440	1,438	1,444	-	-	-	-	26	-	-	-	-	-	-	-	36	1,702	1,782	2,102	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	63	(285)	(373)	(685)	0.380	0.193	0.194	0.187	24	(55)	(72)	(128)
1	3	17	133	1,546	1,550	1,562	-	-	-	-	32	-	-	-	-	-	-	-	10	526	544	806	-	29	29	29	-	(0)	(1)	4	-	-	-	-	91	992	979	723	0.397	0.402	0.399	0.387	36	399	390	280
1	3	18	154	1,806	1,821	1,844	-	-	-	-	38	-	-	-	-	-	-	-	0	62	62	309	-	29	29	29	-	8	6	13	-	-	-	-	117	1,707	1,724	1,493	0.404	0.404	0.398	0.382	47	690	687	571
1	3	19	160	1,875	1,898	1,927	-	-	-	-	39	-	-	-	-	-	-	-	-	63	63	310	-	29	29	29	-	7	7	11	-	-	-	-	121	1,777	1,799	1,578	0.406	0.406	0.401	0.384	49	721	722	605
1	3	20	159	1,868	1,892	1,923	-	-	-	-	37	-	-	-	-	-	-	-	-	65	65	312	-	29	29	29	-	1	4	10	-	-	-	-	122	1,773	1,795	1,573	0.405	0.405	0.400	0.383	49	718	718	602
1	3	21	156	1,829	1,853	1,884	-	-	-	-	38	-	-	-	-	-	-	-	-	66	66	313	-	29	29	29	-	2	3	12	-	-	-	-	118	1,733	1,756	1,530	0.404	0.403	0.399	0.382	48	699	700	584
1	3	22	148	1,736	1,760	1,790	-	-	-	-	37	-	-	-	-	-	-	-	-	75	75	322	-	29	29	29	-	7	9	3	-	-	-	-	111	1,625	1,648	1,437	0.401	0.401	0.396	0.378	44	651	652	543
1	3	23	135	1,591	1,614	1,642	-	-	-	-	34	-	-	-	-	-	-	-	-	83	83	330	-	29	29	29	-	8	3	10	-	-	-	-	101	1,473	1,500	1,275	0.398	0.396	0.392	0.373	40	583	587	475
1	3	24	124	1,459	1,476	1,498	-	-	-	-	29	-	-	-	-	-	-	-	-	82	82	329	-	29	29	29	-	6	8	5	-	-	-	-	96	1,342	1,358	1,137	0.397	0.393	0.387	0.369	38	527	525	419
1	4	1	112	1,311	1,319	1,331	-	-	-	-	28	-	-	-	-	-	-	-	-	71	71	318	-	29	29	29	-	(1)	2	5	-	-	-	-	84	1,212	1,217	979	0.399	0.392	0.386	0.367	34	475	470	359
1	4	2	105	1,222	1,223	1,229	-	-	-	-	27	-	-	-	-	-	-	-	-	64	64	311	-	29	29	29	-	2	(1)	(0)	-	-	-	-	78	1,128	1,131	889	0.399	0.392	0.384	0.366	31	442	435	326
1	4	3	101	1,173	1,168	1,169	-	-	-	-	27	-	-	-	-	-	-	-	-	62	62	309	-	29	29	29	-	(2)	8	(6)	-	-	-	-	74	1,084	1,068	836	0.399	0.392	0.382	0.366	30	424	408	306
1	4	4	100	1,156	1,146	1,143	-	-	-	-	26	-	-	-	-	-	-	-	-	66	66	313	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	74	1,062	1,054	804	0.398	0.391	0.382	0.366	30	415	403	294
1	4	5	104	1,198	1,184	1,177	-	-	-	-	24	-	-	-	-	-	-	-	-	71	71	318	-	29	29	29	-	(0)	1	(1)	-	-	-	-	80	1,099	1,084	832	0.396	0.388	0.382	0.365	32	427	414	304
1	4	6	113	1,294	1,275	1,264	-	-	-	-	31	-	-	-	-	-	-	-	-	81	81	328	-	29	29	29	-	12	(0)	(2)	-	-	-	-	82	1,173	1,166	910	0.396	0.389	0.383	0.366	32	456	446	333
1	4	7	127	1,456	1,436	1,426	-	-	-	-	34	-	-	-	-	-	-	-	0	81	81	328	-	29	29	29	-	14	10	6	-	-	-	-	93	1,333	1,317	1,064	0.395	0.393	0.386	0.370	37	525	508	394
1	4	8	137	1,575	1,558	1,552	-	-	-	-	31	-	-	-	-	-	-	-	18	1,102	1,119	1,381	-	29	29	29	-	(1)	2	(1)	-	-	-	-	88	446	408	144	0.394	0.385	0.384	0.375	35	172	157	54
1	4	9	141	1,624	1,611	1,611	-	-	-	-	26	-	-	-	-	-	-	-	36	1,892	1,950	2,249	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	79	(286)	(364)	(665)	0.377	0.196	0.195	0.195	30	(56)	(71)	(130)
1	4	10	143	1,643	1,629	1,629	-	-	-	-	27	-	-	-	-	-	-	-	46	2,364	2,451	2,776	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	69	(740)	(839)	(1,158)	0.379	0.195	0.195	0.103	26	(145)	(164)	(119)
1	4	11	144	1,651	1,638	1,636	-	-	-	-	24	-	-	-	-	-	-	-	52	2,630	2,730	3,067	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	67	(994)	(1,107)	(1,443)	0.380	0.199	0.200	0.103	26	(198)	(221)	(148)
1	4	12	143	1,651	1,637	1,635	-	-	-	-	23	-	-	-	-	-	-	-	55	2,752	2,863	3,209	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	66	(1,117)	(1,240)	(1,586)	0.379	0.199	0.200	0.103	25	(223)	(247)	(163)
1	4	13	142	1,640	1,630	1,631	-	-	-	-	24	-	-	-	-	-	-	-	56	2,777	2,892	3,243	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	63	(1,152)	(1,276)	(1,624)	0.379	0.199	0.200	0.103	24	(230)	(255)	(167)
1	4	14	141	1,632	1,625	1,628	-	-	-	-	25	-	-	-	-	-	-	-	52	2,640	2,747	3,090	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	64	(1,022)	(1,137)	(1,478)	0.379	0.199	0.200	0.103	24	(204)	(227)	(152)
1	4	15	140	1,624	1,619	1,624	-	-	-	-	25	-	-	-	-	-	-	-	44	2,232	2,325	2,656	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	71	(627)	(725)	(1,050)	0.379	0.196	0.196	0.097	27	(123)	(142)	(102)
1	4	16	141	1,631	1,633	1,645	-	-	-	-	26	-	-	-	-	-	-	-	30	1,537	1,598	1,900	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	85	71	7	(282)	0.380	0.193	0.194	0.187	32	14	1	(53)
1	4	17	146	1,704	1,712	1,728	-	-	-	-	32	-	-	-	-	-	-	-	8	498	509	766	-	29	29	29	-	(0)	(1)	4	-	-	-	-	106	1,178	1,175	930	0.397	0.402	0.399	0.387	42	474	468	360
1	4	18	164	1,917	1,935	1,961	-	-	-	-	38	-	-	-	-	-	-	-	0	79	79	326	-	29	29	29	-	8	6	13	-	-	-	-	126	1,802	1,822	1,593	0.404	0.404	0.398	0.382	51	728	726	609
1	4	19	167	1,964	1,988	2,020	-	-	-	-	39	-	-	-	-	-	-	-	-	72	72	319	-	29	29	29	-	7	7	11	-	-	-	-	128	1,856	1,880	1,661	0.406	0.406	0.401	0.384	52	753	754	637
1	4	20	165	1,934	1,959	1,992	-	-	-	-	37	-	-	-	-	-	-	-	-	64	64	311	-	29	29	29	-	1	4	10	-	-	-	-	128	1,840	1,863	1,643	0.405	0.405	0.400	0.383	52	745	745	629
1	4	21	159	1,874	1,899	1,930	-	-	-	-	38	-	-	-	-	-	-	-	-	46	46	293	-	29	29	29	-	2	3	12	-	-	-	-	122	1,797	1,821	1,596	0.404	0.403	0.399	0.382	49	725	726	609
1	4	22	150	1,764	1,790	1,821	-	-	-	-	37	-	-	-	-	-	-	-	-	46	46	293	-	29	29	29	-	7	9	3	-	-	-	-	113	1,683	1,706	1,496	0.401	0.401	0.396	0.378	45	674	676	566
1	4	23	137	1,608	1,632	1,660	-	-	-	-	34	-	-	-	-	-	-	-	-	78	78	325	-	29	29	29	-	8	3	10	-	-	-	-	102	1,494	1,522	1,297	0.398	0.396	0.392	0.373	41	591	596	483
1	4	24	135	1,591	1,612	1,637	-	-	-	-	29	-	-	-	-	-	-	-	-	95	95	342	-	29	29	29	-	6	8	5	-	-	-	-	107	1,461	1,480	1,262	0.397	0.393	0.387	0.369	42	574	572	466
1	5	1	113	1,315	1,323	1,335	-	-	-	-	28	-	-	-	-	-	-	-	-	91	91	338	-	29	29	29	-	(1)	2	5	-	-	-	-	85	1,196	1,201	963	0.399	0.392	0.386	0.367	34	469	464	353
1	5	2	106	1,234	1,235	1,241	-	-	-	-	27	-	-	-	-	-	-	-	-	77	77	324	-	29	29	29	-	2	(1)	(0)	-	-	-	-	79	1,127	1,130	889	0.399	0.392	0.384	0.366	32	442	434	326
1	5	3	103	1,187	1,182	1,184	-	-	-	-	27	-	-	-	-	-	-	-	-	81	81	328	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,079	1,064	833	0.399	0.392	0.382	0.366	30	423	407	305
1	5	4	102	1,170	1,160	1,157	-	-	-	-	26	-	-	-	-	-	-	-	-	86	86	333	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,055	1,048	798	0.398	0.391	0.382	0.366	30	413	400	292
1	5	5	104	1,193	1,179	1,172	-	-	-	-	24	-	-	-	-	-	-	-	-	91	91	338	-	29	29	29	-	(0)	1	(1)	-	-	-	-	80	1,074	1,058	807	0.396	0.388	0.382	0.365	32	417	404	294
1	5	6	113	1,293	1,274	1,263	-	-	-	-	31	-	-	-	-	-	-	-	-	89	89	336	-	29	29	29	-	12	(0)	(2)	-	-	-	-	82	1,164	1,157	901	0.396	0.389	0.383	0.366	32	453	443	329
1	5	7	127	1,459	1,439	1,429	-	-	-	-	34	-	-	-	-	-	-	-	0	91	91	338	-	29	29	29	-	14	10	6	-	-	-	-	93	1,326	1,310	1,056	0.395	0.393	0.386	0.370	37	522	505	391
1	5	8	140	1,604	1,587	1,582	-	-	-	-	31	-	-	-	-	-	-	-	14	848	864	1,125	-	29	29	29	-	(1)	2	(1)	-	-	-	-	95	728	693	430	0.394	0.385	0.384	0.375	37	280	266	161
1	5	9	147	1,697	1,685	1,687	-	-	-	-	26	-	-	-	-	-	-	-	34	1,723	1,797	2,109	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	87	(44)	(136)	(448)	0.377	0.196	0.195	0.195	33	(9)	(26)	(87)
1	5	10	155	1,785	1,775	1,778	-	-	-	-	27	-	-	-	-	-	-	-	52	2,504	2,625	2,980	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	76	(738)	(867)	(1,213)	0.379	0.195	0.195	0.103	29	(144)	(169)	(125)
1	5	11	159	1,840	1,831	1,834	-	-	-	-	24	-	-	-	-	-	-	-	61	2,864	3,013	3,394	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	74	(1,039)	(1,197)	(1,572)	0.380	0.199	0.200	0.103	28	(207)	(239)	(161)

Clean Net Short Calculations

Month	Day	Hour	Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
			2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	5	12	160	1,845	1,836	1,839	-	-	-	-	23	-	-	-	-	-	-	-
1	5	13	160	1,846	1,841	1,847	-	-	-	-	24	-	-	-	-	-	-	-
1	5	14	157	1,816	1,813	1,821	-	-	-	-	25	-	-	-	-	-	-	-
1	5	15	152	1,760	1,759	1,767	-	-	-	-	25	-	-	-	-	-	-	-
1	5	16	150	1,750	1,754	1,769	-	-	-	-	26	-	-	-	-	-	-	-
1	5	17	155	1,811	1,822	1,841	-	-	-	-	32	-	-	-	-	-	-	-
1	5	18	171	2,004	2,024	2,053	-	-	-	-	38	-	-	-	-	-	-	-
1	5	19	175	2,057	2,083	2,118	-	-	-	-	39	-	-	-	-	-	-	-
1	5	20	172	2,022	2,050	2,085	-	-	-	-	37	-	-	-	-	-	-	-
1	5	21	167	1,964	1,992	2,025	-	-	-	-	38	-	-	-	-	-	-	-
1	5	22	157	1,853	1,880	1,913	-	-	-	-	37	-	-	-	-	-	-	-
1	5	23	144	1,692	1,717	1,748	-	-	-	-	34	-	-	-	-	-	-	-
1	5	24	149	1,750	1,775	1,804	-	-	-	-	29	-	-	-	-	-	-	-
1	6	1	119	1,389	1,399	1,413	-	-	-	-	28	-	-	-	-	-	-	-
1	6	2	113	1,309	1,312	1,320	-	-	-	-	27	-	-	-	-	-	-	-
1	6	3	109	1,260	1,257	1,260	-	-	-	-	27	-	-	-	-	-	-	-
1	6	4	108	1,245	1,237	1,236	-	-	-	-	26	-	-	-	-	-	-	-
1	6	5	111	1,272	1,260	1,255	-	-	-	-	24	-	-	-	-	-	-	-
1	6	6	120	1,371	1,354	1,346	-	-	-	-	31	-	-	-	-	-	-	-
1	6	7	134	1,541	1,523	1,515	-	-	-	-	34	-	-	-	-	-	-	-
1	6	8	145	1,671	1,655	1,652	-	-	-	-	31	-	-	-	-	-	-	-
1	6	9	151	1,738	1,728	1,731	-	-	-	-	26	-	-	-	-	-	-	-
1	6	10	156	1,794	1,784	1,788	-	-	-	-	27	-	-	-	-	-	-	-
1	6	11	159	1,833	1,823	1,826	-	-	-	-	24	-	-	-	-	-	-	-
1	6	12	163	1,886	1,878	1,881	-	-	-	-	23	-	-	-	-	-	-	-
1	6	13	164	1,902	1,898	1,905	-	-	-	-	24	-	-	-	-	-	-	-
1	6	14	160	1,851	1,848	1,857	-	-	-	-	25	-	-	-	-	-	-	-
1	6	15	159	1,846	1,846	1,857	-	-	-	-	25	-	-	-	-	-	-	-
1	6	16	163	1,894	1,902	1,920	-	-	-	-	26	-	-	-	-	-	-	-
1	6	17	167	1,949	1,962	1,985	-	-	-	-	32	-	-	-	-	-	-	-
1	6	18	178	2,085	2,107	2,137	-	-	-	-	38	-	-	-	-	-	-	-
1	6	19	180	2,119	2,147	2,183	-	-	-	-	39	-	-	-	-	-	-	-
1	6	20	177	2,085	2,114	2,151	-	-	-	-	37	-	-	-	-	-	-	-
1	6	21	172	2,025	2,054	2,089	-	-	-	-	38	-	-	-	-	-	-	-
1	6	22	162	1,906	1,935	1,969	-	-	-	-	37	-	-	-	-	-	-	-
1	6	23	147	1,735	1,761	1,793	-	-	-	-	34	-	-	-	-	-	-	-
1	6	24	154	1,810	1,836	1,867	-	-	-	-	29	-	-	-	-	-	-	-
1	7	1	122	1,421	1,431	1,447	-	-	-	-	28	-	-	-	-	-	-	-
1	7	2	115	1,338	1,341	1,350	-	-	-	-	27	-	-	-	-	-	-	-
1	7	3	111	1,286	1,284	1,288	-	-	-	-	27	-	-	-	-	-	-	-
1	7	4	109	1,263	1,255	1,254	-	-	-	-	26	-	-	-	-	-	-	-
1	7	5	112	1,290	1,278	1,273	-	-	-	-	24	-	-	-	-	-	-	-
1	7	6	120	1,382	1,365	1,357	-	-	-	-	31	-	-	-	-	-	-	-
1	7	7	136	1,560	1,542	1,535	-	-	-	-	34	-	-	-	-	-	-	-
1	7	8	145	1,669	1,654	1,650	-	-	-	-	31	-	-	-	-	-	-	-
1	7	9	146	1,686	1,674	1,675	-	-	-	-	26	-	-	-	-	-	-	-
1	7	10	148	1,703	1,691	1,692	-	-	-	-	27	-	-	-	-	-	-	-
1	7	11	150	1,722	1,709	1,709	-	-	-	-	24	-	-	-	-	-	-	-
1	7	12	148	1,710	1,698	1,697	-	-	-	-	23	-	-	-	-	-	-	-
1	7	13	146	1,685	1,676	1,678	-	-	-	-	24	-	-	-	-	-	-	-
1	7	14	145	1,673	1,666	1,670	-	-	-	-	25	-	-	-	-	-	-	-
1	7	15	144	1,662	1,658	1,664	-	-	-	-	25	-	-	-	-	-	-	-
1	7	16	144	1,673	1,676	1,688	-	-	-	-	26	-	-	-	-	-	-	-
1	7	17	150	1,748	1,756	1,774	-	-	-	-	32	-	-	-	-	-	-	-
1	7	18	169	1,974	1,993	2,021	-	-	-	-	38	-	-	-	-	-	-	-
1	7	19	174	2,042	2,068	2,102	-	-	-	-	39	-	-	-	-	-	-	-
1	7	20	173	2,028	2,056	2,091	-	-	-	-	37	-	-	-	-	-	-	-
1	7	21	169	1,982	2,010	2,044	-	-	-	-	38	-	-	-	-	-	-	-
1	7	22	160	1,881	1,909	1,943	-	-	-	-	37	-	-	-	-	-	-	-
1	7	23	147	1,727	1,754	1,785	-	-	-	-	34	-	-	-	-	-	-	-
1	7	24	141	1,660	1,683	1,710	-	-	-	-	29	-	-	-	-	-	-	-
1	8	1	122	1,431	1,441	1,457	-	-	-	-	28	-	-	-	-	-	-	-
1	8	2	116	1,350	1,354	1,363	-	-	-	-	27	-	-	-	-	-	-	-
1	8	3	112	1,303	1,301	1,305	-	-	-	-	27	-	-	-	-	-	-	-
1	8	4	112	1,293	1,286	1,286	-	-	-	-	26	-	-	-	-	-	-	-
1	8	5	114	1,318	1,306	1,302	-	-	-	-	24	-	-	-	-	-	-	-
1	8	6	123	1,416	1,400	1,392	-	-	-	-	31	-	-	-	-	-	-	-
1	8	7	140	1,605	1,588	1,582	-	-	-	-	34	-	-	-	-	-	-	-
1	8	8	149	1,717	1,703	1,701	-	-	-	-	31	-	-	-	-	-	-	-
1	8	9	150	1,729	1,718	1,721	-	-	-	-	26	-	-	-	-	-	-	-
1	8	10	150	1,729	1,718	1,720	-	-	-	-	27	-	-	-	-	-	-	-
1	8	11	149	1,720	1,707	1,707	-	-	-	-	24	-	-	-	-	-	-	-
1	8	12	147	1,694	1,681	1,680	-	-	-	-	23	-	-	-	-	-	-	-
1	8	13	144	1,665	1,656	1,657	-	-	-	-	24	-	-	-	-	-	-	-
1	8	14	142	1,643	1,636	1,639	-	-	-	-	25	-	-	-	-	-	-	-
1	8	15	141	1,626	1,622	1,627	-	-	-	-	25	-	-	-	-	-	-	-
1	8	16	141	1,633	1,635	1,646	-	-	-	-	26	-	-	-	-	-	-	-
1	8	17	148	1,719	1,728	1,744	-	-	-	-	32	-	-	-	-	-	-	-
1	8	18	164	1,921	1,939	1,965	-	-	-	-	38	-	-	-	-	-	-	-
1	8	19	168	1,975	1,999	2,031	-	-	-	-	39	-	-	-	-	-	-	-
1	8	20	166	1,953	1,979	2,012	-	-	-	-	37	-	-	-	-	-	-	-
1	8	21	163	1,914	1,940	1,973	-	-	-	-	38	-	-	-	-	-	-	-
1	8	22	157	1,849	1,876	1,910	-	-	-	-	37	-	-	-	-	-	-	-
1	8	23	147	1,730	1,756	1,788	-	-	-	-	34	-	-	-	-	-	-	-
1	8	24	141	1,652	1,674	1,701	-	-	-	-	29	-	-	-	-	-	-	-
1	9	1	124	1,445	1,456	1,472	-	-	-	-	28	-	-	-	-	-	-	-
1	9	2	117	1,360	1,363	1,373	-	-	-	-	27	-	-	-	-	-	-	-
1	9	3	113	1,304	1,302	1,307	-	-	-	-	27	-	-	-	-	-	-	-
1	9	4	110	1,275	1,268	1,267	-	-	-	-	26	-	-	-	-	-	-	-
1	9	5	111	1,272	1,260	1,255	-	-	-	-	24	-	-	-	-	-	-	-
1	9	6	114	1,309	1,291	1,281	-	-	-	-	31	-	-	-	-	-	-	-
1	9	7	121	1,380	1,358	1,346	-	-	-	-	34	-	-	-	-	-	-	-
1	9	8	126	1,440	1,420	1,410	-	-	-	-	31	-	-	-	-	-	-	-
1	9	9	133	1,528	1,513	1,510	-	-	-	-	26	-	-	-	-	-	-	-
1	9	10	137	1,577	1,562	1,560	-	-	-	-	27	-	-	-	-	-	-	-
1	9	11	138	1,585	1,569	1,566	-	-	-	-	24	-	-	-	-	-	-	-
1	9	12	137	1,575	1,560	1,556	-	-	-	-	23	-	-	-	-	-	-	-
1	9	13	136	1,569	1,557	1,556	-	-	-	-	24	-	-	-	-	-	-	-
1	9	14	135	1,552	1,543	1,544	-	-	-	-	25	-	-	-	-	-	-	-
1	9	15	134	1,549	1,542	1,546	-	-	-	-	25	-	-	-	-	-	-	-
1	9	16	137	1,588	1,589	1,599	-	-	-	-	26	-	-	-	-	-	-	-
1	9	17	145	1,687	1,695	1,710	-	-	-	-	32	-	-	-	-	-	-	-
1	9	18	158	1,847	1,863	1,887	-	-	-	-	38	-	-	-	-	-	-	-
1	9	19	160	1,873	1,895	1,925	-	-	-	-	39	-	-	-	-	-	-	-
1	9	20	157	1,844	1,868	1,898	-	-	-	-	37	-	-	-	-	-	-	-
1	9	21	153	1,801	1,824	1,854	-	-	-	-	38	-	-	-	-	-	-	-
1	9	22	147	1,726	1,750	1,780	-	-	-	-	37	-	-	-	-	-	-	-

Month	Day	Hour	Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
			2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	5	12	64	2,937	3,103	3,499	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	5	13	65	2,956	3,129	3,531	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	5	14	63	2,918	3,083	3,478	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-
1	5	15	57	2,658	2,800	3,175	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-
1	5	16	39	1,871	1,965	2,296	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-
1	5	17	11	617	640	907	-	29	29	29	-	(0)	(1)	4	-	-	-	-
1	5	18	0	104	104	351	-	29	29	29	-	8	6	13	-	-	-	-
1	5	19	-	99	99	346	-	29	29	29	-	7	7	11	-	-	-	-
1	5	20	-	90	90	337	-	29	29	29	-	1	4	10	-	-	-	-
1	5	21	-	78	78	325	-	29	29	29	-	2	3	12	-	-	-	-
1	5	22	-	63	63	310	-	29	29	29	-	7	9	3	-	-	-	-
1	5	23	-	57	57	304	-	29	29	29	-	8	3	10	-	-	-	-
1	5	24	-	46	46	293	-	29	29	29	-	6	8	5	-	-	-	-
1	6	1	-	25	25	272	-	29	29	29	-	(1)	2	5	-	-	-	-
1	6	2	-	15	15	262	-	29	29	29	-	2	(1)	(0)	-	-	-	-
1	6	3	-	9	9	256	-	29	29	29	-	(2)	8	(6)	-	-	-	-
1	6	4	-	5	5	252	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-
1	6	5	-	5	5	252	-	29	29	29	-	(0)	1	(1)	-	-	-	-
1	6	6	-	6	6	253	-	29	29	29	-	12	(0)	(2)	-	-	-	-
1	6	7	0	12	12	259	-	29	29	29	-	14	10	6	-	-	-	-
1	6	8	18	1,024	1,042	1,305	-	29	29	29	-	(1)	2	(1)	-	-	-	-
1	6	9	40	1,947	2,024	2,341	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-
1	6	10	54	2,465	2,591	2,951	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-
1	6	11	60	2,690	2,845	3,230	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-
1	6	12	64	2,831	3,000	3,398	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	6	13	65	2,837	3,008	3,408	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	6	14	63	2,798	2,960	3,351	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-
1	6	15	55	2,478	2,615	2,984	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-
1	6	16	38	1,715	1,806	2,135	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-
1	6	17	11	496	519	787	-	29	29	29	-	(0)	(1)	4	-	-	-	-
1	6	18	0	0	0	247	-	29	29	29	-	8	6	13	-	-	-	-
1	6	19	-	-	-	247	-	29	29	29	-	7	7	11	-	-	-	-
1	6	20	-	-	-	247	-	29	29	29	-	1	4	10	-	-	-	-
1	6	21	-	0	0	247	-	29	29	29	-	2	3	12	-	-	-	-
1	6	22	-	5	5	252	-	29	29	29	-	7	9	3	-	-	-	-
1	6	23	-	14	14	261	-	29	29	29	-	8	3	10	-	-	-	-
1	6	24	-	22	22	269	-	29	29	29	-	6	8	5	-	-	-	-
1	7	1	-	26	26	273	-	29	29	29	-	(1)	2	5	-	-	-	-
1	7	2	-	28	28	275	-	29	29	29	-	2	(1)	(0)	-	-	-	-
1	7	3	-	24	24	271	-	29	29	29	-	(2)	8	(6)	-	-	-	-
1	7	4	-	19	19	266	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-
1	7	5	-	17	17	264	-	29	29	29	-	(0)	1	(1)	-	-	-	-
1	7	6	-	15	15	262	-	29	29	29	-	12	(0)	(2)	-	-	-	-
1	7	7	0	18	18	265	-	29	29	29	-	14	10	6	-	-	-	-
1	7	8	18	1,042	1,059	1,322	-	29	29	29	-	(1)	2	(1)	-	-	-	-
1	7	9	40	1,958	2,035	2,351	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-
1	7	10	53	2,462	2,588	2,948	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-
1	7	11	61	2,740	2,896	3,283	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-
1	7	12	65	2,849	3,023	3,426	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	7	13	66	2,858	3,035	3,441	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	7	14	64	2,814	2,983	3,381	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-
1	7	15	56	2,516	2,660	3,036	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-
1	7	16	41	1,872	1,967	2,299	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-
1	7	17	12	589	615	885	-	29	29	29	-	(0)	(1)	4	-	-	-	-
1	7	18	0	12	12	259	-	29	29	29	-	8	6	13	-	-	-	-
1	7	19	-	6	6	253	-	29	29	29	-	7	7	11	-	-	-	-
1	7	20	-	4	4	251	-	29	29	29	-	1	4	10	-	-	-	-
1	7	21	-	5	5	252	-	29	29	29	-	2	3	12	-	-	-	-
1	7	22	-	5	5	252	-	29	29	29	-	7	9	3	-	-	-	-
1	7	23	-	4	4	251	-	29	29	29	-	8	3	10	-	-	-	-
1	7	24	-	4	4	251	-	29	29	29	-	6	8	5	-	-	-	-
1	8	1	-	4	4	251	-	29	29	29	-	(1)	2	5	-	-	-	-
1	8	2	-	4	4	251	-	29	29	29	-	2	(1)	(0)	-	-	-	-
1	8	3	-	5	5	252	-	29	29	29	-	(2)	8	(6)	-	-	-	-
1	8	4	-	5	5	252	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-
1	8	5	-	5	5	252	-	29	29	29	-	(0)	1	(1)	-	-	-	-
1	8	6	-	5	5	252	-	29	29	29	-	12	(0)	(2)	-	-	-	-
1	8	7	0	9	9	256	-	29	29	29	-	14	10	6	-	-	-	-
1	8	8	18	992	1,009	1,272	-	29	29	29	-	(1)	2	(1)	-	-	-	-
1	8	9	39	1,906	1,983	2,298	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-
1	8	10	53	2,425	2,550	2,910	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-
1	8	11	61	2,719	2,875	3,261	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-
1	8	12	65	2,843	3,015	3,415	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	8	13	65	2,834	3,009	3,413	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	8	14	62	2,739	2,905	3,300	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-
1	8	15	55	2,457	2,598	2,972	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-
1	8	16	38	1,711	1,807	2,140	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-
1	8	17	12	557	586	858	-	29	29	29	-	(0)	(1)	4	-	-	-	-
1	8	18	0	25	25	272	-	29	29	29	-	8	6	13	-	-	-	-
1	8	19	-	31	31	278	-	29	29	29	-	7	7	11	-	-	-	-
1	8	20	-	31	31	278	-	29	29	29	-	1	4	10	-	-	-	-
1	8	21	-	29	29	276	-	29	29	29	-	2	3	12	-	-	-	-
1	8	22	-	23	23	270	-	29	29	29	-	7	9	3	-	-	-	-
1	8	23	-	20	20	267	-	29	29	29	-	8	3	10	-	-	-	-
1	8	24	-	12	12	259	-	29	29	29	-	6	8	5	-	-	-	-
1	9	1	-	7	7	254	-	29	29	29	-	(1)	2	5	-	-	-	-
1	9	2	-	4	4	251	-	29	29	29	-	2	(1)	(0)	-	-	-	-
1	9	3	-	2	2	249	-	29	29	29	-	(2)	8	(6)	-	-	-	-
1	9	4	-	0	0	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-
1	9	5	-	0	0	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-
1	9	6	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-
1	9	7	0	5	5	252	-	29	29	29	-	14	10	6	-	-	-	-
1	9	8	18	1,040	1,056	1,318	-	29	29	29	-	(1)	2	(1)	-	-	-	-
1	9	9	39	1,909	1,985	2,300	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-
1	9	10	53	2,423	2,546	2,903	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-
1	9	11	60	2,697	2,850	3,234	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-
1	9	12	64	2,814	2,980	3,376	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	9	13	64	2,809	2,980	3,380	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-
1	9	14	61	2,692	2,853	3,244	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-
1	9	15	53	2,382	2,518	2,886	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-
1	9	16	37	1,649	1,740	2,069	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-
1	9	17	12	535	562	834	-	29	29	29	-	(0)	(1)	4	-	-	-	-
1	9	18	0	0	0	247	-	29	29	29	-	8	6	13	-	-	-	-
1	9	19	-	4	4	251	-	29	29	29	-	7	7	11	-	-	-	-
1	9	20	-	8	8	255	-	29	29	29	-	1	4	10	-	-	-	-
1	9	21	-	11	11	258	-	29	29	29	-	2	3	12	-	-	-	-
1	9	22	-	15	15	262	-	29	29	29	-	7	9	3	-	-	-	-

Month	Day	Hour	Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
			2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	5	12	73	(1,107)	(1,280)	(1,672)	0.379	0.199	0.200	0.103	28	(221)	(256)	(172)
1	5	13	71	(1,126)	(1,302)	(1,697)	0.379	0.199	0.200	0.103	27	(224)	(260)	(174)
1	5	14	68	(1,116)	(1,285)	(1,673)	0.379	0.199	0.200	0.103	26	(222)	(256)	(172)
1	5	15	70	(916)	(1,060)	(1,426)	0.379	0.196	0.196	0.097	26	(179)	(208)	(139)
1	5	16	86	(144)	(238)	(554)	0.380	0.193	0.194	0.187	33	(28)	(46)	(103)
1	5	17	113	1,166	1,154	901	0.397	0.402	0.399	0.387	45	469	460	349
1	5	18	133	1,864	1,886	1,660	0.404	0.404	0.398	0.382	54	753	752	634
1	5	19	136	1,922	1,949	1,732	0.406	0.406	0.401	0.384	55	780	782	665
1	5	20	135	1,902	1,928	1,709	0.405	0.405	0.400	0.383	55	770	771	654
1	5	21	130	1,856	1,882	1,659	0.404	0.403	0.399	0.382	52	749	750	633
1	5	22	121	1,754	1,779	1,572	0.401	0.401	0.396	0.378	48	703	704	594
1	5	23	109	1,598	1,629	1,405	0.398	0.396	0.392	0.373	44	632	638	524
1	5	24	120	1,670	1,692	1,478	0.397	0.393	0.387	0.369	48	656	654	546
1	6	1	91	1,336	1,343	1,107	0.399	0.392	0.386	0.367	36	524	518	406
1	6	2	85	1,264	1,269	1,030	0.399	0.392	0.384	0.366	34	495	488	377
1	6	3	81	1,224	1,211	981	0.399	0.392	0.382	0.366	32	479	463	359
1	6	4	82	1,212	1,206	958	0.398	0.391	0.382	0.366	33	474	461	351
1	6	5	86	1,239	1,225	975	0.396	0.388	0.382	0.365	34	481	468	356
1	6	6	88	1,325	1,320	1,066	0.396	0.389	0.383	0.366	35	515	505	390
1	6	7	100	1,487	1,473	1,222	0.395	0.393	0.386	0.370	39	585	568	453
1	6	8	96	619	583	320	0.394	0.385	0.384	0.375	38	238	224	120
1	6	9	85	(226)	(321)	(636)	0.377	0.196	0.195	0.195	32	(44)	(63)	(124)
1	6	10	75	(690)	(824)	(1,174)	0.379	0.195	0.195	0.103	28	(135)	(161)	(121)
1	6	11	74	(873)	(1,036)	(1,416)	0.380	0.199	0.200	0.103	28	(174)	(207)	(145)
1	6	12	76	(960)	(1,136)	(1,529)	0.379	0.199	0.200	0.103	29	(191)	(227)	(157)
1	6	13	76	(951)	(1,124)	(1,515)	0.379	0.199	0.200	0.103	29	(189)	(224)	(156)
1	6	14	72	(962)	(1,126)	(1,510)	0.379	0.199	0.200	0.103	27	(192)	(225)	(155)
1	6	15	79	(651)	(787)	(1,145)	0.379	0.196	0.196	0.097	30	(127)	(154)	(111)
1	6	16	99	156	68	(242)	0.380	0.193	0.194	0.187	38	30	13	(45)
1	6	17	124	1,425	1,415	1,165	0.397	0.402	0.399	0.387	49	573	564	451
1	6	18	140	2,049	2,073	1,849	0.404	0.404	0.398	0.382	57	828	826	706
1	6	19	141	2,083	2,111	1,896	0.406	0.406	0.401	0.384	57	845	847	728
1	6	20	140	2,056	2,082	1,866	0.405	0.405	0.400	0.383	57	832	833	714
1	6	21	135	1,995	2,022	1,801	0.404	0.403	0.399	0.382	54	805	806	687
1	6	22	125	1,866	1,892	1,686	0.401	0.401	0.396	0.378	50	748	749	637
1	6	23	113	1,685	1,716	1,494	0.398	0.396	0.392	0.373	45	667	672	557
1	6	24	125	1,753	1,777	1,565	0.397	0.393	0.387	0.369	50	688	687	577
1	7	1	94	1,368	1,375	1,140	0.399	0.392	0.386	0.367	37	536	531	418
1	7	2	88	1,280	1,286	1,047	0.399	0.392	0.384	0.366	35	501	494	384
1	7	3	84	1,236	1,223	994	0.399	0.392	0.382	0.366	33	484	468	364
1	7	4	83	1,216	1,211	963	0.398	0.391	0.382	0.366	33	475	463	352
1	7	5	88	1,245	1,232	982	0.396	0.388	0.382	0.365	35	484	470	359
1	7	6	89	1,327	1,322	1,069	0.396	0.389	0.383	0.366	35	516	506	391
1	7	7	102	1,500	1,486	1,235	0.395	0.393	0.386	0.370	40	590	573	458
1	7	8	96	600	564	302	0.394	0.385	0.384	0.375	38	231	217	113
1	7	9	80	(290)	(386)	(702)	0.377	0.196	0.195	0.195	30	(57)	(75)	(137)
1	7	10	67	(778)	(914)	(1,267)	0.379	0.195	0.195	0.103	26	(152)	(179)	(130)
1	7	11	64	(1,034)	(1,201)	(1,586)	0.380	0.199	0.200	0.103	24	(206)	(240)	(163)
1	7	12	61	(1,154)	(1,339)	(1,741)	0.379	0.199	0.200	0.103	23	(230)	(267)	(179)
1	7	13	57	(1,188)	(1,372)	(1,775)	0.379	0.199	0.200	0.103	22	(237)	(274)	(182)
1	7	14	56	(1,157)	(1,332)	(1,727)	0.379	0.199	0.200	0.103	21	(230)	(266)	(177)
1	7	15	62	(873)	(1,021)	(1,391)	0.379	0.196	0.196	0.097	23	(171)	(200)	(135)
1	7	16	78	(222)	(319)	(638)	0.380	0.193	0.194	0.187	29	(43)	(62)	(119)
1	7	17	106	1,130	1,114	857	0.397	0.402	0.399	0.387	42	454	444	331
1	7	18	131	1,925	1,947	1,720	0.404	0.404	0.398	0.382	53	778	776	657
1	7	19	135	2,000	2,026	1,809	0.406	0.406	0.401	0.384	55	812	813	694
1	7	20	136	1,994	2,019	1,801	0.405	0.405	0.400	0.383	55	807	807	689
1	7	21	131	1,947	1,974	1,751	0.404	0.403	0.399	0.382	53	785	787	668
1	7	22	123	1,841	1,866	1,660	0.401	0.401	0.396	0.378	49	738	739	627
1	7	23	112	1,687	1,718	1,495	0.398	0.396	0.392	0.373	45	667	673	557
1	7	24	113	1,621	1,642	1,426	0.397	0.393	0.387	0.369	45	637	635	526
1	8	1	94	1,398	1,406	1,171	0.399	0.392	0.386	0.367	38	548	543	430
1	8	2	89	1,315	1,321	1,083	0.399	0.392	0.384	0.366	35	515	508	397
1	8	3	85	1,272	1,259	1,031	0.399	0.392	0.382	0.366	34	498	481	377
1	8	4	86	1,259	1,255	1,008	0.398	0.391	0.382	0.366	34	492	480	369
1	8	5	90	1,285	1,272	1,023	0.396	0.388	0.382	0.365	36	499	486	373
1	8	6	92	1,371	1,367	1,114	0.396	0.389	0.383	0.366	36	533	523	407
1	8	7	105	1,553	1,541	1,291	0.395	0.393	0.386	0.370	42	611	594	478
1	8	8	100	698	663	402	0.394	0.385	0.384	0.375	40	269	255	151
1	8	9	85	(195)	(289)	(603)	0.377	0.196	0.195	0.195	32	(38)	(56)	(118)
1	8	10	70	(715)	(850)	(1,201)	0.379	0.195	0.195	0.103	27	(140)	(166)	(123)
1	8	11	64	(1,015)	(1,182)	(1,566)	0.380	0.199	0.200	0.103	24	(202)	(236)	(161)
1	8	12	60	(1,165)	(1,347)	(1,747)	0.379	0.199	0.200	0.103	23	(232)	(269)	(179)
1	8	13	56	(1,184)	(1,367)	(1,767)	0.379	0.199	0.200	0.103	21	(236)	(273)	(181)
1	8	14	55	(1,111)	(1,283)	(1,676)	0.379	0.199	0.200	0.103	21	(221)	(256)	(172)
1	8	15	60	(849)	(995)	(1,364)	0.379	0.196	0.196	0.097	23	(166)	(195)	(133)
1	8	16	77	(101)	(200)	(521)	0.380	0.193	0.194	0.187	29	(20)	(39)	(97)
1	8	17	104	1,134	1,114	853	0.397	0.402	0.399	0.387	41	456	444	330
1	8	18	126	1,859	1,879	1,651	0.404	0.404	0.398	0.382	51	751	749	631
1	8	19	129	1,908	1,932	1,713	0.406	0.406	0.401	0.384	52	774	775	658
1	8	20	129	1,892	1,916	1,696	0.405	0.405	0.400	0.383	52	766	766	649
1	8	21	125	1,855	1,880	1,656	0.404	0.403	0.399	0.382	51	748	749	632
1	8	22	120	1,791	1,816	1,609	0.401	0.401	0.396	0.378	48	718	719	608
1	8	23	113	1,674	1,705	1,483	0.398	0.396	0.392	0.373	45	662	668	553
1	8	24	112	1,605	1,626	1,409	0.397	0.393	0.387	0.369	44	630	629	520
1	9	1	96	1,411	1,419	1,184	0.399	0.392	0.386	0.367	38	553	547	434
1	9	2	90	1,325	1,332	1,094	0.399	0.392	0.384	0.366	36	519	512	401
1	9	3	85	1,276	1,263	1,034	0.399	0.392	0.382	0.366	34	500	483	378
1	9	4	84	1,246	1,241	994	0.398	0.391	0.382	0.366	34	487	474	364
1	9	5	86	1,244	1,230	980	0.396	0.388	0.382	0.365	34	483	470	358
1	9	6	83	1,269	1,263	1,007	0.396	0.389	0.383	0.366	33	494	483	368
1	9	7	86	1,332	1,315	1,059	0.395	0.393	0.386	0.370	34	524	507	392
1	9	8	76	373	333	65	0.394	0.385	0.384	0.375	30	144	128	24
1	9	9	68	(399)	(497)	(815)	0.377	0.196	0.195	0.195	26	(78)	(97)	(159)
1	9	10	58	(865)	(1,001)	(1,354)	0.379	0.195	0.195	0.103	22	(169)	(195)	(139)
1	9	11	53	(1,128)	(1,295)	(1,681)	0.380	0.199	0.200	0.103	20	(224)	(259)	(173)
1	9	12	51	(1,254)	(1,434)	(1,832)	0.379	0.199	0.200	0.103	19	(250)	(286)	(188)
1	9	13	48	(1,256)	(1,436)	(1,836)	0.379	0.199	0.200	0.103	18	(250)	(287)	(189)
1	9	14	48	(1,155)	(1,325)	(1,716)	0.379	0.199	0.200	0.103	18	(230)	(264)	(176)
1	9	15	55	(852)	(994)	(1,359)	0.379	0.196	0.196	0.097	21	(167)	(195)	(132)
1	9	16	74	(84)	(179)	(497)	0.380	0.193	0.194	0.187	28	(16)	(35)	(93)
1	9	17	101	1,124	1,104	844	0.397	0.402	0.399	0.387	40	452	440	327
1	9	18	120	1,810	1,828	1,598	0.404	0.404	0.398	0.382	49	731	729	611
1	9	19	121	1,833	1,855	1,634	0.406	0.406	0.401	0.384	49	744	745	627
1	9	20	120	1,807	1,828	1,605	0.405	0.405	0.400	0.383	49	732	731	615
1	9	21	116	1,759	1,781	1,554	0.404	0.403	0.399	0.382	47	709	710	593
1	9	22	110	1,675	1,697	1,487	0.401	0.401	0.396	0.378	44	671	672	562

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	9	23	138	1,620	1,644	1,672	-	-	-	-	34	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	8	3	10	-	-	-	-	103	1,565	1,593	1,368	0.398	0.396	0.392	0.373	41	619	624	510
1	9	24	133	1,561	1,581	1,606	-	-	-	-	29	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	6	8	5	-	-	-	-	104	1,507	1,525	1,306	0.397	0.393	0.387	0.369	41	592	590	482
1	10	1	117	1,369	1,378	1,391	-	-	-	-	28	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	(1)	2	5	-	-	-	-	89	1,322	1,328	1,092	0.399	0.392	0.386	0.367	36	518	513	400
1	10	2	110	1,282	1,284	1,291	-	-	-	-	27	-	-	-	-	-	-	-	-	22	22	269	-	29	29	29	-	2	(1)	(0)	-	-	-	-	83	1,229	1,234	994	0.399	0.392	0.384	0.366	33	482	474	364
1	10	3	106	1,223	1,219	1,221	-	-	-	-	27	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	(2)	8	(6)	-	-	-	-	78	1,172	1,158	927	0.399	0.392	0.382	0.366	31	459	443	339
1	10	4	103	1,191	1,182	1,179	-	-	-	-	26	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	77	1,136	1,129	880	0.398	0.391	0.382	0.366	31	444	432	322
1	10	5	103	1,179	1,164	1,157	-	-	-	-	24	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	(0)	1	(1)	-	-	-	-	78	1,126	1,109	857	0.396	0.388	0.382	0.365	31	437	424	313
1	10	6	105	1,199	1,178	1,165	-	-	-	-	31	-	-	-	-	-	-	-	-	23	23	270	-	29	29	29	-	12	(0)	(2)	-	-	-	-	74	1,137	1,128	870	0.396	0.389	0.383	0.366	29	442	432	318
1	10	7	109	1,245	1,220	1,205	-	-	-	-	34	-	-	-	-	-	-	-	0	23	23	270	-	29	29	29	-	14	10	6	-	-	-	-	75	1,179	1,158	900	0.395	0.393	0.386	0.370	30	464	447	333
1	10	8	114	1,303	1,279	1,266	-	-	-	-	31	-	-	-	-	-	-	-	2	157	159	408	-	29	29	29	-	(1)	2	(1)	-	-	-	-	81	1,118	1,090	832	0.394	0.385	0.384	0.375	32	431	418	312
1	10	9	121	1,386	1,367	1,361	-	-	-	-	26	-	-	-	-	-	-	-	12	562	591	864	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	83	806	752	471	0.377	0.196	0.195	0.195	31	158	147	92
1	10	10	126	1,443	1,425	1,420	-	-	-	-	27	-	-	-	-	-	-	-	20	808	873	1,178	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	79	616	535	231	0.379	0.195	0.195	0.103	30	120	104	24
1	10	11	127	1,458	1,439	1,433	-	-	-	-	24	-	-	-	-	-	-	-	29	1,192	1,278	1,603	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	74	251	147	(182)	0.380	0.199	0.200	0.103	28	50	29	(19)
1	10	12	127	1,461	1,443	1,435	-	-	-	-	23	-	-	-	-	-	-	-	41	1,825	1,932	2,275	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	64	(379)	(503)	(851)	0.379	0.199	0.200	0.103	24	(76)	(100)	(87)
1	10	13	127	1,459	1,444	1,440	-	-	-	-	24	-	-	-	-	-	-	-	40	1,757	1,864	2,207	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	64	(314)	(433)	(779)	0.379	0.199	0.200	0.103	24	(63)	(87)	(80)
1	10	14	126	1,454	1,443	1,441	-	-	-	-	25	-	-	-	-	-	-	-	35	1,518	1,617	1,954	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	67	(78)	(190)	(528)	0.379	0.199	0.200	0.103	25	(16)	(38)	(54)
1	10	15	128	1,476	1,468	1,469	-	-	-	-	25	-	-	-	-	-	-	-	21	773	857	1,179	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	82	684	592	272	0.379	0.196	0.196	0.097	31	134	116	26
1	10	16	131	1,518	1,517	1,525	-	-	-	-	26	-	-	-	-	-	-	-	17	709	769	1,071	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	88	786	720	428	0.380	0.193	0.194	0.187	33	151	140	80
1	10	17	139	1,616	1,621	1,635	-	-	-	-	32	-	-	-	-	-	-	-	4	207	225	488	-	29	29	29	-	(0)	(1)	4	-	-	-	-	102	1,380	1,368	1,115	0.397	0.402	0.399	0.387	41	555	545	431
1	10	18	155	1,811	1,826	1,849	-	-	-	-	38	-	-	-	-	-	-	-	0	76	76	323	-	29	29	29	-	8	6	13	-	-	-	-	117	1,698	1,716	1,485	0.404	0.404	0.398	0.382	47	686	684	567
1	10	19	159	1,863	1,885	1,915	-	-	-	-	39	-	-	-	-	-	-	-	-	87	87	334	-	29	29	29	-	7	7	11	-	-	-	-	120	1,741	1,763	1,541	0.406	0.406	0.401	0.384	49	706	707	591
1	10	20	157	1,849	1,873	1,903	-	-	-	-	37	-	-	-	-	-	-	-	-	98	98	345	-	29	29	29	-	1	4	10	-	-	-	-	120	1,721	1,742	1,519	0.405	0.405	0.400	0.383	49	697	697	582
1	10	21	154	1,808	1,832	1,861	-	-	-	-	38	-	-	-	-	-	-	-	-	103	103	350	-	29	29	29	-	2	3	12	-	-	-	-	116	1,674	1,697	1,470	0.404	0.403	0.399	0.382	47	675	676	561
1	10	22	145	1,710	1,735	1,764	-	-	-	-	37	-	-	-	-	-	-	-	-	104	104	351	-	29	29	29	-	7	9	3	-	-	-	-	109	1,571	1,593	1,382	0.401	0.401	0.396	0.378	44	630	631	522
1	10	23	133	1,567	1,590	1,617	-	-	-	-	34	-	-	-	-	-	-	-	-	103	103	350	-	29	29	29	-	8	3	10	-	-	-	-	99	1,429	1,456	1,229	0.398	0.396	0.392	0.373	39	565	570	458
1	10	24	126	1,475	1,493	1,516	-	-	-	-	29	-	-	-	-	-	-	-	-	100	100	347	-	29	29	29	-	6	8	5	-	-	-	-	97	1,341	1,357	1,136	0.397	0.393	0.387	0.369	38	527	525	419
1	11	1	112	1,311	1,319	1,331	-	-	-	-	28	-	-	-	-	-	-	-	-	100	100	347	-	29	29	29	-	(1)	2	5	-	-	-	-	84	1,184	1,189	951	0.399	0.392	0.386	0.367	34	464	459	349
1	11	2	107	1,246	1,247	1,254	-	-	-	-	27	-	-	-	-	-	-	-	-	96	96	343	-	29	29	29	-	2	(1)	(0)	-	-	-	-	80	1,119	1,123	882	0.399	0.392	0.384	0.366	32	439	432	323
1	11	3	104	1,208	1,203	1,205	-	-	-	-	27	-	-	-	-	-	-	-	-	91	91	338	-	29	29	29	-	(2)	8	(6)	-	-	-	-	77	1,090	1,075	844	0.399	0.392	0.382	0.366	31	427	411	309
1	11	4	104	1,201	1,192	1,189	-	-	-	-	26	-	-	-	-	-	-	-	-	96	96	343	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	78	1,077	1,070	821	0.398	0.391	0.382	0.366	31	421	409	300
1	11	5	107	1,235	1,222	1,216	-	-	-	-	24	-	-	-	-	-	-	-	-	93	93	340	-	29	29	29	-	(0)	1	(1)	-	-	-	-	83	1,114	1,099	849	0.396	0.388	0.382	0.365	33	433	420	310
1	11	6	118	1,348	1,330	1,321	-	-	-	-	31	-	-	-	-	-	-	-	-	87	87	334	-	29	29	29	-	12	(0)	(2)	-	-	-	-	86	1,220	1,215	960	0.396	0.389	0.383	0.366	34	475	465	351
1	11	7	135	1,552	1,534	1,527	-	-	-	-	34	-	-	-	-	-	-	-	0	93	93	340	-	29	29	29	-	14	10	6	-	-	-	-	101	1,416	1,403	1,152	0.395	0.393	0.386	0.370	40	557	541	427
1	11	8	145	1,661	1,646	1,643	-	-	-	-	31	-	-	-	-	-	-	-	18	1,111	1,126	1,386	-	29	29	29	-	(1)	2	(1)	-	-	-	-	95	523	489	229	0.394	0.385	0.384	0.375	38	201	188	86
1	11	9	145	1,667	1,655	1,656	-	-	-	-	26	-	-	-	-	-	-	-	35	1,862	1,925	2,228	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	83	(213)	(295)	(598)	0.377	0.196	0.195	0.195	31	(42)	(57)	(117)
1	11	10	146	1,677	1,665	1,666	-	-	-	-	27	-	-	-	-	-	-	-	46	2,280	2,382	2,721	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	72	(622)	(735)	(1,066)	0.379	0.195	0.195	0.103	27	(122)	(143)	(109)
1	11	11	146	1,679	1,666	1,665	-	-	-	-	24	-	-	-	-	-	-	-	50	2,369	2,494	2,853	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	71	(705)	(843)	(1,201)	0.380	0.199	0.200	0.103	27	(140)	(168)	(123)
1	11	12	145	1,667	1,654	1,652	-	-	-	-	23	-	-	-	-	-	-	-	49	2,199	2,336	2,705	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	73	(546)	(695)	(1,065)	0.379	0.199	0.200	0.103	28	(109)	(139)	(109)
1	11	13	143	1,653	1,644	1,645	-	-	-	-	24	-	-	-	-	-	-	-	42	1,807	1,942	2,310	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	77	(169)	(311)	(677)	0.379	0.199	0.200	0.103	29	(34)	(62)	(70)
1	11	14	143	1,648	1,641	1,644	-	-	-	-	25	-	-	-	-	-	-	-	39	1,691	1,814	2,172	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	79	(57)	(188)	(543)	0.379	0.199	0.200	0.103	30	(11)	(38)	(56)
1	11	15	142	1,641	1,636	1,642	-	-	-	-	25	-	-	-	-	-	-	-	29	1,199	1,298	1,633	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	88	423	320	(9)	0.379	0.196	0.196	0.097	33	83	63	(1)
1	11	16	143	1,658	1,660	1,672	-	-	-	-	26	-	-	-	-	-	-	-	21	971	1,035	1,339	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	96	664	598	306	0.380	0.193	0.194	0.187	36	128	116	57
1	11	17	149	1,735	1,744	1,761	-	-	-	-	32	-	-	-	-	-	-	-	6	341	359	622	-	29	29	29	-	(0)	(1)	4	-	-	-	-	111	1,366	1,357	1,106	0.397	0.402	0.399	0.387	44	549	541	428
1	11	18	167	1,949	1,968	1,995	-	-	-	-	38	-	-	-	-	-	-	-	0	105	105	352	-	29	29	29	-	8	6	13	-	-	-	-	129	1,808	1,829	1,602	0.404	0.404	0.398	0.382	52	731	729	612
1	11	19	171	2,010	2,036	2,069	-	-	-	-	39	-	-	-	-	-	-	-	-	96	96	343	-	29	29	29	-	7	7	11	-	-	-	-	132	1,879	1,904	1,686	0.406	0.406	0.401	0.384	54	762	764	647
1	11	20	170	1,997	2,024	2,059	-	-	-	-	37	-	-	-	-	-	-	-	-	78	78	325	-	29	29	29	-	1	4	10	-	-	-	-	133	1,889	1,914	1,695	0.405	0.405	0.400	0.383	54	765	765	649
1	11	21	166	1,947	1,974	2,007	-	-	-	-	38	-	-	-	-	-	-	-	-	71	71	318	-	29	29	29	-	2	3	12	-	-	-	-	128	1,845	1,871	1,648	0.404	0.403	0.399	0.382	52	744	746	629
1	11	22	157	1,846	1,873	1,906	-	-	-	-	37	-	-	-	-	-	-	-	-	63	63	310	-	29	29	29	-	7	9	3	-	-	-	-	120	1,747	1,772	1,564	0.401	0.401	0.396	0.378	48	700	702	591
1	11	23	143	1,682	1,708	1,738	-	-	-	-	34	-	-	-	-	-	-	-	-	60	60	307	-	29	29	29	-	8	3	10	-	-	-	-	109	1,586	1,616	1,392	0.398	0.396	0.392	0.373	43	627	633	519
1	11	24	138	1,625	1,646	1,673	-	-	-	-	29	-	-	-	-	-	-	-	-	64	64	311	-	29	29	29	-	6	8	5	-	-	-	-	110	1,526	1,546	1,329	0.397	0.393	0.387	0.369	43	599	598	490
1	12	1	119	1,390	1,400	1,414	-	-	-	-	28	-	-	-	-	-	-	-	-	72	72	319	-	29	29	29	-	(1)	2	5	-	-	-	-	91	1,291	1,298	1,062	0.399	0.392	0.386	0.367	36	506	501	389
1	12	2	113	1,319	1,322	1,331	-	-	-	-	27	-	-	-	-	-	-	-	-	70	70	317	-	29	29	29	-	2	(1)	(0)	-	-	-	-	86	1,218	1,224	985	0.399	0.392	0.384	0.366	34	477	470	361
1	12	3	110	1,277	1,274	1,278	-	-	-	-	27	-	-	-	-	-	-	-	-	79	79	326	-	29	29	29	-	(2)	8	(6)	-	-	-	-	83	1,172	1,159	930	0.399	0.392	0.382	0.366	33	459	443	340
1	12	4	110	1,268	1,260	1,260	-	-	-	-	26	-	-	-	-	-	-	-	-	72	72	319	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	84	1,167	1,162	915	0.398	0.391	0.382	0.366	33	456	444	335
1	12	5	113	1,301	1,289	1,285	-	-	-	-	24	-	-	-	-	-	-	-	-	57	57	304	-	29	29	29	-	(0)	1	(1)	-	-	-	-	89	1,216	1,203	954	0.396	0.388	0.382	0.365	35	472	460	348
1	12	6	123	1,416	1,400	1,393	-	-	-	-	31	-	-	-	-	-	-	-	-	53	53	300	-	29	29	29	-	12	(0)	(2)	-	-	-	-	92	1,323	1,319	1,066	0.396	0.389	0.383	0.366	36	514	505	390
1	12	7	141	1,619	1,603	1,598	-	-	-	-	34	-	-	-	-	-	-	-	0	50	50	297	-	29	29	29	-	14	10	6	-	-	-	-	107	1,527	1,515	1,266	0.395	0.393	0.386	0.370	42	601	584	469
1	12	8	150	1,724	1,710	1,708	-	-	-	-	31	-	-	-	-	-	-	-	4	231	238	492	-	29	29	29	-	(1)	2	(1)	-	-	-	-	115	1,466	1,441	1,189	0.394	0.385	0.384	0.375	45	564	553	445
1	12	9	149	1,716	1,705	1,708	-	-	-	-	26	-	-	-	-	-	-	-	12	428	478	770	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	111	1,271	1,203	912	0.377	0.196	0.195	0.195	42	249	234	178
1	12	10	148	1,710	1,698	1,700	-	-	-	-	27	-	-	-	-	-	-	-	21	745	831	1,156	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	101	946	849	533	0.379	0.195	0.195	0.103	38	185	166	55
1	12	11	147	1,696	1,683	1,682	-	-	-	-	24	-	-	-	-	-	-	-	30	1,158	1,270	1,617	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	93	522	399	53	0.380	0.199	0.200	0.103	35	104	80	5
1	12	12	146	1,676	1,663	1,661	-	-	-	-	23	-	-	-	-	-	-	-	40	1,599	1,731	2,096	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	83	61	(81)	(446)	0.379	0.199	0.200	0.103	31	12	(16)	(46)
1	12	13	143	1,654	1,644	1,645	-	-	-	-	24	-	-	-	-	-	-	-	48	2,030	2,177	2,555	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	71	(393)	(547)	(922)	0.379	0.199	0.200	0.103	27	(78)	(109)	(95)
1	12	14	141	1,632	1,625	1,628	-	-	-	-	25	-	-	-	-	-	-	-	51	2,244	2,385	2,758	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	65	(626)	(774)	(1,145)	0.379	0.199	0.200	0.103	25	(125)	(155)	(118)
1	12	15	140	1,618	1,613	1,618	-	-	-	-	25	-	-	-	-	-	-	-	47	2,048	2,176	2,537	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	68	(449)	(581)	(937)	0.379	0.196	0.196	0.097	26	(88)	(114)	(91)
1	12	16	140	1,627	1,629	1,640	-	-	-	-	26	-	-	-	-	-	-	-	35	1,585	1,674	2,001	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	79	18	(74)	(389)	0.380	0.193	0.194	0.187	30	3	(14)	(73)
1	12	17	145	1,688	1,696	1,712	-	-	-	-	32	-	-	-	-	-	-	-	11	554	582	853	-	29	29	29	-	(0)	(1)	4	-	-	-	-	101	1,106	1,086	826	0.397	0.402	0.399	0.387	40	445	433	320
1	12	18	163	1,906	1,924	1,950	-	-	-	-	38	-	-	-	-	-	-	-	0	44	44	291	-	29	29	29	-	8	6	13	-	-	-	-	125	1,826	1,846	1,617	0.404	0.404	0.398	0.382	51	738	736	618
1	12	19	168	1,976	2,000	2,033	-	-	-	-	39	-	-	-	-	-	-	-	-	47	47	294	-	29	29	29	-	7	7	11	-	-	-	-	129	1,894	1,918	1,699	0.406	0.406	0.401	0.384	53	768	770	652
1	12	20	167	1,966	1,993	2,026	-	-	-	-	37	-	-	-	-	-	-	-	-	47	47	294	-	29	29	29	-	1	4	10	-	-	-	-	130	1,890	1,914	1,694	0.405	0.405	0.400	0.383	53	765	765	649
1	12	21	164	1,930	1,956	1,989	-	-	-	-	38	-	-	-	-	-	-	-	-	47	47	294	-	29	29	29	-	2	3	12	-	-	-	-	127	1,853	1,878	1,655	0.404	0.403	0.399	0.382	51	747	749	632
1	12	22	156	1,834	1,861	1,894	-	-	-	-	37	-	-	-	-	-	-	-	-	54	54	301	-	29	29	29	-	7	9	3	-	-	-	-	119	1,744	1,769	1,561	0.401	0.401	0.396	0.378	48	699	700	590
1	12	23	142	1,673	1,698	1,728	-	-	-	-	34	-	-	-	-	-	-	-	-	57	57	304	-	29	29	29	-	8	3	10	-	-	-	-	108	1,580	1,610	1,386	0.398	0.396	0.392	0.373	43	625	630	517
1	12	24	138	1,621	1,643	1,669	-	-	-	-	29	-	-	-	-	-	-	-	-	55	55	302	-	29	29	29	-	6	8	5	-	-	-	-	109	1,531	1,551	1,334	0.397	0.393	0.387	0.369	43	601	600	492
1	13	1	119	1,392	1,401	1,416	-	-	-	-	28	-	-	-	-	-	-	-	-	52	52	299	-	29	29	29	-	(1)	2	5	-	-	-	-	91	1,312	1,319	1,083	0.399	0.392	0.386	0.367	36	514	509	397
1	13	2	114	1,323	1,326	1,335	-	-	-	-	27	-	-	-	-	-	-	-	-	49	49	296	-	29	29	29	-	2	(1)	(0)	-	-	-	-	87	1,243	1,249	1,010	0.399	0.392	0.384	0.366	35	487	480	370
1	13	3	111	1,282	1,279	1,283	-	-	-	-	27	-	-	-	-	-	-	-	-	45	45	292	-	29	29	29	-	(2)	8	(6)	-	-	-	-	83	1,211	1,198	969	0.399	0.392	0.382	0.366	33	474	458	354
1	13	4	110	1,274	1,267	1,266	-	-	-	-	26	-	-	-	-	-	-	-	-	43	43	290	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	84	1,203	1,198	951	0.398	0.391	0.382	0.366	34	470	458	348
1	13	5	113	1,303	1,292	1,288	-	-	-	-	24	-	-	-	-	-	-	-	-	49	49	296	-	29	29	29	-	(0)	1	(1)	-	-	-	-	89	1,226	1,213	964	0.396	0.388	0.382	0.365	35	476	463	352
1	13	6	123	1,416	1,400	1,393	-	-	-	-	31	-	-	-	-	-	-	-	-	50	50	297	-	29	29	29	-	12	(0)	(2)	-	-	-	-	92	1,325	1,322	1,069	0.396	0.389	0.383	0.366	36	515	506	391
1	13	7	140	1,614	1,598	1,592	-	-	-	-	34	-	-	-	-	-	-	-	0	53	53	300	-	29	29	29	-	14	10	6	-	-	-	-	106	1,519	1,507	1,258	0.395	0.393	0.386	0.370	42	598	581	466
1	13	8	150	1,728	1,714	1,712	-	-	-	-	31	-	-	-	-	-	-	-	18	1,093	1,107	1,367	-	29	29	29	-	(1)	2	(1)	-	-	-	-	101	608	576	318	0.394	0.385	0.384	0.375	40	234	221	119
1	13	9	152	1,756	1,747	1,750	-	-	-	-	26	-	-	-	-	-	-	-	40	2,035	2,103	2,412	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	87	(296)	(381)	(688)	0.377	0.196	0.195	0.195	33	(58)	(74)	(134)
1	13	10	152	1,753	1,742	1,745	-	-	-	-	27	-	-	-	-	-	-	-	54	2,560	2,679	3,032	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	71	(827)	(954)	(1,298)	0.379	0.195	0.195	0.103	27	(162)	(186)	(133)
1	13	11	151	1,734	1,722	1,722	-	-	-	-	24	-	-	-	-	-	-	-	61	2,800	2,950	3,332	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	65	(1,082)	(1,243)	(1,621)	0.380	0.199	0.200	0.103	25	(215)	(248)	(166)
1	13	12	148	1,710	1,698	1,697	-	-	-	-	23	-	-	-	-	-	-	-	65	2,854	3,024	3,424	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	61	(1,159)	(1,339)	(1,738)	0.379	0.199	0.200	0.103	23	(231)	(267)	(178)
1	13	13	146	1,683	1,674	1,676	-	-	-	-	24	-	-	-	-	-	-	-	66	2,871	3,049	3,456	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,204)	(1,389)	(1,792)	0.379	0.199	0.200	0.103	21	(240)	(277)	(184)
1	13	14	144	1,667	1,660	1,664	-	-	-	-	25	-	-	-	-	-	-	-	65	2,852	3,024	3,425	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	55	(1,200)	(1,379)	(1,776)	0.379	0.199	0.200	0.103	21	(239)	(275)	(182)
1	13	15	143	1,649	1,645	1,650	-	-	-	-	25	-	-	-	-	-	-	-	60	2,728	2,879	3,260	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	57	(1,098)	(1,252)	(1,628)	0.379	0.196	0.196	0.097	22	(215)	(245)	(158)
1	13	16	143	1,661	1,664	1,676	-	-	-	-	26	-	-	-	-	-	-	-	43	2,005	2,108	2,447	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	74	(367)	(472)	(799)	0.380	0.193	0.194	0.187	28	(71)	(92)	(149)
1	13	17	148	1,718	1,726	1,743	-	-	-	-	32	-	-	-	-	-	-	-	14	680	711	986	-	29	29	29	-	(0)	(1)	4	-	-	-	-	101	1,010	987	724	0.397	0.402	0.399	0.387	40	406	394	280
1	13	18	164	1,915	1,932	1,958	-	-	-	-	38	-	-	-	-	-	-	-	0	10	11	258	-	29	29	29	-	8	6	13	-	-	-	-	126	1,868	1,888	1,659	0.404	0.404	0.398	0.382	51	755	752	634
1	13	19	169	1,986	2,011	2,044	-	-	-	-	39	-	-	-	-	-	-	-	-	11	11	258	-	29	29	29	-	7	7	11	-	-	-	-	130	1,940	1,965	1,746	0.406	0.406	0.401	0.384	53	787	788	670
1	13	20	168	1,968	1,995	2,028	-	-	-	-	37	-	-	-	-	-	-	-	-	9	9	256	-	29	29	29	-	1	4	10	-	-	-	-	131	1,930	1,954	1,734	0.405	0.405	0.400	0.383	53	782	781	664
1	13	21	163	1,920	1,947	1,979	-	-	-	-	38	-	-	-	-	-	-	-	-	5	5	252	-	29	29	29	-	2	3	12	-	-	-	-	126	1,884	1,910	1,686	0.404	0.403	0.399	0.382	51	760	761	643
1	13	22	155	1,820	1,847	1,880	-	-	-	-	37	-	-	-	-	-	-	-	-	8	8	255	-	29	29	29	-	7	9	3	-	-	-	-	118	1,777	1,802	1,593	0.401	0.401	0.396	0.378	47	712	713	602
1	13	23	141	1,656	1,681	1,710	-	-	-	-	34	-	-	-	-	-	-	-	-	7	7	254	-	29	29	29	-	8	3	10	-	-	-	-	106	1,613	1,642	1,418	0.398	0.396	0.392	0.373	42	638	643	529
1	13	24	139	1,639	1,661	1,688	-	-	-	-	29	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	6	8	5	-	-	-	-	111	1,598	1,618	1,401	0.397	0.393	0.387	0.369	44	627	626	517
1	14	1	117	1,365	1,374	1,388	-	-	-	-	28	-	-	-	-	-	-	-	-	4	4	251	-	29	29	29	-	(1)	2	5	-	-	-	-	89	1,334	1,340	1,104	0.399	0.392	0.386	0.367	35	523	517	405
1	14	2	111	1,288	1,290	1,298	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,257	1,262	1,022	0.399	0.392	0.384	0.366	33	493	485	375
1	14	3	107	1,240	1,237	1,239	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	80	1,214	1,200	970	0.399	0.392	0.382	0.366	32	475	459	355
1	14	4	106	1,226	1,218	1,216	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	80	1,198	1,192	944	0.398	0.391	0.382	0.366	32	468	456	345
1	14	5	109	1,253	1,240	1,235	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-	85	1,225	1,211	961	0.396	0.388	0.382	0.365	34	476	462	351
1	14	6	119	1,360	1,342	1,333	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	87	1,319	1,314	1,060	0.396	0.389	0.383	0.366	35	513	503	388
1	14	7	135	1,553	1,535	1,528	-	-	-	-	34	-	-	-	-	-	-	-	0	6	6	253	-	29	29	29	-	14	10	6	-	-	-	-	101	1,505	1,491	1,240	0.395	0.393	0.386	0.370	40	592	575	459
1	14	8	144	1,656	1,641	1,637	-	-	-	-	31	-	-	-	-	-	-	-	18	1,036	1,053	1,315	-	29	29	29	-	(1)	2	(1)	-	-	-	-	95	593	558	295	0.394	0.385	0.384	0.375	37	228	214	110
1	14	9	145	1,667	1,655	1,656	-	-	-	-	26	-	-	-	-	-	-	-	41	2,017	2,095	2,412	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	78	(368)	(465)	(783)	0.377	0.196	0.195	0.195	29	(72)	(91)	(153)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	14	10	146	1,676	1,664	1,664	-	-	-	-	27	-	-	-	-	-	-	-	56	2,549	2,682	3,047	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	63	(893)	(1,036)	(1,394)	0.379	0.195	0.195	0.103	24	(174)	(202)	(143)
1	14	11	147	1,688	1,675	1,674	-	-	-	-	24	-	-	-	-	-	-	-	64	2,822	2,987	3,383	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	58	(1,149)	(1,326)	(1,720)	0.380	0.199	0.200	0.103	22	(228)	(265)	(177)
1	14	12	145	1,670	1,656	1,654	-	-	-	-	23	-	-	-	-	-	-	-	66	2,874	3,057	3,468	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,220)	(1,414)	(1,825)	0.379	0.199	0.200	0.103	21	(243)	(282)	(187)
1	14	13	143	1,650	1,640	1,641	-	-	-	-	24	-	-	-	-	-	-	-	67	2,884	3,069	3,481	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	52	(1,250)	(1,442)	(1,853)	0.379	0.199	0.200	0.103	20	(249)	(288)	(190)
1	14	14	142	1,637	1,630	1,632	-	-	-	-	25	-	-	-	-	-	-	-	65	2,856	3,031	3,434	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	52	(1,234)	(1,416)	(1,817)	0.379	0.199	0.200	0.103	20	(246)	(283)	(187)
1	14	15	140	1,620	1,615	1,620	-	-	-	-	25	-	-	-	-	-	-	-	58	2,593	2,742	3,122	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	57	(992)	(1,145)	(1,520)	0.379	0.196	0.196	0.097	22	(194)	(224)	(148)
1	14	16	141	1,631	1,633	1,644	-	-	-	-	26	-	-	-	-	-	-	-	39	1,775	1,875	2,211	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	75	(167)	(270)	(594)	0.380	0.193	0.194	0.187	29	(32)	(52)	(111)
1	14	17	145	1,692	1,699	1,715	-	-	-	-	32	-	-	-	-	-	-	-	13	600	629	902	-	29	29	29	-	(0)	(1)	4	-	-	-	-	101	1,064	1,042	780	0.397	0.402	0.399	0.387	40	428	416	302
1	14	18	163	1,905	1,922	1,948	-	-	-	-	38	-	-	-	-	-	-	-	0	29	29	276	-	29	29	29	-	8	6	13	-	-	-	-	125	1,840	1,860	1,631	0.404	0.404	0.398	0.382	51	744	741	623
1	14	19	168	1,971	1,995	2,027	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	7	7	11	-	-	-	-	129	1,898	1,922	1,703	0.406	0.406	0.401	0.384	52	770	771	654
1	14	20	166	1,953	1,979	2,012	-	-	-	-	37	-	-	-	-	-	-	-	-	36	36	283	-	29	29	29	-	1	4	10	-	-	-	-	129	1,887	1,911	1,691	0.405	0.405	0.400	0.383	52	764	764	647
1	14	21	162	1,906	1,932	1,964	-	-	-	-	38	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	2	3	12	-	-	-	-	125	1,839	1,864	1,639	0.404	0.403	0.399	0.382	50	742	743	626
1	14	22	153	1,805	1,831	1,863	-	-	-	-	37	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	7	9	3	-	-	-	-	117	1,733	1,757	1,548	0.401	0.401	0.396	0.378	47	694	696	585
1	14	23	140	1,648	1,672	1,702	-	-	-	-	34	-	-	-	-	-	-	-	-	40	40	287	-	29	29	29	-	8	3	10	-	-	-	-	106	1,572	1,601	1,377	0.398	0.396	0.392	0.373	42	622	627	513
1	14	24	137	1,610	1,632	1,658	-	-	-	-	29	-	-	-	-	-	-	-	-	43	43	290	-	29	29	29	-	6	8	5	-	-	-	-	108	1,533	1,552	1,335	0.397	0.393	0.387	0.369	43	602	600	493
1	15	1	117	1,364	1,373	1,387	-	-	-	-	28	-	-	-	-	-	-	-	-	40	40	287	-	29	29	29	-	(1)	2	5	-	-	-	-	89	1,296	1,302	1,066	0.399	0.392	0.386	0.367	35	508	503	391
1	15	2	111	1,288	1,290	1,298	-	-	-	-	27	-	-	-	-	-	-	-	-	38	38	285	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,219	1,224	985	0.399	0.392	0.384	0.366	33	478	470	361
1	15	3	107	1,239	1,235	1,238	-	-	-	-	27	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	(2)	8	(6)	-	-	-	-	80	1,176	1,162	932	0.399	0.392	0.382	0.366	32	460	444	341
1	15	4	106	1,225	1,217	1,215	-	-	-	-	26	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	80	1,158	1,152	903	0.398	0.391	0.382	0.366	32	453	440	330
1	15	5	109	1,251	1,238	1,232	-	-	-	-	24	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	(0)	1	(1)	-	-	-	-	85	1,184	1,170	920	0.396	0.388	0.382	0.365	33	460	447	336
1	15	6	118	1,350	1,333	1,324	-	-	-	-	31	-	-	-	-	-	-	-	-	32	32	279	-	29	29	29	-	12	(0)	(2)	-	-	-	-	87	1,278	1,272	1,018	0.396	0.389	0.383	0.366	34	497	487	372
1	15	7	134	1,535	1,517	1,510	-	-	-	-	34	-	-	-	-	-	-	-	0	37	37	284	-	29	29	29	-	14	10	6	-	-	-	-	99	1,456	1,442	1,191	0.395	0.393	0.386	0.370	39	573	556	441
1	15	8	145	1,669	1,653	1,650	-	-	-	-	31	-	-	-	-	-	-	-	19	1,122	1,139	1,402	-	29	29	29	-	(1)	2	(1)	-	-	-	-	95	519	484	221	0.394	0.385	0.384	0.375	37	200	186	83
1	15	9	148	1,709	1,698	1,700	-	-	-	-	26	-	-	-	-	-	-	-	42	2,085	2,164	2,482	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	80	(394)	(491)	(807)	0.377	0.196	0.195	0.195	30	(77)	(96)	(158)
1	15	10	151	1,743	1,732	1,735	-	-	-	-	27	-	-	-	-	-	-	-	55	2,539	2,671	3,036	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	69	(815)	(956)	(1,312)	0.379	0.195	0.195	0.103	26	(159)	(187)	(135)
1	15	11	151	1,745	1,733	1,734	-	-	-	-	24	-	-	-	-	-	-	-	64	2,846	3,010	3,404	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	63	(1,116)	(1,291)	(1,682)	0.380	0.199	0.200	0.103	24	(222)	(258)	(173)
1	15	12	150	1,726	1,714	1,714	-	-	-	-	23	-	-	-	-	-	-	-	66	2,902	3,084	3,495	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	61	(1,192)	(1,383)	(1,792)	0.379	0.199	0.200	0.103	23	(237)	(276)	(184)
1	15	13	146	1,685	1,676	1,678	-	-	-	-	24	-	-	-	-	-	-	-	67	2,914	3,100	3,513	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	55	(1,245)	(1,437)	(1,847)	0.379	0.199	0.200	0.103	21	(248)	(287)	(190)
1	15	14	144	1,659	1,652	1,656	-	-	-	-	25	-	-	-	-	-	-	-	65	2,884	3,058	3,461	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	53	(1,240)	(1,421)	(1,821)	0.379	0.199	0.200	0.103	20	(247)	(284)	(187)
1	15	15	141	1,626	1,622	1,627	-	-	-	-	25	-	-	-	-	-	-	-	60	2,711	2,863	3,246	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	55	(1,103)	(1,260)	(1,637)	0.379	0.196	0.196	0.097	21	(216)	(247)	(159)
1	15	16	140	1,623	1,625	1,636	-	-	-	-	26	-	-	-	-	-	-	-	44	2,040	2,146	2,488	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	70	(440)	(549)	(879)	0.380	0.193	0.194	0.187	27	(85)	(107)	(164)
1	15	17	144	1,672	1,679	1,694	-	-	-	-	32	-	-	-	-	-	-	-	15	738	768	1,041	-	29	29	29	-	(0)	(1)	4	-	-	-	-	97	905	883	621	0.397	0.402	0.399	0.387	38	364	352	240
1	15	18	159	1,856	1,873	1,897	-	-	-	-	38	-	-	-	-	-	-	-	0	37	37	284	-	29	29	29	-	8	6	13	-	-	-	-	121	1,783	1,802	1,572	0.404	0.404	0.398	0.382	49	721	718	601
1	15	19	163	1,913	1,936	1,966	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	29	29	29	-	7	7	11	-	-	-	-	124	1,841	1,864	1,644	0.406	0.406	0.401	0.384	50	747	748	631
1	15	20	160	1,880	1,905	1,936	-	-	-	-	37	-	-	-	-	-	-	-	-	35	35	282	-	29	29	29	-	1	4	10	-	-	-	-	123	1,815	1,837	1,615	0.405	0.405	0.400	0.383	50	735	735	618
1	15	21	156	1,827	1,851	1,882	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	29	29	29	-	2	3	12	-	-	-	-	118	1,763	1,786	1,560	0.404	0.403	0.399	0.382	48	711	712	595
1	15	22	149	1,746	1,772	1,802	-	-	-	-	37	-	-	-	-	-	-	-	-	31	31	278	-	29	29	29	-	7	9	3	-	-	-	-	112	1,680	1,703	1,493	0.401	0.401	0.396	0.378	45	673	674	564
1	15	23	138	1,627	1,651	1,680	-	-	-	-	34	-	-	-	-	-	-	-	-	29	29	276	-	29	29	29	-	8	3	10	-	-	-	-	104	1,562	1,591	1,366	0.398	0.396	0.392	0.373	41	618	623	509
1	15	24	139	1,632	1,654	1,680	-	-	-	-	29	-	-	-	-	-	-	-	-	28	28	275	-	29	29	29	-	6	8	5	-	-	-	-	110	1,569	1,589	1,373	0.397	0.393	0.387	0.369	44	616	615	507
1	16	1	115	1,349	1,357	1,371	-	-	-	-	28	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	(1)	2	5	-	-	-	-	87	1,293	1,299	1,063	0.399	0.392	0.386	0.367	35	507	501	390
1	16	2	109	1,264	1,266	1,273	-	-	-	-	27	-	-	-	-	-	-	-	-	24	24	271	-	29	29	29	-	2	(1)	(0)	-	-	-	-	82	1,210	1,214	974	0.399	0.392	0.384	0.366	33	474	467	357
1	16	3	104	1,208	1,204	1,205	-	-	-	-	27	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	(2)	8	(6)	-	-	-	-	77	1,161	1,146	915	0.399	0.392	0.382	0.366	31	455	438	335
1	16	4	102	1,179	1,170	1,167	-	-	-	-	26	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	76	1,134	1,127	877	0.398	0.391	0.382	0.366	30	443	431	321
1	16	5	103	1,178	1,163	1,156	-	-	-	-	24	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	(0)	1	(1)	-	-	-	-	78	1,133	1,117	865	0.396	0.388	0.382	0.365	31	440	427	316
1	16	6	106	1,214	1,193	1,181	-	-	-	-	31	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	12	(0)	(2)	-	-	-	-	75	1,156	1,147	890	0.396	0.389	0.383	0.366	30	450	439	325
1	16	7	113	1,286	1,262	1,248	-	-	-	-	34	-	-	-	-	-	-	-	0	24	24	271	-	29	29	29	-	14	10	6	-	-	-	-	78	1,220	1,200	942	0.395	0.393	0.386	0.370	31	480	463	349
1	16	8	118	1,352	1,329	1,318	-	-	-	-	31	-	-	-	-	-	-	-	19	1,064	1,081	1,343	-	29	29	29	-	(1)	2	(1)	-	-	-	-	69	261	218	(52)	0.394	0.385	0.384	0.375	27	100	84	(20)
1	16	9	126	1,439	1,422	1,417	-	-	-	-	26	-	-	-	-	-	-	-	41	2,012	2,090	2,406	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	59	(591)	(693)	(1,015)	0.377	0.196	0.195	0.195	22	(116)	(135)	(198)
1	16	10	129	1,473	1,456	1,452	-	-	-	-	27	-	-	-	-	-	-	-	55	2,536	2,664	3,027	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	47	(1,082)	(1,226)	(1,586)	0.379	0.195	0.195	0.103	18	(211)	(239)	(163)
1	16	11	130	1,491	1,474	1,468	-	-	-	-	24	-	-	-	-	-	-	-	63	2,820	2,981	3,372	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	43	(1,344)	(1,521)	(1,916)	0.380	0.199	0.200	0.103	16	(267)	(304)	(197)
1	16	12	129	1,482	1,465	1,458	-	-	-	-	23	-	-	-	-	-	-	-	66	2,871	3,048	3,455	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	41	(1,404)	(1,597)	(2,008)	0.379	0.199	0.200	0.103	15	(280)	(319)	(206)
1	16	13	127	1,465	1,451	1,447	-	-	-	-	24	-	-	-	-	-	-	-	66	2,882	3,064	3,473	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	37	(1,433)	(1,626)	(2,038)	0.379	0.199	0.200	0.103	14	(286)	(325)	(209)
1	16	14	126	1,445	1,433	1,431	-	-	-	-	25	-	-	-	-	-	-	-	65	2,846	3,017	3,418	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	36	(1,416)	(1,599)	(2,002)	0.379	0.199	0.200	0.103	14	(282)	(319)	(206)
1	16	15	124	1,429	1,420	1,420	-	-	-	-	25	-	-	-	-	-	-	-	59	2,676	2,821	3,199	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	40	(1,265)	(1,420)	(1,797)	0.379	0.196	0.196	0.097	15	(248)	(278)	(175)
1	16	16	124	1,433	1,430	1,437	-	-	-	-	26	-	-	-	-	-	-	-	44	2,017	2,118	2,455	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	54	(607)	(716)	(1,046)	0.380	0.193	0.194	0.187	21	(117)	(139)	(195)
1	16	17	128	1,489	1,492	1,502	-	-	-	-	32	-	-	-	-	-	-	-	15	726	753	1,025	-	29	29	29	-	(0)	(1)	4	-	-	-	-	81	735	710	445	0.397	0.402	0.399	0.387	32	295	283	172
1	16	18	145	1,696	1,709	1,729	-	-	-	-	38	-	-	-	-	-	-	-	0	0	0	247	-	29	29	29	-	8	6	13	-	-	-	-	107	1,660	1,675	1,441	0.404	0.404	0.398	0.382	43	671	667	550
1	16	19	150	1,757	1,777	1,803	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	7	11	-	-	-	-	111	1,722	1,741	1,517	0.406	0.406	0.401	0.384	45	698	699	582
1	16	20	148	1,731	1,752	1,779	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	1	4	10	-	-	-	-	110	1,701	1,720	1,494	0.405	0.405	0.400	0.383	45	689	688	572
1	16	21	144	1,692	1,713	1,740	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	3	12	-	-	-	-	107	1,662	1,682	1,452	0.404	0.403	0.399	0.382	43	670	670	554
1	16	22	139	1,628	1,650	1,678	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	9	3	-	-	-	-	102	1,593	1,613	1,400	0.401	0.401	0.396	0.378	41	638	639	529
1	16	23	130	1,528	1,550	1,576	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	8	3	10	-	-	-	-	96	1,492	1,519	1,291	0.398	0.396	0.392	0.373	38	590	595	481
1	16	24	125	1,463	1,481	1,504	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	6	8	5	-	-	-	-	96	1,429	1,445	1,224	0.397	0.393	0.387	0.369	38	561	559	452
1	17	1	111	1,300	1,307	1,319	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(1)	2	5	-	-	-	-	83	1,272	1,276	1,038	0.399	0.392	0.386	0.367	33	498	493	381
1	17	2	106	1,226	1,227	1,233	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	78	1,195	1,199	957	0.399	0.392	0.384	0.366	31	468	461	351
1	17	3	102	1,178	1,173	1,174	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,151	1,136	904	0.399	0.392	0.382	0.366	30	451	434	331
1	17	4	100	1,151	1,141	1,137	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	74	1,123	1,115	865	0.398	0.391	0.382	0.366	29	439	426	316
1	17	5	100	1,143	1,128	1,119	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-	75	1,115	1,098	845	0.396	0.388	0.382	0.365	30	433	420	309
1	17	6	102	1,165	1,143	1,129	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	71	1,125	1,115	856	0.396	0.389	0.383	0.366	28	437	427	313
1	17	7	107	1,216	1,191	1,175	-	-	-	-	34	-	-	-	-	-	-	-	0	7	7	254	-	29	29	29	-	14	10	6	-	-	-	-	73	1,167	1,146	886	0.395	0.393	0.386	0.370	29	459	442	328
1	17	8	110	1,256	1,231	1,218	-	-	-	-	31	-	-	-	-	-	-	-	19	1,057	1,073	1,334	-	29	29	29	-	(1)	2	(1)	-	-	-	-	61	172	128	(143)	0.394	0.385	0.384	0.375	24	66	49	(54)
1	17	9	115	1,312	1,292	1,284	-	-	-	-	26	-	-	-	-	-	-	-	40	2,008	2,078	2,389	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	49	(713)	(811)	(1,131)	0.377	0.196	0.195	0.195	18	(140)	(158)	(221)
1	17	10	118	1,345	1,325	1,317	-	-	-	-	27	-	-	-	-	-	-	-	54	2,561	2,681	3,036	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	36	(1,235)	(1,374)	(1,730)	0.379	0.195	0.195	0.103	14	(241)	(268)	(178)
1	17	11	120	1,371	1,350	1,341	-	-	-	-	24	-	-	-	-	-	-	-	61	2,767	2,914	3,292	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	35	(1,411)	(1,577)	(1,963)	0.380	0.199	0.200	0.103	13	(281)	(315)	(202)
1	17	12	120	1,377	1,357	1,348	-	-	-	-	23	-	-	-	-	-	-	-	62	2,790	2,944	3,329	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	36	(1,429)	(1,601)	(1,993)	0.379	0.199	0.200	0.103	14	(285)	(320)	(205)
1	17	13	120	1,373	1,356	1,350	-	-	-	-	24	-	-	-	-	-	-	-	64	2,829	2,995	3,390	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	32	(1,472)	(1,652)	(2,052)	0.379	0.199	0.200	0.103	12	(293)	(330)	(211)
1	17	14	119	1,366	1,352	1,348	-	-	-	-	25	-	-	-	-	-	-	-	62	2,799	2,954	3,340	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	32	(1,448)	(1,616)	(2,007)	0.379	0.199	0.200	0.103	12	(288)	(323)	(206)
1	17	15	119	1,368	1,358	1,356	-	-	-	-	25	-	-	-	-	-	-	-	57	2,607	2,744	3,113	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	37	(1,257)	(1,405)	(1,776)	0.379	0.196	0.196	0.097	14	(246)	(275)	(173)
1	17	16	121	1,398	1,395	1,400	-	-	-	-	26	-	-	-	-	-	-	-	43	1,993	2,095	2,434	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	52	(618)	(728)	(1,061)	0.380	0.193	0.194	0.187	20	(119)	(141)	(198)
1	17	17	125	1,457	1,459	1,468	-	-	-	-	32	-	-	-	-	-	-	-	15	749	777	1,049	-	29	29	29	-	(0)	(1)	4	-	-	-	-	78	680	654	387	0.397	0.402	0.399	0.387	31	273	261	150
1	17	18	143	1,671	1,683	1,703	-	-	-	-	38	-	-	-	-	-	-	-	0	29	29	277	-	29	29	29	-	8	6	13	-	-	-	-	105	1,605	1,619	1,385	0.404	0.404	0.398	0.382	43	649	645	529
1	17	19	149	1,749	1,768	1,794	-	-	-	-	39	-	-	-	-	-	-	-	-	28	28	275	-	29	29	29	-	7	7	11	-	-	-	-	110	1,686	1,705	1,480	0.406	0.406	0.401	0.384	45	684	684	568
1	17	20	148	1,734	1,755	1,783	-	-	-	-	37	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	1	4	10	-	-	-	-	111	1,678	1,696	1,471	0.405	0.405	0.400	0.383	45	679	678	563
1	17	21	145	1,699	1,720	1,747	-	-	-	-	38	-	-	-	-	-	-	-	-	28	28	275	-	29	29	29	-	2	3	12	-	-	-	-	107	1,641	1,661	1,432	0.404	0.403	0.399	0.382	43	662	662	547
1	17	22	138	1,625	1,647	1,674	-	-	-	-	37	-	-	-	-	-	-	-	-	36	36	283	-	29	29	29	-	7	9	3	-	-	-	-	102	1,553	1,573	1,359	0.401	0.401	0.396	0.378	41	622	623	514
1	17	23	128	1,509	1,530	1,556	-	-	-	-	34	-	-	-	-	-	-	-	-	36	36	283	-	29	29	29	-	8	3	10	-	-	-	-	94	1,437	1,463	1,235	0.398	0.396	0.392	0.373	37	569	573	460
1	17	24	119	1,399	1,415	1,436	-	-	-	-	29	-	-	-	-	-	-	-	-	35	35	282	-	29	29	29	-	6	8	5	-	-	-	-	91	1,329	1,344	1,121	0.397	0.393	0.387	0.369	36	522	520	414
1	18	1	109	1,267	1,274	1,285	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	(1)	2	5	-	-	-	-	81	1,201	1,205	966	0.399	0.392	0.386	0.367	32	471	465	354
1	18	2	103	1,197	1,197	1,203	-	-	-	-	27	-	-	-	-	-	-	-	-	45	45	292	-	29	29	29	-	2	(1)	(0)	-	-	-	-	76	1,122	1,124	882	0.399	0.392	0.384	0.366	30	439	432	323
1	18	3	100	1,154	1,148	1,149	-	-	-	-	27	-	-	-	-	-	-	-	-	46	46	293	-	29	29	29	-	(2)	8	(6)	-	-	-	-	73	1,082	1,066	833	0.399	0.392	0.382	0.366	29	424	408	305
1	18	4	99	1,139	1,128	1,124	-	-	-	-	26	-	-	-	-	-	-	-	-	45	45	292	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	73	1,066	1,058	807	0.398	0.391	0.382	0.366	29	417	404	295
1	18	5	101	1,164	1,149	1,141	-	-	-	-	24	-	-	-	-	-	-	-	-	44	44	291	-	29	29	29	-	(0)	1	(1)	-	-	-	-	77	1,092	1,075	823	0.396	0.388	0.382	0.365	31	424	411	300
1	18	6	108	1,240	1,220	1,208	-	-	-	-	31	-	-	-	-	-	-	-	-	43	43	290	-	29	29	29	-	12	(0)	(2)	-	-	-	-	77	1,157	1,149	892	0.396	0.389	0.383	0.366	31	450	440	326
1	18	7	119	1,365	1,343	1,330	-	-	-	-	34	-	-	-	-	-	-	-	0	53	53	300	-	29	29	29	-	14	10	6	-	-	-	-	85	1,269	1,251	996	0.395	0.393	0.386	0.370	34	499	483	369
1	18	8	129	1,474	1,454	1,446	-	-	-	-	31	-	-	-	-	-	-	-	20	1,162	1,180	1,442	-	29	29	29	-	(1)	2	(1)	-	-	-	-	78	284	244	(23)	0.394	0.385	0.384	0.375	31	109	94	(9)
1	18	9	137	1,571	1,557	1,556	-	-	-	-	26	-	-	-	-	-	-	-	41	2,071	2,149	2,466	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	69	(517)	(616)	(936)	0.377	0.196	0.195	0.195	26	(101)	(120)	(183)
1	18	10	142	1,638	1,625	1,624	-	-	-	-	27	-	-	-	-	-	-	-	55	2,604	2,733	3,095	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	60	(985)	(1,126)	(1,482)	0.379	0.195	0.195	0.103	23	(193)	(220)	(152)
1	18	11	145	1,665	1,651	1,650	-	-	-	-	24	-	-	-	-	-	-	-	63	2,850	3,012	3,403	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	57	(1,201)	(1,374)	(1,766)	0.380	0.199	0.200	0.103	22	(239)	(274)	(181)
1	18	12	145	1,669	1,655	1,654	-	-	-	-	23	-	-	-	-	-	-	-	66	2,897	3,074	3,480	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,243)	(1,432)	(1,838)	0.379	0.199	0.200	0.103	21	(248)	(286)	(189)
1	18	13	144	1,665	1,656	1,657	-	-	-	-	24	-	-	-	-	-	-	-	66	2,902	3,080	3,487	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	55	(1,252)	(1,437)	(1,841)	0.379	0.199	0.200	0.103	21	(249)	(287)	(189)
1	18	14	144	1,666	1,659	1,663	-	-	-	-	25	-	-	-	-	-	-	-	64	2,834	3,003	3,401	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	56	(1,183)	(1,359)	(1,754)	0.379	0.199	0.200	0.103	21	(236)	(271)	(180)
1	18	15	144	1,662	1,658	1,665	-	-	-	-	25	-	-	-	-	-	-	-	59	2,662	2,813	3,196	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	60	(1,019)	(1,174)	(1,549)	0.379	0.196	0.196	0.097	23	(199)	(230)	(151)
1	18	16	144	1,668	1,671	1,683	-	-	-	-	26	-	-	-	-	-	-	-	45	2,128	2,236	2,579	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	73	(482)	(592)	(923)	0.380	0.193	0.194	0.187	28	(93)	(115)	(172)
1	18	17	147	1,711	1,719	1,735	-	-	-	-	32	-	-	-	-	-	-	-	16	844	872	1,145	-	29	29	29	-	(0)	(1)	4	-	-	-	-	99	839	819	558	0.397	0.402	0.399	0.387	39	337	326	216
1	18	18	161	1,886	1,903	1,928	-	-	-	-	38	-	-	-	-	-	-	-	0	64	64	311	-	29	29	29	-	8	6	13	-	-	-	-	124	1,785	1,805	1,575	0.404	0.404	0.398	0.382	50	721	719	602
1	18	19	166	1,949	1,973	2,005	-	-	-	-	39	-	-	-	-	-	-	-	-	67	67	314	-	29	29	29	-	7	7	11	-	-	-	-	127	1,847	1,871	1,651	0.406	0.406	0.401	0.384	52	749	751	634
1	18	20	163	1,913	1,939	1,971	-	-	-	-	37	-	-	-	-	-	-	-	-	71	71	318	-	29	29	29	-	1	4	10	-	-	-	-	126	1,812	1,835	1,614	0.405	0.405	0.400	0.383	51	734	734	618

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	18	21	157	1,849	1,873	1,904	-	-	-	-	38	-	-	-	-	-	-	-	-	68	68	315	-	29	29	29	-	2	3	12	-	-	-	-	120	1,750	1,774	1,548	0.404	0.403	0.399	0.382	48	706	707	591
1	18	22	147	1,732	1,757	1,787	-	-	-	-	37	-	-	-	-	-	-	-	-	60	60	307	-	29	29	29	-	7	9	3	-	-	-	-	111	1,636	1,659	1,448	0.401	0.401	0.396	0.378	44	656	657	547
1	18	23	134	1,571	1,594	1,621	-	-	-	-	34	-	-	-	-	-	-	-	-	49	49	296	-	29	29	29	-	8	3	10	-	-	-	-	99	1,486	1,513	1,287	0.398	0.396	0.392	0.373	39	588	592	480
1	18	24	137	1,606	1,627	1,653	-	-	-	-	29	-	-	-	-	-	-	-	-	46	46	293	-	29	29	29	-	6	8	5	-	-	-	-	108	1,524	1,544	1,326	0.397	0.393	0.387	0.369	43	599	597	489
1	19	1	110	1,289	1,296	1,308	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	29	29	29	-	(1)	2	5	-	-	-	-	82	1,222	1,226	988	0.399	0.392	0.386	0.367	33	479	473	362
1	19	2	104	1,211	1,212	1,218	-	-	-	-	27	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	2	(1)	(0)	-	-	-	-	77	1,144	1,147	905	0.399	0.392	0.384	0.366	31	448	441	332
1	19	3	101	1,165	1,159	1,160	-	-	-	-	27	-	-	-	-	-	-	-	-	36	36	283	-	29	29	29	-	(2)	8	(6)	-	-	-	-	73	1,102	1,086	854	0.399	0.392	0.382	0.366	29	431	415	312
1	19	4	100	1,151	1,141	1,137	-	-	-	-	26	-	-	-	-	-	-	-	-	35	35	282	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	74	1,087	1,080	829	0.398	0.391	0.382	0.366	29	425	413	303
1	19	5	103	1,180	1,166	1,158	-	-	-	-	24	-	-	-	-	-	-	-	-	34	34	281	-	29	29	29	-	(0)	1	(1)	-	-	-	-	79	1,118	1,102	850	0.396	0.388	0.382	0.365	31	434	421	310
1	19	6	112	1,286	1,267	1,256	-	-	-	-	31	-	-	-	-	-	-	-	-	34	34	281	-	29	29	29	-	12	(0)	(2)	-	-	-	-	81	1,211	1,204	948	0.396	0.389	0.383	0.366	32	471	461	347
1	19	7	129	1,473	1,454	1,444	-	-	-	-	34	-	-	-	-	-	-	-	0	34	34	281	-	29	29	29	-	14	10	6	-	-	-	-	94	1,397	1,382	1,129	0.395	0.393	0.386	0.370	37	550	533	418
1	19	8	138	1,579	1,562	1,556	-	-	-	-	31	-	-	-	-	-	-	-	8	479	491	748	-	29	29	29	-	(1)	2	(1)	-	-	-	-	98	1,072	1,041	781	0.394	0.385	0.384	0.375	39	413	400	293
1	19	9	139	1,598	1,584	1,583	-	-	-	-	26	-	-	-	-	-	-	-	26	1,212	1,275	1,578	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	87	368	284	(21)	0.377	0.196	0.195	0.195	33	72	55	(4)
1	19	10	142	1,628	1,615	1,614	-	-	-	-	27	-	-	-	-	-	-	-	37	1,583	1,686	2,026	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	78	27	(89)	(422)	0.379	0.195	0.195	0.103	29	5	(17)	(43)
1	19	11	144	1,661	1,647	1,646	-	-	-	-	24	-	-	-	-	-	-	-	40	1,660	1,783	2,140	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	80	(14)	(149)	(506)	0.380	0.199	0.200	0.103	30	(3)	(30)	(52)
1	19	12	146	1,682	1,669	1,667	-	-	-	-	23	-	-	-	-	-	-	-	41	1,706	1,835	2,197	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	82	(40)	(180)	(542)	0.379	0.199	0.200	0.103	31	(8)	(36)	(56)
1	19	13	146	1,681	1,672	1,674	-	-	-	-	24	-	-	-	-	-	-	-	35	1,339	1,463	1,820	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	87	326	196	(158)	0.379	0.199	0.200	0.103	33	65	39	(16)
1	19	14	146	1,684	1,678	1,682	-	-	-	-	25	-	-	-	-	-	-	-	30	1,109	1,220	1,567	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	91	560	443	100	0.379	0.199	0.200	0.103	34	112	88	10
1	19	15	146	1,690	1,687	1,693	-	-	-	-	25	-	-	-	-	-	-	-	26	942	1,036	1,368	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	95	729	632	307	0.379	0.196	0.196	0.097	36	143	124	30
1	19	16	147	1,709	1,713	1,726	-	-	-	-	26	-	-	-	-	-	-	-	20	767	836	1,144	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	101	919	849	554	0.380	0.193	0.194	0.187	38	177	165	103
1	19	17	152	1,767	1,776	1,794	-	-	-	-	32	-	-	-	-	-	-	-	6	266	283	545	-	29	29	29	-	(0)	(1)	4	-	-	-	-	113	1,474	1,466	1,217	0.397	0.402	0.399	0.387	45	593	584	471
1	19	18	164	1,921	1,938	1,965	-	-	-	-	38	-	-	-	-	-	-	-	0	21	21	268	-	29	29	29	-	8	6	13	-	-	-	-	126	1,864	1,884	1,655	0.404	0.404	0.398	0.382	51	753	751	633
1	19	19	167	1,965	1,989	2,021	-	-	-	-	39	-	-	-	-	-	-	-	-	22	22	269	-	29	29	29	-	7	7	11	-	-	-	-	128	1,907	1,931	1,712	0.406	0.406	0.401	0.384	52	774	775	657
1	19	20	164	1,928	1,953	1,986	-	-	-	-	37	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	1	4	10	-	-	-	-	127	1,879	1,902	1,682	0.405	0.405	0.400	0.383	52	761	761	644
1	19	21	159	1,864	1,889	1,920	-	-	-	-	38	-	-	-	-	-	-	-	-	13	13	260	-	29	29	29	-	2	3	12	-	-	-	-	121	1,821	1,845	1,619	0.404	0.403	0.399	0.382	49	734	735	618
1	19	22	149	1,753	1,779	1,809	-	-	-	-	37	-	-	-	-	-	-	-	-	9	9	256	-	29	29	29	-	7	9	3	-	-	-	-	112	1,710	1,732	1,522	0.401	0.401	0.396	0.378	45	685	686	575
1	19	23	135	1,592	1,616	1,644	-	-	-	-	34	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	8	3	10	-	-	-	-	101	1,550	1,578	1,353	0.398	0.396	0.392	0.373	40	613	618	504
1	19	24	138	1,616	1,638	1,664	-	-	-	-	29	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	6	8	5	-	-	-	-	109	1,576	1,596	1,378	0.397	0.393	0.387	0.369	43	619	617	509
1	20	1	112	1,308	1,315	1,328	-	-	-	-	28	-	-	-	-	-	-	-	-	5	5	252	-	29	29	29	-	(1)	2	5	-	-	-	-	84	1,275	1,280	1,042	0.399	0.392	0.386	0.367	34	500	494	382
1	20	2	106	1,231	1,231	1,238	-	-	-	-	27	-	-	-	-	-	-	-	-	1	1	248	-	29	29	29	-	2	(1)	(0)	-	-	-	-	79	1,199	1,202	961	0.399	0.392	0.384	0.366	31	470	462	352
1	20	3	102	1,181	1,176	1,177	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,155	1,139	908	0.399	0.392	0.382	0.366	30	452	436	332
1	20	4	101	1,165	1,155	1,152	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,137	1,129	879	0.398	0.391	0.382	0.366	30	445	432	322
1	20	5	103	1,187	1,173	1,166	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-	79	1,159	1,143	891	0.396	0.388	0.382	0.365	31	450	437	325
1	20	6	112	1,285	1,266	1,255	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	81	1,245	1,238	982	0.396	0.389	0.383	0.366	32	484	474	359
1	20	7	128	1,461	1,441	1,431	-	-	-	-	34	-	-	-	-	-	-	-	0	9	9	256	-	29	29	29	-	14	10	6	-	-	-	-	93	1,410	1,394	1,140	0.395	0.393	0.386	0.370	37	555	538	422
1	20	8	136	1,563	1,545	1,539	-	-	-	-	31	-	-	-	-	-	-	-	18	1,021	1,038	1,300	-	29	29	29	-	(1)	2	(1)	-	-	-	-	87	515	477	212	0.394	0.385	0.384	0.375	34	198	183	79
1	20	9	138	1,584	1,570	1,569	-	-	-	-	26	-	-	-	-	-	-	-	38	1,867	1,942	2,257	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	73	(301)	(397)	(714)	0.377	0.196	0.195	0.195	28	(59)	(77)	(139)
1	20	10	140	1,610	1,596	1,595	-	-	-	-	27	-	-	-	-	-	-	-	53	2,436	2,557	2,912	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	60	(845)	(978)	(1,328)	0.379	0.195	0.195	0.103	23	(165)	(191)	(136)
1	20	11	142	1,630	1,615	1,613	-	-	-	-	24	-	-	-	-	-	-	-	62	2,784	2,937	3,322	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	56	(1,170)	(1,336)	(1,721)	0.380	0.199	0.200	0.103	21	(233)	(267)	(177)
1	20	12	142	1,634	1,620	1,617	-	-	-	-	23	-	-	-	-	-	-	-	65	2,845	3,019	3,422	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	54	(1,227)	(1,413)	(1,817)	0.379	0.199	0.200	0.103	21	(244)	(282)	(187)
1	20	13	141	1,626	1,615	1,615	-	-	-	-	24	-	-	-	-	-	-	-	65	2,852	3,028	3,433	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	52	(1,242)	(1,427)	(1,830)	0.379	0.199	0.200	0.103	20	(247)	(285)	(188)
1	20	14	141	1,624	1,616	1,619	-	-	-	-	25	-	-	-	-	-	-	-	65	2,835	3,006	3,405	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	51	(1,226)	(1,404)	(1,802)	0.379	0.199	0.200	0.103	19	(244)	(280)	(185)
1	20	15	140	1,616	1,611	1,616	-	-	-	-	25	-	-	-	-	-	-	-	59	2,650	2,797	3,177	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	56	(1,052)	(1,205)	(1,579)	0.379	0.196	0.196	0.097	21	(206)	(236)	(154)
1	20	16	139	1,619	1,621	1,631	-	-	-	-	26	-	-	-	-	-	-	-	43	1,981	2,082	2,420	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	71	(384)	(489)	(815)	0.380	0.193	0.194	0.187	27	(74)	(95)	(152)
1	20	17	143	1,670	1,677	1,692	-	-	-	-	32	-	-	-	-	-	-	-	15	795	822	1,094	-	29	29	29	-	(0)	(1)	4	-	-	-	-	96	847	827	565	0.397	0.402	0.399	0.387	38	341	330	219
1	20	18	158	1,845	1,861	1,885	-	-	-	-	38	-	-	-	-	-	-	-	0	30	30	277	-	29	29	29	-	8	6	13	-	-	-	-	120	1,779	1,797	1,567	0.404	0.404	0.398	0.382	49	719	716	599
1	20	19	163	1,915	1,938	1,968	-	-	-	-	39	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	7	7	11	-	-	-	-	124	1,854	1,877	1,656	0.406	0.406	0.401	0.384	50	752	753	636
1	20	20	160	1,881	1,905	1,936	-	-	-	-	37	-	-	-	-	-	-	-	-	26	26	273	-	29	29	29	-	1	4	10	-	-	-	-	123	1,825	1,847	1,625	0.405	0.405	0.400	0.383	50	739	738	622
1	20	21	155	1,826	1,850	1,880	-	-	-	-	38	-	-	-	-	-	-	-	-	28	28	275	-	29	29	29	-	2	3	12	-	-	-	-	118	1,767	1,790	1,564	0.404	0.403	0.399	0.382	48	713	713	597
1	20	22	146	1,721	1,745	1,775	-	-	-	-	37	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	7	9	3	-	-	-	-	110	1,661	1,682	1,472	0.401	0.401	0.396	0.378	44	665	666	556
1	20	23	133	1,570	1,592	1,620	-	-	-	-	34	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	8	3	10	-	-	-	-	99	1,515	1,542	1,316	0.398	0.396	0.392	0.373	39	599	604	490
1	20	24	133	1,566	1,586	1,611	-	-	-	-	29	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	6	8	5	-	-	-	-	105	1,514	1,532	1,313	0.397	0.393	0.387	0.369	42	594	592	485
1	21	1	111	1,296	1,303	1,315	-	-	-	-	28	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	(1)	2	5	-	-	-	-	83	1,247	1,252	1,014	0.399	0.392	0.386	0.367	33	489	483	372
1	21	2	105	1,224	1,225	1,231	-	-	-	-	27	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	2	(1)	(0)	-	-	-	-	78	1,180	1,183	942	0.399	0.392	0.384	0.366	31	462	455	345
1	21	3	102	1,181	1,176	1,177	-	-	-	-	27	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,140	1,125	893	0.399	0.392	0.382	0.366	30	447	430	327
1	21	4	101	1,165	1,155	1,152	-	-	-	-	26	-	-	-	-	-	-	-	-	11	11	258	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,126	1,118	868	0.398	0.391	0.382	0.366	30	440	427	318
1	21	5	104	1,193	1,179	1,172	-	-	-	-	24	-	-	-	-	-	-	-	-	11	11	258	-	29	29	29	-	(0)	1	(1)	-	-	-	-	80	1,154	1,138	886	0.396	0.388	0.382	0.365	32	448	435	323
1	21	6	113	1,298	1,280	1,269	-	-	-	-	31	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	12	(0)	(2)	-	-	-	-	82	1,234	1,227	971	0.396	0.389	0.383	0.366	33	480	470	355
1	21	7	130	1,488	1,469	1,460	-	-	-	-	34	-	-	-	-	-	-	-	0	54	54	301	-	29	29	29	-	14	10	6	-	-	-	-	95	1,392	1,377	1,124	0.395	0.393	0.386	0.370	38	548	531	416
1	21	8	139	1,592	1,574	1,569	-	-	-	-	31	-	-	-	-	-	-	-	20	1,149	1,167	1,430	-	29	29	29	-	(1)	2	(1)	-	-	-	-	88	415	377	112	0.394	0.385	0.384	0.375	35	160	145	42
1	21	9	141	1,620	1,607	1,606	-	-	-	-	26	-	-	-	-	-	-	-	42	2,120	2,200	2,519	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	73	(518)	(618)	(939)	0.377	0.196	0.195	0.195	27	(101)	(120)	(183)
1	21	10	143	1,639	1,625	1,625	-	-	-	-	27	-	-	-	-	-	-	-	57	2,707	2,838	3,202	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	59	(1,088)	(1,230)	(1,588)	0.379	0.195	0.195	0.103	22	(213)	(240)	(163)
1	21	11	143	1,649	1,635	1,633	-	-	-	-	24	-	-	-	-	-	-	-	63	2,918	3,080	3,472	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	56	(1,284)	(1,459)	(1,851)	0.380	0.199	0.200	0.103	21	(255)	(291)	(190)
1	21	12	143	1,650	1,636	1,634	-	-	-	-	23	-	-	-	-	-	-	-	65	2,941	3,119	3,526	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	55	(1,306)	(1,496)	(1,903)	0.379	0.199	0.200	0.103	21	(260)	(299)	(195)
1	21	13	143	1,645	1,635	1,635	-	-	-	-	24	-	-	-	-	-	-	-	66	2,975	3,154	3,561	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	53	(1,346)	(1,533)	(1,938)	0.379	0.199	0.200	0.103	20	(268)	(306)	(199)
1	21	14	143	1,649	1,642	1,645	-	-	-	-	25	-	-	-	-	-	-	-	65	2,942	3,115	3,517	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	53	(1,308)	(1,488)	(1,888)	0.379	0.199	0.200	0.103	20	(261)	(297)	(194)
1	21	15	141	1,635	1,631	1,636	-	-	-	-	25	-	-	-	-	-	-	-	61	2,829	2,983	3,368	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	55	(1,212)	(1,371)	(1,750)	0.379	0.196	0.196	0.097	21	(237)	(268)	(170)
1	21	16	140	1,627	1,629	1,640	-	-	-	-	26	-	-	-	-	-	-	-	47	2,259	2,368	2,712	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	68	(654)	(767)	(1,099)	0.380	0.193	0.194	0.187	26	(126)	(149)	(205)
1	21	17	143	1,665	1,672	1,687	-	-	-	-	32	-	-	-	-	-	-	-	17	968	995	1,267	-	29	29	29	-	(0)	(1)	4	-	-	-	-	94	670	649	388	0.397	0.402	0.399	0.387	37	269	259	150
1	21	18	158	1,841	1,857	1,881	-	-	-	-	38	-	-	-	-	-	-	-	0	71	71	318	-	29	29	29	-	8	6	13	-	-	-	-	120	1,734	1,752	1,522	0.404	0.404	0.398	0.382	48	701	698	581
1	21	19	163	1,906	1,929	1,959	-	-	-	-	39	-	-	-	-	-	-	-	-	69	69	316	-	29	29	29	-	7	7	11	-	-	-	-	123	1,802	1,824	1,604	0.406	0.406	0.401	0.384	50	731	732	616
1	21	20	160	1,874	1,898	1,929	-	-	-	-	37	-	-	-	-	-	-	-	-	81	81	328	-	29	29	29	-	1	4	10	-	-	-	-	123	1,763	1,785	1,563	0.405	0.405	0.400	0.383	50	714	714	598
1	21	21	154	1,811	1,835	1,865	-	-	-	-	38	-	-	-	-	-	-	-	-	81	81	328	-	29	29	29	-	2	3	12	-	-	-	-	117	1,700	1,722	1,496	0.404	0.403	0.399	0.382	47	686	686	571
1	21	22	145	1,707	1,731	1,760	-	-	-	-	37	-	-	-	-	-	-	-	-	75	75	322	-	29	29	29	-	7	9	3	-	-	-	-	108	1,597	1,618	1,407	0.401	0.401	0.396	0.378	43	640	641	532
1	21	23	132	1,555	1,578	1,605	-	-	-	-	34	-	-	-	-	-	-	-	-	66	66	313	-	29	29	29	-	8	3	10	-	-	-	-	98	1,453	1,480	1,254	0.398	0.396	0.392	0.373	39	575	580	467
1	21	24	135	1,582	1,602	1,627	-	-	-	-	29	-	-	-	-	-	-	-	-	61	61	308	-	29	29	29	-	6	8	5	-	-	-	-	106	1,486	1,505	1,287	0.397	0.393	0.387	0.369	42	584	582	475
1	22	1	110	1,289	1,296	1,307	-	-	-	-	28	-	-	-	-	-	-	-	-	61	61	308	-	29	29	29	-	(1)	2	5	-	-	-	-	82	1,200	1,204	966	0.399	0.392	0.386	0.367	33	470	465	354
1	22	2	105	1,218	1,219	1,225	-	-	-	-	27	-	-	-	-	-	-	-	-	65	65	312	-	29	29	29	-	2	(1)	(0)	-	-	-	-	78	1,123	1,126	884	0.399	0.392	0.384	0.366	31	440	433	324
1	22	3	102	1,180	1,175	1,176	-	-	-	-	27	-	-	-	-	-	-	-	-	60	60	307	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,094	1,078	846	0.399	0.392	0.382	0.366	30	428	412	310
1	22	4	101	1,168	1,159	1,156	-	-	-	-	26	-	-	-	-	-	-	-	-	51	51	298	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,089	1,082	832	0.398	0.391	0.382	0.366	30	426	414	304
1	22	5	104	1,198	1,184	1,177	-	-	-	-	24	-	-	-	-	-	-	-	-	47	47	294	-	29	29	29	-	(0)	1	(1)	-	-	-	-	80	1,123	1,108	856	0.396	0.388	0.382	0.365	32	436	423	312
1	22	6	113	1,299	1,280	1,270	-	-	-	-	31	-	-	-	-	-	-	-	-	45	45	292	-	29	29	29	-	12	(0)	(2)	-	-	-	-	82	1,213	1,207	951	0.396	0.389	0.383	0.366	33	472	462	348
1	22	7	129	1,484	1,465	1,456	-	-	-	-	34	-	-	-	-	-	-	-	0	52	52	299	-	29	29	29	-	14	10	6	-	-	-	-	95	1,390	1,374	1,122	0.395	0.393	0.386	0.370	38	547	530	415
1	22	8	138	1,584	1,566	1,561	-	-	-	-	31	-	-	-	-	-	-	-	20	1,176	1,194	1,457	-	29	29	29	-	(1)	2	(1)	-	-	-	-	87	380	342	77	0.394	0.385	0.384	0.375	34	146	131	29
1	22	9	142	1,629	1,616	1,616	-	-	-	-	26	-	-	-	-	-	-	-	42	2,063	2,143	2,462	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	74	(452)	(552)	(872)	0.377	0.196	0.195	0.195	28	(88)	(108)	(170)
1	22	10	144	1,656	1,643	1,643	-	-	-	-	27	-	-	-	-	-	-	-	57	2,640	2,771	3,136	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	60	(1,003)	(1,146)	(1,504)	0.379	0.195	0.195	0.103	23	(196)	(224)	(154)
1	22	11	144	1,651	1,638	1,636	-	-	-	-	24	-	-	-	-	-	-	-	63	2,838	3,001	3,394	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	56	(1,202)	(1,377)	(1,770)	0.380	0.199	0.200	0.103	21	(239)	(275)	(182)
1	22	12	143	1,645	1,631	1,628	-	-	-	-	23	-	-	-	-	-	-	-	66	2,884	3,064	3,472	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	54	(1,255)	(1,446)	(1,855)	0.379	0.199	0.200	0.103	21	(250)	(289)	(190)
1	22	13	142	1,639	1,629	1,630	-	-	-	-	24	-	-	-	-	-	-	-	66	2,890	3,072	3,482	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	52	(1,266)	(1,456)	(1,864)	0.379	0.199	0.200	0.103	20	(252)	(291)	(191)
1	22	14	141	1,625	1,618	1,620	-	-	-	-	25	-	-	-	-	-	-	-	65	2,868	3,044	3,448	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	50	(1,258)	(1,441)	(1,843)	0.379	0.199	0.200	0.103	19	(251)	(287)	(189)
1	22	15	139	1,608	1,603	1,608	-	-	-	-	25	-	-	-	-	-	-	-	60	2,682	2,836	3,220	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	54	(1,092)	(1,251)	(1,631)	0.379	0.196	0.196	0.097	20	(214)	(245)	(159)
1	22	16	138	1,604	1,605	1,616	-	-	-	-	26	-	-	-	-	-	-	-	46	2,111	2,223	2,570	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	66	(530)	(646)	(981)	0.380	0.193	0.194	0.187	25	(102)	(125)	(183)
1	22	17	141	1,637	1,643	1,658	-	-	-	-	32	-	-	-	-	-	-	-	18	929	961	1,236	-	29	29	29	-	(0)	(1)	4	-	-	-	-	90	680	655	389	0.397	0.402	0.399	0.387	36	273	261	151
1	22	18	155	1,814	1,830	1,853	-	-	-	-	38	-	-	-	-	-	-	-	0	25	25	272	-	29	29	29	-	8	6	13	-	-	-	-	117	1,753	1,771	1,540	0.404	0.404	0.398	0.382	47	708	706	588
1	22	19	160	1,873	1,895	1,925	-	-	-	-	39	-	-	-	-	-	-	-	-	29	29	276	-	29	29	29	-	7	7	11	-	-	-	-	121	1,808	1,830	1,609	0.406	0.406	0.401	0.384	49	733	734	617
1	22	20	156	1,836	1,859	1,889	-	-	-	-	37	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	1	4	10	-	-	-	-	119	1,779	1,800	1,577	0.405	0.405	0.400	0.383	48	721	720	604
1	22	21	152	1,783	1,806	1,835	-	-	-	-	38	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	2	3	12	-	-	-	-	114	1,727	1,749	1,522	0.404	0.403	0.399	0.382	46	697	697	581
1	22	22	145	1,701	1,725	1,754	-	-	-	-	37	-	-	-	-	-	-	-	-	23	23	270	-	29	29	29	-	7	9	3	-	-	-	-	108	1,643	1,664	1,453	0.401	0.401	0.396	0.378	43	658	659	549
1	22	23	134	1,578	1,601	1,629	-	-	-	-	34	-	-	-	-	-	-	-	-	22	22	269	-	29	29	29	-	8	3	10	-	-	-	-	100	1,520	1,548	1,321	0.398	0.396	0.392	0.373	40	601	606	492
1	22	24	135	1,589	1,609	1,635	-	-	-	-	29	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	6	8	5	-	-	-	-	107	1,533	1,552	1,333	0.397	0.393	0.387	0.369	42	602	600	492
1	23	1	113	1,317	1,325	1,338	-	-	-	-	28	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	(1)	2	5	-	-	-	-	85	1,269	1,274	1,037	0.399	0.392	0.386	0.367	34	497	492	380
1	23	2	106	1,237	1,238	1,244	-	-	-	-	27	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	2	(1)	(0)	-	-	-	-	79	1,192	1,195	954	0.399	0.392	0.384	0.366	32	467	459	350
1	23	3	103	1,186	1,181	1,183	-	-	-	-	27	-	-	-	-	-	-	-	-	13	13	260	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,147	1,132	900	0.399	0.392	0.382	0.366	30	449	433	329
1	23	4	101	1,158	1,148	1,144	-	-	-	-	26	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	74	1,116	1,108	858	0.398	0.391	0.382	0.366	30	436	424	314
1	23	5	101	1,158	1,142	1,134	-	-	-	-	24	-	-	-	-	-	-	-	-	13	13	260	-	29	29	29	-	(0)	1	(1)	-	-	-	-	77	1,116	1,100	847	0.396	0.388	0.382	0.365	30	434	420	309
1	23	6	105	1,195	1,174	1,161	-	-	-	-	31	-	-	-	-	-	-	-	-	12	12	259	-	29	29	29	-	12	(0)	(2)	-	-	-	-	73	1,143	1,134	876	0.396	0.389	0.383	0.366	29	445	434	320
1	23	7	111	1,269	1,245	1,230	-	-	-	-	34	-	-	-	-	-	-	-	0	25	25	272	-	29	29	29	-	14	10	6	-	-	-	-	77	1,202	1,182	924	0.395	0.393	0.386	0.370	30	473	456	342

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	23	8	117	1,336	1,313	1,302	-	-	-	-	31	-	-	-	-	-	-	-	20	1,157	1,175	1,438	-	29	29	29	-	(1)	2	(1)	-	-	-	-	66	152	108	(164)	0.394	0.385	0.384	0.375	26	59	41	(61)
1	23	9	125	1,436	1,419	1,414	-	-	-	-	26	-	-	-	-	-	-	-	41	2,035	2,115	2,433	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	58	(616)	(720)	(1,045)	0.377	0.196	0.195	0.195	22	(121)	(140)	(204)
1	23	10	131	1,508	1,491	1,488	-	-	-	-	27	-	-	-	-	-	-	-	55	2,557	2,687	3,050	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	49	(1,068)	(1,213)	(1,573)	0.379	0.195	0.195	0.103	19	(209)	(237)	(162)
1	23	11	134	1,543	1,526	1,522	-	-	-	-	24	-	-	-	-	-	-	-	63	2,815	2,976	3,368	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	47	(1,288)	(1,464)	(1,858)	0.380	0.199	0.200	0.103	18	(256)	(292)	(191)
1	23	12	134	1,538	1,522	1,517	-	-	-	-	23	-	-	-	-	-	-	-	66	2,864	3,042	3,448	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	45	(1,341)	(1,533)	(1,942)	0.379	0.199	0.200	0.103	17	(267)	(306)	(199)
1	23	13	131	1,511	1,498	1,495	-	-	-	-	24	-	-	-	-	-	-	-	66	2,870	3,049	3,457	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	42	(1,374)	(1,564)	(1,973)	0.379	0.199	0.200	0.103	16	(274)	(312)	(203)
1	23	14	128	1,475	1,464	1,462	-	-	-	-	25	-	-	-	-	-	-	-	65	2,849	3,021	3,422	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	38	(1,389)	(1,572)	(1,975)	0.379	0.199	0.200	0.103	15	(277)	(314)	(203)
1	23	15	126	1,449	1,441	1,441	-	-	-	-	25	-	-	-	-	-	-	-	59	2,652	2,804	3,188	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	41	(1,221)	(1,382)	(1,765)	0.379	0.196	0.196	0.097	16	(239)	(271)	(172)
1	23	16	125	1,451	1,449	1,455	-	-	-	-	26	-	-	-	-	-	-	-	44	2,019	2,129	2,475	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	55	(591)	(708)	(1,047)	0.380	0.193	0.194	0.187	21	(114)	(137)	(195)
1	23	17	130	1,506	1,509	1,520	-	-	-	-	32	-	-	-	-	-	-	-	18	943	971	1,243	-	29	29	29	-	(0)	(1)	4	-	-	-	-	79	535	510	244	0.397	0.402	0.399	0.387	32	215	203	94
1	23	18	145	1,688	1,700	1,720	-	-	-	-	38	-	-	-	-	-	-	-	0	18	19	266	-	29	29	29	-	8	6	13	-	-	-	-	107	1,633	1,647	1,413	0.404	0.404	0.398	0.382	43	660	656	540
1	23	19	151	1,774	1,794	1,821	-	-	-	-	39	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	7	7	11	-	-	-	-	112	1,717	1,737	1,513	0.406	0.406	0.401	0.384	46	697	697	581
1	23	20	149	1,752	1,774	1,802	-	-	-	-	37	-	-	-	-	-	-	-	-	22	22	269	-	29	29	29	-	1	4	10	-	-	-	-	112	1,700	1,719	1,494	0.405	0.405	0.400	0.383	46	689	687	572
1	23	21	146	1,711	1,732	1,760	-	-	-	-	38	-	-	-	-	-	-	-	-	26	26	273	-	29	29	29	-	2	3	12	-	-	-	-	108	1,655	1,675	1,446	0.404	0.403	0.399	0.382	44	667	668	552
1	23	22	140	1,648	1,671	1,699	-	-	-	-	37	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	7	9	3	-	-	-	-	104	1,586	1,606	1,394	0.401	0.401	0.396	0.378	42	636	636	527
1	23	23	132	1,551	1,573	1,600	-	-	-	-	34	-	-	-	-	-	-	-	-	23	23	270	-	29	29	29	-	8	3	10	-	-	-	-	98	1,491	1,518	1,291	0.398	0.396	0.392	0.373	39	590	594	481
1	23	24	128	1,504	1,523	1,546	-	-	-	-	29	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	6	8	5	-	-	-	-	99	1,451	1,468	1,247	0.397	0.393	0.387	0.369	39	570	567	460
1	24	1	113	1,325	1,332	1,345	-	-	-	-	28	-	-	-	-	-	-	-	-	29	29	276	-	29	29	29	-	(1)	2	5	-	-	-	-	85	1,268	1,273	1,036	0.399	0.392	0.386	0.367	34	497	491	380
1	24	2	107	1,248	1,250	1,256	-	-	-	-	27	-	-	-	-	-	-	-	-	37	37	284	-	29	29	29	-	2	(1)	(0)	-	-	-	-	80	1,181	1,185	945	0.399	0.392	0.384	0.366	32	463	455	346
1	24	3	104	1,198	1,194	1,195	-	-	-	-	27	-	-	-	-	-	-	-	-	32	32	279	-	29	29	29	-	(2)	8	(6)	-	-	-	-	76	1,139	1,124	893	0.399	0.392	0.382	0.366	30	446	430	327
1	24	4	102	1,172	1,163	1,159	-	-	-	-	26	-	-	-	-	-	-	-	-	26	26	273	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	76	1,118	1,111	861	0.398	0.391	0.382	0.366	30	437	425	315
1	24	5	102	1,167	1,152	1,144	-	-	-	-	24	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	(0)	1	(1)	-	-	-	-	77	1,118	1,102	849	0.396	0.388	0.382	0.365	31	434	421	310
1	24	6	104	1,189	1,168	1,154	-	-	-	-	31	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	12	(0)	(2)	-	-	-	-	73	1,131	1,122	864	0.396	0.389	0.383	0.366	29	440	429	316
1	24	7	110	1,249	1,224	1,209	-	-	-	-	34	-	-	-	-	-	-	-	0	22	22	269	-	29	29	29	-	14	10	6	-	-	-	-	75	1,184	1,163	905	0.395	0.393	0.386	0.370	30	466	449	335
1	24	8	113	1,291	1,267	1,254	-	-	-	-	31	-	-	-	-	-	-	-	20	1,134	1,152	1,416	-	29	29	29	-	(1)	2	(1)	-	-	-	-	62	129	84	(189)	0.394	0.385	0.384	0.375	24	50	32	(71)
1	24	9	118	1,344	1,325	1,318	-	-	-	-	26	-	-	-	-	-	-	-	41	1,994	2,073	2,392	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	51	(667)	(773)	(1,100)	0.377	0.196	0.195	0.195	19	(131)	(151)	(215)
1	24	10	120	1,374	1,354	1,347	-	-	-	-	27	-	-	-	-	-	-	-	55	2,532	2,661	3,024	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	38	(1,177)	(1,325)	(1,688)	0.379	0.195	0.195	0.103	14	(230)	(259)	(173)
1	24	11	121	1,389	1,369	1,360	-	-	-	-	24	-	-	-	-	-	-	-	63	2,804	2,965	3,356	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	34	(1,430)	(1,610)	(2,008)	0.380	0.199	0.200	0.103	13	(284)	(322)	(206)
1	24	12	121	1,389	1,369	1,360	-	-	-	-	23	-	-	-	-	-	-	-	66	2,862	3,040	3,447	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	33	(1,488)	(1,684)	(2,099)	0.379	0.199	0.200	0.103	12	(297)	(336)	(215)
1	24	13	121	1,388	1,372	1,366	-	-	-	-	24	-	-	-	-	-	-	-	66	2,870	3,051	3,460	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	31	(1,497)	(1,692)	(2,105)	0.379	0.199	0.200	0.103	12	(298)	(338)	(216)
1	24	14	120	1,379	1,366	1,362	-	-	-	-	25	-	-	-	-	-	-	-	65	2,844	3,016	3,418	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	30	(1,480)	(1,665)	(2,071)	0.379	0.199	0.200	0.103	11	(295)	(332)	(213)
1	24	15	119	1,373	1,362	1,361	-	-	-	-	25	-	-	-	-	-	-	-	58	2,595	2,747	3,129	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	35	(1,241)	(1,403)	(1,786)	0.379	0.196	0.196	0.097	13	(243)	(275)	(174)
1	24	16	120	1,386	1,383	1,388	-	-	-	-	26	-	-	-	-	-	-	-	43	1,914	2,022	2,366	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	51	(550)	(667)	(1,005)	0.380	0.193	0.194	0.187	19	(106)	(129)	(188)
1	24	17	125	1,457	1,458	1,468	-	-	-	-	32	-	-	-	-	-	-	-	17	896	925	1,198	-	29	29	29	-	(0)	(1)	4	-	-	-	-	76	532	506	238	0.397	0.402	0.399	0.387	30	214	202	92
1	24	18	144	1,678	1,690	1,710	-	-	-	-	38	-	-	-	-	-	-	-	0	2	2	249	-	29	29	29	-	8	6	13	-	-	-	-	106	1,640	1,654	1,420	0.404	0.404	0.398	0.382	43	663	659	542
1	24	19	152	1,787	1,807	1,834	-	-	-	-	39	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	7	7	11	-	-	-	-	113	1,751	1,771	1,548	0.406	0.406	0.401	0.384	46	710	711	594
1	24	20	151	1,775	1,797	1,825	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	1	4	10	-	-	-	-	114	1,745	1,765	1,540	0.405	0.405	0.400	0.383	46	707	706	590
1	24	21	148	1,733	1,754	1,782	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	3	12	-	-	-	-	110	1,702	1,723	1,494	0.404	0.403	0.399	0.382	44	687	687	570
1	24	22	140	1,641	1,664	1,691	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	9	3	-	-	-	-	103	1,606	1,626	1,413	0.401	0.401	0.396	0.378	41	644	644	534
1	24	23	128	1,509	1,530	1,556	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	8	3	10	-	-	-	-	94	1,473	1,499	1,271	0.398	0.396	0.392	0.373	37	583	587	474
1	24	24	120	1,410	1,426	1,447	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	6	8	5	-	-	-	-	91	1,375	1,389	1,167	0.397	0.393	0.387	0.369	36	540	537	431
1	25	1	108	1,261	1,268	1,279	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(1)	2	5	-	-	-	-	80	1,233	1,237	998	0.399	0.392	0.386	0.367	32	483	477	366
1	25	2	103	1,197	1,197	1,203	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	76	1,167	1,169	927	0.399	0.392	0.384	0.366	30	457	449	340
1	25	3	101	1,165	1,159	1,160	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	73	1,138	1,122	890	0.399	0.392	0.382	0.366	29	446	429	326
1	25	4	101	1,159	1,149	1,146	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,131	1,123	873	0.398	0.391	0.382	0.366	30	442	429	319
1	25	5	104	1,195	1,180	1,173	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-	80	1,167	1,151	899	0.396	0.388	0.382	0.365	32	453	440	328
1	25	6	118	1,355	1,337	1,329	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	87	1,315	1,309	1,055	0.396	0.389	0.383	0.366	34	511	501	386
1	25	7	136	1,558	1,541	1,533	-	-	-	-	34	-	-	-	-	-	-	-	0	16	16	263	-	29	29	29	-	14	10	6	-	-	-	-	101	1,500	1,486	1,236	0.395	0.393	0.386	0.370	40	590	573	458
1	25	8	144	1,659	1,644	1,640	-	-	-	-	31	-	-	-	-	-	-	-	21	1,165	1,184	1,447	-	29	29	29	-	(1)	2	(1)	-	-	-	-	93	466	429	166	0.394	0.385	0.384	0.375	36	180	165	62
1	25	9	145	1,673	1,661	1,662	-	-	-	-	26	-	-	-	-	-	-	-	41	2,025	2,104	2,422	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	78	(370)	(467)	(785)	0.377	0.196	0.195	0.195	29	(72)	(91)	(153)
1	25	10	147	1,688	1,676	1,677	-	-	-	-	27	-	-	-	-	-	-	-	55	2,536	2,663	3,023	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	65	(867)	(1,004)	(1,357)	0.379	0.195	0.195	0.103	25	(170)	(196)	(139)
1	25	11	148	1,699	1,687	1,686	-	-	-	-	24	-	-	-	-	-	-	-	63	2,805	2,965	3,356	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	60	(1,121)	(1,293)	(1,682)	0.380	0.199	0.200	0.103	23	(223)	(258)	(173)
1	25	12	147	1,694	1,681	1,680	-	-	-	-	23	-	-	-	-	-	-	-	66	2,854	3,031	3,437	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	59	(1,176)	(1,363)	(1,768)	0.379	0.199	0.200	0.103	22	(234)	(272)	(182)
1	25	13	146	1,686	1,677	1,679	-	-	-	-	24	-	-	-	-	-	-	-	66	2,867	3,048	3,457	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,197)	(1,385)	(1,791)	0.379	0.199	0.200	0.103	21	(238)	(276)	(184)
1	25	14	145	1,676	1,669	1,673	-	-	-	-	25	-	-	-	-	-	-	-	65	2,845	3,019	3,422	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	55	(1,184)	(1,364)	(1,764)	0.379	0.199	0.200	0.103	21	(236)	(272)	(181)
1	25	15	144	1,667	1,663	1,670	-	-	-	-	25	-	-	-	-	-	-	-	58	2,580	2,733	3,117	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	60	(932)	(1,088)	(1,466)	0.379	0.196	0.196	0.097	23	(182)	(213)	(143)
1	25	16	143	1,665	1,668	1,680	-	-	-	-	26	-	-	-	-	-	-	-	43	1,891	2,002	2,348	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	75	(249)	(362)	(695)	0.380	0.193	0.194	0.187	28	(48)	(70)	(130)
1	25	17	146	1,698	1,706	1,722	-	-	-	-	32	-	-	-	-	-	-	-	18	920	951	1,226	-	29	29	29	-	(0)	(1)	4	-	-	-	-	95	750	727	464	0.397	0.402	0.399	0.387	38	302	290	179
1	25	18	161	1,878	1,894	1,920	-	-	-	-	38	-	-	-	-	-	-	-	0	1	1	248	-	29	29	29	-	8	6	13	-	-	-	-	123	1,840	1,859	1,630	0.404	0.404	0.398	0.382	50	744	741	623
1	25	19	169	1,979	2,004	2,036	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	7	11	-	-	-	-	130	1,944	1,968	1,750	0.406	0.406	0.401	0.384	53	789	790	671
1	25	20	166	1,954	1,980	2,013	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	1	4	10	-	-	-	-	129	1,924	1,948	1,728	0.405	0.405	0.400	0.383	52	779	779	662
1	25	21	161	1,895	1,921	1,953	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	3	12	-	-	-	-	124	1,865	1,889	1,665	0.404	0.403	0.399	0.382	50	752	753	635
1	25	22	152	1,788	1,814	1,846	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	7	9	3	-	-	-	-	115	1,753	1,776	1,567	0.401	0.401	0.396	0.378	46	702	703	592
1	25	23	139	1,632	1,656	1,685	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	8	3	10	-	-	-	-	104	1,596	1,625	1,400	0.398	0.396	0.392	0.373	42	631	636	522
1	25	24	139	1,633	1,655	1,681	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	6	8	5	-	-	-	-	110	1,598	1,618	1,401	0.397	0.393	0.387	0.369	44	628	626	517
1	26	1	116	1,359	1,368	1,382	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(1)	2	5	-	-	-	-	88	1,331	1,337	1,101	0.399	0.392	0.386	0.367	35	522	516	404
1	26	2	111	1,293	1,295	1,303	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,262	1,267	1,027	0.399	0.392	0.384	0.366	34	495	487	377
1	26	3	108	1,251	1,247	1,250	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(2)	8	(6)	-	-	-	-	81	1,224	1,210	981	0.399	0.392	0.382	0.366	32	479	463	359
1	26	4	107	1,238	1,230	1,228	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	81	1,210	1,204	956	0.398	0.391	0.382	0.366	32	473	460	350
1	26	5	110	1,269	1,256	1,251	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	(0)	1	(1)	-	-	-	-	86	1,241	1,226	977	0.396	0.388	0.382	0.365	34	482	469	356
1	26	6	120	1,379	1,362	1,354	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	89	1,339	1,334	1,080	0.396	0.389	0.383	0.366	35	521	510	395
1	26	7	137	1,571	1,554	1,547	-	-	-	-	34	-	-	-	-	-	-	-	0	17	17	264	-	29	29	29	-	14	10	6	-	-	-	-	102	1,512	1,498	1,248	0.395	0.393	0.386	0.370	40	595	578	462
1	26	8	144	1,651	1,635	1,631	-	-	-	-	31	-	-	-	-	-	-	-	20	1,158	1,177	1,440	-	29	29	29	-	(1)	2	(1)	-	-	-	-	92	465	428	164	0.394	0.385	0.384	0.375	36	179	164	62
1	26	9	143	1,639	1,627	1,627	-	-	-	-	26	-	-	-	-	-	-	-	40	1,984	2,058	2,372	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	76	(362)	(456)	(771)	0.377	0.196	0.195	0.195	29	(71)	(89)	(151)
1	26	10	144	1,656	1,643	1,643	-	-	-	-	27	-	-	-	-	-	-	-	54	2,488	2,612	2,971	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	63	(851)	(987)	(1,339)	0.379	0.195	0.195	0.103	24	(166)	(193)	(137)
1	26	11	145	1,666	1,652	1,651	-	-	-	-	24	-	-	-	-	-	-	-	63	2,799	2,957	3,346	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	58	(1,149)	(1,319)	(1,707)	0.380	0.199	0.200	0.103	22	(228)	(263)	(175)
1	26	12	145	1,669	1,655	1,654	-	-	-	-	23	-	-	-	-	-	-	-	66	2,855	3,032	3,438	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,202)	(1,390)	(1,796)	0.379	0.199	0.200	0.103	21	(240)	(278)	(184)
1	26	13	145	1,676	1,667	1,669	-	-	-	-	24	-	-	-	-	-	-	-	66	2,861	3,041	3,449	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	56	(1,201)	(1,387)	(1,792)	0.379	0.199	0.200	0.103	21	(239)	(277)	(184)
1	26	14	145	1,679	1,673	1,677	-	-	-	-	25	-	-	-	-	-	-	-	64	2,830	2,998	3,396	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	56	(1,166)	(1,340)	(1,734)	0.379	0.199	0.200	0.103	21	(232)	(267)	(178)
1	26	15	144	1,672	1,668	1,675	-	-	-	-	25	-	-	-	-	-	-	-	58	2,623	2,765	3,139	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	61	(970)	(1,116)	(1,483)	0.379	0.196	0.196	0.097	23	(190)	(218)	(144)
1	26	16	144	1,677	1,680	1,692	-	-	-	-	26	-	-	-	-	-	-	-	44	2,080	2,177	2,511	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	75	(426)	(525)	(846)	0.380	0.193	0.194	0.187	28	(82)	(102)	(158)
1	26	17	146	1,705	1,713	1,729	-	-	-	-	32	-	-	-	-	-	-	-	21	1,111	1,142	1,417	-	29	29	29	-	(0)	(1)	4	-	-	-	-	93	566	543	280	0.397	0.402	0.399	0.387	37	227	216	108
1	26	18	160	1,875	1,892	1,917	-	-	-	-	38	-	-	-	-	-	-	-	0	27	27	274	-	29	29	29	-	8	6	13	-	-	-	-	123	1,812	1,830	1,601	0.404	0.404	0.398	0.382	50	732	729	612
1	26	19	168	1,966	1,990	2,022	-	-	-	-	39	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	7	7	11	-	-	-	-	128	1,910	1,934	1,715	0.406	0.406	0.401	0.384	52	775	776	658
1	26	20	165	1,941	1,967	2,000	-	-	-	-	37	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	1	4	10	-	-	-	-	128	1,893	1,916	1,696	0.405	0.405	0.400	0.383	52	767	766	649
1	26	21	161	1,887	1,912	1,944	-	-	-	-	38	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	2	3	12	-	-	-	-	123	1,837	1,861	1,637	0.404	0.403	0.399	0.382	50	741	742	625
1	26	22	151	1,781	1,807	1,838	-	-	-	-	37	-	-	-	-	-	-	-	-	13	13	260	-	29	29	29	-	7	9	3	-	-	-	-	115	1,733	1,756	1,547	0.401	0.401	0.396	0.378	46	694	695	585
1	26	23	138	1,626	1,650	1,679	-	-	-	-	34	-	-	-	-	-	-	-	-	13	13	260	-	29	29	29	-	8	3	10	-	-	-	-	104	1,577	1,606	1,381	0.398	0.396	0.392	0.373	41	624	629	515
1	26	24	138	1,622	1,644	1,670	-	-	-	-	29	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	6	8	5	-	-	-	-	109	1,574	1,593	1,376	0.397	0.393	0.387	0.369	43	618	616	508
1	27	1	116	1,356	1,364	1,378	-	-	-	-	28	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	(1)	2	5	-	-	-	-	88	1,314	1,320	1,083	0.399	0.392	0.386	0.367	35	515	509	397
1	27	2	111	1,288	1,290	1,298	-	-	-	-	27	-	-	-	-	-	-	-	-	11	11	258	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,246	1,251	1,011	0.399	0.392	0.384	0.366	33	488	481	371
1	27	3	108	1,248	1,245	1,248	-	-	-	-	27	-	-	-	-	-	-	-	-	8	8	255	-	29	29	29	-	(2)	8	(6)	-	-	-	-	80	1,214	1,200	970	0.399	0.392	0.382	0.366	32	475	459	355
1	27	4	107	1,234	1,226	1,224	-	-	-	-	26	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	81	1,200	1,195	946	0.398	0.391	0.382	0.366	32	469	457	346
1	27	5	110	1,264	1,251	1,246	-	-	-	-	24	-	-	-	-	-	-	-	-	5	5	252	-	29	29	29	-	(0)	1	(1)	-	-	-	-	86	1,230	1,216	966	0.396	0.388	0.382	0.365	34	478	464	353
1	27	6	120	1,373	1,355	1,347	-	-	-	-	31	-	-	-	-	-	-	-	-	5	5	252	-	29	29	29	-	12	(0)	(2)	-	-	-	-	88	1,327	1,322	1,069	0.396	0.389	0.383	0.366	35	516	506	391
1	27	7	136	1,561	1,544	1,536	-	-	-	-	34	-	-	-	-	-	-	-	0	11	11	258	-	29	29	29	-	14	10	6	-	-	-	-	102	1,508	1,495	1,244	0.395	0.393	0.386	0.370	40	593	577	461
1	27	8	145	1,662	1,647	1,643	-	-	-	-	31	-	-	-	-	-	-	-	10	576	585	840	-	29	29	29	-	(1)	2	(1)	-	-	-	-	103	1,059	1,031	776	0.394	0.385	0.384	0.375	41	408	396	291
1	27	9	146	1,683	1,672	1,673	-	-	-	-	26	-	-	-	-	-	-	-	27	1,323	1,372	1,663	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	93	342	275	(16)	0.377	0.196	0.195	0.195	35	67	54	(3)
1	27	10	149	1,718	1,706	1,708	-	-	-	-	27	-	-	-	-	-	-	-	42	2,000	2,086	2,410	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	80	(302)	(398)	(713)	0.379	0.195	0.195	0.103	30	(59)	(78)	(73)
1	27	11	150	1,730	1,718	1,718	-	-	-	-	24	-	-	-	-	-	-	-	51	2,444	2,547	2,885	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	75	(730)	(843)	(1,179)	0.380	0.199	0.200	0.103	29	(145)	(168)	(121)
1	27	12	150	1,727	1,715	1,714	-	-	-	-	23	-	-	-	-	-	-	-	55	2,663	2,776	3,123	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	72	(952)	(1,074)	(1,421)	0.379	0.199	0.200	0.103	27	(190)	(214)	(146)
1	27	13	148	1,713	1,705	1,707	-	-	-	-	24	-	-	-	-	-	-	-	56	2,680	2,798	3,151	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	69	(982)	(1,107)	(1,456)	0.379	0.199	0.200	0.103	26	(196)	(221)	(149)
1	27	14	147	1,699	1,693	1,698	-	-	-	-	25	-	-	-	-	-	-	-	54	2,644	2,750	3,092	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	68	(960)	(1,072)	(1,410)	0.379	0.199	0.200	0.103	26	(191)	(214)	(145)
1	27	15	146	1,686	1,683	1,689	-	-	-	-	25	-	-	-	-	-	-	-	51	2,513	2,610	2,945	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	69	(845)	(946)	(1,274)	0.379	0.196	0.196	0.097	26	(165)	(185)	(124)
1	27	16	145	1,690	1,693	1,706	-	-	-	-	26	-	-	-	-	-	-	-	40	2,011	2,082	2,392	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	80	(344)	(417)	(714)	0.380	0.193	0.194	0.187	30	(66)	(81)	(133)
1	27	17	148	1,720	1,728	1,745	-	-	-	-	32	-	-	-	-	-	-	-	18	996	1,020	1,289	-	29	29	29	-	(0)	(1)	4	-	-	-	-	97	696	680	424	0.397	0.402	0.399	0.387	39	280	271	164
1	27	18	161	1,883	1,900	1,925	-	-	-	-	38	-	-	-	-	-	-	-	0	25	25	272	-	29	29	29	-	8	6	13	-	-	-	-	123	1,822	1,841	1,612	0.404	0.404	0.398	0.382	50	736	734	616

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
1	27	19	168	1,968	1,993	2,025	-	-	-	-	39	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	7	7	11	-	-	-	-	129	1,919	1,943	1,724	0.406	0.406	0.401	0.384	52	778	780	662
1	27	20	165	1,941	1,966	1,999	-	-	-	-	37	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	1	4	10	-	-	-	-	128	1,905	1,928	1,708	0.405	0.405	0.400	0.383	52	771	771	654
1	27	21	162	1,902	1,928	1,960	-	-	-	-	38	-	-	-	-	-	-	-	-	7	7	254	-	29	29	29	-	2	3	12	-	-	-	-	124	1,865	1,890	1,665	0.404	0.403	0.399	0.382	50	752	753	636
1	27	22	153	1,798	1,824	1,855	-	-	-	-	37	-	-	-	-	-	-	-	-	9	9	256	-	29	29	29	-	7	9	3	-	-	-	-	116	1,753	1,777	1,568	0.401	0.401	0.396	0.378	47	703	704	593
1	27	23	139	1,634	1,658	1,687	-	-	-	-	34	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	8	3	10	-	-	-	-	105	1,592	1,621	1,397	0.398	0.396	0.392	0.373	42	630	635	520
1	27	24	141	1,659	1,681	1,709	-	-	-	-	29	-	-	-	-	-	-	-	-	2	2	249	-	29	29	29	-	6	8	5	-	-	-	-	112	1,622	1,643	1,427	0.397	0.393	0.387	0.369	45	637	635	526
1	28	1	117	1,364	1,373	1,386	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	(1)	2	5	-	-	-	-	89	1,336	1,342	1,106	0.399	0.392	0.386	0.367	35	523	518	406
1	28	2	111	1,295	1,297	1,305	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	2	(1)	(0)	-	-	-	-	84	1,264	1,269	1,030	0.399	0.392	0.384	0.366	34	495	488	377
1	28	3	107	1,239	1,235	1,238	-	-	-	-	27	-	-	-	-	-	-	-	-	1	1	248	-	29	29	29	-	(2)	8	(6)	-	-	-	-	80	1,212	1,197	967	0.399	0.392	0.382	0.366	32	474	458	354
1	28	4	106	1,221	1,213	1,211	-	-	-	-	26	-	-	-	-	-	-	-	-	4	4	251	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	80	1,189	1,183	934	0.398	0.391	0.382	0.366	32	465	452	342
1	28	5	109	1,254	1,241	1,236	-	-	-	-	24	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	(0)	1	(1)	-	-	-	-	85	1,220	1,205	955	0.396	0.388	0.382	0.365	34	474	460	349
1	28	6	119	1,363	1,346	1,337	-	-	-	-	31	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	12	(0)	(2)	-	-	-	-	88	1,317	1,311	1,057	0.396	0.389	0.383	0.366	35	512	502	386
1	28	7	136	1,561	1,544	1,536	-	-	-	-	34	-	-	-	-	-	-	-	0	22	22	269	-	29	29	29	-	14	10	6	-	-	-	-	101	1,497	1,483	1,232	0.395	0.393	0.386	0.370	40	589	572	456
1	28	8	144	1,654	1,638	1,634	-	-	-	-	31	-	-	-	-	-	-	-	19	1,088	1,101	1,359	-	29	29	29	-	(1)	2	(1)	-	-	-	-	94	538	507	248	0.394	0.385	0.384	0.375	37	207	195	93
1	28	9	145	1,668	1,655	1,656	-	-	-	-	26	-	-	-	-	-	-	-	34	1,713	1,768	2,066	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	85	(63)	(138)	(435)	0.377	0.196	0.195	0.195	32	(12)	(27)	(85)
1	28	10	146	1,682	1,669	1,670	-	-	-	-	27	-	-	-	-	-	-	-	47	2,256	2,351	2,683	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	72	(593)	(699)	(1,025)	0.379	0.195	0.195	0.103	27	(116)	(137)	(105)
1	28	11	147	1,688	1,675	1,674	-	-	-	-	24	-	-	-	-	-	-	-	48	2,246	2,351	2,693	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	75	(573)	(691)	(1,031)	0.380	0.199	0.200	0.103	28	(114)	(138)	(106)
1	28	12	147	1,691	1,678	1,677	-	-	-	-	23	-	-	-	-	-	-	-	52	2,483	2,597	2,946	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	72	(807)	(932)	(1,281)	0.379	0.199	0.200	0.103	27	(161)	(186)	(132)
1	28	13	146	1,685	1,676	1,678	-	-	-	-	24	-	-	-	-	-	-	-	38	1,632	1,736	2,077	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	85	38	(73)	(411)	0.379	0.199	0.200	0.103	32	8	(15)	(42)
1	28	14	146	1,687	1,681	1,685	-	-	-	-	25	-	-	-	-	-	-	-	30	1,212	1,312	1,648	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	91	460	354	21	0.379	0.199	0.200	0.103	34	92	71	2
1	28	15	145	1,681	1,678	1,684	-	-	-	-	25	-	-	-	-	-	-	-	26	1,043	1,125	1,445	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	94	619	534	221	0.379	0.196	0.196	0.097	36	121	105	22
1	28	16	145	1,679	1,682	1,694	-	-	-	-	26	-	-	-	-	-	-	-	18	732	791	1,091	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	101	924	863	576	0.380	0.193	0.194	0.187	38	178	167	107
1	28	17	146	1,700	1,708	1,724	-	-	-	-	32	-	-	-	-	-	-	-	7	348	366	628	-	29	29	29	-	(0)	(1)	4	-	-	-	-	107	1,324	1,314	1,063	0.397	0.402	0.399	0.387	42	532	524	411
1	28	18	158	1,851	1,867	1,891	-	-	-	-	38	-	-	-	-	-	-	-	0	36	37	284	-	29	29	29	-	8	6	13	-	-	-	-	121	1,778	1,796	1,566	0.404	0.404	0.398	0.382	49	719	716	598
1	28	19	166	1,953	1,977	2,008	-	-	-	-	39	-	-	-	-	-	-	-	-	31	31	278	-	29	29	29	-	7	7	11	-	-	-	-	127	1,886	1,910	1,691	0.406	0.406	0.401	0.384	52	765	767	649
1	28	20	162	1,898	1,922	1,954	-	-	-	-	37	-	-	-	-	-	-	-	-	25	25	272	-	29	29	29	-	1	4	10	-	-	-	-	125	1,843	1,865	1,644	0.405	0.405	0.400	0.383	50	746	746	629
1	28	21	155	1,819	1,842	1,872	-	-	-	-	38	-	-	-	-	-	-	-	-	22	22	269	-	29	29	29	-	2	3	12	-	-	-	-	117	1,766	1,789	1,562	0.404	0.403	0.399	0.382	47	712	713	596
1	28	22	146	1,715	1,739	1,769	-	-	-	-	37	-	-	-	-	-	-	-	-	20	20	267	-	29	29	29	-	7	9	3	-	-	-	-	109	1,660	1,682	1,471	0.401	0.401	0.396	0.378	44	665	666	556
1	28	23	132	1,557	1,579	1,606	-	-	-	-	34	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	8	3	10	-	-	-	-	98	1,503	1,530	1,303	0.398	0.396	0.392	0.373	39	595	599	486
1	28	24	139	1,629	1,651	1,677	-	-	-	-	29	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	6	8	5	-	-	-	-	110	1,577	1,596	1,379	0.397	0.393	0.387	0.369	44	619	617	509
1	29	1	111	1,294	1,302	1,314	-	-	-	-	28	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	(1)	2	5	-	-	-	-	83	1,249	1,254	1,015	0.399	0.392	0.386	0.367	33	490	484	372
1	29	2	105	1,224	1,225	1,231	-	-	-	-	27	-	-	-	-	-	-	-	-	16	16	263	-	29	29	29	-	2	(1)	(0)	-	-	-	-	78	1,177	1,181	939	0.399	0.392	0.384	0.366	31	461	454	344
1	29	3	102	1,178	1,173	1,173	-	-	-	-	27	-	-	-	-	-	-	-	-	17	17	264	-	29	29	29	-	(2)	8	(6)	-	-	-	-	75	1,134	1,118	887	0.399	0.392	0.382	0.366	30	444	428	324
1	29	4	101	1,162	1,153	1,149	-	-	-	-	26	-	-	-	-	-	-	-	-	16	16	263	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	75	1,118	1,111	861	0.398	0.391	0.382	0.366	30	437	425	315
1	29	5	104	1,191	1,176	1,169	-	-	-	-	24	-	-	-	-	-	-	-	-	14	14	261	-	29	29	29	-	(0)	1	(1)	-	-	-	-	79	1,149	1,133	881	0.396	0.388	0.382	0.365	31	446	433	321
1	29	6	113	1,290	1,271	1,261	-	-	-	-	31	-	-	-	-	-	-	-	-	15	15	262	-	29	29	29	-	12	(0)	(2)	-	-	-	-	82	1,235	1,228	972	0.396	0.389	0.383	0.366	32	480	470	355
1	29	7	128	1,470	1,450	1,440	-	-	-	-	34	-	-	-	-	-	-	-	0	32	32	279	-	29	29	29	-	14	10	6	-	-	-	-	94	1,396	1,380	1,127	0.395	0.393	0.386	0.370	37	549	532	417
1	29	8	136	1,564	1,547	1,541	-	-	-	-	31	-	-	-	-	-	-	-	17	987	1,001	1,261	-	29	29	29	-	(1)	2	(1)	-	-	-	-	88	550	515	253	0.394	0.385	0.384	0.375	35	212	198	95
1	29	9	138	1,581	1,567	1,566	-	-	-	-	26	-	-	-	-	-	-	-	33	1,696	1,755	2,054	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	78	(133)	(213)	(515)	0.377	0.196	0.195	0.195	29	(26)	(41)	(100)
1	29	10	140	1,604	1,590	1,589	-	-	-	-	27	-	-	-	-	-	-	-	48	2,302	2,404	2,743	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	64	(717)	(831)	(1,165)	0.379	0.195	0.195	0.103	24	(140)	(162)	(120)
1	29	11	141	1,622	1,607	1,604	-	-	-	-	24	-	-	-	-	-	-	-	57	2,688	2,820	3,185	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	59	(1,081)	(1,227)	(1,593)	0.380	0.199	0.200	0.103	22	(215)	(245)	(164)
1	29	12	141	1,627	1,612	1,610	-	-	-	-	23	-	-	-	-	-	-	-	61	2,786	2,933	3,312	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	58	(1,175)	(1,334)	(1,714)	0.379	0.199	0.200	0.103	22	(234)	(266)	(176)
1	29	13	141	1,627	1,617	1,617	-	-	-	-	24	-	-	-	-	-	-	-	59	2,764	2,902	3,274	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	58	(1,152)	(1,299)	(1,668)	0.379	0.199	0.200	0.103	22	(230)	(259)	(171)
1	29	14	141	1,631	1,624	1,627	-	-	-	-	25	-	-	-	-	-	-	-	57	2,654	2,785	3,149	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	59	(1,038)	(1,176)	(1,538)	0.379	0.199	0.200	0.103	23	(207)	(235)	(158)
1	29	15	140	1,618	1,613	1,618	-	-	-	-	25	-	-	-	-	-	-	-	47	2,150	2,263	2,611	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	68	(551)	(668)	(1,011)	0.379	0.196	0.196	0.097	26	(108)	(131)	(98)
1	29	16	139	1,611	1,613	1,623	-	-	-	-	26	-	-	-	-	-	-	-	30	1,368	1,444	1,760	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	83	220	140	(164)	0.380	0.193	0.194	0.187	31	42	27	(31)
1	29	17	140	1,629	1,635	1,649	-	-	-	-	32	-	-	-	-	-	-	-	10	507	530	798	-	29	29	29	-	(0)	(1)	4	-	-	-	-	97	1,094	1,077	819	0.397	0.402	0.399	0.387	39	440	429	317
1	29	18	151	1,759	1,773	1,795	-	-	-	-	38	-	-	-	-	-	-	-	0	29	29	276	-	29	29	29	-	8	6	13	-	-	-	-	113	1,694	1,710	1,477	0.404	0.404	0.398	0.382	46	684	681	564
1	29	19	157	1,844	1,866	1,895	-	-	-	-	39	-	-	-	-	-	-	-	-	26	26	273	-	29	29	29	-	7	7	11	-	-	-	-	118	1,783	1,804	1,582	0.406	0.406	0.401	0.384	48	723	724	607
1	29	20	154	1,802	1,825	1,854	-	-	-	-	37	-	-	-	-	-	-	-	-	18	18	265	-	29	29	29	-	1	4	10	-	-	-	-	117	1,754	1,774	1,551	0.405	0.405	0.400	0.383	47	710	709	594
1	29	21	149	1,747	1,769	1,797	-	-	-	-	38	-	-	-	-	-	-	-	-	10	10	257	-	29	29	29	-	2	3	12	-	-	-	-	111	1,706	1,728	1,499	0.404	0.403	0.399	0.382	45	688	688	572
1	29	22	141	1,663	1,686	1,714	-	-	-	-	37	-	-	-	-	-	-	-	-	7	7	254	-	29	29	29	-	7	9	3	-	-	-	-	105	1,621	1,641	1,429	0.401	0.401	0.396	0.378	42	649	650	540
1	29	23	131	1,540	1,562	1,588	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	29	29	29	-	8	3	10	-	-	-	-	97	1,499	1,526	1,299	0.398	0.396	0.392	0.373	38	593	597	484
1	29	24	134	1,568	1,588	1,613	-	-	-	-	29	-	-	-	-	-	-	-	-	6	6	253	-	29	29	29	-	6	8	5	-	-	-	-	105	1,528	1,546	1,327	0.397	0.393	0.387	0.369	42	600	598	490
1	30	1	110	1,283	1,289	1,301	-	-	-	-	28	-	-	-	-	-	-	-	-	7	7	254	-	29	29	29	-	(1)	2	5	-	-	-	-	82	1,248	1,252	1,014	0.399	0.392	0.386	0.367	33	489	483	372
1	30	2	104	1,202	1,202	1,207	-	-	-	-	27	-	-	-	-	-	-	-	-	8	8	255	-	29	29	29	-	2	(1)	(0)	-	-	-	-	76	1,163	1,166	924	0.399	0.392	0.384	0.366	30	456	448	339
1	30	3	100	1,150	1,144	1,145	-	-	-	-	27	-	-	-	-	-	-	-	-	9	9	256	-	29	29	29	-	(2)	8	(6)	-	-	-	-	72	1,115	1,098	866	0.399	0.392	0.382	0.366	29	437	420	317
1	30	4	97	1,121	1,110	1,105	-	-	-	-	26	-	-	-	-	-	-	-	-	8	8	255	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	71	1,085	1,076	825	0.398	0.391	0.382	0.366	28	424	411	302
1	30	5	98	1,120	1,104	1,095	-	-	-	-	24	-	-	-	-	-	-	-	-	4	4	251	-	29	29	29	-	(0)	1	(1)	-	-	-	-	74	1,088	1,070	817	0.396	0.388	0.382	0.365	29	423	409	298
1	30	6	101	1,153	1,131	1,116	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	29	29	29	-	12	(0)	(2)	-	-	-	-	70	1,112	1,102	843	0.396	0.389	0.383	0.366	28	433	422	308
1	30	7	107	1,217	1,192	1,176	-	-	-	-	34	-	-	-	-	-	-	-	0	4	4	251	-	29	29	29	-	14	10	6	-	-	-	-	73	1,171	1,149	890	0.395	0.393	0.386	0.370	29	461	443	330
1	30	8	112	1,276	1,252	1,239	-	-	-	-	31	-	-	-	-	-	-	-	7	368	374	628	-	29	29	29	-	(1)	2	(1)	-	-	-	-	74	881	847	584	0.394	0.385	0.384	0.375	29	339	325	219
1	30	9	120	1,374	1,355	1,349	-	-	-	-	26	-	-	-	-	-	-	-	16	722	758	1,038	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	78	634	572	285	0.377	0.196	0.195	0.195	30	124	111	56
1	30	10	125	1,436	1,418	1,412	-	-	-	-	27	-	-	-	-	-	-	-	31	1,463	1,532	1,842	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	67	(46)	(132)	(440)	0.379	0.195	0.195	0.103	25	(9)	(26)	(45)
1	30	11	128	1,464	1,446	1,439	-	-	-	-	24	-	-	-	-	-	-	-	39	1,834	1,924	2,251	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	64	(385)	(492)	(824)	0.380	0.199	0.200	0.103	24	(77)	(98)	(85)
1	30	12	128	1,470	1,452	1,445	-	-	-	-	23	-	-	-	-	-	-	-	51	2,454	2,560	2,902	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	54	(1,000)	(1,121)	(1,468)	0.379	0.199	0.200	0.103	21	(199)	(224)	(151)
1	30	13	128	1,471	1,457	1,453	-	-	-	-	24	-	-	-	-	-	-	-	51	2,392	2,502	2,847	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	54	(937)	(1,059)	(1,407)	0.379	0.199	0.200	0.103	20	(187)	(211)	(144)
1	30	14	126	1,452	1,440	1,439	-	-	-	-	25	-	-	-	-	-	-	-	43	1,970	2,068	2,403	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	59	(532)	(642)	(980)	0.379	0.199	0.200	0.103	22	(106)	(128)	(101)
1	30	15	125	1,437	1,428	1,429	-	-	-	-	25	-	-	-	-	-	-	-	39	1,832	1,915	2,236	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	61	(413)	(505)	(825)	0.379	0.196	0.196	0.097	23	(81)	(99)	(80)
1	30	16	124	1,435	1,433	1,439	-	-	-	-	26	-	-	-	-	-	-	-	29	1,391	1,450	1,751	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	69	22	(45)	(339)	0.380	0.193	0.194	0.187	26	4	(9)	(63)
1	30	17	127	1,470	1,472	1,482	-	-	-	-	32	-	-	-	-	-	-	-	11	518	541	809	-	29	29	29	-	(0)	(1)	4	-	-	-	-	84	923	903	641	0.397	0.402	0.399	0.387	33	371	360	248
1	30	18	140	1,634	1,645	1,664	-	-	-	-	38	-	-	-	-	-	-	-	0	17	18	265	-	29	29	29	-	8	6	13	-	-	-	-	102	1,580	1,593	1,357	0.404	0.404	0.398	0.382	41	639	635	519
1	30	19	148	1,733	1,752	1,778	-	-	-	-	39	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	7	7	11	-	-	-	-	109	1,676	1,695	1,470	0.406	0.406	0.401	0.384	44	680	680	564
1	30	20	145	1,707	1,727	1,754	-	-	-	-	37	-	-	-	-	-	-	-	-	33	33	280	-	29	29	29	-	1	4	10	-	-	-	-	108	1,644	1,662	1,435	0.405	0.405	0.400	0.383	44	666	664	549
1	30	21	142	1,666	1,686	1,712	-	-	-	-	38	-	-	-	-	-	-	-	-	33	33	280	-	29	29	29	-	2	3	12	-	-	-	-	104	1,602	1,622	1,391	0.404	0.403	0.399	0.382	42	646	646	531
1	30	22	136	1,593	1,615	1,641	-	-	-	-	37	-	-	-	-	-	-	-	-	27	27	274	-	29	29	29	-	7	9	3	-	-	-	-	99	1,531	1,550	1,336	0.401	0.401	0.396	0.378	40	613	614	505
1	30	23	127	1,491	1,512	1,537	-	-	-	-	34	-	-	-	-	-	-	-	-	30	30	277	-	29	29	29	-	8	3	10	-	-	-	-	93	1,425	1,450	1,222	0.398	0.396	0.392	0.373	37	564	568	455
1	30	24	124	1,461	1,478	1,501	-	-	-	-	29	-	-	-	-	-	-	-	-	29	29	276	-	29	29	29	-	6	8	5	-	-	-	-	96	1,397	1,413	1,191	0.397	0.393	0.387	0.369	38	549	546	440
1	31	1	105	1,229	1,234	1,245	-	-	-	-	28	-	-	-	-	-	-	-	-	23	23	270	-	29	29	29	-	(1)	2	5	-	-	-	-	77	1,178	1,181	941	0.399	0.392	0.386	0.367	31	462	456	345
1	31	2	100	1,156	1,155	1,160	-	-	-	-	27	-	-	-	-	-	-	-	-	19	19	266	-	29	29	29	-	2	(1)	(0)	-	-	-	-	73	1,107	1,109	865	0.399	0.392	0.384	0.366	29	434	426	317
1	31	3	96	1,105	1,098	1,097	-	-	-	-	27	-	-	-	-	-	-	-	-	21	21	268	-	29	29	29	-	(2)	8	(6)	-	-	-	-	68	1,058	1,040	807	0.399	0.392	0.382	0.366	27	414	398	295
1	31	4	94	1,075	1,063	1,058	-	-	-	-	26	-	-	-	-	-	-	-	-	29	29	276	-	29	29	29	-	(0)	(3)	(3)	-	-	-	-	68	1,018	1,008	756	0.398	0.391	0.382	0.366	27	398	385	277
1	31	5	93	1,065	1,048	1,038	-	-	-	-	24	-	-	-	-	-	-	-	-	40	40	287	-	29	29	29	-	(0)	1	(1)	-	-	-	-	69	997	978	723	0.396	0.388	0.382	0.365	27	387	374	264
1	31	6	95	1,080	1,056	1,040	-	-	-	-	31	-	-	-	-	-	-	-	-	45	45	292	-	29	29	29	-	12	(0)	(2)	-	-	-	-	64	995	983	721	0.396	0.389	0.383	0.366	25	387	376	264
1	31	7	99	1,123	1,095	1,077	-	-	-	-	34	-	-	-	-	-	-	-	0	62	62	309	-	29	29	29	-	14	10	6	-	-	-	-	65	1,019	995	733	0.395	0.393	0.386	0.370	26	401	384	271
1	31	8	104	1,181	1,154	1,138	-	-	-	-	31	-	-	-	-	-	-	-	11	666	678	935	-	29	29	29	-	(1)	2	(1)	-	-	-	-	62	488	446	176	0.394	0.385	0.384	0.375	24	188	171	66
1	31	9	113	1,287	1,266	1,257	-	-	-	-	26	-	-	-	-	-	-	-	30	1,522	1,575	1,870	-	29	29	29	-	(11)	(4)	(2)	-	-	-	-	57	(253)	(334)	(638)	0.377	0.196	0.195	0.195	21	(50)	(65)	(125)
1	31	10	120	1,373	1,353	1,346	-	-	-	-	27	-	-	-	-	-	-	-	46	2,259	2,351	2,681	-	29	29	29	-	(9)	(11)	(18)	-	-	-	-	47	(906)	(1,016)	(1,346)	0.379	0.195	0.195	0.103	18	(177)	(198)	(138)
1	31	11	125	1,426	1,406	1,399	-	-	-	-	24	-	-	-	-	-	-	-	55	2,698	2,810	3,158	-	29	29	29	-	(13)	(14)	(16)	-	-	-	-	45	(1,288)	(1,418)	(1,771)	0.380	0.199	0.200	0.103	17	(256)	(283)	(182)
1	31	12	127	1,456	1,438	1,430	-	-	-	-	23	-	-	-	-	-	-	-	53	2,553	2,669	3,021	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	51	(1,112)	(1,245)	(1,602)	0.379	0.199	0.200	0.103	19	(222)	(249)	(165)
1	31	13	126	1,446	1,431	1,427	-	-	-	-	24	-	-	-	-	-	-	-	51	2,315	2,439	2,798	-	29	29	29	-	(13)	(15)	(17)	-	-	-	-	51	(885)	(1,022)	(1,383)	0.379	0.199	0.200	0.103	20	(176)	(204)	(142)
1	31	14	121	1,387	1,374	1,371	-	-	-	-	25	-	-	-	-	-	-	-	47	2,023	2,155	2,520	-	29	29	29	-	(14)	(14)	(13)	-	-	-	-	49	(650)	(795)	(1,164)	0.379	0.199	0.200	0.103	19	(129)	(159)	(120)
1	31	15	114	1,316	1,304	1,301	-	-	-	-	25	-	-	-	-	-	-	-	42	1,835	1,952	2,304	-	29	29	29	-	(10)	(10)	(10)	-	-	-	-	47	(538)	(667)	(1,021)	0.379	0.196	0.196	0.097	18	(105)	(131)	(99)
1	31	16	116	1,341	1,336	1,340	-	-	-	-	26	-	-	-	-	-	-	-	40	1,881	1,978	2,312	-	29	29	29	-	(6)	(0)	(1)	-	-	-	-	50	(563)	(670)	(999)	0.380	0.193	0.194	0.187	19	(109)	(130)	(186)
1	31	17	123	1,423	1,424	1,433	-	-	-	-	32	-	-	-	-	-	-	-	10	419	452	728	-	29	29	29	-	(0)	(1)	4	-	-	-	-	81	976	944	673	0.397	0.402	0.399	0.387	32	392	376	260
1	31	18	138	1,611	1,622	1,640	-	-	-	-	38	-	-	-	-	-	-	-	0	48	49	296	-	29	29	29	-	8	6	13	-	-	-	-	100	1,526	1,539	1,302	0.404	0.404	0.398	0.382	41	617	613	498
1	31	19	150	1,752	1,772	1,798	-	-	-	-	39	-	-	-	-	-	-	-	-	48	48	295	-	29	29	29	-	7	7	11	-	-	-	-	110	1,668	1,687	1,463	0.406	0.406	0.401	0.384	45	677	677	562
1	31	20	149	1,750	1,771	1,799	-	-	-	-	37	-	-	-	-	-	-	-	-	49	49	296	-	29	29	29	-	1	4	10	-	-	-	-	112	1,671	1,690	1,464	0.405	0.405	0.400	0.383	45	677	675	561
1	31	21	147	1,730	1,752	1,780	-	-	-	-	38	-	-	-	-	-	-	-	-	52	52	299	-	29	29	29	-	2	3	12	-	-	-	-	110	1,648	1,669	1,440	0.404	0.403	0.399	0.382	44	665	665	550
1	31	22	141	1,663	1,686	1,714	-	-	-	-	37	-	-	-	-	-	-	-	-	52	52	299	-	29	29	29	-	7	9	3	-	-	-	-	105	1,575	1,596	1,384	0.401	0.401	0.396	0.378	42	631	632	523
1	31	23	130	1,533	1,554	1,581	-	-	-	-	34	-	-	-	-	-	-	-	-	47	47	294	-	29	29	29	-	8	3	10	-	-	-	-	96	1,450	1,477	1,249	0.398	0.396	0.392	0.373	38	574	578	466
1	31	24	123	1,449	1,466	1,488	-	-	-	-	29	-	-	-	-	-	-	-	-	42	42	289	-	29	29	29	-	6	8	5	-	-	-	-	95	1,372	1,388	1,166	0.397	0.393	0.387	0.369	38	539	537	430
2	1	1	112	1,306	1,315	1,329	-	-	-	-	25	-	-	-	-	-	-	-	-	40	40	287	-	47	47	47	-	4	4	(1)	-	-	-	-	87	1,216	1,224	996	0.409	0.387	0.366	0.367	36	471	448	366
2	1	2	106	1,236	1,238	1,246	-	-	-	-	21	-	-	-	-	-	-	-	-	40	40	287	-	47	47	47	-	-	-	(1)	-	-	-	-	85	1,150	1,152	914	0.409	0.386	0.368	0.365	35	443	424	334
2	1	3	103	1,196	1,192	1,194	-	-	-	-	19	-	-	-	-	-	-	-	-	39	39	286	-	47	47	47	-	1	(2)	(2)	-	-	-	-	84	1,109	1,108	864	0.408	0.385	0.369	0.366	34	427	409	316
2	1	4	103	1,185	1,177	1,175	-	-	-	-	20	-	-	-	-	-	-	-	-	39	39	286	-	47	47	47	-	15	1	(4)	-	-	-	-	83	1,084	1,090	846	0.408	0.379	0.367	0.366	34	411	400	310
2	1	5	106	1,221	1,208	1,202	-	-	-	-	22	-	-	-	-	-	-	-	-	34	34	281	-	47	47	47	-	1	-	(3)	-	-	-	-	85	1,140	1,128	878	0.409	0.383	0.365	0.365	35	436	412	321

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	1	6	116	1,335	1,318	1,309	-	-	-	-	33	-	-	-	-	-	-	-	-	28	28	275	-	47	47	47	-	14	9	-	-	-	-	-	83	1,247	1,235	988	0.410	0.387	0.365	0.364	34	483	451	359
2	1	7	133	1,530	1,513	1,506	-	-	-	-	38	-	-	-	-	-	-	-	1	57	57	304	-	47	47	47	-	9	9	6	-	-	-	-	95	1,417	1,400	1,150	0.409	0.396	0.377	0.364	39	562	528	418
2	1	8	141	1,625	1,610	1,607	-	-	-	-	37	-	-	-	-	-	-	-	21	1,223	1,240	1,501	-	47	47	47	-	(4)	(1)	-	-	-	-	-	83	359	325	59	0.403	0.403	0.381	0.377	33	145	124	22
2	1	9	143	1,643	1,632	1,634	-	-	-	-	29	-	-	-	-	-	-	-	39	1,993	2,056	2,360	-	47	47	47	-	(3)	(2)	14	-	-	-	-	75	(394)	(469)	(787)	0.410	0.409	0.393	0.386	31	(161)	(184)	(304)
2	1	10	144	1,661	1,650	1,652	-	-	-	-	23	-	-	-	-	-	-	-	51	2,491	2,593	2,931	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	70	(869)	(987)	(1,306)	0.406	0.000	0.000	0.000	28	-	-	-
2	1	11	144	1,655	1,643	1,643	-	-	-	-	22	-	-	-	-	-	-	-	57	2,704	2,830	3,191	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	65	(1,077)	(1,218)	(1,578)	0.403	0.000	0.000	0.000	26	-	-	-
2	1	12	143	1,642	1,630	1,629	-	-	-	-	22	-	-	-	-	-	-	-	59	2,741	2,880	3,252	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	61	(1,132)	(1,281)	(1,652)	0.397	0.000	0.000	0.000	24	-	-	-
2	1	13	140	1,621	1,612	1,613	-	-	-	-	22	-	-	-	-	-	-	-	60	2,747	2,887	3,261	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	59	(1,159)	(1,307)	(1,678)	0.395	0.000	0.000	0.000	23	-	-	-
2	1	14	139	1,601	1,594	1,597	-	-	-	-	24	-	-	-	-	-	-	-	59	2,741	2,880	3,251	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	55	(1,173)	(1,317)	(1,684)	0.394	0.000	0.000	0.000	22	-	-	-
2	1	15	137	1,582	1,578	1,583	-	-	-	-	26	-	-	-	-	-	-	-	56	2,634	2,757	3,114	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	55	(1,085)	(1,212)	(1,565)	0.396	0.000	0.000	0.000	22	-	-	-
2	1	16	137	1,586	1,589	1,601	-	-	-	-	31	-	-	-	-	-	-	-	46	2,220	2,313	2,644	-	47	47	47	-	(1)	(1)	2	-	-	-	-	60	(680)	(770)	(1,092)	0.404	0.000	0.400	0.000	24	-	(308)	-
2	1	17	141	1,648	1,659	1,678	-	-	-	-	40	-	-	-	-	-	-	-	12	559	588	862	-	47	47	47	-	(2)	(1)	2	-	-	-	-	90	1,045	1,025	768	0.402	0.408	0.404	0.395	36	427	414	303
2	1	18	159	1,858	1,878	1,906	-	-	-	-	41	-	-	-	-	-	-	-	0	49	49	296	-	47	47	47	-	1	1	8	-	-	-	-	117	1,762	1,782	1,555	0.403	0.399	0.393	0.377	47	704	700	586
2	1	19	171	2,012	2,041	2,076	-	-	-	-	44	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	(0)	18	15	-	-	-	-	127	1,921	1,931	1,723	0.413	0.405	0.397	0.384	53	777	767	661
2	1	20	171	2,008	2,036	2,072	-	-	-	-	48	-	-	-	-	-	-	-	-	41	41	288	-	47	47	47	-	6	2	20	-	-	-	-	123	1,914	1,946	1,717	0.412	0.403	0.397	0.383	51	772	773	657
2	1	21	167	1,966	1,995	2,030	-	-	-	-	45	-	-	-	-	-	-	-	-	49	49	296	-	47	47	47	-	-	4	5	-	-	-	-	122	1,871	1,895	1,682	0.406	0.402	0.396	0.382	50	752	751	642
2	1	22	158	1,855	1,883	1,916	-	-	-	-	41	-	-	-	-	-	-	-	-	31	31	278	-	47	47	47	-	-	1	5	-	-	-	-	116	1,777	1,804	1,586	0.411	0.399	0.392	0.376	48	709	708	596
2	1	23	143	1,687	1,714	1,746	-	-	-	-	40	-	-	-	-	-	-	-	-	14	14	261	-	47	47	47	-	18	4	2	-	-	-	-	103	1,609	1,649	1,436	0.414	0.397	0.386	0.366	43	638	637	526
2	1	24	137	1,608	1,630	1,656	-	-	-	-	37	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	1	8	1	-	-	-	-	100	1,557	1,572	1,359	0.406	0.392	0.375	0.364	41	610	590	494
2	2	1	120	1,409	1,421	1,437	-	-	-	-	25	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	4	4	(1)	-	-	-	-	96	1,359	1,369	1,144	0.409	0.387	0.366	0.367	39	526	501	420
2	2	2	115	1,342	1,347	1,358	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	94	1,296	1,301	1,065	0.409	0.386	0.368	0.365	39	499	479	389
2	2	3	112	1,297	1,296	1,301	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	93	1,250	1,251	1,009	0.408	0.385	0.369	0.366	38	481	462	370
2	2	4	112	1,289	1,283	1,284	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	92	1,227	1,236	994	0.408	0.379	0.367	0.366	37	465	453	364
2	2	5	115	1,322	1,311	1,308	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	93	1,274	1,264	1,017	0.409	0.383	0.365	0.365	38	488	462	371
2	2	6	126	1,446	1,432	1,426	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	93	1,386	1,376	1,132	0.410	0.387	0.365	0.364	38	537	502	412
2	2	7	143	1,650	1,636	1,633	-	-	-	-	38	-	-	-	-	-	-	-	1	36	36	283	-	47	47	47	-	9	9	6	-	-	-	-	105	1,559	1,545	1,298	0.409	0.396	0.377	0.364	43	618	583	472
2	2	8	151	1,738	1,726	1,726	-	-	-	-	37	-	-	-	-	-	-	-	22	1,238	1,257	1,521	-	47	47	47	-	(4)	(1)	-	-	-	-	-	92	457	423	159	0.403	0.403	0.381	0.377	37	184	161	60
2	2	9	149	1,719	1,710	1,714	-	-	-	-	29	-	-	-	-	-	-	-	41	2,074	2,146	2,458	-	47	47	47	-	(3)	(2)	14	-	-	-	-	79	(398)	(481)	(805)	0.410	0.409	0.393	0.386	32	(163)	(189)	(311)
2	2	10	148	1,708	1,698	1,701	-	-	-	-	23	-	-	-	-	-	-	-	54	2,564	2,681	3,033	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	71	(896)	(1,028)	(1,359)	0.406	0.000	0.000	0.000	29	-	-	-
2	2	11	146	1,685	1,674	1,674	-	-	-	-	22	-	-	-	-	-	-	-	61	2,769	2,917	3,297	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	64	(1,112)	(1,274)	(1,653)	0.403	0.000	0.000	0.000	26	-	-	-
2	2	12	144	1,657	1,646	1,645	-	-	-	-	22	-	-	-	-	-	-	-	64	2,827	2,995	3,392	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	58	(1,202)	(1,380)	(1,776)	0.397	0.000	0.000	0.000	23	-	-	-
2	2	13	141	1,632	1,624	1,625	-	-	-	-	22	-	-	-	-	-	-	-	66	2,861	3,040	3,447	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	54	(1,261)	(1,447)	(1,852)	0.395	0.000	0.000	0.000	21	-	-	-
2	2	14	140	1,615	1,608	1,612	-	-	-	-	24	-	-	-	-	-	-	-	65	2,835	3,006	3,405	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	51	(1,253)	(1,428)	(1,824)	0.394	0.000	0.000	0.000	20	-	-	-
2	2	15	138	1,596	1,592	1,598	-	-	-	-	26	-	-	-	-	-	-	-	57	2,524	2,668	3,045	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	56	(960)	(1,109)	(1,481)	0.396	0.000	0.000	0.000	22	-	-	-
2	2	16	138	1,598	1,601	1,613	-	-	-	-	31	-	-	-	-	-	-	-	44	2,012	2,115	2,454	-	47	47	47	-	(1)	(1)	2	-	-	-	-	63	(460)	(559)	(889)	0.404	0.000	0.400	0.000	25	-	(224)	-
2	2	17	141	1,644	1,654	1,673	-	-	-	-	40	-	-	-	-	-	-	-	9	363	394	668	-	47	47	47	-	(2)	(1)	2	-	-	-	-	92	1,235	1,214	956	0.402	0.408	0.404	0.395	37	504	491	377
2	2	18	156	1,832	1,851	1,878	-	-	-	-	41	-	-	-	-	-	-	-	0	3	3	251	-	47	47	47	-	1	1	8	-	-	-	-	115	1,781	1,800	1,573	0.403	0.399	0.393	0.377	46	711	707	592
2	2	19	168	1,971	1,999	2,034	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	(0)	18	15	-	-	-	-	124	1,925	1,934	1,725	0.413	0.405	0.397	0.384	51	779	769	662
2	2	20	167	1,966	1,993	2,028	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	6	2	20	-	-	-	-	120	1,914	1,945	1,714	0.412	0.403	0.397	0.383	49	772	772	656
2	2	21	164	1,924	1,952	1,986	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	4	5	-	-	-	-	119	1,878	1,901	1,687	0.406	0.402	0.396	0.382	48	755	753	644
2	2	22	155	1,827	1,853	1,886	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	1	5	-	-	-	-	114	1,780	1,806	1,587	0.411	0.399	0.392	0.376	47	710	709	597
2	2	23	142	1,667	1,693	1,724	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	18	4	2	-	-	-	-	101	1,603	1,642	1,428	0.414	0.397	0.386	0.366	42	636	634	523
2	2	24	137	1,607	1,628	1,655	-	-	-	-	37	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	1	8	1	-	-	-	-	100	1,559	1,574	1,360	0.406	0.392	0.375	0.364	41	611	591	495
2	3	1	118	1,382	1,392	1,408	-	-	-	-	25	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	4	4	(1)	-	-	-	-	93	1,331	1,341	1,115	0.409	0.387	0.366	0.367	38	516	490	410
2	3	2	113	1,310	1,314	1,324	-	-	-	-	21	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	-	-	(1)	-	-	-	-	92	1,262	1,267	1,031	0.409	0.386	0.368	0.365	37	487	467	376
2	3	3	109	1,265	1,263	1,267	-	-	-	-	19	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	1	(2)	(2)	-	-	-	-	90	1,216	1,217	975	0.408	0.385	0.369	0.366	37	468	449	357
2	3	4	109	1,256	1,249	1,249	-	-	-	-	20	-	-	-	-	-	-	-	-	2	2	249	-	47	47	47	-	15	1	(4)	-	-	-	-	89	1,192	1,200	957	0.408	0.379	0.367	0.366	36	452	440	351
2	3	5	112	1,286	1,274	1,270	-	-	-	-	22	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	1	-	(3)	-	-	-	-	90	1,236	1,225	977	0.409	0.383	0.365	0.365	37	473	447	357
2	3	6	122	1,404	1,389	1,382	-	-	-	-	33	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	14	9	-	-	-	-	-	89	1,341	1,330	1,085	0.410	0.387	0.365	0.364	37	519	485	395
2	3	7	139	1,597	1,582	1,577	-	-	-	-	38	-	-	-	-	-	-	-	1	42	42	289	-	47	47	47	-	9	9	6	-	-	-	-	101	1,500	1,485	1,236	0.409	0.396	0.377	0.364	41	595	560	450
2	3	8	146	1,684	1,671	1,669	-	-	-	-	37	-	-	-	-	-	-	-	22	1,220	1,240	1,505	-	47	47	47	-	(4)	(1)	-	-	-	-	-	87	421	385	118	0.403	0.403	0.381	0.377	35	170	147	44
2	3	9	145	1,670	1,659	1,662	-	-	-	-	29	-	-	-	-	-	-	-	42	2,057	2,138	2,458	-	47	47	47	-	(3)	(2)	14	-	-	-	-	74	(430)	(523)	(857)	0.410	0.409	0.393	0.386	30	(176)	(205)	(331)
2	3	10	144	1,662	1,651	1,653	-	-	-	-	23	-	-	-	-	-	-	-	55	2,540	2,669	3,032	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	66	(917)	(1,063)	(1,406)	0.406	0.000	0.000	0.000	27	-	-	-
2	3	11	143	1,649	1,636	1,636	-	-	-	-	22	-	-	-	-	-	-	-	63	2,806	2,966	3,357	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	59	(1,185)	(1,361)	(1,752)	0.403	0.000	0.000	0.000	24	-	-	-
2	3	12	142	1,631	1,618	1,617	-	-	-	-	22	-	-	-	-	-	-	-	65	2,848	3,023	3,427	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	54	(1,250)	(1,436)	(1,839)	0.397	0.000	0.000	0.000	22	-	-	-
2	3	13	140	1,609	1,600	1,601	-	-	-	-	22	-	-	-	-	-	-	-	66	2,855	3,032	3,438	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	52	(1,278)	(1,463)	(1,867)	0.395	0.000	0.000	0.000	21	-	-	-
2	3	14	138	1,594	1,587	1,590	-	-	-	-	24	-	-	-	-	-	-	-	64	2,832	3,002	3,401	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	50	(1,271)	(1,446)	(1,841)	0.394	0.000	0.000	0.000	20	-	-	-
2	3	15	136	1,578	1,573	1,578	-	-	-	-	26	-	-	-	-	-	-	-	58	2,632	2,777	3,154	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	52	(1,087)	(1,237)	(1,610)	0.396	0.000	0.000	0.000	21	-	-	-
2	3	16	136	1,581	1,584	1,595	-	-	-	-	31	-	-	-	-	-	-	-	47	2,175	2,281	2,623	-	47	47	47	-	(1)	(1)	2	-	-	-	-	58	(640)	(743)	(1,077)	0.404	0.000	0.400	0.000	24	-	(297)	-
2	3	17	139	1,618	1,628	1,646	-	-	-	-	40	-	-	-	-	-	-	-	19	972	1,006	1,284	-	47	47	47	-	(2)	(1)	2	-	-	-	-	80	602	576	313	0.402	0.408	0.404	0.395	32	246	233	124
2	3	18	153	1,792	1,810	1,836	-	-	-	-	41	-	-	-	-	-	-	-	0	13	13	261	-	47	47	47	-	1	1	8	-	-	-	-	111	1,732	1,749	1,521	0.403	0.399	0.393	0.377	45	692	687	573
2	3	19	165	1,936	1,963	1,997	-	-	-	-	44	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	(0)	18	15	-	-	-	-	121	1,889	1,898	1,687	0.413	0.405	0.397	0.384	50	764	754	647
2	3	20	164	1,928	1,954	1,987	-	-	-	-	48	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	6	2	20	-	-	-	-	116	1,875	1,904	1,673	0.412	0.403	0.397	0.383	48	756	756	641
2	3	21	161	1,888	1,915	1,948	-	-	-	-	45	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	-	4	5	-	-	-	-	116	1,841	1,864	1,649	0.406	0.402	0.396	0.382	47	741	738	629
2	3	22	152	1,787	1,813	1,844	-	-	-	-	41	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	-	1	5	-	-	-	-	111	1,740	1,765	1,545	0.411	0.399	0.392	0.376	45	694	693	581
2	3	23	139	1,632	1,657	1,688	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	18	4	2	-	-	-	-	99	1,568	1,606	1,392	0.414	0.397	0.386	0.366	41	622	620	509
2	3	24	134	1,580	1,601	1,627	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	8	1	-	-	-	-	98	1,532	1,547	1,333	0.406	0.392	0.375	0.364	40	601	581	485
2	4	1	116	1,359	1,369	1,384	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	4	4	(1)	-	-	-	-	91	1,309	1,318	1,091	0.409	0.387	0.366	0.367	37	507	482	401
2	4	2	111	1,288	1,292	1,301	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	90	1,242	1,245	1,009	0.409	0.386	0.368	0.365	37	479	459	368
2	4	3	108	1,246	1,243	1,247	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	88	1,198	1,199	955	0.408	0.385	0.369	0.366	36	461	442	350
2	4	4	107	1,236	1,229	1,229	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	87	1,174	1,182	939	0.408	0.379	0.367	0.366	36	445	433	344
2	4	5	111	1,273	1,261	1,256	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	89	1,225	1,214	966	0.409	0.383	0.365	0.365	36	469	443	353
2	4	6	121	1,385	1,369	1,361	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	88	1,325	1,313	1,068	0.410	0.387	0.365	0.364	36	513	479	388
2	4	7	138	1,582	1,566	1,560	-	-	-	-	38	-	-	-	-	-	-	-	1	42	42	289	-	47	47	47	-	9	9	6	-	-	-	-	99	1,484	1,468	1,219	0.409	0.396	0.377	0.364	41	588	554	443
2	4	8	145	1,663	1,648	1,646	-	-	-	-	37	-	-	-	-	-	-	-	22	1,217	1,237	1,502	-	47	47	47	-	(4)	(1)	-	-	-	-	-	86	402	365	98	0.403	0.403	0.381	0.377	34	162	139	37
2	4	9	144	1,655	1,644	1,647	-	-	-	-	29	-	-	-	-	-	-	-	41	2,034	2,113	2,430	-	47	47	47	-	(3)	(2)	14	-	-	-	-	74	(422)	(512)	(844)	0.410	0.409	0.393	0.386	30	(173)	(201)	(326)
2	4	10	145	1,667	1,656	1,657	-	-	-	-	23	-	-	-	-	-	-	-	54	2,520	2,646	3,007	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	67	(892)	(1,035)	(1,376)	0.406	0.000	0.000	0.000	27	-	-	-
2	4	11	144	1,655	1,642	1,642	-	-	-	-	22	-	-	-	-	-	-	-	63	2,800	2,958	3,348	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	60	(1,173)	(1,347)	(1,736)	0.403	0.000	0.000	0.000	24	-	-	-
2	4	12	142	1,638	1,625	1,624	-	-	-	-	22	-	-	-	-	-	-	-	65	2,845	3,018	3,421	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	55	(1,239)	(1,424)	(1,826)	0.397	0.000	0.000	0.000	22	-	-	-
2	4	13	140	1,619	1,610	1,611	-	-	-	-	22	-	-	-	-	-	-	-	66	2,860	3,039	3,446	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	52	(1,274)	(1,460)	(1,866)	0.395	0.000	0.000	0.000	21	-	-	-
2	4	14	139	1,604	1,597	1,600	-	-	-	-	24	-	-	-	-	-	-	-	65	2,837	3,008	3,408	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	50	(1,266)	(1,442)	(1,839)	0.394	0.000	0.000	0.000	20	-	-	-
2	4	15	137	1,585	1,581	1,586	-	-	-	-	26	-	-	-	-	-	-	-	59	2,630	2,780	3,161	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	52	(1,077)	(1,232)	(1,609)	0.396	0.000	0.000	0.000	21	-	-	-
2	4	16	137	1,592	1,595	1,607	-	-	-	-	31	-	-	-	-	-	-	-	47	2,180	2,290	2,636	-	47	47	47	-	(1)	(1)	2	-	-	-	-	59	(634)	(741)	(1,078)	0.404	0.000	0.400	0.000	24	-	(296)	-
2	4	17	139	1,618	1,628	1,646	-	-	-	-	40	-	-	-	-	-	-	-	11	420	461	745	-	47	47	47	-	(2)	(1)	2	-	-	-	-	88	1,154	1,121	853	0.402	0.408	0.404	0.395	35	471	453	336
2	4	18	151	1,770	1,788	1,813	-	-	-	-	41	-	-	-	-	-	-	-	0	11	11	259	-	47	47	47	-	1	1	8	-	-	-	-	110	1,712	1,729	1,500	0.403	0.399	0.393	0.377	44	684	680	565
2	4	19	162	1,903	1,929	1,961	-	-	-	-	44	-	-	-	-	-	-	-	-	14	14	261	-	47	47	47	-	(0)	18	15	-	-	-	-	118	1,842	1,850	1,639	0.413	0.405	0.397	0.384	49	745	735	629
2	4	20	161	1,891	1,916	1,948	-	-	-	-	48	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	6	2	20	-	-	-	-	113	1,826	1,855	1,622	0.412	0.403	0.397	0.383	47	736	736	621
2	4	21	157	1,849	1,875	1,906	-	-	-	-	45	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	-	4	5	-	-	-	-	112	1,792	1,813	1,597	0.406	0.402	0.396	0.382	46	721	718	609
2	4	22	149	1,746	1,771	1,801	-	-	-	-	41	-	-	-	-	-	-	-	-	9	9	256	-	47	47	47	-	-	1	5	-	-	-	-	107	1,691	1,715	1,494	0.411	0.399	0.392	0.376	44	674	673	562
2	4	23	136	1,595	1,619	1,648	-	-	-	-	40	-	-	-	-	-	-	-	-	10	10	257	-	47	47	47	-	18	4	2	-	-	-	-	95	1,520	1,558	1,342	0.414	0.397	0.386	0.366	39	603	601	491
2	4	24	134	1,574	1,595	1,621	-	-	-	-	37	-	-	-	-	-	-	-	-	10	10	257	-	47	47	47	-	1	8	1	-	-	-	-	97	1,516	1,530	1,316	0.406	0.392	0.375	0.364	39	594	575	479
2	5	1	114	1,328	1,337	1,351	-	-	-	-	25	-	-	-	-	-	-	-	-	8	8	255	-	47	47	47	-	4	4	(1)	-	-	-	-	89	1,269	1,278	1,050	0.409	0.387	0.366	0.367	36	492	467	386
2	5	2	108	1,255	1,258	1,266	-	-	-	-	21	-	-	-	-	-	-	-	-	10	10	257	-	47	47	47	-	-	-	(1)	-	-	-	-	87	1,198	1,201	963	0.409	0.386	0.368	0.365	36	462	442	352
2	5	3	104	1,209	1,205	1,208	-	-	-	-	19	-	-	-	-	-	-	-	-	9	9	256	-	47	47	47	-	1	(2)	(2)	-	-	-	-	85	1,152	1,152	907	0.408	0.385	0.369	0.366	35	443	425	332
2	5	4	103	1,191	1,183	1,181	-	-	-	-	20	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	15	1	(4)	-	-	-	-	84	1,118	1,124	880	0.408	0.379	0.367	0.366	34	423	412	322
2	5	5	106	1,221	1,208	1,202	-	-	-	-	22	-	-	-	-	-	-	-	-	15	15	262	-	47	47	47	-	1	-	(3)	-	-	-	-	85	1,158	1,146	896	0.409	0.383	0.365	0.365	35	444	419	327
2	5	6	116	1,324	1,307	1,298	-	-	-	-	33	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	14	9	-	-	-	-	-	83	1,252	1,238	991	0.410	0.387	0.365	0.364	34	484	452	361
2	5	7	131	1,504	1,487	1,480	-	-	-	-	38	-	-	-	-	-	-	-	1	48	48	295	-	47	47	47	-	9	9	6	-	-	-	-	93	1,401	1,383	1,132	0.409	0.396	0.377	0.364	38	555	522	412
2	5	8	138	1,583	1,567	1,563	-	-	-	-	37	-	-	-	-	-	-	-	19	1,103	1,119	1,381	-	47	47	47	-	(4)	(1)	-	-	-	-	-	81	437	402	135	0.403	0.403	0.381	0.377	33	176	153	51
2	5	9	138	1,591	1,579	1,580	-	-	-	-	29	-	-	-	-	-	-	-	38	1,938	2,002	2,307	-	47	47	47	-	(3)	(2)	14	-	-	-	-	71	(390)	(468)	(788)	0.410	0.409	0.393	0.386	29	(160)	(184)	(304)
2	5	10	140	1,605	1,592	1,593	-	-	-	-	23	-	-	-	-	-	-	-	50	2,389	2,497	2,841	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	66	(823)	(949)	(1,275)	0.406	0.000	0.000	0.000	27	-	-	-
2	5	11	140	1,616	1,603	1,601	-	-	-	-	22	-	-	-	-	-	-	-	58	2,689	2,826	3,196	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	61	(1,102)	(1,255)	(1,625)	0.403	0.000	0.000	0.000	24	-	-	-
2	5	12	140	1,617	1,604	1,602	-	-	-	-	22	-	-	-	-	-	-	-	61	2,773	2,921	3,301	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	58	(1,189)	(1,348)	(1,728)	0.397	0.000	0.000	0.000	23	-	-	-
2	5	13	139	1,605	1,596	1,597	-	-	-	-	22	-	-	-	-	-	-	-	62	2,794	2,949	3,335	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	55	(1,221)	(1,384)	(1,768)	0.395	0.000	0.000	0.000	22	-	-	-
2	5	14	139	1,605	1,599	1,602	-	-	-	-	24	-	-	-	-	-	-	-	59	2,702	2,844	3,218	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	56	(1,129)	(1,276)	(1,646)	0.394	0.000	0.000	0.000	22	-	-	-
2	5	15	138	1,594	1,590	1,595	-	-	-	-	26	-	-	-	-	-	-	-	50	2,327	2,437	2,784	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	62	(765)	(881)	(1,222)	0.396	0.000	0.000	0.000	25	-	-	-
2	5	16	137	1,597	1,600	1,612	-	-	-	-	31	-	-	-	-	-	-	-	37	1,779	1,857	2,175	-	47	47	47	-	(1)	(1)	2	-	-	-	-	69	(228)	(303)	(611)	0.404	0.000	0.400	0.000	28	-	(121)	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	5	17	138	1,613	1,623	1,640	-	-	-	-	40	-	-	-	-	-	-	-	11	507	536	809	-	47	47	47	-	(2)	(1)	2	-	-	-	-	87	1,060	1,041	783	0.402	0.408	0.404	0.395	35	433	421	309
2	5	18	148	1,729	1,746	1,770	-	-	-	-	41	-	-	-	-	-	-	-	0	9	9	257	-	47	47	47	-	1	1	8	-	-	-	-	106	1,672	1,689	1,459	0.403	0.399	0.393	0.377	43	668	664	550
2	5	19	156	1,831	1,856	1,887	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	(0)	18	15	-	-	-	-	112	1,785	1,791	1,578	0.413	0.405	0.397	0.384	46	722	712	605
2	5	20	153	1,798	1,821	1,851	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	6	2	20	-	-	-	-	106	1,745	1,772	1,537	0.412	0.403	0.397	0.383	43	704	704	589
2	5	21	149	1,746	1,770	1,799	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	4	5	-	-	-	-	104	1,700	1,719	1,500	0.406	0.402	0.396	0.382	42	684	681	572
2	5	22	142	1,664	1,687	1,715	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	1	5	-	-	-	-	100	1,617	1,639	1,416	0.411	0.399	0.392	0.376	41	645	643	532
2	5	23	131	1,546	1,569	1,597	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	18	4	2	-	-	-	-	91	1,482	1,518	1,302	0.414	0.397	0.386	0.366	38	588	586	476
2	5	24	132	1,549	1,570	1,595	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	8	1	-	-	-	-	95	1,501	1,515	1,300	0.406	0.392	0.375	0.364	39	589	569	473
2	6	1	111	1,297	1,305	1,319	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	4	4	(1)	-	-	-	-	86	1,246	1,254	1,026	0.409	0.387	0.366	0.367	35	483	459	377
2	6	2	105	1,221	1,224	1,231	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	84	1,175	1,177	939	0.409	0.386	0.368	0.365	34	453	433	343
2	6	3	101	1,170	1,166	1,168	-	-	-	-	19	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	82	1,123	1,121	876	0.408	0.385	0.369	0.366	34	432	414	321
2	6	4	99	1,144	1,135	1,132	-	-	-	-	20	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	15	1	(4)	-	-	-	-	80	1,079	1,084	839	0.408	0.379	0.367	0.366	32	409	398	307
2	6	5	100	1,148	1,134	1,126	-	-	-	-	22	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	1	-	(3)	-	-	-	-	78	1,098	1,084	833	0.409	0.383	0.365	0.365	32	421	396	304
2	6	6	104	1,189	1,169	1,156	-	-	-	-	33	-	-	-	-	-	-	-	-	4	4	251	-	47	47	47	-	14	9	-	-	-	-	-	71	1,126	1,109	859	0.410	0.387	0.365	0.364	29	436	405	312
2	6	7	110	1,260	1,236	1,223	-	-	-	-	38	-	-	-	-	-	-	-	0	17	17	264	-	47	47	47	-	9	9	6	-	-	-	-	73	1,187	1,164	906	0.409	0.396	0.377	0.364	30	471	439	330
2	6	8	115	1,309	1,287	1,276	-	-	-	-	37	-	-	-	-	-	-	-	9	503	514	770	-	47	47	47	-	(4)	(1)	-	-	-	-	-	68	764	728	459	0.403	0.403	0.381	0.377	28	308	277	173
2	6	9	120	1,377	1,360	1,355	-	-	-	-	29	-	-	-	-	-	-	-	30	1,449	1,512	1,816	-	47	47	47	-	(3)	(2)	14	-	-	-	-	61	(115)	(197)	(522)	0.410	0.409	0.393	0.386	25	(47)	(77)	(201)
2	6	10	124	1,425	1,408	1,404	-	-	-	-	23	-	-	-	-	-	-	-	45	2,048	2,155	2,498	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	56	(663)	(792)	(1,121)	0.406	0.000	0.000	0.000	23	-	-	-
2	6	11	126	1,445	1,428	1,422	-	-	-	-	22	-	-	-	-	-	-	-	56	2,524	2,666	3,039	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	48	(1,108)	(1,269)	(1,648)	0.403	0.000	0.000	0.000	19	-	-	-
2	6	12	126	1,447	1,430	1,424	-	-	-	-	22	-	-	-	-	-	-	-	62	2,764	2,919	3,305	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	43	(1,350)	(1,520)	(1,910)	0.397	0.000	0.000	0.000	17	-	-	-
2	6	13	126	1,445	1,432	1,428	-	-	-	-	22	-	-	-	-	-	-	-	61	2,722	2,880	3,270	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	42	(1,310)	(1,480)	(1,871)	0.395	0.000	0.000	0.000	17	-	-	-
2	6	14	124	1,430	1,419	1,418	-	-	-	-	24	-	-	-	-	-	-	-	55	2,405	2,552	2,931	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	45	(1,008)	(1,164)	(1,543)	0.394	0.000	0.000	0.000	18	-	-	-
2	6	15	123	1,418	1,410	1,411	-	-	-	-	26	-	-	-	-	-	-	-	46	2,087	2,204	2,555	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	51	(701)	(826)	(1,178)	0.396	0.000	0.000	0.000	20	-	-	-
2	6	16	123	1,424	1,423	1,430	-	-	-	-	31	-	-	-	-	-	-	-	36	1,670	1,756	2,080	-	47	47	47	-	(1)	(1)	2	-	-	-	-	55	(292)	(379)	(699)	0.404	0.000	0.400	0.000	22	-	(152)	-
2	6	17	125	1,455	1,461	1,475	-	-	-	-	40	-	-	-	-	-	-	-	17	817	854	1,134	-	47	47	47	-	(2)	(1)	2	-	-	-	-	68	593	561	293	0.402	0.408	0.404	0.395	27	242	227	115
2	6	18	136	1,587	1,600	1,621	-	-	-	-	41	-	-	-	-	-	-	-	0	29	29	277	-	47	47	47	-	1	1	8	-	-	-	-	94	1,510	1,523	1,290	0.403	0.399	0.393	0.377	38	603	599	486
2	6	19	146	1,710	1,731	1,759	-	-	-	-	44	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	(0)	18	15	-	-	-	-	102	1,650	1,653	1,437	0.413	0.405	0.397	0.384	42	667	657	551
2	6	20	144	1,689	1,710	1,737	-	-	-	-	48	-	-	-	-	-	-	-	-	15	15	262	-	47	47	47	-	6	2	20	-	-	-	-	96	1,621	1,646	1,408	0.412	0.403	0.397	0.383	40	654	653	539
2	6	21	140	1,645	1,666	1,692	-	-	-	-	45	-	-	-	-	-	-	-	-	18	18	265	-	47	47	47	-	-	4	5	-	-	-	-	95	1,580	1,597	1,375	0.406	0.402	0.396	0.382	39	635	632	525
2	6	22	134	1,576	1,596	1,622	-	-	-	-	41	-	-	-	-	-	-	-	-	18	18	265	-	47	47	47	-	-	1	5	-	-	-	-	93	1,511	1,531	1,306	0.411	0.399	0.392	0.376	38	603	601	491
2	6	23	126	1,478	1,500	1,526	-	-	-	-	40	-	-	-	-	-	-	-	-	17	17	264	-	47	47	47	-	18	4	2	-	-	-	-	86	1,397	1,432	1,213	0.414	0.397	0.386	0.366	35	554	553	444
2	6	24	122	1,432	1,450	1,472	-	-	-	-	37	-	-	-	-	-	-	-	-	16	16	263	-	47	47	47	-	1	8	1	-	-	-	-	85	1,369	1,379	1,162	0.406	0.392	0.375	0.364	35	536	518	423
2	7	1	108	1,260	1,268	1,280	-	-	-	-	25	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,197	1,204	974	0.409	0.387	0.366	0.367	34	464	440	358
2	7	2	102	1,188	1,189	1,196	-	-	-	-	21	-	-	-	-	-	-	-	-	9	9	256	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,133	1,134	895	0.409	0.386	0.368	0.365	33	437	418	327
2	7	3	99	1,141	1,136	1,137	-	-	-	-	19	-	-	-	-	-	-	-	-	10	10	257	-	47	47	47	-	1	(2)	(2)	-	-	-	-	80	1,083	1,081	835	0.408	0.385	0.369	0.366	32	417	399	306
2	7	4	97	1,112	1,102	1,098	-	-	-	-	20	-	-	-	-	-	-	-	-	16	16	263	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,035	1,039	793	0.408	0.379	0.367	0.366	31	392	381	290
2	7	5	97	1,107	1,091	1,082	-	-	-	-	22	-	-	-	-	-	-	-	-	17	17	264	-	47	47	47	-	1	-	(3)	-	-	-	-	75	1,042	1,027	774	0.409	0.383	0.365	0.365	31	399	375	283
2	7	6	99	1,125	1,103	1,088	-	-	-	-	33	-	-	-	-	-	-	-	-	12	12	259	-	47	47	47	-	14	9	-	-	-	-	-	66	1,053	1,035	783	0.410	0.387	0.365	0.364	27	407	378	285
2	7	7	103	1,171	1,146	1,130	-	-	-	-	38	-	-	-	-	-	-	-	0	30	30	277	-	47	47	47	-	9	9	6	-	-	-	-	65	1,086	1,061	801	0.409	0.396	0.377	0.364	27	430	400	291
2	7	8	106	1,201	1,176	1,162	-	-	-	-	37	-	-	-	-	-	-	-	12	702	711	966	-	47	47	47	-	(4)	(1)	-	-	-	-	-	56	455	419	150	0.403	0.403	0.381	0.377	23	184	160	56
2	7	9	111	1,261	1,241	1,234	-	-	-	-	29	-	-	-	-	-	-	-	23	1,200	1,237	1,517	-	47	47	47	-	(3)	(2)	14	-	-	-	-	58	18	(39)	(344)	0.410	0.409	0.393	0.386	24	7	(16)	(133)
2	7	10	115	1,316	1,296	1,289	-	-	-	-	23	-	-	-	-	-	-	-	31	1,489	1,554	1,858	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	61	(212)	(302)	(596)	0.406	0.000	0.000	0.000	25	-	-	-
2	7	11	119	1,357	1,337	1,329	-	-	-	-	22	-	-	-	-	-	-	-	39	1,853	1,937	2,259	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	58	(525)	(631)	(960)	0.403	0.000	0.000	0.000	23	-	-	-
2	7	12	121	1,389	1,370	1,363	-	-	-	-	22	-	-	-	-	-	-	-	41	1,977	2,067	2,395	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	58	(621)	(727)	(1,061)	0.397	0.000	0.000	0.000	23	-	-	-
2	7	13	123	1,419	1,405	1,401	-	-	-	-	22	-	-	-	-	-	-	-	43	2,111	2,197	2,521	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	59	(725)	(823)	(1,151)	0.395	0.000	0.000	0.000	23	-	-	-
2	7	14	125	1,438	1,427	1,427	-	-	-	-	24	-	-	-	-	-	-	-	43	2,232	2,302	2,612	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	58	(826)	(905)	(1,216)	0.394	0.000	0.000	0.000	23	-	-	-
2	7	15	126	1,452	1,444	1,446	-	-	-	-	26	-	-	-	-	-	-	-	34	1,729	1,790	2,091	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	66	(309)	(378)	(679)	0.396	0.000	0.000	0.000	26	-	-	-
2	7	16	126	1,465	1,466	1,474	-	-	-	-	31	-	-	-	-	-	-	-	24	1,220	1,267	1,556	-	47	47	47	-	(1)	(1)	2	-	-	-	-	71	200	153	(131)	0.404	0.000	0.400	0.000	29	-	61	-
2	7	17	128	1,486	1,493	1,507	-	-	-	-	40	-	-	-	-	-	-	-	8	377	402	673	-	47	47	47	-	(2)	(1)	2	-	-	-	-	80	1,065	1,045	787	0.402	0.408	0.404	0.395	32	435	422	310
2	7	18	136	1,588	1,601	1,622	-	-	-	-	41	-	-	-	-	-	-	-	0	62	62	310	-	47	47	47	-	1	1	8	-	-	-	-	94	1,478	1,492	1,258	0.403	0.399	0.393	0.377	38	590	586	474
2	7	19	145	1,699	1,720	1,748	-	-	-	-	44	-	-	-	-	-	-	-	-	73	73	320	-	47	47	47	-	(0)	18	15	-	-	-	-	101	1,579	1,582	1,366	0.413	0.405	0.397	0.384	42	639	629	524
2	7	20	143	1,683	1,704	1,731	-	-	-	-	48	-	-	-	-	-	-	-	-	71	71	318	-	47	47	47	-	6	2	20	-	-	-	-	96	1,560	1,584	1,346	0.412	0.403	0.397	0.383	40	629	629	515
2	7	21	142	1,670	1,692	1,719	-	-	-	-	45	-	-	-	-	-	-	-	-	68	68	315	-	47	47	47	-	-	4	5	-	-	-	-	97	1,556	1,573	1,352	0.406	0.402	0.396	0.382	39	626	623	516
2	7	22	135	1,583	1,604	1,630	-	-	-	-	41	-	-	-	-	-	-	-	-	56	56	303	-	47	47	47	-	-	1	5	-	-	-	-	93	1,480	1,500	1,275	0.411	0.399	0.392	0.376	38	590	589	479
2	7	23	123	1,451	1,472	1,497	-	-	-	-	40	-	-	-	-	-	-	-	-	30	30	277	-	47	47	47	-	18	4	2	-	-	-	-	83	1,357	1,391	1,172	0.414	0.397	0.386	0.366	34	538	537	429
2	7	24	120	1,407	1,424	1,446	-	-	-	-	37	-	-	-	-	-	-	-	-	21	21	268	-	47	47	47	-	1	8	1	-	-	-	-	83	1,339	1,349	1,130	0.406	0.392	0.375	0.364	34	525	506	411
2	8	1	104	1,215	1,222	1,234	-	-	-	-	25	-	-	-	-	-	-	-	-	25	25	272	-	47	47	47	-	4	4	(1)	-	-	-	-	79	1,140	1,146	915	0.409	0.387	0.366	0.367	32	442	419	336
2	8	2	99	1,151	1,151	1,157	-	-	-	-	21	-	-	-	-	-	-	-	-	39	39	286	-	47	47	47	-	-	-	(1)	-	-	-	-	78	1,066	1,066	826	0.409	0.386	0.368	0.365	32	411	393	302
2	8	3	96	1,112	1,106	1,107	-	-	-	-	19	-	-	-	-	-	-	-	-	33	33	280	-	47	47	47	-	1	(2)	(2)	-	-	-	-	77	1,032	1,029	782	0.408	0.385	0.369	0.366	31	397	380	287
2	8	4	96	1,101	1,091	1,087	-	-	-	-	20	-	-	-	-	-	-	-	-	23	23	270	-	47	47	47	-	15	1	(4)	-	-	-	-	76	1,016	1,020	774	0.408	0.379	0.367	0.366	31	385	374	284
2	8	5	99	1,132	1,116	1,108	-	-	-	-	22	-	-	-	-	-	-	-	-	7	7	254	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,077	1,062	810	0.409	0.383	0.365	0.365	31	412	388	296
2	8	6	107	1,224	1,204	1,192	-	-	-	-	33	-	-	-	-	-	-	-	-	9	9	256	-	47	47	47	-	14	9	-	-	-	-	-	74	1,155	1,139	890	0.410	0.387	0.365	0.364	30	447	416	324
2	8	7	121	1,380	1,360	1,349	-	-	-	-	38	-	-	-	-	-	-	-	1	47	47	294	-	47	47	47	-	9	9	6	-	-	-	-	82	1,278	1,257	1,003	0.409	0.396	0.377	0.364	34	506	474	365
2	8	8	128	1,466	1,447	1,440	-	-	-	-	37	-	-	-	-	-	-	-	17	989	1,003	1,262	-	47	47	47	-	(4)	(1)	-	-	-	-	-	73	434	399	132	0.403	0.403	0.381	0.377	30	175	152	50
2	8	9	133	1,524	1,510	1,510	-	-	-	-	29	-	-	-	-	-	-	-	27	1,412	1,453	1,736	-	47	47	47	-	(3)	(2)	14	-	-	-	-	77	68	14	(287)	0.410	0.409	0.393	0.386	31	28	5	(111)
2	8	10	139	1,598	1,585	1,585	-	-	-	-	23	-	-	-	-	-	-	-	38	1,945	2,008	2,312	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	78	(386)	(468)	(754)	0.406	0.000	0.000	0.000	32	-	-	-
2	8	11	145	1,664	1,652	1,651	-	-	-	-	22	-	-	-	-	-	-	-	46	2,309	2,392	2,713	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	77	(674)	(771)	(1,092)	0.403	0.000	0.000	0.000	31	-	-	-
2	8	12	148	1,703	1,692	1,693	-	-	-	-	22	-	-	-	-	-	-	-	38	1,773	1,860	2,185	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	88	(102)	(199)	(521)	0.397	0.000	0.000	0.000	35	-	-	-
2	8	13	150	1,735	1,729	1,733	-	-	-	-	22	-	-	-	-	-	-	-	33	1,552	1,623	1,933	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	95	150	75	(230)	0.395	0.000	0.000	0.000	38	-	-	-
2	8	14	152	1,766	1,763	1,770	-	-	-	-	24	-	-	-	-	-	-	-	31	1,546	1,605	1,905	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	97	187	127	(166)	0.394	0.000	0.000	0.000	38	-	-	-
2	8	15	154	1,783	1,783	1,793	-	-	-	-	26	-	-	-	-	-	-	-	24	1,152	1,199	1,487	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	104	599	552	272	0.396	0.000	0.000	0.000	41	-	-	-
2	8	16	155	1,801	1,809	1,827	-	-	-	-	31	-	-	-	-	-	-	-	22	1,108	1,149	1,434	-	47	47	47	-	(1)	(1)	2	-	-	-	-	101	648	614	344	0.404	0.000	0.400	0.000	41	-	246	-
2	8	17	155	1,813	1,828	1,851	-	-	-	-	40	-	-	-	-	-	-	-	17	918	943	1,212	-	47	47	47	-	(2)	(1)	2	-	-	-	-	98	850	839	591	0.402	0.408	0.404	0.395	40	347	339	233
2	8	18	161	1,884	1,905	1,933	-	-	-	-	41	-	-	-	-	-	-	-	0	39	39	286	-	47	47	47	-	1	1	8	-	-	-	-	119	1,798	1,819	1,593	0.403	0.399	0.393	0.377	48	718	715	600
2	8	19	168	1,980	2,007	2,042	-	-	-	-	44	-	-	-	-	-	-	-	-	16	16	263	-	47	47	47	-	(0)	18	15	-	-	-	-	125	1,917	1,927	1,718	0.413	0.405	0.397	0.384	52	776	766	659
2	8	20	164	1,925	1,952	1,985	-	-	-	-	48	-	-	-	-	-	-	-	-	14	14	261	-	47	47	47	-	6	2	20	-	-	-	-	116	1,860	1,890	1,658	0.412	0.403	0.397	0.383	48	750	750	635
2	8	21	157	1,842	1,868	1,899	-	-	-	-	45	-	-	-	-	-	-	-	-	7	7	254	-	47	47	47	-	-	4	5	-	-	-	-	112	1,788	1,810	1,593	0.406	0.402	0.396	0.382	45	719	717	608
2	8	22	145	1,711	1,735	1,764	-	-	-	-	41	-	-	-	-	-	-	-	-	6	6	253	-	47	47	47	-	-	1	5	-	-	-	-	104	1,658	1,681	1,459	0.411	0.399	0.392	0.376	43	661	660	549
2	8	23	131	1,545	1,568	1,596	-	-	-	-	40	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	18	4	2	-	-	-	-	91	1,468	1,504	1,288	0.414	0.397	0.386	0.366	38	582	581	471
2	8	24	138	1,623	1,645	1,673	-	-	-	-	37	-	-	-	-	-	-	-	-	12	12	259	-	47	47	47	-	1	8	1	-	-	-	-	101	1,564	1,579	1,366	0.406	0.392	0.375	0.364	41	613	593	497
2	9	1	108	1,262	1,270	1,283	-	-	-	-	25	-	-	-	-	-	-	-	-	14	14	261	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,198	1,205	976	0.409	0.387	0.366	0.367	34	464	441	359
2	9	2	102	1,188	1,189	1,196	-	-	-	-	21	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,130	1,131	892	0.409	0.386	0.368	0.365	33	436	417	326
2	9	3	98	1,138	1,133	1,134	-	-	-	-	19	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,079	1,077	831	0.408	0.385	0.369	0.366	32	415	397	304
2	9	4	98	1,123	1,113	1,110	-	-	-	-	20	-	-	-	-	-	-	-	-	10	10	257	-	47	47	47	-	15	1	(4)	-	-	-	-	78	1,051	1,055	809	0.408	0.379	0.367	0.366	32	398	387	296
2	9	5	100	1,145	1,130	1,122	-	-	-	-	22	-	-	-	-	-	-	-	-	6	6	253	-	47	47	47	-	1	-	(3)	-	-	-	-	78	1,091	1,077	825	0.409	0.383	0.365	0.365	32	418	393	301
2	9	6	108	1,235	1,215	1,204	-	-	-	-	33	-	-	-	-	-	-	-	-	5	5	252	-	47	47	47	-	14	9	-	-	-	-	-	75	1,170	1,155	905	0.410	0.387	0.365	0.364	31	453	421	329
2	9	7	122	1,392	1,372	1,362	-	-	-	-	38	-	-	-	-	-	-	-	0	23	23	270	-	47	47	47	-	9	9	6	-	-	-	-	84	1,314	1,294	1,040	0.409	0.396	0.377	0.364	34	521	488	378
2	9	8	129	1,479	1,461	1,454	-	-	-	-	37	-	-	-	-	-	-	-	8	423	432	687	-	47	47	47	-	(4)	(1)	-	-	-	-	-	84	1,013	983	721	0.403	0.403	0.381	0.377	34	408	374	272
2	9	9	134	1,543	1,530	1,530	-	-	-	-	29	-	-	-	-	-	-	-	15	705	736	1,010	-	47	47	47	-	(3)	(2)	14	-	-	-	-	91	795	750	458	0.410	0.409	0.393	0.386	37	325	295	177
2	9	10	141	1,621	1,608	1,609	-	-	-	-	23	-	-	-	-	-	-	-	21	1,009	1,051	1,336	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	97	572	513	246	0.406	0.000	0.000	0.000	39	-	-	-
2	9	11	147	1,694	1,682	1,683	-	-	-	-	22	-	-	-	-	-	-	-	29	1,370	1,429	1,730	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	97	295	222	(77)	0.403	0.000	0.000	0.000	39	-	-	-
2	9	12	152	1,754	1,745	1,746	-	-	-	-	22	-	-	-	-	-	-	-	37	1,834	1,908	2,220	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	93	(113)	(194)	(503)	0.397	0.000	0.000	0.000	37	-	-	-
2	9	13	156	1,800	1,795	1,801	-	-	-	-	22	-	-	-	-	-	-	-	35	1,706	1,778	2,089	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	98	61	(14)	(318)	0.395	0.000	0.000	0.000	39	-	-	-
2	9	14	159	1,842	1,841	1,851	-	-	-	-	24	-	-	-	-	-	-	-	28	1,310	1,369	1,669	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	107	500	441	151	0.394	0.000	0.000	0.000	42	-	-	-
2	9	15	161	1,870	1,872	1,885	-	-	-	-	26	-	-	-	-	-	-	-	21	931	982	1,274	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	115	907	858	577	0.396	0.000	0.000	0.000	45	-	-	-
2	9	16	163	1,894	1,905	1,925	-	-	-	-	31	-	-	-	-	-	-	-	14	639	673	950	-	47	47	47	-	(1)	(1)	2	-	-	-	-	117	1,209	1,186	926	0.404	0.000	0.400	0.000	47	-	475	-
2	9	17	163	1,903	1,920	1,945	-	-	-	-	40	-	-	-	-	-	-	-	7	307	327	591	-	47	47	47	-	(2)	(1)	2	-	-	-	-	116	1,551	1,547	1,306	0.402	0.408	0.404	0.395	47	633	625	515
2	9	18	166	1,949	1,971	2,001	-	-	-	-	41	-	-	-	-	-	-	-	0	24	24	271	-	47	47	47	-	1	1	8	-	-	-	-	125	1,878	1,900	1,676	0.403	0.399	0.393	0.377	50	750	747	631
2	9	19	171	2,009	2,038	2,074	-	-	-	-	44	-	-	-	-	-	-	-	-	19	19	266	-	47	47	47	-	(0)	18	15	-	-	-	-	127	1,944	1,955	1,746	0.413	0.405	0.397	0.384	53	786	777	670
2	9	20	165	1,944	1,971	2,005	-	-	-	-	48	-	-	-	-	-	-	-	-	17	17	264	-	47	47	47	-	6	2	20	-	-	-	-	118	1,875	1,905	1,674	0.412	0.403	0.397	0.383	49	756	756	641
2	9	21	158	1,855	1,881	1,913	-	-	-	-	45	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	-	4	5	-	-	-	-	113	1,797	1,819	1,603	0.406	0.402	0.396	0.382	46	723	720	612
2	9	22	146	1,720	1,744	1,774	-	-	-	-	41	-	-	-	-	-	-	-	-	2	2	249	-	47	47	47	-	-	1	5	-	-	-	-	105	1,671	1,694	1,473	0.411	0.399	0.392	0.376	43	666	665	554
2	9	23	131	1,546	1,569	1,597	-	-	-	-	40	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	18	4	2	-	-	-	-	91	1,482	1,518	1,302	0.414	0.397	0.386	0.366	38	588	586	476
2	9	24	143	1,679	1,703	1,731	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	8	1	-	-	-	-	106	1,632	1,648	1,437	0.406	0.392	0.375	0.364	43	640	619	523
2	10	1	108	1,258	1,266	1,279	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,208	1,215	986	0.409	0.387	0.366	0.367	34	468	444	362
2	10	2	102	1,181	1,182	1,188	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,134	1,135	896	0.409	0.386	0.368	0.365	33	437	418	327
2	10	3	98	1,132	1,127	1,128	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,085	1,082	836	0.408	0.385	0.369	0.366	32	417	399	306

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	10	4	97	1,117	1,107	1,103	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,055	1,059	813	0.408	0.379	0.367	0.366	32	400	389	298
2	10	5	99	1,135	1,120	1,112	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,088	1,073	821	0.409	0.383	0.365	0.365	32	417	392	300
2	10	6	107	1,226	1,206	1,195	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	74	1,166	1,151	901	0.410	0.387	0.365	0.364	30	451	420	328
2	10	7	121	1,388	1,368	1,357	-	-	-	-	38	-	-	-	-	-	-	-	0	4	4	251	-	47	47	47	-	9	9	6	-	-	-	-	83	1,329	1,308	1,054	0.409	0.396	0.377	0.364	34	527	493	383
2	10	8	129	1,474	1,455	1,448	-	-	-	-	37	-	-	-	-	-	-	-	2	125	128	378	-	47	47	47	-	(4)	(1)	-	-	-	-	-	89	1,306	1,281	1,024	0.403	0.403	0.381	0.377	36	526	488	386
2	10	9	132	1,518	1,504	1,503	-	-	-	-	29	-	-	-	-	-	-	-	15	797	818	1,084	-	47	47	47	-	(3)	(2)	14	-	-	-	-	88	678	642	358	0.410	0.409	0.393	0.386	36	277	252	138
2	10	10	138	1,592	1,579	1,579	-	-	-	-	23	-	-	-	-	-	-	-	23	1,181	1,218	1,498	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	92	371	316	53	0.406	0.000	0.000	0.000	37	-	-	-
2	10	11	144	1,662	1,650	1,650	-	-	-	-	22	-	-	-	-	-	-	-	27	1,298	1,352	1,648	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	96	335	266	(29)	0.403	0.000	0.000	0.000	39	-	-	-
2	10	12	149	1,722	1,711	1,712	-	-	-	-	22	-	-	-	-	-	-	-	24	1,093	1,152	1,451	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	104	596	529	232	0.397	0.000	0.000	0.000	41	-	-	-
2	10	13	153	1,767	1,762	1,767	-	-	-	-	22	-	-	-	-	-	-	-	34	1,601	1,680	1,998	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	97	134	51	(262)	0.395	0.000	0.000	0.000	38	-	-	-
2	10	14	156	1,809	1,807	1,816	-	-	-	-	24	-	-	-	-	-	-	-	28	1,254	1,326	1,637	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	104	523	451	148	0.394	0.000	0.000	0.000	41	-	-	-
2	10	15	158	1,833	1,834	1,846	-	-	-	-	26	-	-	-	-	-	-	-	30	1,488	1,551	1,855	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	102	312	250	(43)	0.396	0.000	0.000	0.000	40	-	-	-
2	10	16	159	1,850	1,859	1,878	-	-	-	-	31	-	-	-	-	-	-	-	27	1,345	1,400	1,697	-	47	47	47	-	(1)	(1)	2	-	-	-	-	100	459	413	132	0.404	0.000	0.400	0.000	41	-	165	-
2	10	17	158	1,842	1,857	1,881	-	-	-	-	40	-	-	-	-	-	-	-	17	901	928	1,199	-	47	47	47	-	(2)	(1)	2	-	-	-	-	101	896	883	634	0.402	0.408	0.404	0.395	41	366	357	250
2	10	18	161	1,884	1,904	1,933	-	-	-	-	41	-	-	-	-	-	-	-	1	87	87	335	-	47	47	47	-	1	1	8	-	-	-	-	119	1,750	1,770	1,544	0.403	0.399	0.393	0.377	48	699	695	581
2	10	19	166	1,955	1,983	2,017	-	-	-	-	44	-	-	-	-	-	-	-	-	57	57	304	-	47	47	47	-	(0)	18	15	-	-	-	-	123	1,852	1,861	1,651	0.413	0.405	0.397	0.384	51	749	739	633
2	10	20	162	1,898	1,923	1,956	-	-	-	-	48	-	-	-	-	-	-	-	-	44	44	291	-	47	47	47	-	6	2	20	-	-	-	-	114	1,801	1,831	1,598	0.412	0.403	0.397	0.383	47	726	727	612
2	10	21	155	1,818	1,843	1,874	-	-	-	-	45	-	-	-	-	-	-	-	-	36	36	283	-	47	47	47	-	-	4	5	-	-	-	-	110	1,735	1,756	1,539	0.406	0.402	0.396	0.382	45	698	695	587
2	10	22	144	1,695	1,719	1,748	-	-	-	-	41	-	-	-	-	-	-	-	-	40	40	287	-	47	47	47	-	-	1	5	-	-	-	-	103	1,609	1,631	1,409	0.411	0.399	0.392	0.376	42	641	640	530
2	10	23	130	1,526	1,549	1,576	-	-	-	-	40	-	-	-	-	-	-	-	-	53	53	300	-	47	47	47	-	18	4	2	-	-	-	-	90	1,408	1,444	1,227	0.414	0.397	0.386	0.366	37	559	557	449
2	10	24	140	1,645	1,667	1,695	-	-	-	-	37	-	-	-	-	-	-	-	-	58	58	305	-	47	47	47	-	1	8	1	-	-	-	-	103	1,539	1,554	1,342	0.406	0.392	0.375	0.364	42	603	584	488
2	11	1	107	1,255	1,263	1,275	-	-	-	-	25	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,158	1,165	936	0.409	0.387	0.366	0.367	34	449	426	344
2	11	2	102	1,182	1,183	1,189	-	-	-	-	21	-	-	-	-	-	-	-	-	39	39	286	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,097	1,098	858	0.409	0.386	0.368	0.365	33	423	404	313
2	11	3	98	1,136	1,131	1,131	-	-	-	-	19	-	-	-	-	-	-	-	-	31	31	278	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,058	1,055	809	0.408	0.385	0.369	0.366	32	407	389	296
2	11	4	97	1,120	1,111	1,107	-	-	-	-	20	-	-	-	-	-	-	-	-	41	41	288	-	47	47	47	-	15	1	(4)	-	-	-	-	78	1,017	1,022	776	0.408	0.379	0.367	0.366	32	385	375	284
2	11	5	99	1,139	1,124	1,115	-	-	-	-	22	-	-	-	-	-	-	-	-	34	34	281	-	47	47	47	-	1	-	(3)	-	-	-	-	78	1,057	1,043	791	0.409	0.383	0.365	0.365	32	405	381	289
2	11	6	108	1,230	1,210	1,198	-	-	-	-	33	-	-	-	-	-	-	-	-	33	33	280	-	47	47	47	-	14	9	-	-	-	-	-	75	1,137	1,121	872	0.410	0.387	0.365	0.364	31	440	409	317
2	11	7	122	1,395	1,375	1,365	-	-	-	-	38	-	-	-	-	-	-	-	1	72	72	319	-	47	47	47	-	9	9	6	-	-	-	-	84	1,268	1,247	993	0.409	0.396	0.377	0.364	34	503	471	361
2	11	8	129	1,476	1,457	1,451	-	-	-	-	37	-	-	-	-	-	-	-	13	822	830	1,085	-	47	47	47	-	(4)	(1)	-	-	-	-	-	78	612	581	319	0.403	0.403	0.381	0.377	31	247	221	120
2	11	9	133	1,524	1,510	1,509	-	-	-	-	29	-	-	-	-	-	-	-	26	1,352	1,398	1,687	-	47	47	47	-	(3)	(2)	14	-	-	-	-	78	128	67	(239)	0.410	0.409	0.393	0.386	32	52	26	(92)
2	11	10	139	1,593	1,580	1,580	-	-	-	-	23	-	-	-	-	-	-	-	38	1,887	1,965	2,282	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	77	(333)	(430)	(729)	0.406	0.000	0.000	0.000	31	-	-	-
2	11	11	144	1,659	1,646	1,646	-	-	-	-	22	-	-	-	-	-	-	-	45	2,190	2,293	2,633	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	77	(560)	(678)	(1,017)	0.403	0.000	0.000	0.000	31	-	-	-
2	11	12	148	1,710	1,699	1,699	-	-	-	-	22	-	-	-	-	-	-	-	45	2,160	2,269	2,615	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	81	(483)	(601)	(944)	0.397	0.000	0.000	0.000	32	-	-	-
2	11	13	152	1,752	1,745	1,750	-	-	-	-	22	-	-	-	-	-	-	-	42	1,881	2,000	2,354	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	88	(162)	(286)	(634)	0.395	0.000	0.000	0.000	35	-	-	-
2	11	14	155	1,796	1,794	1,802	-	-	-	-	24	-	-	-	-	-	-	-	42	1,908	2,022	2,372	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	89	(144)	(259)	(600)	0.394	0.000	0.000	0.000	35	-	-	-
2	11	15	157	1,821	1,822	1,833	-	-	-	-	26	-	-	-	-	-	-	-	44	2,068	2,175	2,518	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	88	(279)	(386)	(719)	0.396	0.000	0.000	0.000	35	-	-	-
2	11	16	157	1,831	1,839	1,857	-	-	-	-	31	-	-	-	-	-	-	-	32	1,449	1,538	1,865	-	47	47	47	-	(1)	(1)	2	-	-	-	-	94	336	256	(56)	0.404	0.000	0.400	0.000	38	-	102	-
2	11	17	157	1,830	1,845	1,868	-	-	-	-	40	-	-	-	-	-	-	-	19	999	1,043	1,329	-	47	47	47	-	(2)	(1)	2	-	-	-	-	98	786	756	491	0.402	0.408	0.404	0.395	39	321	306	194
2	11	18	159	1,868	1,888	1,916	-	-	-	-	41	-	-	-	-	-	-	-	1	135	136	384	-	47	47	47	-	1	1	8	-	-	-	-	117	1,686	1,705	1,478	0.403	0.399	0.393	0.377	47	673	670	557
2	11	19	165	1,941	1,968	2,002	-	-	-	-	44	-	-	-	-	-	-	-	-	88	88	335	-	47	47	47	-	(0)	18	15	-	-	-	-	122	1,807	1,816	1,605	0.413	0.405	0.397	0.384	50	731	722	616
2	11	20	161	1,887	1,912	1,945	-	-	-	-	48	-	-	-	-	-	-	-	-	73	73	320	-	47	47	47	-	6	2	20	-	-	-	-	113	1,762	1,791	1,558	0.412	0.403	0.397	0.383	47	711	711	597
2	11	21	154	1,805	1,830	1,860	-	-	-	-	45	-	-	-	-	-	-	-	-	51	51	298	-	47	47	47	-	-	4	5	-	-	-	-	109	1,708	1,728	1,511	0.406	0.402	0.396	0.382	44	687	684	576
2	11	22	144	1,690	1,714	1,743	-	-	-	-	41	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	-	1	5	-	-	-	-	102	1,598	1,621	1,398	0.411	0.399	0.392	0.376	42	637	636	526
2	11	23	130	1,528	1,551	1,578	-	-	-	-	40	-	-	-	-	-	-	-	-	43	43	290	-	47	47	47	-	18	4	2	-	-	-	-	90	1,421	1,457	1,239	0.414	0.397	0.386	0.366	37	563	562	454
2	11	24	139	1,636	1,659	1,686	-	-	-	-	37	-	-	-	-	-	-	-	-	38	38	285	-	47	47	47	-	1	8	1	-	-	-	-	102	1,551	1,566	1,354	0.406	0.392	0.375	0.364	42	608	588	492
2	12	1	107	1,252	1,260	1,272	-	-	-	-	25	-	-	-	-	-	-	-	-	35	35	282	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,167	1,174	944	0.409	0.387	0.366	0.367	34	452	429	347
2	12	2	101	1,176	1,177	1,183	-	-	-	-	21	-	-	-	-	-	-	-	-	32	32	279	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,097	1,098	858	0.409	0.386	0.368	0.365	33	423	404	313
2	12	3	98	1,129	1,123	1,124	-	-	-	-	19	-	-	-	-	-	-	-	-	33	33	280	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,048	1,046	800	0.408	0.385	0.369	0.366	32	404	386	293
2	12	4	97	1,112	1,102	1,098	-	-	-	-	20	-	-	-	-	-	-	-	-	37	37	284	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,013	1,018	772	0.408	0.379	0.367	0.366	31	384	373	283
2	12	5	99	1,129	1,114	1,106	-	-	-	-	22	-	-	-	-	-	-	-	-	36	36	283	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,046	1,031	779	0.409	0.383	0.365	0.365	31	400	377	284
2	12	6	106	1,214	1,194	1,182	-	-	-	-	33	-	-	-	-	-	-	-	-	36	36	283	-	47	47	47	-	14	9	-	-	-	-	-	73	1,118	1,103	853	0.410	0.387	0.365	0.364	30	433	402	310
2	12	7	119	1,362	1,341	1,330	-	-	-	-	38	-	-	-	-	-	-	-	1	122	122	369	-	47	47	47	-	9	9	6	-	-	-	-	80	1,184	1,164	909	0.409	0.396	0.377	0.364	33	469	439	331
2	12	8	126	1,443	1,424	1,416	-	-	-	-	37	-	-	-	-	-	-	-	21	1,231	1,251	1,516	-	47	47	47	-	(4)	(1)	-	-	-	-	-	67	169	127	(146)	0.403	0.403	0.381	0.377	27	68	49	(55)
2	12	9	131	1,506	1,492	1,491	-	-	-	-	29	-	-	-	-	-	-	-	41	2,095	2,166	2,476	-	47	47	47	-	(3)	(2)	14	-	-	-	-	61	(633)	(718)	(1,046)	0.410	0.409	0.393	0.386	25	(259)	(282)	(404)
2	12	10	137	1,569	1,556	1,555	-	-	-	-	23	-	-	-	-	-	-	-	54	2,601	2,714	3,062	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	59	(1,071)	(1,202)	(1,534)	0.406	0.000	0.000	0.000	24	-	-	-
2	12	11	141	1,624	1,611	1,610	-	-	-	-	22	-	-	-	-	-	-	-	59	2,750	2,887	3,257	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	60	(1,155)	(1,307)	(1,677)	0.403	0.000	0.000	0.000	24	-	-	-
2	12	12	145	1,668	1,656	1,656	-	-	-	-	22	-	-	-	-	-	-	-	63	2,812	2,971	3,360	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	60	(1,176)	(1,345)	(1,733)	0.397	0.000	0.000	0.000	24	-	-	-
2	12	13	148	1,706	1,700	1,703	-	-	-	-	22	-	-	-	-	-	-	-	61	2,789	2,938	3,318	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	65	(1,115)	(1,269)	(1,645)	0.395	0.000	0.000	0.000	26	-	-	-
2	12	14	150	1,737	1,733	1,740	-	-	-	-	24	-	-	-	-	-	-	-	60	2,773	2,913	3,286	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	66	(1,068)	(1,211)	(1,577)	0.394	0.000	0.000	0.000	26	-	-	-
2	12	15	152	1,760	1,760	1,770	-	-	-	-	26	-	-	-	-	-	-	-	53	2,517	2,640	2,997	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	72	(790)	(913)	(1,261)	0.396	0.000	0.000	0.000	29	-	-	-
2	12	16	152	1,768	1,775	1,792	-	-	-	-	31	-	-	-	-	-	-	-	41	1,961	2,053	2,382	-	47	47	47	-	(1)	(1)	2	-	-	-	-	80	(239)	(323)	(639)	0.404	0.000	0.400	0.000	32	-	(129)	-
2	12	17	150	1,755	1,768	1,790	-	-	-	-	40	-	-	-	-	-	-	-	20	1,039	1,077	1,358	-	47	47	47	-	(2)	(1)	2	-	-	-	-	91	671	645	384	0.402	0.408	0.404	0.395	36	274	261	151
2	12	18	154	1,803	1,822	1,848	-	-	-	-	41	-	-	-	-	-	-	-	1	102	103	351	-	47	47	47	-	1	1	8	-	-	-	-	112	1,653	1,671	1,443	0.403	0.399	0.393	0.377	45	660	657	543
2	12	19	160	1,879	1,905	1,937	-	-	-	-	44	-	-	-	-	-	-	-	-	63	63	310	-	47	47	47	-	(0)	18	15	-	-	-	-	116	1,770	1,777	1,565	0.413	0.405	0.397	0.384	48	716	706	600
2	12	20	155	1,818	1,842	1,872	-	-	-	-	48	-	-	-	-	-	-	-	-	60	60	307	-	47	47	47	-	6	2	20	-	-	-	-	107	1,706	1,733	1,499	0.412	0.403	0.397	0.383	44	688	688	574
2	12	21	148	1,743	1,766	1,795	-	-	-	-	45	-	-	-	-	-	-	-	-	51	51	298	-	47	47	47	-	-	4	5	-	-	-	-	103	1,645	1,664	1,445	0.406	0.402	0.396	0.382	42	661	659	551
2	12	22	140	1,647	1,670	1,698	-	-	-	-	41	-	-	-	-	-	-	-	-	52	52	299	-	47	47	47	-	-	1	5	-	-	-	-	99	1,549	1,570	1,347	0.411	0.399	0.392	0.376	41	617	616	506
2	12	23	128	1,512	1,534	1,561	-	-	-	-	40	-	-	-	-	-	-	-	-	51	51	298	-	47	47	47	-	18	4	2	-	-	-	-	88	1,396	1,432	1,214	0.414	0.397	0.386	0.366	37	554	553	444
2	12	24	137	1,607	1,628	1,655	-	-	-	-	37	-	-	-	-	-	-	-	-	49	49	296	-	47	47	47	-	1	8	1	-	-	-	-	100	1,509	1,524	1,311	0.406	0.392	0.375	0.364	41	592	572	477
2	13	1	107	1,248	1,255	1,268	-	-	-	-	25	-	-	-	-	-	-	-	-	54	54	301	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,143	1,150	920	0.409	0.387	0.366	0.367	34	443	421	338
2	13	2	101	1,169	1,170	1,176	-	-	-	-	21	-	-	-	-	-	-	-	-	49	49	296	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,073	1,074	834	0.409	0.386	0.368	0.365	33	414	396	305
2	13	3	97	1,115	1,110	1,110	-	-	-	-	19	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	1	(2)	(2)	-	-	-	-	77	1,023	1,021	774	0.408	0.385	0.369	0.366	32	394	377	284
2	13	4	94	1,076	1,066	1,061	-	-	-	-	20	-	-	-	-	-	-	-	-	42	42	289	-	47	47	47	-	15	1	(4)	-	-	-	-	74	972	975	728	0.408	0.379	0.367	0.366	30	368	358	267
2	13	5	94	1,072	1,055	1,045	-	-	-	-	22	-	-	-	-	-	-	-	-	44	44	291	-	47	47	47	-	1	-	(3)	-	-	-	-	72	981	965	711	0.409	0.383	0.365	0.365	29	376	352	260
2	13	6	97	1,108	1,085	1,071	-	-	-	-	33	-	-	-	-	-	-	-	-	56	56	303	-	47	47	47	-	14	9	-	-	-	-	-	64	992	973	721	0.410	0.387	0.365	0.364	26	384	355	262
2	13	7	103	1,166	1,141	1,125	-	-	-	-	38	-	-	-	-	-	-	-	2	179	179	426	-	47	47	47	-	9	9	6	-	-	-	-	63	932	906	647	0.409	0.396	0.377	0.364	26	369	342	235
2	13	8	106	1,208	1,183	1,169	-	-	-	-	37	-	-	-	-	-	-	-	21	1,255	1,274	1,538	-	47	47	47	-	(4)	(1)	-	-	-	-	-	48	(90)	(137)	(415)	0.403	0.403	0.381	0.377	19	(36)	(52)	(157)
2	13	9	113	1,294	1,274	1,267	-	-	-	-	29	-	-	-	-	-	-	-	39	2,081	2,146	2,451	-	47	47	47	-	(3)	(2)	14	-	-	-	-	45	(831)	(916)	(1,244)	0.410	0.409	0.393	0.386	18	(340)	(360)	(480)
2	13	10	120	1,370	1,352	1,346	-	-	-	-	23	-	-	-	-	-	-	-	46	2,283	2,377	2,709	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	51	(952)	(1,070)	(1,391)	0.406	0.000	0.000	0.000	21	-	-	-
2	13	11	124	1,418	1,400	1,393	-	-	-	-	22	-	-	-	-	-	-	-	54	2,702	2,808	3,150	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	48	(1,313)	(1,439)	(1,788)	0.403	0.000	0.000	0.000	19	-	-	-
2	13	12	126	1,446	1,429	1,423	-	-	-	-	22	-	-	-	-	-	-	-	52	2,528	2,638	2,984	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	52	(1,115)	(1,240)	(1,590)	0.397	0.000	0.000	0.000	21	-	-	-
2	13	13	127	1,459	1,446	1,443	-	-	-	-	22	-	-	-	-	-	-	-	48	2,394	2,487	2,818	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	57	(967)	(1,072)	(1,404)	0.395	0.000	0.000	0.000	23	-	-	-
2	13	14	126	1,455	1,445	1,444	-	-	-	-	24	-	-	-	-	-	-	-	43	2,152	2,242	2,569	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	59	(729)	(828)	(1,156)	0.394	0.000	0.000	0.000	23	-	-	-
2	13	15	126	1,449	1,442	1,443	-	-	-	-	26	-	-	-	-	-	-	-	35	1,674	1,758	2,081	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	65	(257)	(350)	(671)	0.396	0.000	0.000	0.000	26	-	-	-
2	13	16	126	1,458	1,458	1,467	-	-	-	-	31	-	-	-	-	-	-	-	37	1,892	1,966	2,278	-	47	47	47	-	(1)	(1)	2	-	-	-	-	57	(480)	(553)	(860)	0.404	0.000	0.400	0.000	23	-	(221)	-
2	13	17	127	1,480	1,487	1,501	-	-	-	-	40	-	-	-	-	-	-	-	22	1,187	1,226	1,508	-	47	47	47	-	(2)	(1)	2	-	-	-	-	65	248	215	(55)	0.402	0.408	0.404	0.395	26	101	87	(22)
2	13	18	135	1,581	1,594	1,614	-	-	-	-	41	-	-	-	-	-	-	-	1	142	143	391	-	47	47	47	-	1	1	8	-	-	-	-	93	1,391	1,404	1,169	0.403	0.399	0.393	0.377	37	556	552	440
2	13	19	145	1,705	1,726	1,754	-	-	-	-	44	-	-	-	-	-	-	-	-	86	86	333	-	47	47	47	-	(0)	18	15	-	-	-	-	102	1,572	1,575	1,359	0.413	0.405	0.397	0.384	42	636	626	521
2	13	20	143	1,678	1,699	1,726	-	-	-	-	48	-	-	-	-	-	-	-	-	93	93	340	-	47	47	47	-	6	2	20	-	-	-	-	95	1,533	1,557	1,319	0.412	0.403	0.397	0.383	39	618	618	505
2	13	21	139	1,627	1,648	1,674	-	-	-	-	45	-	-	-	-	-	-	-	-	86	86	333	-	47	47	47	-	-	4	5	-	-	-	-	94	1,494	1,510	1,288	0.406	0.402	0.396	0.382	38	601	598	492
2	13	22	132	1,548	1,568	1,594	-	-	-	-	41	-	-	-	-	-	-	-	-	86	86	333	-	47	47	47	-	-	1	5	-	-	-	-	90	1,415	1,434	1,208	0.411	0.399	0.392	0.376	37	564	563	454
2	13	23	123	1,446	1,467	1,492	-	-	-	-	40	-	-	-	-	-	-	-	-	81	81	328	-	47	47	47	-	18	4	2	-	-	-	-	83	1,301	1,335	1,115	0.414	0.397	0.386	0.366	34	516	515	408
2	13	24	122	1,434	1,452	1,474	-	-	-	-	37	-	-	-	-	-	-	-	-	66	66	313	-	47	47	47	-	1	8	1	-	-	-	-	85	1,321	1,332	1,114	0.406	0.392	0.375	0.364	35	518	500	405
2	14	1	105	1,230	1,237	1,249	-	-	-	-	25	-	-	-	-	-	-	-	-	66	66	313	-	47	47	47	-	4	4	(1)	-	-	-	-	81	1,113	1,119	890	0.409	0.387	0.366	0.367	33	431	409	327
2	14	2	99	1,155	1,155	1,161	-	-	-	-	21	-	-	-	-	-	-	-	-	65	65	312	-	47	47	47	-	-	-	(1)	-	-	-	-	79	1,043	1,044	803	0.409	0.386	0.368	0.365	32	402	384	293
2	14	3	96	1,105	1,099	1,099	-	-	-	-	19	-	-	-	-	-	-	-	-	55	55	302	-	47	47	47	-	1	(2)	(2)	-	-	-	-	77	1,002	999	752	0.408	0.385	0.369	0.366	31	386	368	275
2	14	4	94	1,076	1,066	1,061	-	-	-	-	20	-	-	-	-	-	-	-	-	51	51	298	-	47	47	47	-	15	1	(4)	-	-	-	-	74	964	967	720	0.408	0.379	0.367	0.366	30	365	355	264
2	14	5	93	1,064	1,047	1,037	-	-	-	-	22	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	1	-	(3)	-	-	-	-	71	971	956	702	0.409	0.383	0.365	0.365	29	372	349	256
2	14	6	95	1,078	1,055	1,039	-	-	-	-	33	-	-	-	-	-	-	-	-	37	37	284	-	47	47	47	-	14	9	-	-	-	-	-	62	981	963	709	0.410	0.387	0.365	0.364	25	380	351	258
2	14	7	98	1,114	1,087	1,070	-	-	-	-	38	-	-	-	-	-	-	-	3	248	248	495	-	47	47	47	-	9	9	6	-	-	-	-	57	810	784	522	0.409	0.396	0.377	0.364	23	321	296	190
2	14	8	101	1,141	1,115	1,099	-	-	-	-	37	-	-	-	-	-	-	-	23	1,276	1,298	1,564	-	47	47	47	-	(4)	(1)	-	-	-	-	-	41	(178)	(229)	(512)	0.403	0.403	0.381	0.377	16	(72)	(87)	(193)
2	14	9	106	1,210	1,189	1,180	-	-	-	-	29	-	-	-	-	-	-	-	44	2,173	2,256	2,577	-	47	47	47	-	(3)	(2)	14	-	-	-	-	34	(1,007)	(1,111)	(1,458)	0.410	0.409	0.393	0.386	14	(412)	(437)	(563)
2	14	10	112	1,273	1,252	1,244	-	-	-	-	23	-	-	-	-	-	-	-	58	2,738	2,872	3,239	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	30	(1,505)	(1,664)	(2,022)	0.406	0.000	0.000	0.000	12	-	-	-
2	14	11	115	1,316	1,295	1,286	-	-	-	-	22	-	-	-	-	-	-	-	64	2,861	3,027	3,422	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	30	(1,574)	(1,762)	(2,166)	0.403	0.000	0.000	0.000	12	-	-	-
2	14	12	118	1,351	1,332	1,324	-	-	-	-	22	-	-	-	-	-	-	-	67	2,923	3,106	3,518	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	29	(1,604)	(1,805)	(2,223)	0.397	0.000	0.000	0.000	12	-	-	-
2	14	13	120	1,377	1,362	1,357	-	-	-	-	22	-	-	-	-	-	-	-	67	2,924	3,108	3,520	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	31	(1,580)	(1,777)	(2,194)	0.395	0.000	0.000	0.000	12	-	-	-
2	14	14	121	1,394	1,382	1,380	-	-	-	-	24	-	-	-	-	-	-	-	65	2,897	3,074	3,478	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	32	(1,536)	(1,722)	(2,129)	0.394	0.000	0.000	0.000	12	-	-	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	14	15	123	1,415	1,406	1,407	-	-	-	-	26	-	-	-	-	-	-	-	61	2,806	2,953	3,332	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	36	(1,423)	(1,580)	(1,959)	0.396	0.000	0.000	0.000	14	-	-	-
2	14	16	124	1,439	1,439	1,447	-	-	-	-	31	-	-	-	-	-	-	-	49	2,357	2,467	2,812	-	47	47	47	-	(1)	(1)	2	-	-	-	-	44	(964)	(1,074)	(1,415)	0.404	0.000	0.400	0.000	18	-	(430)	-
2	14	17	127	1,476	1,483	1,497	-	-	-	-	40	-	-	-	-	-	-	-	26	1,340	1,392	1,686	-	47	47	47	-	(2)	(1)	2	-	-	-	-	61	92	45	(237)	0.402	0.408	0.404	0.395	24	37	18	(93)
2	14	18	136	1,587	1,600	1,621	-	-	-	-	41	-	-	-	-	-	-	-	1	137	139	387	-	47	47	47	-	1	1	8	-	-	-	-	93	1,402	1,414	1,179	0.403	0.399	0.393	0.377	38	560	556	444
2	14	19	147	1,730	1,752	1,780	-	-	-	-	44	-	-	-	-	-	-	-	-	48	48	295	-	47	47	47	-	(0)	18	15	-	-	-	-	104	1,635	1,639	1,423	0.413	0.405	0.397	0.384	43	661	651	546
2	14	20	146	1,709	1,731	1,758	-	-	-	-	48	-	-	-	-	-	-	-	-	35	35	282	-	47	47	47	-	6	2	20	-	-	-	-	98	1,622	1,647	1,409	0.412	0.403	0.397	0.383	40	654	654	540
2	14	21	141	1,659	1,681	1,708	-	-	-	-	45	-	-	-	-	-	-	-	-	18	18	265	-	47	47	47	-	-	4	5	-	-	-	-	96	1,594	1,611	1,390	0.406	0.402	0.396	0.382	39	641	638	530
2	14	22	134	1,573	1,594	1,620	-	-	-	-	41	-	-	-	-	-	-	-	-	8	8	255	-	47	47	47	-	-	1	5	-	-	-	-	93	1,518	1,538	1,312	0.411	0.399	0.392	0.376	38	605	603	493
2	14	23	125	1,465	1,486	1,512	-	-	-	-	40	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	18	4	2	-	-	-	-	84	1,400	1,434	1,215	0.414	0.397	0.386	0.366	35	555	554	445
2	14	24	119	1,393	1,409	1,431	-	-	-	-	37	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	1	8	1	-	-	-	-	82	1,345	1,355	1,136	0.406	0.392	0.375	0.364	33	527	509	413
2	15	1	105	1,227	1,235	1,246	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	4	4	(1)	-	-	-	-	80	1,177	1,183	954	0.409	0.387	0.366	0.367	33	456	433	350
2	15	2	100	1,158	1,159	1,164	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	79	1,112	1,112	872	0.409	0.386	0.368	0.365	32	429	410	319
2	15	3	96	1,110	1,104	1,104	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	77	1,062	1,059	813	0.408	0.385	0.369	0.366	31	409	391	298
2	15	4	95	1,092	1,081	1,077	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	75	1,030	1,034	787	0.408	0.379	0.367	0.366	31	390	379	288
2	15	5	96	1,104	1,088	1,079	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	75	1,057	1,042	789	0.409	0.383	0.365	0.365	31	405	381	288
2	15	6	102	1,167	1,146	1,132	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	69	1,107	1,090	839	0.410	0.387	0.365	0.364	28	428	398	305
2	15	7	110	1,257	1,234	1,220	-	-	-	-	38	-	-	-	-	-	-	-	4	226	226	473	-	47	47	47	-	9	9	6	-	-	-	-	69	976	953	695	0.409	0.396	0.377	0.364	28	387	359	253
2	15	8	116	1,327	1,305	1,295	-	-	-	-	37	-	-	-	-	-	-	-	25	1,388	1,413	1,682	-	47	47	47	-	(4)	(1)	-	-	-	-	-	54	(104)	(153)	(434)	0.403	0.403	0.381	0.377	22	(42)	(58)	(164)
2	15	9	126	1,443	1,427	1,424	-	-	-	-	29	-	-	-	-	-	-	-	44	2,161	2,245	2,566	-	47	47	47	-	(3)	(2)	14	-	-	-	-	53	(762)	(861)	(1,203)	0.410	0.409	0.393	0.386	22	(312)	(339)	(464)
2	15	10	135	1,546	1,533	1,531	-	-	-	-	23	-	-	-	-	-	-	-	57	2,641	2,773	3,137	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	55	(1,134)	(1,285)	(1,633)	0.406	0.000	0.000	0.000	22	-	-	-
2	15	11	142	1,630	1,617	1,616	-	-	-	-	22	-	-	-	-	-	-	-	63	2,809	2,971	3,362	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	57	(1,207)	(1,384)	(1,776)	0.403	0.000	0.000	0.000	23	-	-	-
2	15	12	147	1,694	1,683	1,684	-	-	-	-	22	-	-	-	-	-	-	-	66	2,860	3,039	3,446	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	59	(1,198)	(1,386)	(1,791)	0.397	0.000	0.000	0.000	23	-	-	-
2	15	13	151	1,742	1,736	1,741	-	-	-	-	22	-	-	-	-	-	-	-	66	2,868	3,049	3,459	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	62	(1,158)	(1,344)	(1,748)	0.395	0.000	0.000	0.000	25	-	-	-
2	15	14	155	1,792	1,790	1,798	-	-	-	-	24	-	-	-	-	-	-	-	65	2,844	3,017	3,420	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	66	(1,085)	(1,258)	(1,652)	0.394	0.000	0.000	0.000	26	-	-	-
2	15	15	158	1,835	1,837	1,849	-	-	-	-	26	-	-	-	-	-	-	-	61	2,759	2,913	3,298	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	71	(956)	(1,109)	(1,484)	0.396	0.000	0.000	0.000	28	-	-	-
2	15	16	161	1,875	1,885	1,905	-	-	-	-	31	-	-	-	-	-	-	-	50	2,291	2,409	2,762	-	47	47	47	-	(1)	(1)	2	-	-	-	-	80	(462)	(570)	(906)	0.404	0.000	0.400	0.000	32	-	(228)	-
2	15	17	162	1,891	1,908	1,933	-	-	-	-	40	-	-	-	-	-	-	-	26	1,228	1,287	1,586	-	47	47	47	-	(2)	(1)	2	-	-	-	-	96	618	575	299	0.402	0.408	0.404	0.395	39	252	232	118
2	15	18	165	1,930	1,951	1,981	-	-	-	-	41	-	-	-	-	-	-	-	1	80	82	331	-	47	47	47	-	1	1	8	-	-	-	-	122	1,802	1,822	1,596	0.403	0.399	0.393	0.377	49	720	716	601
2	15	19	171	2,012	2,040	2,076	-	-	-	-	44	-	-	-	-	-	-	-	-	2	2	249	-	47	47	47	-	(0)	18	15	-	-	-	-	127	1,964	1,974	1,766	0.413	0.405	0.397	0.384	53	794	784	677
2	15	20	166	1,948	1,975	2,009	-	-	-	-	48	-	-	-	-	-	-	-	-	7	7	254	-	47	47	47	-	6	2	20	-	-	-	-	118	1,889	1,920	1,689	0.412	0.403	0.397	0.383	49	762	762	647
2	15	21	158	1,859	1,885	1,917	-	-	-	-	45	-	-	-	-	-	-	-	-	18	18	265	-	47	47	47	-	-	4	5	-	-	-	-	113	1,794	1,816	1,600	0.406	0.402	0.396	0.382	46	722	719	611
2	15	22	147	1,732	1,757	1,787	-	-	-	-	41	-	-	-	-	-	-	-	-	22	22	269	-	47	47	47	-	-	1	5	-	-	-	-	106	1,663	1,687	1,465	0.411	0.399	0.392	0.376	44	663	662	551
2	15	23	133	1,562	1,585	1,614	-	-	-	-	40	-	-	-	-	-	-	-	-	23	23	270	-	47	47	47	-	18	4	2	-	-	-	-	93	1,474	1,511	1,295	0.414	0.397	0.386	0.366	38	585	583	474
2	15	24	140	1,650	1,672	1,700	-	-	-	-	37	-	-	-	-	-	-	-	-	21	21	268	-	47	47	47	-	1	8	1	-	-	-	-	104	1,581	1,597	1,384	0.406	0.392	0.375	0.364	42	620	599	504
2	16	1	110	1,280	1,288	1,302	-	-	-	-	25	-	-	-	-	-	-	-	-	20	20	267	-	47	47	47	-	4	4	(1)	-	-	-	-	85	1,209	1,217	988	0.409	0.387	0.366	0.367	35	469	445	363
2	16	2	103	1,198	1,199	1,206	-	-	-	-	21	-	-	-	-	-	-	-	-	14	14	261	-	47	47	47	-	-	-	(1)	-	-	-	-	82	1,136	1,138	899	0.409	0.386	0.368	0.365	34	438	419	328
2	16	3	99	1,148	1,143	1,144	-	-	-	-	19	-	-	-	-	-	-	-	-	7	7	254	-	47	47	47	-	1	(2)	(2)	-	-	-	-	80	1,094	1,092	846	0.408	0.385	0.369	0.366	33	421	403	310
2	16	4	98	1,124	1,115	1,111	-	-	-	-	20	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	15	1	(4)	-	-	-	-	78	1,059	1,064	818	0.408	0.379	0.367	0.366	32	401	390	300
2	16	5	100	1,145	1,130	1,122	-	-	-	-	22	-	-	-	-	-	-	-	-	4	4	251	-	47	47	47	-	1	-	(3)	-	-	-	-	78	1,093	1,079	827	0.409	0.383	0.365	0.365	32	419	394	302
2	16	6	108	1,234	1,214	1,203	-	-	-	-	33	-	-	-	-	-	-	-	-	5	5	252	-	47	47	47	-	14	9	-	-	-	-	-	75	1,169	1,154	904	0.410	0.387	0.365	0.364	31	452	421	329
2	16	7	120	1,378	1,357	1,347	-	-	-	-	38	-	-	-	-	-	-	-	5	322	322	569	-	47	47	47	-	9	9	6	-	-	-	-	78	1,001	980	726	0.409	0.396	0.377	0.364	32	397	370	264
2	16	8	128	1,463	1,445	1,438	-	-	-	-	37	-	-	-	-	-	-	-	26	1,434	1,459	1,729	-	47	47	47	-	(4)	(1)	-	-	-	-	-	65	(13)	(60)	(338)	0.403	0.403	0.381	0.377	26	(5)	(23)	(127)
2	16	9	134	1,541	1,528	1,527	-	-	-	-	29	-	-	-	-	-	-	-	44	2,196	2,280	2,602	-	47	47	47	-	(3)	(2)	14	-	-	-	-	61	(698)	(797)	(1,136)	0.410	0.409	0.393	0.386	25	(286)	(313)	(438)
2	16	10	142	1,637	1,626	1,627	-	-	-	-	23	-	-	-	-	-	-	-	57	2,644	2,775	3,139	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	62	(1,046)	(1,194)	(1,540)	0.406	0.000	0.000	0.000	25	-	-	-
2	16	11	150	1,732	1,721	1,723	-	-	-	-	22	-	-	-	-	-	-	-	63	2,813	2,973	3,364	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	66	(1,110)	(1,283)	(1,671)	0.403	0.000	0.000	0.000	26	-	-	-
2	16	12	157	1,808	1,800	1,803	-	-	-	-	22	-	-	-	-	-	-	-	66	2,873	3,051	3,458	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	69	(1,097)	(1,282)	(1,684)	0.397	0.000	0.000	0.000	27	-	-	-
2	16	13	162	1,870	1,867	1,875	-	-	-	-	22	-	-	-	-	-	-	-	66	2,891	3,073	3,484	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	73	(1,053)	(1,237)	(1,639)	0.395	0.000	0.000	0.000	29	-	-	-
2	16	14	167	1,934	1,935	1,947	-	-	-	-	24	-	-	-	-	-	-	-	65	2,878	3,052	3,455	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	78	(977)	(1,147)	(1,538)	0.394	0.000	0.000	0.000	31	-	-	-
2	16	15	170	1,981	1,986	2,002	-	-	-	-	26	-	-	-	-	-	-	-	61	2,744	2,900	3,288	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	84	(795)	(947)	(1,320)	0.396	0.000	0.000	0.000	33	-	-	-
2	16	16	172	2,011	2,025	2,048	-	-	-	-	31	-	-	-	-	-	-	-	49	2,271	2,391	2,745	-	47	47	47	-	(1)	(1)	2	-	-	-	-	92	(305)	(412)	(747)	0.404	0.000	0.400	0.000	37	-	(165)	-
2	16	17	171	2,001	2,020	2,048	-	-	-	-	40	-	-	-	-	-	-	-	27	1,328	1,385	1,683	-	47	47	47	-	(2)	(1)	2	-	-	-	-	104	628	590	317	0.402	0.408	0.404	0.395	42	256	238	125
2	16	18	170	1,994	2,017	2,048	-	-	-	-	41	-	-	-	-	-	-	-	2	127	129	378	-	47	47	47	-	1	1	8	-	-	-	-	127	1,819	1,841	1,616	0.403	0.399	0.393	0.377	51	727	723	609
2	16	19	174	2,049	2,078	2,115	-	-	-	-	44	-	-	-	-	-	-	-	-	25	25	272	-	47	47	47	-	(0)	18	15	-	-	-	-	131	1,977	1,989	1,781	0.413	0.405	0.397	0.384	54	800	790	683
2	16	20	168	1,977	2,004	2,039	-	-	-	-	48	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	6	2	20	-	-	-	-	121	1,879	1,910	1,680	0.412	0.403	0.397	0.383	50	758	758	643
2	16	21	160	1,877	1,903	1,936	-	-	-	-	45	-	-	-	-	-	-	-	-	55	55	302	-	47	47	47	-	-	4	5	-	-	-	-	115	1,775	1,797	1,582	0.406	0.402	0.396	0.382	47	714	712	603
2	16	22	147	1,733	1,758	1,788	-	-	-	-	41	-	-	-	-	-	-	-	-	47	47	294	-	47	47	47	-	-	1	5	-	-	-	-	106	1,640	1,663	1,442	0.411	0.399	0.392	0.376	44	654	653	542
2	16	23	132	1,558	1,582	1,610	-	-	-	-	40	-	-	-	-	-	-	-	-	48	48	295	-	47	47	47	-	18	4	2	-	-	-	-	92	1,446	1,483	1,266	0.414	0.397	0.386	0.366	38	574	572	464
2	16	24	147	1,726	1,751	1,780	-	-	-	-	37	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	1	8	1	-	-	-	-	110	1,632	1,650	1,440	0.406	0.392	0.375	0.364	45	640	619	524
2	17	1	109	1,270	1,279	1,292	-	-	-	-	25	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	4	4	(1)	-	-	-	-	84	1,174	1,181	952	0.409	0.387	0.366	0.367	34	455	432	350
2	17	2	103	1,192	1,193	1,200	-	-	-	-	21	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	-	-	(1)	-	-	-	-	82	1,100	1,102	863	0.409	0.386	0.368	0.365	33	424	406	315
2	17	3	99	1,144	1,139	1,140	-	-	-	-	19	-	-	-	-	-	-	-	-	50	50	297	-	47	47	47	-	1	(2)	(2)	-	-	-	-	80	1,046	1,044	799	0.408	0.385	0.369	0.366	33	403	385	292
2	17	4	98	1,123	1,113	1,110	-	-	-	-	20	-	-	-	-	-	-	-	-	43	43	290	-	47	47	47	-	15	1	(4)	-	-	-	-	78	1,017	1,022	776	0.408	0.379	0.367	0.366	32	386	375	284
2	17	5	99	1,136	1,121	1,113	-	-	-	-	22	-	-	-	-	-	-	-	-	30	30	277	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,059	1,045	793	0.409	0.383	0.365	0.365	32	406	382	289
2	17	6	107	1,220	1,200	1,188	-	-	-	-	33	-	-	-	-	-	-	-	-	23	23	270	-	47	47	47	-	14	9	-	-	-	-	-	74	1,138	1,122	872	0.410	0.387	0.365	0.364	30	440	409	317
2	17	7	119	1,362	1,341	1,330	-	-	-	-	38	-	-	-	-	-	-	-	6	399	399	646	-	47	47	47	-	9	9	6	-	-	-	-	75	907	886	631	0.409	0.396	0.377	0.364	31	360	334	230
2	17	8	126	1,444	1,425	1,417	-	-	-	-	37	-	-	-	-	-	-	-	26	1,443	1,469	1,740	-	47	47	47	-	(4)	(1)	-	-	-	-	-	63	(42)	(91)	(370)	0.403	0.403	0.381	0.377	25	(17)	(35)	(140)
2	17	9	131	1,507	1,493	1,491	-	-	-	-	29	-	-	-	-	-	-	-	45	2,179	2,268	2,594	-	47	47	47	-	(3)	(2)	14	-	-	-	-	58	(715)	(819)	(1,164)	0.410	0.409	0.393	0.386	24	(293)	(322)	(449)
2	17	10	138	1,588	1,575	1,575	-	-	-	-	23	-	-	-	-	-	-	-	57	2,632	2,768	3,138	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	58	(1,083)	(1,238)	(1,590)	0.406	0.000	0.000	0.000	23	-	-	-
2	17	11	143	1,646	1,633	1,632	-	-	-	-	22	-	-	-	-	-	-	-	64	2,846	3,014	3,411	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	57	(1,229)	(1,412)	(1,809)	0.403	0.000	0.000	0.000	23	-	-	-
2	17	12	146	1,680	1,668	1,668	-	-	-	-	22	-	-	-	-	-	-	-	66	2,897	3,079	3,489	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	57	(1,249)	(1,441)	(1,850)	0.397	0.000	0.000	0.000	23	-	-	-
2	17	13	147	1,696	1,688	1,691	-	-	-	-	22	-	-	-	-	-	-	-	67	2,903	3,088	3,501	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	58	(1,240)	(1,430)	(1,839)	0.395	0.000	0.000	0.000	23	-	-	-
2	17	14	147	1,700	1,695	1,701	-	-	-	-	24	-	-	-	-	-	-	-	66	2,881	3,058	3,464	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	57	(1,214)	(1,394)	(1,794)	0.394	0.000	0.000	0.000	23	-	-	-
2	17	15	146	1,692	1,690	1,698	-	-	-	-	26	-	-	-	-	-	-	-	60	2,716	2,869	3,254	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	60	(1,057)	(1,212)	(1,590)	0.396	0.000	0.000	0.000	24	-	-	-
2	17	16	146	1,704	1,710	1,725	-	-	-	-	31	-	-	-	-	-	-	-	48	2,258	2,370	2,717	-	47	47	47	-	(1)	(1)	2	-	-	-	-	67	(599)	(705)	(1,041)	0.404	0.000	0.400	0.000	27	-	(282)	-
2	17	17	149	1,739	1,752	1,773	-	-	-	-	40	-	-	-	-	-	-	-	28	1,413	1,465	1,759	-	47	47	47	-	(2)	(1)	2	-	-	-	-	81	282	241	(35)	0.402	0.408	0.404	0.395	33	115	97	(14)
2	17	18	156	1,825	1,844	1,871	-	-	-	-	41	-	-	-	-	-	-	-	2	154	156	405	-	47	47	47	-	1	1	8	-	-	-	-	112	1,624	1,641	1,412	0.403	0.399	0.393	0.377	45	649	645	532
2	17	19	160	1,885	1,910	1,943	-	-	-	-	44	-	-	-	-	-	-	-	-	23	23	270	-	47	47	47	-	(0)	18	15	-	-	-	-	117	1,816	1,823	1,611	0.413	0.405	0.397	0.384	48	735	724	618
2	17	20	157	1,849	1,873	1,904	-	-	-	-	48	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	6	2	20	-	-	-	-	110	1,785	1,813	1,579	0.412	0.403	0.397	0.383	45	720	720	605
2	17	21	152	1,784	1,809	1,839	-	-	-	-	45	-	-	-	-	-	-	-	-	3	3	250	-	47	47	47	-	-	4	5	-	-	-	-	107	1,735	1,755	1,537	0.406	0.402	0.396	0.382	43	698	695	586
2	17	22	142	1,670	1,693	1,721	-	-	-	-	41	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	-	1	5	-	-	-	-	101	1,623	1,645	1,422	0.411	0.399	0.392	0.376	41	647	646	535
2	17	23	128	1,510	1,533	1,560	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	18	4	2	-	-	-	-	88	1,446	1,481	1,264	0.414	0.397	0.386	0.366	37	574	572	463
2	17	24	136	1,602	1,623	1,650	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	8	1	-	-	-	-	99	1,554	1,569	1,355	0.406	0.392	0.375	0.364	40	609	589	493
2	18	1	107	1,245	1,253	1,265	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,195	1,202	972	0.409	0.387	0.366	0.367	33	463	439	357
2	18	2	101	1,176	1,177	1,183	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,129	1,130	891	0.409	0.386	0.368	0.365	33	435	416	325
2	18	3	98	1,131	1,126	1,127	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,083	1,081	835	0.408	0.385	0.369	0.366	32	417	399	306
2	18	4	96	1,109	1,098	1,095	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,046	1,051	805	0.408	0.379	0.367	0.366	31	397	385	295
2	18	5	98	1,127	1,111	1,103	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,079	1,065	812	0.409	0.383	0.365	0.365	31	413	389	297
2	18	6	108	1,232	1,212	1,201	-	-	-	-	33	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	14	9	-	-	-	-	-	75	1,172	1,157	907	0.410	0.387	0.365	0.364	31	454	422	330
2	18	7	121	1,381	1,360	1,350	-	-	-	-	38	-	-	-	-	-	-	-	1	37	37	284	-	47	47	47	-	9	9	6	-	-	-	-	82	1,288	1,268	1,013	0.409	0.396	0.377	0.364	34	511	478	369
2	18	8	129	1,478	1,460	1,453	-	-	-	-	37	-	-	-	-	-	-	-	13	736	745	1,000	-	47	47	47	-	(4)	(1)	-	-	-	-	-	79	699	669	406	0.403	0.403	0.381	0.377	32	282	255	153
2	18	9	132	1,519	1,505	1,504	-	-	-	-	29	-	-	-	-	-	-	-	15	676	714	995	-	47	47	47	-	(3)	(2)	14	-	-	-	-	88	799	747	448	0.410	0.409	0.393	0.386	36	327	294	173
2	18	10	135	1,554	1,541	1,539	-	-	-	-	23	-	-	-	-	-	-	-	26	1,177	1,238	1,540	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	87	338	258	(27)	0.406	0.000	0.000	0.000	35	-	-	-
2	18	11	138	1,581	1,566	1,564	-	-	-	-	22	-	-	-	-	-	-	-	38	1,732	1,828	2,161	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	78	(179)	(292)	(627)	0.403	0.000	0.000	0.000	31	-	-	-
2	18	12	138	1,591	1,578	1,575	-	-	-	-	22	-	-	-	-	-	-	-	48	2,236	2,349	2,698	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	68	(677)	(803)	(1,152)	0.397	0.000	0.000	0.000	27	-	-	-
2	18	13	138	1,594	1,584	1,585	-	-	-	-	22	-	-	-	-	-	-	-	47	2,141	2,259	2,611	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	69	(580)	(706)	(1,057)	0.395	0.000	0.000	0.000	27	-	-	-
2	18	14	139	1,600	1,593	1,596	-	-	-	-	24	-	-	-	-	-	-	-	39	1,764	1,870	2,212	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	75	(196)	(307)	(646)	0.394	0.000	0.000	0.000	30	-	-	-
2	18	15	138	1,591	1,587	1,592	-	-	-	-	26	-	-	-	-	-	-	-	28	1,125	1,220	1,553	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	84	434	333	5	0.396	0.000	0.000	0.000	33	-	-	-
2	18	16	137	1,593	1,596	1,608	-	-	-	-	31	-	-	-	-	-	-	-	21	835	913	1,230	-	47	47	47	-	(1)	(1)	2	-	-	-	-	85	712	637	329	0.404	0.000	0.400	0.000	34	-	255	-
2	18	17	137	1,600	1,610	1,627	-	-	-	-	40	-	-	-	-	-	-	-	17	868	910	1,194	-	47	47	47	-	(2)	(1)	2	-	-	-	-	81	687	654	385	0.402	0.408	0.404	0.395	33	280	264	152
2	18	18	144	1,686	1,701	1,724	-	-	-	-	41	-	-	-	-	-	-	-	1	151	152	401	-	47	47	47	-	1	1	8	-	-	-	-	102	1,487	1,501	1,269	0.403	0.399	0.393	0.377	41	594	590	478
2	18	19	156	1,831	1,855	1,886	-	-	-	-	44	-	-	-	-	-	-	-	-	108	108	355	-	47	47	47	-	(0)	18	15	-	-	-	-	112	1,677	1,683	1,470	0.413	0.405	0.397	0.384	46	678	669	564
2	18	20	154	1,814	1,838	1,868	-	-	-	-	48	-	-	-	-	-	-	-	-	97	97	344	-	47	47	47	-	6	2	20	-	-	-	-	107	1,665	1,692	1,457	0.412	0.403	0.397	0.383	44	671	672	558
2	18	21	150	1,757	1,781	1,810	-	-	-	-	45	-	-	-	-	-	-	-	-	86	86	333	-	47	47	47	-	-	4	5	-	-	-	-	105	1,624	1,643	1,424	0.406	0.402	0.396	0.382	42	653	651	544
2	18	22	140	1,650	1,672	1,700	-	-	-	-	41	-	-	-	-	-	-	-	-	80	80	327	-	47	47	47	-	-	1	5	-	-	-	-	99	1,523	1,544	1,321	0.411	0.399	0.392	0.376	41	607	606	497
2	18	23	127	1,496	1,518	1,544	-	-	-	-	40	-	-	-	-	-	-	-	-	84	84	331	-	47	47	47	-	18	4	2	-	-	-	-	87	1,347	1,382	1,164	0.414	0.397	0.386	0.366	36	534	534	426
2	18	24	130	1,524	1,544	1,568	-	-	-	-	37	-	-	-	-	-	-	-	-	83	83	330	-	47	47	47	-	1	8	1	-	-	-	-	93	1,394	1,406	1,191	0.406	0.392	0.375	0.364	38	546	528	433
2	19	1	106	1,238	1,245	1,257	-	-	-	-	25	-	-	-	-	-	-	-	-	73	73	320	-	47	47	47	-	4	4	(1)	-	-	-	-	81	1,115	1,121	891	0.409	0.387	0.366	0.367	33	432	410	327

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	19	2	101	1,169	1,170	1,176	-	-	-	-	21	-	-	-	-	-	-	-	-	63	63	310	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,059	1,060	820	0.409	0.386	0.368	0.365	33	408	390	300
2	19	3	97	1,124	1,119	1,119	-	-	-	-	19	-	-	-	-	-	-	-	-	44	44	291	-	47	47	47	-	1	(2)	(2)	-	-	-	-	78	1,032	1,029	783	0.408	0.385	0.369	0.366	32	397	380	287
2	19	4	96	1,110	1,100	1,096	-	-	-	-	20	-	-	-	-	-	-	-	-	43	43	290	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,004	1,009	763	0.408	0.379	0.367	0.366	31	381	370	279
2	19	5	99	1,134	1,119	1,111	-	-	-	-	22	-	-	-	-	-	-	-	-	58	58	305	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,029	1,014	762	0.409	0.383	0.365	0.365	32	394	370	278
2	19	6	107	1,224	1,204	1,192	-	-	-	-	33	-	-	-	-	-	-	-	-	68	68	315	-	47	47	47	-	14	9	-	-	-	-	-	74	1,096	1,081	831	0.410	0.387	0.365	0.364	30	424	394	302
2	19	7	120	1,374	1,353	1,343	-	-	-	-	38	-	-	-	-	-	-	-	1	131	131	378	-	47	47	47	-	9	9	6	-	-	-	-	81	1,188	1,167	912	0.409	0.396	0.377	0.364	33	471	440	332
2	19	8	127	1,452	1,433	1,426	-	-	-	-	37	-	-	-	-	-	-	-	2	84	94	349	-	47	47	47	-	(4)	(1)	-	-	-	-	-	88	1,325	1,294	1,030	0.403	0.403	0.381	0.377	35	534	493	389
2	19	9	130	1,492	1,477	1,475	-	-	-	-	29	-	-	-	-	-	-	-	13	538	583	871	-	47	47	47	-	(3)	(2)	14	-	-	-	-	88	910	850	544	0.410	0.409	0.393	0.386	36	372	334	210
2	19	10	133	1,532	1,518	1,516	-	-	-	-	23	-	-	-	-	-	-	-	23	926	1,006	1,325	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	87	566	467	165	0.406	0.000	0.000	0.000	35	-	-	-
2	19	11	136	1,562	1,547	1,545	-	-	-	-	22	-	-	-	-	-	-	-	31	1,293	1,388	1,721	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	84	241	128	(207)	0.403	0.000	0.000	0.000	34	-	-	-
2	19	12	137	1,578	1,565	1,562	-	-	-	-	22	-	-	-	-	-	-	-	31	1,210	1,324	1,673	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	84	335	210	(140)	0.397	0.000	0.000	0.000	33	-	-	-
2	19	13	137	1,580	1,570	1,570	-	-	-	-	22	-	-	-	-	-	-	-	35	1,387	1,507	1,861	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	80	160	32	(321)	0.395	0.000	0.000	0.000	32	-	-	-
2	19	14	137	1,586	1,579	1,582	-	-	-	-	24	-	-	-	-	-	-	-	28	1,059	1,167	1,510	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	85	494	382	42	0.394	0.000	0.000	0.000	33	-	-	-
2	19	15	136	1,578	1,574	1,579	-	-	-	-	26	-	-	-	-	-	-	-	33	1,335	1,443	1,787	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	78	211	98	(242)	0.396	0.000	0.000	0.000	31	-	-	-
2	19	16	135	1,572	1,574	1,586	-	-	-	-	31	-	-	-	-	-	-	-	20	645	731	1,055	-	47	47	47	-	(1)	(1)	2	-	-	-	-	84	881	797	482	0.404	0.000	0.400	0.000	34	-	319	-
2	19	17	136	1,586	1,596	1,613	-	-	-	-	40	-	-	-	-	-	-	-	18	795	845	1,137	-	47	47	47	-	(2)	(1)	2	-	-	-	-	78	746	704	427	0.402	0.408	0.404	0.395	31	304	285	169
2	19	18	143	1,668	1,683	1,706	-	-	-	-	41	-	-	-	-	-	-	-	1	62	64	314	-	47	47	47	-	1	1	8	-	-	-	-	100	1,559	1,571	1,338	0.403	0.399	0.393	0.377	40	623	618	504
2	19	19	153	1,802	1,825	1,855	-	-	-	-	44	-	-	-	-	-	-	-	-	16	16	263	-	47	47	47	-	(0)	18	15	-	-	-	-	110	1,739	1,745	1,531	0.413	0.405	0.397	0.384	45	703	693	587
2	19	20	151	1,768	1,790	1,820	-	-	-	-	48	-	-	-	-	-	-	-	-	23	23	270	-	47	47	47	-	6	2	20	-	-	-	-	103	1,693	1,719	1,483	0.412	0.403	0.397	0.383	42	683	682	568
2	19	21	146	1,713	1,736	1,764	-	-	-	-	45	-	-	-	-	-	-	-	-	30	30	277	-	47	47	47	-	-	4	5	-	-	-	-	101	1,636	1,655	1,435	0.406	0.402	0.396	0.382	41	658	655	548
2	19	22	139	1,629	1,651	1,679	-	-	-	-	41	-	-	-	-	-	-	-	-	17	17	264	-	47	47	47	-	-	1	5	-	-	-	-	97	1,565	1,586	1,362	0.411	0.399	0.392	0.376	40	624	623	512
2	19	23	128	1,507	1,529	1,556	-	-	-	-	40	-	-	-	-	-	-	-	-	11	11	258	-	47	47	47	-	18	4	2	-	-	-	-	88	1,431	1,467	1,249	0.414	0.397	0.386	0.366	36	568	566	457
2	19	24	129	1,520	1,540	1,565	-	-	-	-	37	-	-	-	-	-	-	-	-	4	4	251	-	47	47	47	-	1	8	1	-	-	-	-	93	1,469	1,482	1,266	0.406	0.392	0.375	0.364	38	576	556	461
2	20	1	108	1,257	1,265	1,278	-	-	-	-	25	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,207	1,214	985	0.409	0.387	0.366	0.367	34	468	444	362
2	20	2	102	1,183	1,184	1,191	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,137	1,138	898	0.409	0.386	0.368	0.365	33	438	419	328
2	20	3	98	1,136	1,131	1,132	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,088	1,086	840	0.408	0.385	0.369	0.366	32	419	401	308
2	20	4	96	1,110	1,100	1,096	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,048	1,052	806	0.408	0.379	0.367	0.366	31	397	386	295
2	20	5	97	1,110	1,094	1,086	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	1	-	(3)	-	-	-	-	75	1,063	1,048	795	0.409	0.383	0.365	0.365	31	407	383	290
2	20	6	101	1,146	1,125	1,111	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	68	1,086	1,069	817	0.410	0.387	0.365	0.364	28	420	390	297
2	20	7	105	1,200	1,175	1,160	-	-	-	-	38	-	-	-	-	-	-	-	7	448	448	695	-	47	47	47	-	9	9	6	-	-	-	-	61	696	671	412	0.409	0.396	0.377	0.364	25	276	253	150
2	20	8	109	1,244	1,220	1,207	-	-	-	-	37	-	-	-	-	-	-	-	27	1,527	1,555	1,826	-	47	47	47	-	(4)	(1)	-	-	-	-	-	45	(326)	(381)	(666)	0.403	0.403	0.381	0.377	18	(132)	(145)	(251)
2	20	9	115	1,316	1,298	1,291	-	-	-	-	29	-	-	-	-	-	-	-	46	2,282	2,370	2,695	-	47	47	47	-	(3)	(2)	14	-	-	-	-	40	(1,009)	(1,116)	(1,465)	0.410	0.409	0.393	0.386	16	(413)	(439)	(565)
2	20	10	120	1,373	1,355	1,350	-	-	-	-	23	-	-	-	-	-	-	-	58	2,723	2,856	3,222	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	38	(1,389)	(1,545)	(1,899)	0.406	0.000	0.000	0.000	16	-	-	-
2	20	11	123	1,404	1,386	1,379	-	-	-	-	22	-	-	-	-	-	-	-	63	2,799	2,957	3,346	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	38	(1,423)	(1,602)	(1,997)	0.403	0.000	0.000	0.000	15	-	-	-
2	20	12	124	1,417	1,400	1,393	-	-	-	-	22	-	-	-	-	-	-	-	64	2,834	3,002	3,400	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	38	(1,449)	(1,633)	(2,036)	0.397	0.000	0.000	0.000	15	-	-	-
2	20	13	123	1,419	1,405	1,401	-	-	-	-	22	-	-	-	-	-	-	-	65	2,859	3,034	3,437	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	36	(1,473)	(1,660)	(2,066)	0.395	0.000	0.000	0.000	14	-	-	-
2	20	14	122	1,408	1,397	1,395	-	-	-	-	24	-	-	-	-	-	-	-	64	2,846	3,013	3,410	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	34	(1,470)	(1,647)	(2,045)	0.394	0.000	0.000	0.000	14	-	-	-
2	20	15	121	1,397	1,388	1,388	-	-	-	-	26	-	-	-	-	-	-	-	61	2,796	2,945	3,326	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	34	(1,432)	(1,590)	(1,971)	0.396	0.000	0.000	0.000	14	-	-	-
2	20	16	121	1,402	1,401	1,408	-	-	-	-	31	-	-	-	-	-	-	-	50	2,374	2,489	2,839	-	47	47	47	-	(1)	(1)	2	-	-	-	-	39	(1,018)	(1,134)	(1,480)	0.404	0.000	0.400	0.000	16	-	(454)	-
2	20	17	122	1,423	1,428	1,441	-	-	-	-	40	-	-	-	-	-	-	-	29	1,462	1,519	1,817	-	47	47	47	-	(2)	(1)	2	-	-	-	-	54	(85)	(137)	(424)	0.402	0.408	0.404	0.395	22	(35)	(55)	(168)
2	20	18	131	1,528	1,540	1,559	-	-	-	-	41	-	-	-	-	-	-	-	3	215	217	466	-	47	47	47	-	1	1	8	-	-	-	-	87	1,266	1,276	1,039	0.403	0.399	0.393	0.377	35	506	501	391
2	20	19	144	1,685	1,705	1,733	-	-	-	-	44	-	-	-	-	-	-	-	-	55	55	302	-	47	47	47	-	(0)	18	15	-	-	-	-	100	1,583	1,586	1,369	0.413	0.405	0.397	0.384	41	640	630	525
2	20	20	142	1,663	1,683	1,709	-	-	-	-	48	-	-	-	-	-	-	-	-	55	55	302	-	47	47	47	-	6	2	20	-	-	-	-	94	1,556	1,579	1,341	0.412	0.403	0.397	0.383	39	627	627	514
2	20	21	138	1,617	1,638	1,664	-	-	-	-	45	-	-	-	-	-	-	-	-	54	54	301	-	47	47	47	-	-	4	5	-	-	-	-	93	1,517	1,533	1,311	0.406	0.402	0.396	0.382	38	610	607	500
2	20	22	132	1,548	1,568	1,594	-	-	-	-	41	-	-	-	-	-	-	-	-	49	49	296	-	47	47	47	-	-	1	5	-	-	-	-	90	1,453	1,472	1,246	0.411	0.399	0.392	0.376	37	579	578	468
2	20	23	123	1,447	1,468	1,493	-	-	-	-	40	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	18	4	2	-	-	-	-	83	1,338	1,372	1,153	0.414	0.397	0.386	0.366	34	531	530	422
2	20	24	120	1,406	1,423	1,444	-	-	-	-	37	-	-	-	-	-	-	-	-	41	41	288	-	47	47	47	-	1	8	1	-	-	-	-	83	1,317	1,327	1,109	0.406	0.392	0.375	0.364	34	516	498	403
2	21	1	106	1,235	1,242	1,254	-	-	-	-	25	-	-	-	-	-	-	-	-	33	33	280	-	47	47	47	-	4	4	(1)	-	-	-	-	81	1,151	1,157	928	0.409	0.387	0.366	0.367	33	446	423	341
2	21	2	100	1,163	1,164	1,170	-	-	-	-	21	-	-	-	-	-	-	-	-	29	29	276	-	47	47	47	-	-	-	(1)	-	-	-	-	79	1,087	1,088	848	0.409	0.386	0.368	0.365	32	419	401	310
2	21	3	97	1,119	1,114	1,114	-	-	-	-	19	-	-	-	-	-	-	-	-	26	26	273	-	47	47	47	-	1	(2)	(2)	-	-	-	-	78	1,045	1,043	796	0.408	0.385	0.369	0.366	32	402	385	292
2	21	4	95	1,093	1,083	1,078	-	-	-	-	20	-	-	-	-	-	-	-	-	27	27	274	-	47	47	47	-	15	1	(4)	-	-	-	-	75	1,004	1,008	761	0.408	0.379	0.367	0.366	31	380	370	279
2	21	5	95	1,085	1,069	1,059	-	-	-	-	22	-	-	-	-	-	-	-	-	26	26	273	-	47	47	47	-	1	-	(3)	-	-	-	-	73	1,012	996	743	0.409	0.383	0.365	0.365	30	387	364	271
2	21	6	97	1,103	1,081	1,066	-	-	-	-	33	-	-	-	-	-	-	-	-	27	27	274	-	47	47	47	-	14	9	-	-	-	-	-	64	1,016	998	745	0.410	0.387	0.365	0.364	26	393	364	271
2	21	7	100	1,135	1,109	1,092	-	-	-	-	38	-	-	-	-	-	-	-	7	463	463	710	-	47	47	47	-	9	9	6	-	-	-	-	55	617	591	330	0.409	0.396	0.377	0.364	23	245	223	120
2	21	8	103	1,165	1,139	1,124	-	-	-	-	37	-	-	-	-	-	-	-	28	1,566	1,593	1,864	-	47	47	47	-	(4)	(1)	-	-	-	-	-	38	(444)	(500)	(787)	0.403	0.403	0.381	0.377	15	(179)	(190)	(297)
2	21	9	108	1,225	1,205	1,196	-	-	-	-	29	-	-	-	-	-	-	-	46	2,311	2,394	2,716	-	47	47	47	-	(3)	(2)	14	-	-	-	-	33	(1,129)	(1,234)	(1,581)	0.410	0.409	0.393	0.386	13	(462)	(485)	(610)
2	21	10	112	1,273	1,253	1,244	-	-	-	-	23	-	-	-	-	-	-	-	58	2,730	2,859	3,221	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	31	(1,497)	(1,651)	(2,004)	0.406	0.000	0.000	0.000	12	-	-	-
2	21	11	115	1,310	1,289	1,280	-	-	-	-	22	-	-	-	-	-	-	-	62	2,804	2,958	3,343	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	31	(1,523)	(1,700)	(2,093)	0.403	0.000	0.000	0.000	13	-	-	-
2	21	12	116	1,330	1,310	1,301	-	-	-	-	22	-	-	-	-	-	-	-	64	2,842	3,010	3,406	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	30	(1,545)	(1,730)	(2,134)	0.397	0.000	0.000	0.000	12	-	-	-
2	21	13	117	1,346	1,330	1,324	-	-	-	-	22	-	-	-	-	-	-	-	64	2,844	3,011	3,408	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	31	(1,530)	(1,711)	(2,113)	0.395	0.000	0.000	0.000	12	-	-	-
2	21	14	118	1,353	1,341	1,338	-	-	-	-	24	-	-	-	-	-	-	-	63	2,823	2,984	3,375	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	31	(1,502)	(1,674)	(2,068)	0.394	0.000	0.000	0.000	12	-	-	-
2	21	15	118	1,362	1,353	1,352	-	-	-	-	26	-	-	-	-	-	-	-	59	2,752	2,889	3,259	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	33	(1,422)	(1,570)	(1,941)	0.396	0.000	0.000	0.000	13	-	-	-
2	21	16	119	1,377	1,375	1,382	-	-	-	-	31	-	-	-	-	-	-	-	48	2,262	2,371	2,716	-	47	47	47	-	(1)	(1)	2	-	-	-	-	39	(930)	(1,042)	(1,384)	0.404	0.000	0.400	0.000	16	-	(417)	-
2	21	17	122	1,414	1,420	1,432	-	-	-	-	40	-	-	-	-	-	-	-	29	1,471	1,528	1,826	-	47	47	47	-	(2)	(1)	2	-	-	-	-	52	(102)	(154)	(442)	0.402	0.408	0.404	0.395	21	(42)	(62)	(174)
2	21	18	131	1,531	1,543	1,562	-	-	-	-	41	-	-	-	-	-	-	-	3	206	209	458	-	47	47	47	-	1	1	8	-	-	-	-	87	1,277	1,287	1,050	0.403	0.399	0.393	0.377	35	510	506	395
2	21	19	145	1,701	1,722	1,750	-	-	-	-	44	-	-	-	-	-	-	-	-	31	31	278	-	47	47	47	-	(0)	18	15	-	-	-	-	101	1,624	1,627	1,411	0.413	0.405	0.397	0.384	42	657	647	541
2	21	20	145	1,700	1,721	1,748	-	-	-	-	48	-	-	-	-	-	-	-	-	30	30	277	-	47	47	47	-	6	2	20	-	-	-	-	97	1,617	1,642	1,405	0.412	0.403	0.397	0.383	40	652	652	538
2	21	21	141	1,653	1,675	1,701	-	-	-	-	45	-	-	-	-	-	-	-	-	19	19	266	-	47	47	47	-	-	4	5	-	-	-	-	96	1,587	1,605	1,383	0.406	0.402	0.396	0.382	39	638	635	528
2	21	22	132	1,555	1,576	1,601	-	-	-	-	41	-	-	-	-	-	-	-	-	18	18	265	-	47	47	47	-	-	1	5	-	-	-	-	91	1,490	1,510	1,284	0.411	0.399	0.392	0.376	37	594	592	483
2	21	23	121	1,427	1,447	1,472	-	-	-	-	40	-	-	-	-	-	-	-	-	20	20	267	-	47	47	47	-	18	4	2	-	-	-	-	81	1,342	1,376	1,156	0.414	0.397	0.386	0.366	34	532	531	423
2	21	24	115	1,348	1,364	1,384	-	-	-	-	37	-	-	-	-	-	-	-	-	28	28	275	-	47	47	47	-	1	8	1	-	-	-	-	78	1,272	1,281	1,061	0.406	0.392	0.375	0.364	32	499	481	386
2	22	1	102	1,184	1,191	1,201	-	-	-	-	25	-	-	-	-	-	-	-	-	31	31	278	-	47	47	47	-	4	4	(1)	-	-	-	-	77	1,103	1,109	878	0.409	0.387	0.366	0.367	31	428	405	322
2	22	2	97	1,124	1,123	1,128	-	-	-	-	21	-	-	-	-	-	-	-	-	31	31	278	-	47	47	47	-	-	-	(1)	-	-	-	-	76	1,046	1,046	805	0.409	0.386	0.368	0.365	31	403	385	294
2	22	3	94	1,089	1,083	1,083	-	-	-	-	19	-	-	-	-	-	-	-	-	28	28	275	-	47	47	47	-	1	(2)	(2)	-	-	-	-	75	1,013	1,010	763	0.408	0.385	0.369	0.366	31	390	373	279
2	22	4	94	1,081	1,070	1,066	-	-	-	-	20	-	-	-	-	-	-	-	-	28	28	275	-	47	47	47	-	15	1	(4)	-	-	-	-	74	991	995	748	0.408	0.379	0.367	0.366	30	376	365	274
2	22	5	97	1,111	1,096	1,087	-	-	-	-	22	-	-	-	-	-	-	-	-	29	29	276	-	47	47	47	-	1	-	(3)	-	-	-	-	75	1,035	1,020	768	0.409	0.383	0.365	0.365	31	396	373	280
2	22	6	106	1,213	1,193	1,181	-	-	-	-	33	-	-	-	-	-	-	-	-	37	37	284	-	47	47	47	-	14	9	-	-	-	-	-	73	1,116	1,100	850	0.410	0.387	0.365	0.364	30	432	402	309
2	22	7	120	1,372	1,351	1,341	-	-	-	-	38	-	-	-	-	-	-	-	6	433	433	680	-	47	47	47	-	9	9	6	-	-	-	-	76	883	863	608	0.409	0.396	0.377	0.364	31	350	325	221
2	22	8	127	1,459	1,440	1,433	-	-	-	-	37	-	-	-	-	-	-	-	26	1,558	1,577	1,841	-	47	47	47	-	(4)	(1)	-	-	-	-	-	64	(142)	(183)	(455)	0.403	0.403	0.381	0.377	26	(57)	(70)	(172)
2	22	9	131	1,504	1,490	1,488	-	-	-	-	29	-	-	-	-	-	-	-	40	2,227	2,278	2,571	-	47	47	47	-	(3)	(2)	14	-	-	-	-	62	(767)	(833)	(1,144)	0.410	0.409	0.393	0.386	25	(314)	(327)	(441)
2	22	10	135	1,551	1,538	1,537	-	-	-	-	23	-	-	-	-	-	-	-	49	2,633	2,709	3,025	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	63	(1,120)	(1,216)	(1,515)	0.406	0.000	0.000	0.000	25	-	-	-
2	22	11	139	1,596	1,582	1,580	-	-	-	-	22	-	-	-	-	-	-	-	52	2,722	2,817	3,149	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	65	(1,155)	(1,266)	(1,599)	0.403	0.000	0.000	0.000	26	-	-	-
2	22	12	141	1,629	1,616	1,615	-	-	-	-	22	-	-	-	-	-	-	-	55	2,767	2,876	3,221	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	65	(1,171)	(1,291)	(1,635)	0.397	0.000	0.000	0.000	26	-	-	-
2	22	13	143	1,650	1,642	1,644	-	-	-	-	22	-	-	-	-	-	-	-	55	2,772	2,881	3,226	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	66	(1,154)	(1,270)	(1,611)	0.395	0.000	0.000	0.000	26	-	-	-
2	22	14	145	1,676	1,671	1,676	-	-	-	-	24	-	-	-	-	-	-	-	54	2,769	2,877	3,221	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	67	(1,126)	(1,237)	(1,575)	0.394	0.000	0.000	0.000	26	-	-	-
2	22	15	146	1,696	1,694	1,702	-	-	-	-	26	-	-	-	-	-	-	-	55	2,773	2,882	3,226	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	66	(1,109)	(1,221)	(1,558)	0.396	0.000	0.000	0.000	26	-	-	-
2	22	16	147	1,712	1,718	1,733	-	-	-	-	31	-	-	-	-	-	-	-	44	2,272	2,355	2,677	-	47	47	47	-	(1)	(1)	2	-	-	-	-	72	(606)	(683)	(993)	0.404	0.000	0.400	0.000	29	-	(273)	-
2	22	17	147	1,720	1,733	1,754	-	-	-	-	40	-	-	-	-	-	-	-	25	1,400	1,441	1,724	-	47	47	47	-	(2)	(1)	2	-	-	-	-	83	276	246	(19)	0.402	0.408	0.404	0.395	33	112	100	(8)
2	22	18	152	1,783	1,801	1,827	-	-	-	-	41	-	-	-	-	-	-	-	3	274	276	524	-	47	47	47	-	1	1	8	-	-	-	-	108	1,461	1,478	1,248	0.403	0.399	0.393	0.377	44	583	581	470
2	22	19	163	1,918	1,944	1,977	-	-	-	-	44	-	-	-	-	-	-	-	-	98	98	345	-	47	47	47	-	(0)	18	15	-	-	-	-	120	1,773	1,782	1,571	0.413	0.405	0.397	0.384	49	717	708	603
2	22	20	160	1,880	1,906	1,938	-	-	-	-	48	-	-	-	-	-	-	-	-	92	92	339	-	47	47	47	-	6	2	20	-	-	-	-	112	1,736	1,765	1,532	0.412	0.403	0.397	0.383	46	700	701	587
2	22	21	154	1,806	1,831	1,862	-	-	-	-	45	-	-	-	-	-	-	-	-	99	99	346	-	47	47	47	-	-	4	5	-	-	-	-	109	1,661	1,682	1,464	0.406	0.402	0.396	0.382	44	668	666	559
2	22	22	143	1,681	1,704	1,733	-	-	-	-	41	-	-	-	-	-	-	-	-	103	103	350	-	47	47	47	-	-	1	5	-	-	-	-	102	1,531	1,554	1,331	0.411	0.399	0.392	0.376	42	611	610	500
2	22	23	129	1,514	1,537	1,564	-	-	-	-	40	-	-	-	-	-	-	-	-	102	102	349	-	47	47	47	-	18	4	2	-	-	-	-	89	1,348	1,383	1,166	0.414	0.397	0.386	0.366	37	535	534	427
2	22	24	133	1,565	1,586	1,611	-	-	-	-	37	-	-	-	-	-	-	-	-	92	92	339	-	47	47	47	-	1	8	1	-	-	-	-	96	1,425	1,439	1,225	0.406	0.392	0.375	0.364	39	559	540	446
2	23	1	106	1,242	1,249	1,262	-	-	-	-	25	-	-	-	-	-	-	-	-	83	83	330	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,108	1,115	886	0.409	0.387	0.366	0.367	33	430	408	325
2	23	2	101	1,171	1,172	1,178	-	-	-	-	21	-	-	-	-	-	-	-	-	75	75	322	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,049	1,050	811	0.409	0.386	0.368	0.365	33	405	387	296
2	23	3	97	1,125	1,120	1,121	-	-	-	-	19	-	-	-	-	-	-	-	-	81	81	328	-	47	47	47	-	1	(2)	(2)	-	-	-	-	78	996	994	748	0.408	0.385	0.369	0.366	32	383	367	274
2	23	4	96	1,109	1,099	1,095	-	-	-	-	20	-	-	-	-	-	-	-	-	95	95	342	-	47	47	47	-	15	1	(4)	-	-	-	-	77	951	956	709	0.408	0.379	0.367	0.366	31	360	350	260
2	23	5	99	1,134	1,119	1,111	-	-	-	-	22	-	-	-	-	-	-	-	-	97	97	344	-	47	47	47	-	1	-	(3)	-	-	-	-	77	990	975	723	0.409	0.383	0.365	0.365	32	379	356	264
2	23	6	107	1,225	1,205	1,194	-	-	-	-	33	-	-	-	-	-	-	-	-	85	85	332	-	47	47	47	-	14	9	-	-	-	-	-	74	1,080	1,065	815	0.410	0.387	0.365	0.364	30	418	389	297
2	23	7	120	1,373	1,353	1,342	-	-	-	-	38	-	-	-	-	-	-	-	6	442	442	689	-	47	47	47	-	9	9	6	-	-	-	-	76	876	855	600	0.409	0.396	0.377	0.364	31	347	323	218
2	23	8	127	1,450	1,431	1,424	-	-	-	-	37	-	-	-	-	-	-	-	26	1,532	1,555	1,822	-	47	47	47	-	(4)	(1)	-	-	-	-	-	63	(125)	(169)	(445)	0.403	0.403	0.381	0.377	26	(50)	(64)	(168)
2	23	9	131	1,500	1,486	1,485	-	-	-	-	29	-	-	-	-	-	-	-	41	2,097	2,172	2,485	-	47	47	47	-	(3)	(2)	14	-	-	-	-	61	(640)	(730)	(1,062)	0.410	0.409	0.393	0.386	25	(262)	(287)	(410)
2	23	10	136	1,567	1,553	1,553	-	-	-	-	23	-	-	-	-	-	-	-	55	2,730	2,846	3,198	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	58	(1,202)	(1,337)	(1,672)	0.406	0.000	0.000	0.000	24	-	-	-
2	23	11	141	1,622	1,609	1,608	-	-	-	-	22	-	-	-	-	-	-	-	58	2,717	2,859	3,233	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	62	(1,124)	(1,281)	(1,655)	0.403	0.000	0.000	0.000	25	-	-	-
2	23	12	145	1,666	1,654	1,654	-	-	-	-	22	-	-	-	-	-	-	-	58	2,722	2,870	3,249	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	64	(1,089)	(1,247)	(1,624)	0.397	0.000	0.000	0.000	26	-	-	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	23	13	147	1,698	1,691	1,694	-	-	-	-	22	-	-	-	-	-	-	-	61	2,882	3,033	3,416	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	64	(1,216)	(1,373)	(1,752)	0.395	0.000	0.000	0.000	25	-	-	-
2	23	14	150	1,736	1,732	1,739	-	-	-	-	24	-	-	-	-	-	-	-	56	2,563	2,706	3,081	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	70	(860)	(1,005)	(1,373)	0.394	0.000	0.000	0.000	28	-	-	-
2	23	15	150	1,742	1,742	1,751	-	-	-	-	26	-	-	-	-	-	-	-	56	2,675	2,803	3,165	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	69	(966)	(1,095)	(1,448)	0.396	0.000	0.000	0.000	27	-	-	-
2	23	16	150	1,740	1,747	1,763	-	-	-	-	31	-	-	-	-	-	-	-	46	2,245	2,346	2,683	-	47	47	47	-	(1)	(1)	2	-	-	-	-	73	(551)	(645)	(969)	0.404	0.000	0.400	0.000	29	-	(258)	-
2	23	17	148	1,731	1,744	1,765	-	-	-	-	40	-	-	-	-	-	-	-	29	1,506	1,566	1,866	-	47	47	47	-	(2)	(1)	2	-	-	-	-	79	180	132	(150)	0.402	0.408	0.404	0.395	32	73	53	(59)
2	23	18	153	1,787	1,806	1,831	-	-	-	-	41	-	-	-	-	-	-	-	3	273	276	525	-	47	47	47	-	1	1	8	-	-	-	-	108	1,467	1,482	1,252	0.403	0.399	0.393	0.377	44	586	583	471
2	23	19	162	1,908	1,934	1,967	-	-	-	-	44	-	-	-	-	-	-	-	-	89	89	336	-	47	47	47	-	(0)	18	15	-	-	-	-	119	1,772	1,780	1,569	0.413	0.405	0.397	0.384	49	717	707	602
2	23	20	159	1,873	1,898	1,930	-	-	-	-	48	-	-	-	-	-	-	-	-	85	85	332	-	47	47	47	-	6	2	20	-	-	-	-	112	1,736	1,764	1,531	0.412	0.403	0.397	0.383	46	700	700	586
2	23	21	153	1,800	1,825	1,856	-	-	-	-	45	-	-	-	-	-	-	-	-	89	89	336	-	47	47	47	-	-	4	5	-	-	-	-	108	1,664	1,685	1,467	0.406	0.402	0.396	0.382	44	669	667	560
2	23	22	143	1,677	1,701	1,729	-	-	-	-	41	-	-	-	-	-	-	-	-	79	79	326	-	47	47	47	-	-	1	5	-	-	-	-	101	1,551	1,573	1,351	0.411	0.399	0.392	0.376	42	618	617	508
2	23	23	129	1,518	1,540	1,567	-	-	-	-	40	-	-	-	-	-	-	-	-	74	74	321	-	47	47	47	-	18	4	2	-	-	-	-	89	1,379	1,415	1,198	0.414	0.397	0.386	0.366	37	547	546	438
2	23	24	136	1,597	1,619	1,645	-	-	-	-	37	-	-	-	-	-	-	-	-	57	57	304	-	47	47	47	-	1	8	1	-	-	-	-	99	1,492	1,507	1,293	0.406	0.392	0.375	0.364	40	585	566	470
2	24	1	107	1,244	1,252	1,264	-	-	-	-	25	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,148	1,155	925	0.409	0.387	0.366	0.367	33	445	422	340
2	24	2	101	1,171	1,172	1,178	-	-	-	-	21	-	-	-	-	-	-	-	-	32	32	279	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,092	1,093	854	0.409	0.386	0.368	0.365	33	421	403	312
2	24	3	97	1,124	1,119	1,119	-	-	-	-	19	-	-	-	-	-	-	-	-	13	13	260	-	47	47	47	-	1	(2)	(2)	-	-	-	-	78	1,064	1,061	815	0.408	0.385	0.369	0.366	32	409	391	298
2	24	4	97	1,111	1,101	1,097	-	-	-	-	20	-	-	-	-	-	-	-	-	1	1	248	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,048	1,052	806	0.408	0.379	0.367	0.366	31	397	386	295
2	24	5	99	1,133	1,118	1,109	-	-	-	-	22	-	-	-	-	-	-	-	-	0	0	247	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,085	1,071	819	0.409	0.383	0.365	0.365	32	416	391	299
2	24	6	107	1,224	1,204	1,192	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	47	47	47	-	14	9	-	-	-	-	-	74	1,164	1,148	899	0.410	0.387	0.365	0.364	30	451	419	327
2	24	7	120	1,370	1,350	1,339	-	-	-	-	38	-	-	-	-	-	-	-	8	481	481	728	-	47	47	47	-	9	9	6	-	-	-	-	74	834	813	559	0.409	0.396	0.377	0.364	30	331	307	203
2	24	8	127	1,450	1,431	1,424	-	-	-	-	37	-	-	-	-	-	-	-	29	1,636	1,666	1,939	-	47	47	47	-	(4)	(1)	-	-	-	-	-	60	(229)	(281)	(563)	0.403	0.403	0.381	0.377	24	(92)	(107)	(212)
2	24	9	131	1,504	1,489	1,488	-	-	-	-	29	-	-	-	-	-	-	-	47	2,323	2,410	2,735	-	47	47	47	-	(3)	(2)	14	-	-	-	-	55	(863)	(965)	(1,308)	0.410	0.409	0.393	0.386	23	(353)	(379)	(505)
2	24	10	137	1,571	1,558	1,558	-	-	-	-	23	-	-	-	-	-	-	-	58	2,717	2,848	3,212	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	55	(1,185)	(1,334)	(1,681)	0.406	0.000	0.000	0.000	23	-	-	-
2	24	11	141	1,628	1,615	1,613	-	-	-	-	22	-	-	-	-	-	-	-	62	2,793	2,949	3,336	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	58	(1,194)	(1,366)	(1,753)	0.403	0.000	0.000	0.000	23	-	-	-
2	24	12	145	1,668	1,656	1,656	-	-	-	-	22	-	-	-	-	-	-	-	64	2,820	2,985	3,380	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	59	(1,184)	(1,360)	(1,753)	0.397	0.000	0.000	0.000	23	-	-	-
2	24	13	147	1,699	1,692	1,695	-	-	-	-	22	-	-	-	-	-	-	-	63	2,810	2,972	3,364	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	62	(1,143)	(1,311)	(1,699)	0.395	0.000	0.000	0.000	25	-	-	-
2	24	14	150	1,734	1,731	1,737	-	-	-	-	24	-	-	-	-	-	-	-	62	2,788	2,943	3,328	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	64	(1,086)	(1,243)	(1,622)	0.394	0.000	0.000	0.000	25	-	-	-
2	24	15	151	1,753	1,752	1,762	-	-	-	-	26	-	-	-	-	-	-	-	59	2,734	2,870	3,239	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	66	(1,014)	(1,151)	(1,511)	0.396	0.000	0.000	0.000	26	-	-	-
2	24	16	152	1,769	1,776	1,792	-	-	-	-	31	-	-	-	-	-	-	-	51	2,417	2,525	2,869	-	47	47	47	-	(1)	(1)	2	-	-	-	-	70	(694)	(795)	(1,125)	0.404	0.000	0.400	0.000	28	-	(318)	-
2	24	17	152	1,772	1,786	1,808	-	-	-	-	40	-	-	-	-	-	-	-	32	1,589	1,646	1,944	-	47	47	47	-	(2)	(1)	2	-	-	-	-	80	139	94	(184)	0.402	0.408	0.404	0.395	32	57	38	(73)
2	24	18	155	1,812	1,831	1,857	-	-	-	-	41	-	-	-	-	-	-	-	4	261	263	513	-	47	47	47	-	1	1	8	-	-	-	-	109	1,504	1,520	1,290	0.403	0.399	0.393	0.377	44	601	597	486
2	24	19	164	1,922	1,948	1,982	-	-	-	-	44	-	-	-	-	-	-	-	-	9	9	256	-	47	47	47	-	(0)	18	15	-	-	-	-	120	1,867	1,875	1,664	0.413	0.405	0.397	0.384	50	755	745	638
2	24	20	160	1,883	1,909	1,941	-	-	-	-	48	-	-	-	-	-	-	-	-	12	12	259	-	47	47	47	-	6	2	20	-	-	-	-	113	1,819	1,848	1,615	0.412	0.403	0.397	0.383	46	734	734	619
2	24	21	154	1,805	1,829	1,860	-	-	-	-	45	-	-	-	-	-	-	-	-	19	19	266	-	47	47	47	-	-	4	5	-	-	-	-	109	1,739	1,759	1,542	0.406	0.402	0.396	0.382	44	699	697	588
2	24	22	143	1,679	1,703	1,731	-	-	-	-	41	-	-	-	-	-	-	-	-	28	28	275	-	47	47	47	-	-	1	5	-	-	-	-	102	1,605	1,627	1,404	0.411	0.399	0.392	0.376	42	640	638	528
2	24	23	128	1,512	1,534	1,561	-	-	-	-	40	-	-	-	-	-	-	-	-	37	37	284	-	47	47	47	-	18	4	2	-	-	-	-	88	1,410	1,445	1,228	0.414	0.397	0.386	0.366	37	559	558	449
2	24	24	136	1,596	1,617	1,644	-	-	-	-	37	-	-	-	-	-	-	-	-	47	47	294	-	47	47	47	-	1	8	1	-	-	-	-	99	1,501	1,516	1,302	0.406	0.392	0.375	0.364	40	589	569	474
2	25	1	106	1,240	1,248	1,260	-	-	-	-	25	-	-	-	-	-	-	-	-	54	54	301	-	47	47	47	-	4	4	(1)	-	-	-	-	81	1,136	1,143	913	0.409	0.387	0.366	0.367	33	440	418	336
2	25	2	101	1,171	1,172	1,178	-	-	-	-	21	-	-	-	-	-	-	-	-	63	63	310	-	47	47	47	-	-	-	(1)	-	-	-	-	80	1,061	1,062	823	0.409	0.386	0.368	0.365	33	409	391	300
2	25	3	98	1,127	1,122	1,123	-	-	-	-	19	-	-	-	-	-	-	-	-	65	65	312	-	47	47	47	-	1	(2)	(2)	-	-	-	-	78	1,015	1,013	766	0.408	0.385	0.369	0.366	32	391	374	281
2	25	4	97	1,112	1,102	1,098	-	-	-	-	20	-	-	-	-	-	-	-	-	69	69	316	-	47	47	47	-	15	1	(4)	-	-	-	-	77	981	985	739	0.408	0.379	0.367	0.366	31	372	361	271
2	25	5	99	1,135	1,120	1,112	-	-	-	-	22	-	-	-	-	-	-	-	-	69	69	316	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,019	1,005	753	0.409	0.383	0.365	0.365	32	390	367	275
2	25	6	107	1,225	1,205	1,193	-	-	-	-	33	-	-	-	-	-	-	-	-	69	69	316	-	47	47	47	-	14	9	-	-	-	-	-	74	1,096	1,081	831	0.410	0.387	0.365	0.364	30	424	394	302
2	25	7	120	1,367	1,346	1,335	-	-	-	-	38	-	-	-	-	-	-	-	5	381	381	628	-	47	47	47	-	9	9	6	-	-	-	-	77	931	910	655	0.409	0.396	0.377	0.364	31	369	343	238
2	25	8	127	1,449	1,430	1,422	-	-	-	-	37	-	-	-	-	-	-	-	23	1,346	1,367	1,632	-	47	47	47	-	(4)	(1)	-	-	-	-	-	67	60	17	(257)	0.403	0.403	0.381	0.377	27	24	7	(97)
2	25	9	131	1,499	1,484	1,483	-	-	-	-	29	-	-	-	-	-	-	-	36	1,893	1,953	2,254	-	47	47	47	-	(3)	(2)	14	-	-	-	-	66	(438)	(513)	(832)	0.410	0.409	0.393	0.386	27	(179)	(202)	(321)
2	25	10	136	1,566	1,553	1,552	-	-	-	-	23	-	-	-	-	-	-	-	46	2,321	2,412	2,740	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	67	(794)	(904)	(1,215)	0.406	0.000	0.000	0.000	27	-	-	-
2	25	11	142	1,631	1,618	1,617	-	-	-	-	22	-	-	-	-	-	-	-	53	2,723	2,825	3,163	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	67	(1,120)	(1,238)	(1,576)	0.403	0.000	0.000	0.000	27	-	-	-
2	25	12	146	1,682	1,671	1,671	-	-	-	-	22	-	-	-	-	-	-	-	57	2,794	2,917	3,275	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	67	(1,145)	(1,277)	(1,633)	0.397	0.000	0.000	0.000	27	-	-	-
2	25	13	148	1,712	1,705	1,709	-	-	-	-	22	-	-	-	-	-	-	-	56	2,791	2,912	3,266	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	70	(1,112)	(1,237)	(1,588)	0.395	0.000	0.000	0.000	28	-	-	-
2	25	14	151	1,747	1,744	1,751	-	-	-	-	24	-	-	-	-	-	-	-	56	2,787	2,905	3,257	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	71	(1,072)	(1,191)	(1,536)	0.394	0.000	0.000	0.000	28	-	-	-
2	25	15	152	1,763	1,763	1,773	-	-	-	-	26	-	-	-	-	-	-	-	53	2,727	2,826	3,162	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	73	(996)	(1,096)	(1,423)	0.396	0.000	0.000	0.000	29	-	-	-
2	25	16	152	1,775	1,782	1,799	-	-	-	-	31	-	-	-	-	-	-	-	45	2,343	2,421	2,738	-	47	47	47	-	(1)	(1)	2	-	-	-	-	77	(614)	(685)	(988)	0.404	0.000	0.400	0.000	31	-	(274)	-
2	25	17	152	1,770	1,784	1,806	-	-	-	-	40	-	-	-	-	-	-	-	26	1,382	1,427	1,714	-	47	47	47	-	(2)	(1)	2	-	-	-	-	86	343	311	43	0.402	0.408	0.404	0.395	35	140	126	17
2	25	18	154	1,804	1,822	1,849	-	-	-	-	41	-	-	-	-	-	-	-	3	254	256	505	-	47	47	47	-	1	1	8	-	-	-	-	110	1,502	1,519	1,290	0.403	0.399	0.393	0.377	44	600	597	486
2	25	19	163	1,914	1,940	1,973	-	-	-	-	44	-	-	-	-	-	-	-	-	53	53	300	-	47	47	47	-	(0)	18	15	-	-	-	-	119	1,814	1,823	1,611	0.413	0.405	0.397	0.384	49	734	724	618
2	25	20	160	1,880	1,905	1,937	-	-	-	-	48	-	-	-	-	-	-	-	-	58	58	305	-	47	47	47	-	6	2	20	-	-	-	-	112	1,769	1,798	1,565	0.412	0.403	0.397	0.383	46	714	714	599
2	25	21	153	1,804	1,828	1,859	-	-	-	-	45	-	-	-	-	-	-	-	-	67	67	314	-	47	47	47	-	-	4	5	-	-	-	-	108	1,690	1,711	1,493	0.406	0.402	0.396	0.382	44	680	677	570
2	25	22	143	1,683	1,706	1,735	-	-	-	-	41	-	-	-	-	-	-	-	-	60	60	307	-	47	47	47	-	-	1	5	-	-	-	-	102	1,576	1,599	1,376	0.411	0.399	0.392	0.376	42	628	627	517
2	25	23	130	1,526	1,549	1,576	-	-	-	-	40	-	-	-	-	-	-	-	-	46	46	293	-	47	47	47	-	18	4	2	-	-	-	-	90	1,416	1,452	1,234	0.414	0.397	0.386	0.366	37	562	560	452
2	25	24	137	1,609	1,631	1,657	-	-	-	-	37	-	-	-	-	-	-	-	-	44	44	291	-	47	47	47	-	1	8	1	-	-	-	-	100	1,517	1,531	1,318	0.406	0.392	0.375	0.364	41	594	575	480
2	26	1	107	1,252	1,260	1,273	-	-	-	-	25	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	4	4	(1)	-	-	-	-	82	1,158	1,165	935	0.409	0.387	0.366	0.367	34	449	426	344
2	26	2	102	1,180	1,181	1,187	-	-	-	-	21	-	-	-	-	-	-	-	-	38	38	285	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,095	1,096	856	0.409	0.386	0.368	0.365	33	422	404	313
2	26	3	98	1,133	1,128	1,129	-	-	-	-	19	-	-	-	-	-	-	-	-	39	39	286	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,047	1,045	799	0.408	0.385	0.369	0.366	32	403	385	292
2	26	4	97	1,117	1,107	1,103	-	-	-	-	20	-	-	-	-	-	-	-	-	42	42	289	-	47	47	47	-	15	1	(4)	-	-	-	-	77	1,013	1,017	771	0.408	0.379	0.367	0.366	32	384	373	282
2	26	5	99	1,134	1,119	1,111	-	-	-	-	22	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	1	-	(3)	-	-	-	-	77	1,041	1,027	775	0.409	0.383	0.365	0.365	32	399	375	283
2	26	6	107	1,220	1,200	1,189	-	-	-	-	33	-	-	-	-	-	-	-	-	45	45	292	-	47	47	47	-	14	9	-	-	-	-	-	74	1,115	1,099	850	0.410	0.387	0.365	0.364	30	432	401	309
2	26	7	119	1,363	1,343	1,332	-	-	-	-	38	-	-	-	-	-	-	-	8	547	547	794	-	47	47	47	-	9	9	6	-	-	-	-	73	761	740	486	0.409	0.396	0.377	0.364	30	302	279	177
2	26	8	126	1,442	1,423	1,415	-	-	-	-	37	-	-	-	-	-	-	-	28	1,615	1,640	1,911	-	47	47	47	-	(4)	(1)	-	-	-	-	-	61	(216)	(263)	(542)	0.403	0.403	0.381	0.377	24	(87)	(100)	(204)
2	26	9	131	1,499	1,485	1,483	-	-	-	-	29	-	-	-	-	-	-	-	45	2,330	2,406	2,721	-	47	47	47	-	(3)	(2)	14	-	-	-	-	57	(875)	(966)	(1,299)	0.410	0.409	0.393	0.386	23	(358)	(380)	(501)
2	26	10	136	1,557	1,544	1,543	-	-	-	-	23	-	-	-	-	-	-	-	55	2,700	2,811	3,156	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	58	(1,182)	(1,311)	(1,640)	0.406	0.000	0.000	0.000	23	-	-	-
2	26	11	140	1,611	1,598	1,596	-	-	-	-	22	-	-	-	-	-	-	-	57	2,749	2,875	3,234	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	61	(1,167)	(1,308)	(1,668)	0.403	0.000	0.000	0.000	25	-	-	-
2	26	12	143	1,650	1,638	1,637	-	-	-	-	22	-	-	-	-	-	-	-	58	2,774	2,907	3,273	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	63	(1,156)	(1,299)	(1,664)	0.397	0.000	0.000	0.000	25	-	-	-
2	26	13	145	1,674	1,667	1,669	-	-	-	-	22	-	-	-	-	-	-	-	57	2,756	2,879	3,237	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	66	(1,114)	(1,243)	(1,597)	0.395	0.000	0.000	0.000	26	-	-	-
2	26	14	147	1,705	1,700	1,706	-	-	-	-	24	-	-	-	-	-	-	-	55	2,745	2,858	3,207	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	68	(1,073)	(1,189)	(1,531)	0.394	0.000	0.000	0.000	27	-	-	-
2	26	15	148	1,710	1,709	1,717	-	-	-	-	26	-	-	-	-	-	-	-	53	2,713	2,809	3,142	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	69	(1,035)	(1,133)	(1,459)	0.396	0.000	0.000	0.000	27	-	-	-
2	26	16	146	1,701	1,707	1,722	-	-	-	-	31	-	-	-	-	-	-	-	44	2,386	2,458	2,770	-	47	47	47	-	(1)	(1)	2	-	-	-	-	70	(731)	(797)	(1,097)	0.404	0.000	0.400	0.000	28	-	(319)	-
2	26	17	145	1,697	1,710	1,730	-	-	-	-	40	-	-	-	-	-	-	-	28	1,585	1,627	1,911	-	47	47	47	-	(2)	(1)	2	-	-	-	-	77	67	37	(230)	0.402	0.408	0.404	0.395	31	27	15	(91)
2	26	18	149	1,749	1,767	1,791	-	-	-	-	41	-	-	-	-	-	-	-	4	351	353	601	-	47	47	47	-	1	1	8	-	-	-	-	104	1,350	1,366	1,136	0.403	0.399	0.393	0.377	42	539	537	428
2	26	19	158	1,854	1,879	1,911	-	-	-	-	44	-	-	-	-	-	-	-	-	63	63	310	-	47	47	47	-	(0)	18	15	-	-	-	-	114	1,745	1,752	1,539	0.413	0.405	0.397	0.384	47	706	696	590
2	26	20	154	1,812	1,836	1,866	-	-	-	-	48	-	-	-	-	-	-	-	-	57	57	304	-	47	47	47	-	6	2	20	-	-	-	-	107	1,702	1,730	1,495	0.412	0.403	0.397	0.383	44	687	687	573
2	26	21	148	1,743	1,766	1,796	-	-	-	-	45	-	-	-	-	-	-	-	-	60	60	307	-	47	47	47	-	-	4	5	-	-	-	-	103	1,636	1,655	1,436	0.406	0.402	0.396	0.382	42	658	656	548
2	26	22	140	1,645	1,668	1,695	-	-	-	-	41	-	-	-	-	-	-	-	-	74	74	321	-	47	47	47	-	-	1	5	-	-	-	-	99	1,524	1,546	1,322	0.411	0.399	0.392	0.376	41	608	607	497
2	26	23	129	1,519	1,542	1,569	-	-	-	-	40	-	-	-	-	-	-	-	-	89	89	336	-	47	47	47	-	18	4	2	-	-	-	-	89	1,366	1,402	1,184	0.414	0.397	0.386	0.366	37	542	541	434
2	26	24	135	1,586	1,608	1,634	-	-	-	-	37	-	-	-	-	-	-	-	-	80	80	327	-	47	47	47	-	1	8	1	-	-	-	-	98	1,458	1,473	1,259	0.406	0.392	0.375	0.364	40	572	553	458
2	27	1	108	1,260	1,268	1,280	-	-	-	-	25	-	-	-	-	-	-	-	-	66	66	313	-	47	47	47	-	4	4	(1)	-	-	-	-	83	1,143	1,150	921	0.409	0.387	0.366	0.367	34	443	421	338
2	27	2	102	1,180	1,181	1,187	-	-	-	-	21	-	-	-	-	-	-	-	-	64	64	311	-	47	47	47	-	-	-	(1)	-	-	-	-	81	1,069	1,071	831	0.409	0.386	0.368	0.365	33	412	394	304
2	27	3	98	1,129	1,124	1,124	-	-	-	-	19	-	-	-	-	-	-	-	-	70	70	317	-	47	47	47	-	1	(2)	(2)	-	-	-	-	79	1,011	1,009	763	0.408	0.385	0.369	0.366	32	389	372	279
2	27	4	96	1,103	1,093	1,088	-	-	-	-	20	-	-	-	-	-	-	-	-	72	72	319	-	47	47	47	-	15	1	(4)	-	-	-	-	76	969	973	727	0.408	0.379	0.367	0.366	31	367	357	266
2	27	5	96	1,103	1,087	1,078	-	-	-	-	22	-	-	-	-	-	-	-	-	69	69	316	-	47	47	47	-	1	-	(3)	-	-	-	-	75	987	972	719	0.409	0.383	0.365	0.365	30	378	355	262
2	27	6	99	1,130	1,108	1,093	-	-	-	-	33	-	-	-	-	-	-	-	-	80	80	327	-	47	47	47	-	14	9	-	-	-	-	-	66	990	972	720	0.410	0.387	0.365	0.364	27	383	355	262
2	27	7	103	1,172	1,147	1,131	-	-	-	-	38	-	-	-	-	-	-	-	6	484	484	731	-	47	47	47	-	9	9	6	-	-	-	-	59	633	607	348	0.409	0.396	0.377	0.364	24	251	229	126
2	27	8	108	1,227	1,203	1,190	-	-	-	-	37	-	-	-	-	-	-	-	21	1,292	1,313	1,578	-	47	47	47	-	(4)	(1)	-	-	-	-	-	49	(109)	(156)	(435)	0.403	0.403	0.381	0.377	20	(44)	(59)	(164)
2	27	9	115	1,310	1,292	1,285	-	-	-	-	29	-	-	-	-	-	-	-	34	1,793	1,853	2,154	-	47	47	47	-	(3)	(2)	14	-	-	-	-	52	(526)	(606)	(930)	0.410	0.409	0.393	0.386	21	(215)	(238)	(359)
2	27	10	121	1,380	1,363	1,357	-	-	-	-	23	-	-	-	-	-	-	-	47	2,388	2,482	2,814	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	51	(1,047)	(1,164)	(1,483)	0.406	0.000	0.000	0.000	21	-	-	-
2	27	11	125	1,434	1,417	1,411	-	-	-	-	22	-	-	-	-	-	-	-	47	2,248	2,358	2,703	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	57	(842)	(972)	(1,322)	0.403	0.000	0.000	0.000	23	-	-	-
2	27	12	128	1,464	1,447	1,442	-	-	-	-	22	-	-	-	-	-	-	-	55	2,629	2,757	3,119	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	51	(1,198)	(1,341)	(1,706)	0.397	0.000	0.000	0.000	20	-	-	-
2	27	13	128	1,477	1,465	1,463	-	-	-	-	22	-	-	-	-	-	-	-	49	2,324	2,442	2,794	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	58	(880)	(1,008)	(1,362)	0.395	0.000	0.000	0.000	23	-	-	-
2	27	14	128	1,479	1,469	1,469	-	-	-	-	24	-	-	-	-	-	-	-	49	2,364	2,473	2,817	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	56	(917)	(1,034)	(1,378)	0.394	0.000	0.000	0.000	22	-	-	-
2	27	15	128	1,472	1,465	1,468	-	-	-	-	26	-	-	-	-	-	-	-	48	2,398	2,500	2,837	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	53	(959)	(1,067)	(1,404)	0.396	0.000	0.000	0.000	21	-	-	-
2	27	16	128	1,483	1,484	1,493	-	-	-	-	31	-	-	-	-	-	-	-	42	2,166	2,244	2,560	-	47	47	47	-	(1)	(1)	2	-	-	-	-	55	(729)	(805)	(1,116)	0.404	0.000	0.400	0.000	22	-	(322)	-
2	27	17	129	1,504	1,511	1,527	-	-	-	-	40	-	-	-	-	-	-	-	22	1,178	1,219	1,503	-	47	47	47	-	(2)	(1)	2	-	-	-	-	68	281	246	(25)	0.402	0.408	0.404	0.395	27	115	99	(10)
2	27	18	135	1,572	1,586	1,606	-	-	-	-	41	-	-	-	-	-	-	-	3	224	226	475	-	47	47	47	-	1	1	8	-	-	-	-	91	1,301	1,312	1,077	0.403	0.399	0.393	0.377	37	519	516	405
2	27	19	146	1,716	1,737	1,766	-	-	-	-	44	-	-	-	-	-	-	-	-	52	52	299	-	47	47	47	-	(0)	18	15	-	-	-	-	102	1,618	1,621	1,405	0.413	0.405	0.397	0.384	42	654	644	539
2	27	20	144	1,691	1,712	1,740	-	-	-	-	48	-	-	-	-	-	-	-	-	44	44	291	-	47	47	47	-	6	2	20	-	-	-	-	97	1,595	1,620	1,382	0.412	0.403	0.397	0.383	40	643	643	529
2	27	21	140	1,640	1,661	1,688	-	-	-	-	45	-	-	-	-	-	-	-	-	48	48	295	-	47	47	47	-	-	4	5	-	-	-	-	95	1,546	1,563	1,341	0.406	0.402	0.396	0.382	38	622	619	512
2	27	22	133	1,558	1,578	1,604	-	-	-	-	41	-	-	-	-	-	-	-	-	68	68	315	-	47	47	47	-	-	1	5	-	-	-	-	91	1,443	1,463	1,237	0.411	0.399	0.392	0.376	38	575	574	465
2	27	23	124	1,454	1,476	1,501	-	-	-	-	40	-	-	-	-	-	-	-	-	64	64	311	-	47	47	47	-	18	4	2	-	-	-	-	84	1,326	1,361	1,142	0.414	0.397	0.386	0.366	35	526	525	418

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
2	27	24	124	1,451	1,469	1,492	-	-	-	-	37	-	-	-	-	-	-	-	-	48	48	295	-	47	47	47	-	1	8	1	-	-	-	-	87	1,356	1,367	1,150	0.406	0.392	0.375	0.364	35	531	513	418
2	28	1	106	1,232	1,240	1,252	-	-	-	-	25	-	-	-	-	-	-	-	-	54	54	301	-	47	47	47	-	4	4	(1)	-	-	-	-	81	1,128	1,134	904	0.409	0.387	0.366	0.367	33	437	415	332
2	28	2	100	1,157	1,158	1,163	-	-	-	-	21	-	-	-	-	-	-	-	-	70	70	317	-	47	47	47	-	-	-	(1)	-	-	-	-	79	1,041	1,041	801	0.409	0.386	0.368	0.365	32	401	384	293
2	28	3	96	1,106	1,101	1,101	-	-	-	-	19	-	-	-	-	-	-	-	-	87	87	334	-	47	47	47	-	1	(2)	(2)	-	-	-	-	77	971	968	722	0.408	0.385	0.369	0.366	31	374	357	264
2	28	4	94	1,075	1,064	1,060	-	-	-	-	20	-	-	-	-	-	-	-	-	91	91	338	-	47	47	47	-	15	1	(4)	-	-	-	-	74	922	925	678	0.408	0.379	0.367	0.366	30	349	339	248
2	28	5	93	1,065	1,048	1,038	-	-	-	-	22	-	-	-	-	-	-	-	-	91	91	338	-	47	47	47	-	1	-	(3)	-	-	-	-	71	926	911	657	0.409	0.383	0.365	0.365	29	355	333	240
2	28	6	95	1,081	1,058	1,042	-	-	-	-	33	-	-	-	-	-	-	-	-	89	89	336	-	47	47	47	-	14	9	-	-	-	-	-	62	932	913	660	0.410	0.387	0.365	0.364	25	361	333	240
2	28	7	97	1,103	1,076	1,059	-	-	-	-	38	-	-	-	-	-	-	-	6	451	451	698	-	47	47	47	-	9	9	6	-	-	-	-	54	597	570	308	0.409	0.396	0.377	0.364	22	236	215	112
2	28	8	100	1,133	1,106	1,091	-	-	-	-	37	-	-	-	-	-	-	-	26	1,483	1,510	1,781	-	47	47	47	-	(4)	(1)	-	-	-	-	-	37	(393)	(449)	(737)	0.403	0.403	0.381	0.377	15	(159)	(171)	(278)
2	28	9	106	1,211	1,190	1,181	-	-	-	-	29	-	-	-	-	-	-	-	45	2,348	2,426	2,744	-	47	47	47	-	(3)	(2)	14	-	-	-	-	32	(1,180)	(1,281)	(1,623)	0.410	0.409	0.393	0.386	13	(483)	(503)	(626)
2	28	10	112	1,274	1,254	1,246	-	-	-	-	23	-	-	-	-	-	-	-	56	2,746	2,866	3,221	-	47	47	47	-	(7)	(2)	(20)	-	-	-	-	32	(1,511)	(1,657)	(2,002)	0.406	0.000	0.000	0.000	13	-	-	-
2	28	11	116	1,320	1,299	1,290	-	-	-	-	22	-	-	-	-	-	-	-	59	2,787	2,921	3,287	-	47	47	47	-	(18)	(16)	(16)	-	-	-	-	35	(1,496)	(1,652)	(2,027)	0.403	0.000	0.000	0.000	14	-	-	-
2	28	12	119	1,359	1,340	1,331	-	-	-	-	22	-	-	-	-	-	-	-	60	2,816	2,960	3,336	-	47	47	47	-	(14)	(16)	(18)	-	-	-	-	37	(1,490)	(1,651)	(2,033)	0.397	0.000	0.000	0.000	14	-	-	-
2	28	13	121	1,392	1,378	1,373	-	-	-	-	22	-	-	-	-	-	-	-	60	2,821	2,966	3,344	-	47	47	47	-	(14)	(16)	(17)	-	-	-	-	39	(1,461)	(1,619)	(2,000)	0.395	0.000	0.000	0.000	15	-	-	-
2	28	14	123	1,415	1,404	1,403	-	-	-	-	24	-	-	-	-	-	-	-	59	2,805	2,944	3,316	-	47	47	47	-	(14)	(16)	(16)	-	-	-	-	40	(1,422)	(1,570)	(1,943)	0.394	0.000	0.000	0.000	16	-	-	-
2	28	15	124	1,432	1,424	1,425	-	-	-	-	26	-	-	-	-	-	-	-	54	2,525	2,655	3,018	-	47	47	47	-	(14)	(14)	(13)	-	-	-	-	44	(1,126)	(1,264)	(1,627)	0.396	0.000	0.000	0.000	18	-	-	-
2	28	16	126	1,464	1,464	1,473	-	-	-	-	31	-	-	-	-	-	-	-	50	2,440	2,546	2,889	-	47	47	47	-	(1)	(1)	2	-	-	-	-	45	(1,022)	(1,127)	(1,464)	0.404	0.000	0.400	0.000	18	-	(451)	-
2	28	17	129	1,498	1,505	1,520	-	-	-	-	40	-	-	-	-	-	-	-	33	1,682	1,742	2,044	-	47	47	47	-	(2)	(1)	2	-	-	-	-	56	(229)	(283)	(572)	0.402	0.408	0.404	0.395	23	(93)	(114)	(226)
2	28	18	137	1,599	1,612	1,633	-	-	-	-	41	-	-	-	-	-	-	-	6	380	384	635	-	47	47	47	-	1	1	8	-	-	-	-	90	1,171	1,181	944	0.403	0.399	0.393	0.377	36	468	464	355
2	28	19	149	1,749	1,771	1,801	-	-	-	-	44	-	-	-	-	-	-	-	-	70	70	317	-	47	47	47	-	(0)	18	15	-	-	-	-	105	1,633	1,637	1,422	0.413	0.405	0.397	0.384	43	661	651	546
2	28	20	148	1,736	1,758	1,786	-	-	-	-	48	-	-	-	-	-	-	-	-	60	60	307	-	47	47	47	-	6	2	20	-	-	-	-	100	1,624	1,649	1,413	0.412	0.403	0.397	0.383	41	655	655	541
2	28	21	143	1,678	1,700	1,728	-	-	-	-	45	-	-	-	-	-	-	-	-	36	36	283	-	47	47	47	-	-	4	5	-	-	-	-	98	1,596	1,614	1,393	0.406	0.402	0.396	0.382	40	642	639	531
2	28	22	135	1,586	1,608	1,634	-	-	-	-	41	-	-	-	-	-	-	-	-	32	32	279	-	47	47	47	-	-	1	5	-	-	-	-	94	1,507	1,528	1,303	0.411	0.399	0.392	0.376	39	601	599	490
2	28	23	123	1,447	1,468	1,494	-	-	-	-	40	-	-	-	-	-	-	-	-	32	32	279	-	47	47	47	-	18	4	2	-	-	-	-	83	1,351	1,385	1,166	0.414	0.397	0.386	0.366	34	536	535	427
2	28	24	118	1,388	1,405	1,426	-	-	-	-	37	-	-	-	-	-	-	-	-	37	37	284	-	47	47	47	-	1	8	1	-	-	-	-	81	1,303	1,313	1,094	0.406	0.392	0.375	0.364	33	511	493	398
3	1	1	107	1,255	1,264	1,277	-	-	-	-	31	-	-	-	-	-	-	-	-	36	36	283	-	68	68	68	-	6	8	1	-	-	-	-	76	1,146	1,153	926	0.413	0.404	0.377	0.364	31	463	434	337
3	1	2	102	1,184	1,185	1,192	-	-	-	-	30	-	-	-	-	-	-	-	-	44	44	291	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,071	1,069	833	0.412	0.406	0.373	0.364	30	435	398	303
3	1	3	98	1,138	1,133	1,134	-	-	-	-	31	-	-	-	-	-	-	-	-	43	43	290	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,026	1,019	777	0.412	0.406	0.374	0.365	28	417	381	283
3	1	4	97	1,117	1,107	1,103	-	-	-	-	31	-	-	-	-	-	-	-	-	33	33	280	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,015	1,001	756	0.412	0.406	0.376	0.365	27	412	376	276
3	1	5	99	1,136	1,121	1,112	-	-	-	-	36	-	-	-	-	-	-	-	-	19	19	266	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,045	1,025	779	0.412	0.407	0.377	0.366	26	426	387	285
3	1	6	107	1,224	1,206	1,195	-	-	-	-	45	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	13	9	6	-	-	-	-	62	1,136	1,121	867	0.411	0.409	0.388	0.366	25	464	435	318
3	1	7	119	1,360	1,340	1,330	-	-	-	-	46	-	-	-	-	-	-	-	9	580	580	827	-	68	68	68	-	3	2	2	-	-	-	-	63	709	691	432	0.411	0.410	0.394	0.379	26	291	272	164
3	1	8	127	1,449	1,431	1,424	-	-	-	-	42	-	-	-	-	-	-	-	30	1,689	1,719	1,993	-	68	68	68	-	(2)	1	3	-	-	-	-	54	(305)	(357)	(640)	0.409	0.286	0.405	0.395	22	(87)	(144)	(253)
3	1	9	131	1,505	1,490	1,488	-	-	-	-	37	-	-	-	-	-	-	-	47	2,341	2,427	2,751	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	47	(898)	(1,000)	(1,325)	0.409	0.272	0.263	0.268	19	(245)	(263)	(356)
3	1	10	135	1,555	1,540	1,539	-	-	-	-	35	-	-	-	-	-	-	-	58	2,720	2,852	3,216	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	42	(1,218)	(1,367)	(1,733)	0.403	0.269	0.266	0.087	17	(327)	(363)	(151)
3	1	11	140	1,608	1,593	1,591	-	-	-	-	33	-	-	-	-	-	-	-	62	2,797	2,954	3,342	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	44	(1,244)	(1,417)	(1,807)	0.397	0.270	0.269	0.000	18	(335)	(381)	-
3	1	12	144	1,657	1,644	1,642	-	-	-	-	31	-	-	-	-	-	-	-	64	2,833	3,003	3,403	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	49	(1,228)	(1,412)	(1,813)	0.398	0.270	0.270	0.000	19	(331)	(381)	-
3	1	13	146	1,685	1,676	1,677	-	-	-	-	30	-	-	-	-	-	-	-	63	2,814	2,977	3,370	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	53	(1,180)	(1,353)	(1,744)	0.399	0.270	0.270	0.000	21	(318)	(365)	-
3	1	14	148	1,714	1,707	1,711	-	-	-	-	33	-	-	-	-	-	-	-	63	2,807	2,968	3,359	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	52	(1,145)	(1,313)	(1,704)	0.398	0.270	0.270	0.000	21	(309)	(354)	-
3	1	15	150	1,733	1,730	1,737	-	-	-	-	35	-	-	-	-	-	-	-	60	2,766	2,911	3,289	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	54	(1,090)	(1,240)	(1,612)	0.401	0.270	0.270	0.000	22	(294)	(335)	-
3	1	16	150	1,743	1,747	1,761	-	-	-	-	36	-	-	-	-	-	-	-	48	2,239	2,353	2,701	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	65	(561)	(671)	(1,007)	0.409	0.261	0.263	0.185	27	(147)	(176)	(187)
3	1	17	149	1,745	1,757	1,778	-	-	-	-	41	-	-	-	-	-	-	-	32	1,537	1,604	1,911	-	68	68	68	-	(0)	1	1	-	-	-	-	77	141	85	(201)	0.408	0.283	0.381	0.384	31	40	32	(77)
3	1	18	152	1,781	1,801	1,829	-	-	-	-	47	-	-	-	-	-	-	-	5	303	308	559	-	68	68	68	-	(1)	(0)	4	-	-	-	-	100	1,412	1,426	1,198	0.406	0.412	0.392	0.385	41	581	559	461
3	1	19	163	1,919	1,946	1,980	-	-	-	-	49	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	5	(0)	9	-	-	-	-	114	1,819	1,852	1,629	0.418	0.420	0.400	0.389	48	765	741	633
3	1	20	161	1,893	1,921	1,955	-	-	-	-	50	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	13	1	6	-	-	-	-	111	1,786	1,825	1,607	0.417	0.422	0.401	0.389	46	753	732	626
3	1	21	155	1,818	1,845	1,877	-	-	-	-	50	-	-	-	-	-	-	-	-	26	26	273	-	68	68	68	-	8	4	11	-	-	-	-	104	1,717	1,747	1,526	0.407	0.412	0.397	0.387	42	708	694	590
3	1	22	144	1,696	1,722	1,754	-	-	-	-	49	-	-	-	-	-	-	-	-	26	26	273	-	68	68	68	-	4	2	5	-	-	-	-	95	1,598	1,627	1,408	0.409	0.407	0.394	0.381	39	650	641	536
3	1	23	130	1,526	1,551	1,579	-	-	-	-	43	-	-	-	-	-	-	-	-	32	32	279	-	68	68	68	-	4	4	5	-	-	-	-	87	1,423	1,447	1,228	0.414	0.406	0.389	0.370	36	577	563	454
3	1	24	135	1,593	1,615	1,642	-	-	-	-	38	-	-	-	-	-	-	-	-	30	30	277	-	68	68	68	-	4	2	1	-	-	-	-	97	1,491	1,515	1,296	0.413	0.407	0.383	0.364	40	607	581	472
3	2	1	107	1,251	1,259	1,272	-	-	-	-	31	-	-	-	-	-	-	-	-	26	26	273	-	68	68	68	-	6	8	1	-	-	-	-	76	1,151	1,157	930	0.413	0.404	0.377	0.364	31	465	436	339
3	2	2	102	1,180	1,182	1,188	-	-	-	-	30	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,095	1,093	857	0.412	0.406	0.373	0.364	30	445	407	312
3	2	3	98	1,130	1,125	1,125	-	-	-	-	31	-	-	-	-	-	-	-	-	12	12	259	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,048	1,041	799	0.412	0.406	0.374	0.365	28	426	389	291
3	2	4	97	1,114	1,104	1,100	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,037	1,022	777	0.412	0.406	0.376	0.365	27	421	384	283
3	2	5	99	1,134	1,118	1,110	-	-	-	-	36	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,059	1,038	793	0.412	0.407	0.377	0.366	26	431	392	290
3	2	6	107	1,226	1,207	1,196	-	-	-	-	45	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	13	9	6	-	-	-	-	62	1,145	1,130	876	0.411	0.409	0.388	0.366	25	468	439	321
3	2	7	119	1,362	1,341	1,331	-	-	-	-	46	-	-	-	-	-	-	-	8	477	477	725	-	68	68	68	-	3	2	2	-	-	-	-	65	813	795	536	0.411	0.410	0.394	0.379	27	334	313	203
3	2	8	127	1,455	1,437	1,430	-	-	-	-	42	-	-	-	-	-	-	-	30	1,648	1,679	1,954	-	68	68	68	-	(2)	1	3	-	-	-	-	55	(258)	(311)	(595)	0.409	0.286	0.405	0.395	22	(74)	(126)	(235)
3	2	9	131	1,501	1,486	1,484	-	-	-	-	37	-	-	-	-	-	-	-	48	2,368	2,460	2,789	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	46	(929)	(1,037)	(1,366)	0.409	0.272	0.263	0.268	19	(253)	(272)	(367)
3	2	10	136	1,558	1,543	1,541	-	-	-	-	35	-	-	-	-	-	-	-	59	2,751	2,889	3,260	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	42	(1,247)	(1,402)	(1,774)	0.403	0.269	0.266	0.087	17	(335)	(373)	(155)
3	2	11	139	1,602	1,587	1,584	-	-	-	-	33	-	-	-	-	-	-	-	64	2,842	3,009	3,406	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,295)	(1,478)	(1,876)	0.397	0.270	0.269	0.000	17	(349)	(397)	-
3	2	12	142	1,633	1,619	1,617	-	-	-	-	31	-	-	-	-	-	-	-	67	2,894	3,079	3,491	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	44	(1,312)	(1,512)	(1,926)	0.398	0.270	0.270	0.000	18	(354)	(408)	-
3	2	13	143	1,654	1,644	1,645	-	-	-	-	30	-	-	-	-	-	-	-	67	2,896	3,081	3,494	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	46	(1,293)	(1,489)	(1,900)	0.399	0.270	0.270	0.000	18	(349)	(402)	-
3	2	14	145	1,677	1,669	1,673	-	-	-	-	33	-	-	-	-	-	-	-	66	2,885	3,064	3,472	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	46	(1,260)	(1,448)	(1,856)	0.398	0.270	0.270	0.000	18	(340)	(390)	-
3	2	15	144	1,670	1,665	1,671	-	-	-	-	35	-	-	-	-	-	-	-	63	2,836	2,999	3,392	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	46	(1,223)	(1,393)	(1,782)	0.401	0.270	0.270	0.000	18	(330)	(376)	-
3	2	16	145	1,678	1,681	1,693	-	-	-	-	36	-	-	-	-	-	-	-	54	2,487	2,617	2,981	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	54	(873)	(1,001)	(1,354)	0.409	0.261	0.263	0.185	22	(228)	(263)	(251)
3	2	17	144	1,686	1,697	1,716	-	-	-	-	41	-	-	-	-	-	-	-	33	1,615	1,686	1,996	-	68	68	68	-	(0)	1	1	-	-	-	-	70	4	(57)	(348)	0.408	0.283	0.381	0.384	29	1	(22)	(134)
3	2	18	149	1,747	1,766	1,792	-	-	-	-	47	-	-	-	-	-	-	-	6	361	367	619	-	68	68	68	-	(1)	(0)	4	-	-	-	-	96	1,319	1,331	1,101	0.406	0.412	0.392	0.385	39	543	522	423
3	2	19	161	1,889	1,915	1,948	-	-	-	-	49	-	-	-	-	-	-	-	0	29	29	276	-	68	68	68	-	5	(0)	9	-	-	-	-	111	1,788	1,819	1,596	0.418	0.420	0.400	0.389	47	752	728	620
3	2	20	159	1,869	1,896	1,929	-	-	-	-	50	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	13	1	6	-	-	-	-	109	1,761	1,800	1,581	0.417	0.422	0.401	0.389	45	743	722	616
3	2	21	153	1,797	1,824	1,855	-	-	-	-	50	-	-	-	-	-	-	-	-	24	24	271	-	68	68	68	-	8	4	11	-	-	-	-	102	1,698	1,728	1,506	0.407	0.412	0.397	0.387	42	700	686	582
3	2	22	143	1,682	1,707	1,738	-	-	-	-	49	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	4	2	5	-	-	-	-	94	1,589	1,618	1,399	0.409	0.407	0.394	0.381	39	647	638	533
3	2	23	129	1,518	1,542	1,570	-	-	-	-	43	-	-	-	-	-	-	-	-	22	22	269	-	68	68	68	-	4	4	5	-	-	-	-	86	1,424	1,448	1,229	0.414	0.406	0.389	0.370	36	578	564	455
3	2	24	134	1,570	1,592	1,618	-	-	-	-	38	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	4	2	1	-	-	-	-	95	1,480	1,504	1,284	0.413	0.407	0.383	0.364	39	602	576	468
3	3	1	107	1,249	1,258	1,270	-	-	-	-	31	-	-	-	-	-	-	-	-	19	19	266	-	68	68	68	-	6	8	1	-	-	-	-	76	1,157	1,163	936	0.413	0.404	0.377	0.364	31	468	438	341
3	3	2	101	1,179	1,180	1,187	-	-	-	-	30	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,091	1,088	853	0.412	0.406	0.373	0.364	30	443	406	310
3	3	3	98	1,127	1,122	1,123	-	-	-	-	31	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,038	1,031	788	0.412	0.406	0.374	0.365	27	422	385	287
3	3	4	95	1,095	1,085	1,080	-	-	-	-	31	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	1	5	(0)	-	-	-	-	65	1,009	994	748	0.412	0.406	0.376	0.365	27	410	374	273
3	3	5	97	1,115	1,099	1,090	-	-	-	-	36	-	-	-	-	-	-	-	-	15	15	262	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,028	1,007	761	0.412	0.407	0.377	0.366	25	418	380	279
3	3	6	106	1,207	1,188	1,177	-	-	-	-	45	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	13	9	6	-	-	-	-	60	1,111	1,095	840	0.411	0.409	0.388	0.366	25	454	425	308
3	3	7	118	1,349	1,328	1,317	-	-	-	-	46	-	-	-	-	-	-	-	8	544	545	792	-	68	68	68	-	3	2	2	-	-	-	-	63	734	715	456	0.411	0.410	0.394	0.379	26	301	282	173
3	3	8	125	1,433	1,414	1,406	-	-	-	-	42	-	-	-	-	-	-	-	30	1,662	1,695	1,971	-	68	68	68	-	(2)	1	3	-	-	-	-	53	(294)	(349)	(636)	0.409	0.286	0.405	0.395	22	(84)	(141)	(251)
3	3	9	129	1,482	1,466	1,463	-	-	-	-	37	-	-	-	-	-	-	-	48	2,369	2,464	2,796	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	44	(950)	(1,061)	(1,395)	0.409	0.272	0.263	0.268	18	(259)	(279)	(374)
3	3	10	134	1,536	1,520	1,518	-	-	-	-	35	-	-	-	-	-	-	-	60	2,771	2,910	3,283	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	39	(1,288)	(1,446)	(1,820)	0.403	0.269	0.266	0.087	16	(346)	(384)	(159)
3	3	11	138	1,580	1,564	1,561	-	-	-	-	33	-	-	-	-	-	-	-	64	2,868	3,038	3,438	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	40	(1,343)	(1,530)	(1,932)	0.397	0.270	0.269	0.000	16	(362)	(411)	-
3	3	12	141	1,617	1,603	1,600	-	-	-	-	31	-	-	-	-	-	-	-	67	2,922	3,109	3,523	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	43	(1,356)	(1,558)	(1,975)	0.398	0.270	0.270	0.000	17	(366)	(420)	-
3	3	13	142	1,635	1,624	1,624	-	-	-	-	30	-	-	-	-	-	-	-	67	2,929	3,117	3,532	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	44	(1,346)	(1,545)	(1,959)	0.399	0.270	0.270	0.000	18	(363)	(417)	-
3	3	14	142	1,644	1,636	1,638	-	-	-	-	33	-	-	-	-	-	-	-	66	2,907	3,086	3,494	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	43	(1,315)	(1,503)	(1,913)	0.398	0.270	0.270	0.000	17	(355)	(405)	-
3	3	15	142	1,646	1,640	1,645	-	-	-	-	35	-	-	-	-	-	-	-	63	2,857	3,018	3,408	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	45	(1,268)	(1,436)	(1,824)	0.401	0.270	0.270	0.000	18	(342)	(387)	-
3	3	16	141	1,639	1,640	1,651	-	-	-	-	36	-	-	-	-	-	-	-	53	2,495	2,624	2,986	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	51	(921)	(1,048)	(1,401)	0.409	0.261	0.263	0.185	21	(241)	(276)	(260)
3	3	17	141	1,642	1,652	1,670	-	-	-	-	41	-	-	-	-	-	-	-	32	1,603	1,671	1,979	-	68	68	68	-	(0)	1	1	-	-	-	-	67	(29)	(88)	(378)	0.408	0.283	0.381	0.384	27	(8)	(33)	(145)
3	3	18	146	1,711	1,729	1,754	-	-	-	-	47	-	-	-	-	-	-	-	6	387	394	647	-	68	68	68	-	(1)	(0)	4	-	-	-	-	93	1,257	1,267	1,035	0.406	0.412	0.392	0.385	38	517	497	398
3	3	19	158	1,853	1,878	1,910	-	-	-	-	49	-	-	-	-	-	-	-	0	43	43	290	-	68	68	68	-	5	(0)	9	-	-	-	-	108	1,737	1,767	1,543	0.418	0.420	0.400	0.389	45	730	707	600
3	3	20	156	1,835	1,861	1,894	-	-	-	-	50	-	-	-	-	-	-	-	-	33	33	280	-	68	68	68	-	13	1	6	-	-	-	-	106	1,722	1,759	1,539	0.417	0.422	0.401	0.389	44	726	705	599
3	3	21	151	1,771	1,796	1,827	-	-	-	-	50	-	-	-	-	-	-	-	-	22	22	269	-	68	68	68	-	8	4	11	-	-	-	-	100	1,674	1,703	1,480	0.407	0.412	0.397	0.387	41	690	676	572
3	3	22	141	1,656	1,681	1,712	-	-	-	-	49	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	4	2	5	-	-	-	-	92	1,567	1,595	1,376	0.409	0.407	0.394	0.381	38	638	629	524
3	3	23	127	1,499	1,522	1,550	-	-	-	-	43	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	4	4	5	-	-	-	-	85	1,411	1,434	1,214	0.414	0.406	0.389	0.370	35	572	558	449
3	3	24	132	1,556	1,577	1,603	-	-	-	-	38	-	-	-	-	-	-	-	-	15	15	262	-	68	68	68	-	4	2	1	-	-	-	-	94	1,469	1,493	1,272	0.413	0.407	0.383	0.364	39	598	572	463
3	4	1	106	1,234	1,241	1,254	-	-	-	-	31	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	6	8	1	-	-	-	-	74	1,146	1,152	924	0.413	0.404	0.377	0.364	31	463	434	336
3	4	2	100	1,166	1,167	1,173	-	-	-	-	30	-	-	-	-	-	-	-	-	11	11	258	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,086	1,083	847	0.412	0.406	0.373	0.364	29	441	404	308
3	4	3	97	1,120	1,115	1,115	-	-	-	-	31	-	-	-	-	-	-	-	-	10	10	257	-	68	68	68	-	2	4	(0)	-	-	-	-	66	1,041	1,034	791	0.412	0.406	0.374	0.365	27	423	386	288
3	4	4	96	1,101	1,091	1,086	-	-	-	-	31	-	-	-	-	-	-	-	-	10	10	257	-	68	68	68	-	1	5	(0)	-	-	-	-	65	1,023	1,008	762	0.412	0.406	0.376	0.365	27	416	379	278
3	4	5	98	1,122	1,106	1,097	-	-	-	-	36	-	-	-	-	-	-	-	-	10	10	257	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,040	1,020	773	0.412	0.407	0.377	0.366	26	424	385	283
3	4	6	106	1,213	1,194	1,183	-	-	-	-	45	-	-	-	-	-	-	-	-	10	10	257	-	68	68	68	-	13	9	6	-	-	-	-	61	1,123	1,108	853	0.411	0.409	0.388	0.366	25	459	430	313
3	4	7	118	1,348	1,327	1,316	-	-	-	-	46	-	-	-	-	-	-	-	8	502	502	749	-	68	68	68	-	3	2	2	-	-	-	-	64	775	756	497	0.411	0.410	0.394	0.379	26	318	298	188
3	4	8	126	1,438	1,419	1,411	-	-	-	-	42	-	-	-	-	-	-	-	28	1,569	1,599	1,872	-	68	68	68	-	(2)	1	3	-	-	-	-	55	(196)	(249)	(532)	0.409	0.286	0.405	0.395	22	(56)	(101)	(210)
3	4	9	130	1,489	1,473	1,470	-	-	-	-	37	-	-	-	-	-	-	-	45	2,245	2,329	2,652	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	47	(818)	(919)	(1,243)	0.409	0.272	0.263	0.268	19	(223)	(242)	(334)
3	4	10	135	1,544	1,529	1,526	-	-	-	-	35	-	-	-	-	-	-	-	55	2,579	2,700	3,055	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	45	(1,088)	(1,227)	(1,584)	0.403	0.269	0.266	0.087	18	(292)	(326)	(138)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	4	11	137	1,578	1,563	1,560	-	-	-	-	33	-	-	-	-	-	-	-	61	2,778	2,926	3,305	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	43	(1,254)	(1,419)	(1,801)	0.397	0.270	0.269	0.000	17	(338)	(381)	-
3	4	12	139	1,599	1,585	1,581	-	-	-	-	31	-	-	-	-	-	-	-	63	2,826	2,988	3,381	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	45	(1,278)	(1,456)	(1,852)	0.398	0.270	0.270	0.000	18	(345)	(393)	-
3	4	13	139	1,596	1,585	1,584	-	-	-	-	30	-	-	-	-	-	-	-	63	2,827	2,989	3,382	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	45	(1,282)	(1,457)	(1,850)	0.399	0.270	0.270	0.000	18	(346)	(393)	-
3	4	14	139	1,606	1,597	1,598	-	-	-	-	33	-	-	-	-	-	-	-	61	2,790	2,941	3,322	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	45	(1,236)	(1,397)	(1,781)	0.398	0.270	0.270	0.000	18	(333)	(377)	-
3	4	15	139	1,611	1,605	1,609	-	-	-	-	35	-	-	-	-	-	-	-	52	2,424	2,545	2,900	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	52	(870)	(999)	(1,353)	0.401	0.270	0.270	0.000	21	(235)	(270)	-
3	4	16	138	1,596	1,596	1,606	-	-	-	-	36	-	-	-	-	-	-	-	41	1,948	2,034	2,358	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	61	(417)	(503)	(819)	0.409	0.261	0.263	0.185	25	(109)	(132)	(152)
3	4	17	137	1,600	1,609	1,626	-	-	-	-	41	-	-	-	-	-	-	-	20	989	1,028	1,311	-	68	68	68	-	(0)	1	1	-	-	-	-	76	544	512	247	0.408	0.283	0.381	0.384	31	154	195	95
3	4	18	142	1,666	1,684	1,708	-	-	-	-	47	-	-	-	-	-	-	-	3	152	155	405	-	68	68	68	-	(1)	(0)	4	-	-	-	-	92	1,447	1,461	1,231	0.406	0.412	0.392	0.385	38	596	573	474
3	4	19	154	1,807	1,832	1,863	-	-	-	-	49	-	-	-	-	-	-	-	0	5	5	252	-	68	68	68	-	5	(0)	9	-	-	-	-	105	1,730	1,760	1,534	0.418	0.420	0.400	0.389	44	728	704	596
3	4	20	152	1,788	1,813	1,844	-	-	-	-	50	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	13	1	6	-	-	-	-	102	1,707	1,743	1,522	0.417	0.422	0.401	0.389	42	720	699	593
3	4	21	146	1,721	1,745	1,775	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	8	4	11	-	-	-	-	96	1,646	1,673	1,450	0.407	0.412	0.397	0.387	39	678	665	560
3	4	22	139	1,635	1,659	1,689	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	5	-	-	-	-	90	1,563	1,590	1,370	0.409	0.407	0.394	0.381	37	636	627	522
3	4	23	128	1,508	1,532	1,560	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	4	5	-	-	-	-	85	1,437	1,460	1,241	0.414	0.406	0.389	0.370	35	583	568	459
3	4	24	131	1,537	1,557	1,582	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	1	-	-	-	-	93	1,465	1,488	1,267	0.413	0.407	0.383	0.364	38	596	570	461
3	5	1	107	1,254	1,262	1,275	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	6	8	1	-	-	-	-	76	1,181	1,187	960	0.413	0.404	0.377	0.364	31	477	447	349
3	5	2	101	1,175	1,176	1,183	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,107	1,104	869	0.412	0.406	0.373	0.364	29	449	411	316
3	5	3	97	1,120	1,115	1,115	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	66	1,051	1,044	801	0.412	0.406	0.374	0.365	27	427	390	292
3	5	4	95	1,093	1,082	1,077	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	64	1,024	1,009	763	0.412	0.406	0.376	0.365	26	416	379	278
3	5	5	95	1,089	1,073	1,063	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	59	1,018	996	750	0.412	0.407	0.377	0.366	24	414	376	275
3	5	6	99	1,127	1,106	1,093	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	13	9	6	-	-	-	-	54	1,047	1,029	773	0.411	0.409	0.388	0.366	22	428	400	283
3	5	7	103	1,167	1,142	1,126	-	-	-	-	46	-	-	-	-	-	-	-	6	369	370	617	-	68	68	68	-	3	2	2	-	-	-	-	50	726	703	439	0.411	0.410	0.394	0.379	21	298	277	166
3	5	8	108	1,232	1,208	1,195	-	-	-	-	42	-	-	-	-	-	-	-	27	1,474	1,505	1,781	-	68	68	68	-	(2)	1	3	-	-	-	-	39	(308)	(366)	(656)	0.409	0.286	0.405	0.395	16	(88)	(148)	(260)
3	5	9	117	1,340	1,321	1,314	-	-	-	-	37	-	-	-	-	-	-	-	45	2,240	2,326	2,651	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	35	(962)	(1,069)	(1,399)	0.409	0.272	0.263	0.268	14	(262)	(281)	(375)
3	5	10	123	1,404	1,385	1,379	-	-	-	-	35	-	-	-	-	-	-	-	57	2,641	2,770	3,132	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	31	(1,291)	(1,441)	(1,809)	0.403	0.269	0.266	0.087	13	(347)	(383)	(158)
3	5	11	126	1,440	1,422	1,415	-	-	-	-	33	-	-	-	-	-	-	-	62	2,787	2,942	3,327	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	31	(1,402)	(1,576)	(1,967)	0.397	0.270	0.269	0.000	12	(378)	(424)	-
3	5	12	127	1,457	1,440	1,433	-	-	-	-	31	-	-	-	-	-	-	-	64	2,834	3,004	3,404	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	32	(1,428)	(1,617)	(2,023)	0.398	0.270	0.270	0.000	13	(385)	(436)	-
3	5	13	128	1,469	1,454	1,450	-	-	-	-	30	-	-	-	-	-	-	-	65	2,835	3,005	3,405	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	33	(1,417)	(1,603)	(2,006)	0.399	0.270	0.270	0.000	13	(382)	(432)	-
3	5	14	126	1,453	1,441	1,438	-	-	-	-	33	-	-	-	-	-	-	-	64	2,818	2,982	3,377	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	30	(1,416)	(1,594)	(1,995)	0.398	0.270	0.270	0.000	12	(382)	(430)	-
3	5	15	124	1,431	1,421	1,420	-	-	-	-	35	-	-	-	-	-	-	-	58	2,651	2,793	3,166	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	31	(1,277)	(1,431)	(1,807)	0.401	0.270	0.270	0.000	12	(344)	(386)	-
3	5	16	124	1,436	1,433	1,439	-	-	-	-	36	-	-	-	-	-	-	-	49	2,277	2,392	2,741	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	38	(906)	(1,024)	(1,369)	0.409	0.261	0.263	0.185	16	(237)	(269)	(254)
3	5	17	126	1,465	1,471	1,485	-	-	-	-	41	-	-	-	-	-	-	-	29	1,364	1,426	1,730	-	68	68	68	-	(0)	1	1	-	-	-	-	56	34	(23)	(313)	0.408	0.283	0.381	0.384	23	10	(9)	(120)
3	5	18	133	1,558	1,573	1,594	-	-	-	-	47	-	-	-	-	-	-	-	6	307	312	565	-	68	68	68	-	(1)	(0)	4	-	-	-	-	80	1,184	1,193	958	0.406	0.412	0.392	0.385	33	487	468	368
3	5	19	144	1,694	1,716	1,744	-	-	-	-	49	-	-	-	-	-	-	-	0	0	0	247	-	68	68	68	-	5	(0)	9	-	-	-	-	95	1,622	1,649	1,420	0.418	0.420	0.400	0.389	40	682	660	552
3	5	20	143	1,684	1,706	1,735	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	13	1	6	-	-	-	-	93	1,603	1,638	1,414	0.417	0.422	0.401	0.389	39	677	657	551
3	5	21	139	1,636	1,658	1,686	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	8	4	11	-	-	-	-	89	1,561	1,587	1,361	0.407	0.412	0.397	0.387	36	643	630	526
3	5	22	133	1,561	1,584	1,612	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	5	-	-	-	-	84	1,489	1,514	1,292	0.409	0.407	0.394	0.381	34	606	597	492
3	5	23	124	1,458	1,481	1,507	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	4	5	-	-	-	-	81	1,387	1,409	1,188	0.414	0.406	0.389	0.370	34	562	549	440
3	5	24	124	1,457	1,475	1,499	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	1	-	-	-	-	86	1,385	1,406	1,183	0.413	0.407	0.383	0.364	35	564	539	431
3	6	1	105	1,231	1,239	1,251	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	6	8	1	-	-	-	-	74	1,158	1,164	936	0.413	0.404	0.377	0.364	31	468	439	341
3	6	2	100	1,159	1,159	1,165	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	0	5	(1)	-	-	-	-	70	1,091	1,087	851	0.412	0.406	0.373	0.364	29	443	405	310
3	6	3	96	1,109	1,104	1,104	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	65	1,040	1,033	789	0.412	0.406	0.374	0.365	27	423	386	288
3	6	4	94	1,081	1,070	1,065	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	63	1,013	997	751	0.412	0.406	0.376	0.365	26	411	375	274
3	6	5	93	1,068	1,051	1,041	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	58	997	974	727	0.412	0.407	0.377	0.366	24	406	368	266
3	6	6	95	1,081	1,059	1,044	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	13	9	6	-	-	-	-	50	1,001	982	724	0.411	0.409	0.388	0.366	20	409	381	265
3	6	7	96	1,093	1,066	1,048	-	-	-	-	46	-	-	-	-	-	-	-	1	53	53	300	-	68	68	68	-	3	2	2	-	-	-	-	49	969	944	678	0.411	0.410	0.394	0.379	20	398	372	257
3	6	8	100	1,129	1,103	1,087	-	-	-	-	42	-	-	-	-	-	-	-	6	245	265	531	-	68	68	68	-	(2)	1	3	-	-	-	-	51	819	768	486	0.409	0.286	0.405	0.395	21	234	311	192
3	6	9	105	1,199	1,176	1,166	-	-	-	-	37	-	-	-	-	-	-	-	30	1,332	1,407	1,721	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	38	(196)	(294)	(616)	0.409	0.272	0.263	0.268	16	(53)	(77)	(165)
3	6	10	111	1,264	1,242	1,232	-	-	-	-	35	-	-	-	-	-	-	-	50	2,279	2,404	2,762	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	26	(1,069)	(1,218)	(1,585)	0.403	0.269	0.266	0.087	10	(287)	(324)	(138)
3	6	11	114	1,302	1,280	1,269	-	-	-	-	33	-	-	-	-	-	-	-	61	2,714	2,874	3,265	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	20	(1,467)	(1,650)	(2,050)	0.397	0.270	0.269	0.000	8	(396)	(444)	-
3	6	12	116	1,327	1,306	1,296	-	-	-	-	31	-	-	-	-	-	-	-	66	2,857	3,035	3,441	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	20	(1,581)	(1,781)	(2,197)	0.398	0.270	0.270	0.000	8	(426)	(480)	-
3	6	13	117	1,337	1,320	1,312	-	-	-	-	30	-	-	-	-	-	-	-	66	2,866	3,047	3,457	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	20	(1,580)	(1,780)	(2,195)	0.399	0.270	0.270	0.000	8	(426)	(480)	-
3	6	14	116	1,333	1,317	1,312	-	-	-	-	33	-	-	-	-	-	-	-	64	2,793	2,965	3,365	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	19	(1,512)	(1,700)	(2,111)	0.398	0.270	0.270	0.000	8	(408)	(458)	-
3	6	15	115	1,326	1,313	1,310	-	-	-	-	35	-	-	-	-	-	-	-	59	2,648	2,799	3,181	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	21	(1,379)	(1,545)	(1,932)	0.401	0.270	0.270	0.000	8	(372)	(417)	-
3	6	16	116	1,338	1,333	1,336	-	-	-	-	36	-	-	-	-	-	-	-	46	2,096	2,208	2,556	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	33	(822)	(941)	(1,287)	0.409	0.261	0.263	0.185	14	(215)	(247)	(239)
3	6	17	118	1,372	1,376	1,387	-	-	-	-	41	-	-	-	-	-	-	-	28	1,327	1,389	1,692	-	68	68	68	-	(0)	1	1	-	-	-	-	49	(22)	(81)	(373)	0.408	0.283	0.381	0.384	20	(6)	(31)	(143)
3	6	18	126	1,478	1,491	1,510	-	-	-	-	47	-	-	-	-	-	-	-	5	309	316	570	-	68	68	68	-	(1)	(0)	4	-	-	-	-	74	1,102	1,107	868	0.406	0.412	0.392	0.385	30	454	434	334
3	6	19	142	1,671	1,693	1,720	-	-	-	-	49	-	-	-	-	-	-	-	0	24	24	271	-	68	68	68	-	5	(0)	9	-	-	-	-	93	1,575	1,602	1,373	0.418	0.420	0.400	0.389	39	662	641	534
3	6	20	144	1,688	1,710	1,739	-	-	-	-	50	-	-	-	-	-	-	-	-	28	28	275	-	68	68	68	-	13	1	6	-	-	-	-	93	1,579	1,613	1,389	0.417	0.422	0.401	0.389	39	666	647	541
3	6	21	141	1,652	1,674	1,703	-	-	-	-	50	-	-	-	-	-	-	-	-	25	25	272	-	68	68	68	-	8	4	11	-	-	-	-	90	1,552	1,578	1,353	0.407	0.412	0.397	0.387	37	640	627	523
3	6	22	133	1,561	1,584	1,612	-	-	-	-	49	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	4	2	5	-	-	-	-	84	1,475	1,501	1,279	0.409	0.407	0.394	0.381	34	600	592	487
3	6	23	122	1,434	1,456	1,482	-	-	-	-	43	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	4	4	5	-	-	-	-	79	1,355	1,377	1,156	0.414	0.406	0.389	0.370	33	550	536	428
3	6	24	115	1,352	1,368	1,388	-	-	-	-	38	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	4	2	1	-	-	-	-	77	1,277	1,296	1,070	0.413	0.407	0.383	0.364	32	520	497	390
3	7	1	103	1,197	1,204	1,215	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	6	8	1	-	-	-	-	71	1,123	1,128	899	0.413	0.404	0.377	0.364	29	454	425	327
3	7	2	98	1,133	1,134	1,139	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	0	5	(1)	-	-	-	-	68	1,066	1,062	825	0.412	0.406	0.373	0.364	28	433	396	300
3	7	3	95	1,095	1,089	1,089	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	64	1,026	1,018	774	0.412	0.406	0.374	0.365	26	417	380	282
3	7	4	94	1,078	1,067	1,062	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	63	1,010	994	748	0.412	0.406	0.376	0.365	26	410	374	273
3	7	5	96	1,103	1,086	1,077	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	61	1,031	1,010	763	0.412	0.407	0.377	0.366	25	420	381	280
3	7	6	104	1,191	1,171	1,160	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	13	9	6	-	-	-	-	59	1,110	1,094	839	0.411	0.409	0.388	0.366	24	454	425	308
3	7	7	120	1,371	1,351	1,340	-	-	-	-	46	-	-	-	-	-	-	-	4	251	251	498	-	68	68	68	-	3	2	2	-	-	-	-	69	1,049	1,031	772	0.411	0.410	0.394	0.379	29	431	406	293
3	7	8	130	1,486	1,468	1,462	-	-	-	-	42	-	-	-	-	-	-	-	12	685	698	957	-	68	68	68	-	(2)	1	3	-	-	-	-	75	735	702	435	0.409	0.286	0.405	0.395	31	210	284	172
3	7	9	133	1,532	1,518	1,516	-	-	-	-	37	-	-	-	-	-	-	-	23	1,136	1,179	1,463	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	73	334	276	(9)	0.409	0.272	0.263	0.268	30	91	72	(2)
3	7	10	138	1,579	1,565	1,563	-	-	-	-	35	-	-	-	-	-	-	-	36	1,681	1,759	2,076	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	67	(155)	(250)	(568)	0.403	0.269	0.266	0.087	27	(42)	(66)	(50)
3	7	11	138	1,590	1,575	1,572	-	-	-	-	33	-	-	-	-	-	-	-	36	1,594	1,690	2,024	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	69	(59)	(171)	(507)	0.397	0.270	0.269	0.000	27	(16)	(46)	-
3	7	12	138	1,591	1,577	1,573	-	-	-	-	31	-	-	-	-	-	-	-	25	836	941	1,281	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	82	704	584	240	0.398	0.270	0.270	0.000	33	190	157	-
3	7	13	138	1,587	1,576	1,574	-	-	-	-	30	-	-	-	-	-	-	-	24	782	884	1,222	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	84	754	640	301	0.399	0.270	0.270	0.000	33	203	173	-
3	7	14	138	1,589	1,580	1,581	-	-	-	-	33	-	-	-	-	-	-	-	24	791	896	1,237	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	80	747	632	288	0.398	0.270	0.270	0.000	32	201	170	-
3	7	15	137	1,583	1,576	1,579	-	-	-	-	35	-	-	-	-	-	-	-	21	722	811	1,139	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	81	804	706	380	0.401	0.270	0.270	0.000	33	217	190	-
3	7	16	136	1,582	1,582	1,592	-	-	-	-	36	-	-	-	-	-	-	-	25	1,066	1,143	1,459	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	75	451	374	66	0.409	0.261	0.263	0.185	31	118	98	12
3	7	17	137	1,593	1,602	1,619	-	-	-	-	41	-	-	-	-	-	-	-	20	952	1,002	1,293	-	68	68	68	-	(0)	1	1	-	-	-	-	76	573	532	258	0.408	0.283	0.381	0.384	31	162	203	99
3	7	18	145	1,695	1,713	1,738	-	-	-	-	47	-	-	-	-	-	-	-	4	277	283	535	-	68	68	68	-	(1)	(0)	4	-	-	-	-	94	1,352	1,363	1,131	0.406	0.412	0.392	0.385	38	556	535	435
3	7	19	159	1,872	1,898	1,931	-	-	-	-	49	-	-	-	-	-	-	-	0	79	79	326	-	68	68	68	-	5	(0)	9	-	-	-	-	110	1,721	1,752	1,528	0.418	0.420	0.400	0.389	46	724	701	594
3	7	20	160	1,876	1,903	1,937	-	-	-	-	50	-	-	-	-	-	-	-	-	60	60	307	-	68	68	68	-	13	1	6	-	-	-	-	109	1,736	1,775	1,556	0.417	0.422	0.401	0.389	46	732	711	606
3	7	21	155	1,823	1,849	1,882	-	-	-	-	50	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	8	4	11	-	-	-	-	104	1,702	1,732	1,511	0.407	0.412	0.397	0.387	43	702	688	584
3	7	22	146	1,716	1,743	1,775	-	-	-	-	49	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	4	2	5	-	-	-	-	97	1,613	1,643	1,425	0.409	0.407	0.394	0.381	40	656	648	542
3	7	23	133	1,567	1,592	1,621	-	-	-	-	43	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	4	4	5	-	-	-	-	90	1,480	1,504	1,287	0.414	0.406	0.389	0.370	37	600	586	476
3	7	24	132	1,548	1,568	1,594	-	-	-	-	38	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	4	2	1	-	-	-	-	94	1,457	1,481	1,260	0.413	0.407	0.383	0.364	39	593	567	459
3	8	1	110	1,290	1,299	1,313	-	-	-	-	31	-	-	-	-	-	-	-	-	23	23	270	-	68	68	68	-	6	8	1	-	-	-	-	79	1,194	1,201	975	0.413	0.404	0.377	0.364	33	483	453	355
3	8	2	105	1,225	1,228	1,235	-	-	-	-	30	-	-	-	-	-	-	-	-	23	23	270	-	68	68	68	-	0	5	(1)	-	-	-	-	76	1,134	1,133	898	0.412	0.406	0.373	0.364	31	461	422	327
3	8	3	102	1,183	1,180	1,181	-	-	-	-	31	-	-	-	-	-	-	-	-	15	15	262	-	68	68	68	-	2	4	(0)	-	-	-	-	71	1,099	1,093	852	0.412	0.406	0.374	0.365	29	446	408	310
3	8	4	101	1,164	1,155	1,153	-	-	-	-	31	-	-	-	-	-	-	-	-	13	13	260	-	68	68	68	-	1	5	(0)	-	-	-	-	70	1,084	1,070	826	0.412	0.406	0.376	0.365	29	440	402	301
3	8	5	103	1,185	1,171	1,164	-	-	-	-	36	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	4	9	(1)	-	-	-	-	67	1,097	1,078	834	0.412	0.407	0.377	0.366	28	447	407	305
3	8	6	113	1,292	1,275	1,266	-	-	-	-	45	-	-	-	-	-	-	-	-	19	19	266	-	68	68	68	-	13	9	6	-	-	-	-	68	1,193	1,179	927	0.411	0.409	0.388	0.366	28	487	458	340
3	8	7	126	1,439	1,421	1,412	-	-	-	-	46	-	-	-	-	-	-	-	9	611	612	859	-	68	68	68	-	3	2	2	-	-	-	-	70	757	740	483	0.411	0.410	0.394	0.379	29	311	292	183
3	8	8	131	1,504	1,487	1,481	-	-	-	-	42	-	-	-	-	-	-	-	29	1,556	1,591	1,869	-	68	68	68	-	(2)	1	3	-	-	-	-	60	(117)	(173)	(459)	0.409	0.286	0.405	0.395	25	(33)	(70)	(181)
3	8	9	133	1,524	1,509	1,507	-	-	-	-	37	-	-	-	-	-	-	-	46	2,250	2,342	2,671	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	49	(789)	(896)	(1,225)	0.409	0.272	0.263	0.268	20	(215)	(235)	(329)
3	8	10	135	1,546	1,531	1,528	-	-	-	-	35	-	-	-	-	-	-	-	58	2,684	2,820	3,190	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	42	(1,191)	(1,345)	(1,717)	0.403	0.269	0.266	0.087	17	(320)	(358)	(150)
3	8	11	136	1,561	1,545	1,542	-	-	-	-	33	-	-	-	-	-	-	-	64	2,819	2,984	3,379	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	39	(1,313)	(1,495)	(1,892)	0.397	0.270	0.269	0.000	16	(354)	(402)	-
3	8	12	137	1,573	1,558	1,554	-	-	-	-	31	-	-	-	-	-	-	-	66	2,871	3,053	3,464	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	40	(1,349)	(1,547)	(1,962)	0.398	0.270	0.270	0.000	16	(364)	(417)	-
3	8	13	137	1,575	1,563	1,562	-	-	-	-	30	-	-	-	-	-	-	-	67	2,875	3,058	3,470	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	40	(1,351)	(1,547)	(1,959)	0.399	0.270	0.270	0.000	16	(364)	(417)	-
3	8	14	137	1,576	1,567	1,567	-	-	-	-	33	-	-	-	-	-	-	-	66	2,854	3,030	3,436	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	38	(1,329)	(1,516)	(1,925)	0.398	0.270	0.270	0.000	15	(358)	(409)	-
3	8	15	136	1,576	1,569	1,572	-	-	-	-	35	-	-	-	-	-	-	-	62	2,753	2,912	3,301	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	40	(1,234)	(1,402)	(1,790)	0.401	0.270	0.270	0.000	16	(333)	(378)	-
3	8	16	135	1,571	1,571	1,580	-	-	-	-	36	-	-	-	-	-	-	-	52	2,369	2,492	2,849	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	47	(862)	(986)	(1,335)	0.409	0.261	0.263	0.185	19	(225)	(259)	(247)
3	8	17	136	1,580	1,588	1,605	-	-	-	-	41	-	-	-	-	-	-	-	34	1,644	1,711	2,018	-	68	68	68	-	(0)	1	1	-	-	-	-	61	(131)	(191)	(481)	0.408	0.283	0.381	0.384	25	(37)	(73)	(185)
3	8	18	142	1,661	1,678	1,702	-	-	-	-	47	-	-	-	-	-	-	-	8	466	475	730	-	68	68	68	-	(1)	(0)	4	-	-	-	-	86	1,128	1,136	900	0.406	0.412	0.392	0.385	35	464	445	346
3	8	19	156	1,830	1,855	1,887	-	-	-	-	49	-	-	-	-	-	-	-	0	11	11	258	-	68	68	68	-	5	(0)	9	-	-	-	-	106	1,747	1,777	1,552	0.418	0.420	0.400	0.389	44	734	711	603
3	8	20	156	1,839	1,865	1,898	-	-	-	-	50	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	13	1	6	-	-	-	-	106	1,751	1,789	1,569	0.417	0.422	0.401	0.389	44	739	717	611
3	8	21	152	1,782	1,808	1,839	-	-	-	-	50	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	8	4	11	-	-	-	-	101	1,698	1,727	1,505	0.407	0.412	0.397	0.387	41	700	686	582

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	8	22	142	1,677	1,703	1,733	-	-	-	-	49	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	4	2	5	-	-	-	-	94	1,590	1,619	1,400	0.409	0.407	0.394	0.381	38	647	638	533
3	8	23	128	1,512	1,536	1,564	-	-	-	-	43	-	-	-	-	-	-	-	-	12	12	259	-	68	68	68	-	4	4	5	-	-	-	-	86	1,428	1,452	1,232	0.414	0.406	0.389	0.370	35	579	565	456
3	8	24	129	1,519	1,539	1,564	-	-	-	-	38	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	4	2	1	-	-	-	-	91	1,444	1,466	1,245	0.413	0.407	0.383	0.364	38	588	562	453
3	9	1	107	1,250	1,259	1,271	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	6	8	1	-	-	-	-	76	1,177	1,183	956	0.413	0.404	0.377	0.364	31	476	446	348
3	9	2	101	1,179	1,180	1,187	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,111	1,108	873	0.412	0.406	0.373	0.364	30	451	413	318
3	9	3	98	1,136	1,131	1,131	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,066	1,060	817	0.412	0.406	0.374	0.365	28	433	396	298
3	9	4	98	1,125	1,115	1,111	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	67	1,057	1,042	797	0.412	0.406	0.376	0.365	28	429	392	291
3	9	5	100	1,149	1,134	1,126	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	64	1,078	1,058	812	0.412	0.407	0.377	0.366	27	439	399	298
3	9	6	109	1,252	1,234	1,224	-	-	-	-	45	-	-	-	-	-	-	-	0	0	0	247	-	68	68	68	-	13	9	6	-	-	-	-	64	1,171	1,157	903	0.411	0.409	0.388	0.366	26	479	449	331
3	9	7	121	1,384	1,364	1,354	-	-	-	-	46	-	-	-	-	-	-	-	10	641	641	888	-	68	68	68	-	3	2	2	-	-	-	-	64	673	654	396	0.411	0.410	0.394	0.379	26	276	258	150
3	9	8	128	1,464	1,445	1,438	-	-	-	-	42	-	-	-	-	-	-	-	29	1,599	1,630	1,904	-	68	68	68	-	(2)	1	3	-	-	-	-	56	(201)	(253)	(536)	0.409	0.286	0.405	0.395	23	(57)	(103)	(212)
3	9	9	130	1,495	1,480	1,477	-	-	-	-	37	-	-	-	-	-	-	-	44	2,218	2,295	2,610	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	49	(785)	(878)	(1,195)	0.409	0.272	0.263	0.268	20	(214)	(231)	(321)
3	9	10	134	1,541	1,526	1,523	-	-	-	-	35	-	-	-	-	-	-	-	54	2,572	2,684	3,032	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	46	(1,084)	(1,214)	(1,564)	0.403	0.269	0.266	0.087	18	(291)	(323)	(137)
3	9	11	137	1,570	1,555	1,552	-	-	-	-	33	-	-	-	-	-	-	-	58	2,723	2,856	3,222	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	45	(1,207)	(1,357)	(1,725)	0.397	0.270	0.269	0.000	18	(326)	(365)	-
3	9	12	139	1,595	1,580	1,577	-	-	-	-	31	-	-	-	-	-	-	-	61	2,779	2,930	3,313	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	47	(1,236)	(1,402)	(1,788)	0.398	0.270	0.270	0.000	19	(333)	(378)	-
3	9	13	140	1,610	1,599	1,598	-	-	-	-	30	-	-	-	-	-	-	-	62	2,796	2,952	3,340	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	47	(1,237)	(1,406)	(1,793)	0.399	0.270	0.270	0.000	19	(334)	(379)	-
3	9	14	141	1,625	1,617	1,619	-	-	-	-	33	-	-	-	-	-	-	-	59	2,643	2,791	3,170	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	49	(1,069)	(1,227)	(1,609)	0.398	0.270	0.270	0.000	19	(288)	(331)	-
3	9	15	141	1,632	1,626	1,631	-	-	-	-	35	-	-	-	-	-	-	-	49	2,234	2,355	2,709	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	57	(659)	(787)	(1,140)	0.401	0.270	0.270	0.000	23	(178)	(212)	-
3	9	16	141	1,633	1,635	1,646	-	-	-	-	36	-	-	-	-	-	-	-	36	1,650	1,737	2,063	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	69	(81)	(168)	(484)	0.409	0.261	0.263	0.185	28	(21)	(44)	(90)
3	9	17	141	1,643	1,653	1,671	-	-	-	-	41	-	-	-	-	-	-	-	19	898	943	1,230	-	68	68	68	-	(0)	1	1	-	-	-	-	81	678	643	374	0.408	0.283	0.381	0.384	33	192	245	144
3	9	18	145	1,698	1,716	1,741	-	-	-	-	47	-	-	-	-	-	-	-	3	221	226	477	-	68	68	68	-	(1)	(0)	4	-	-	-	-	94	1,410	1,422	1,191	0.406	0.412	0.392	0.385	38	580	558	458
3	9	19	157	1,848	1,873	1,906	-	-	-	-	49	-	-	-	-	-	-	-	0	52	52	299	-	68	68	68	-	5	(0)	9	-	-	-	-	108	1,723	1,754	1,529	0.418	0.420	0.400	0.389	45	725	702	594
3	9	20	157	1,840	1,867	1,899	-	-	-	-	50	-	-	-	-	-	-	-	-	52	52	299	-	68	68	68	-	13	1	6	-	-	-	-	106	1,708	1,746	1,526	0.417	0.422	0.401	0.389	44	721	700	594
3	9	21	151	1,778	1,804	1,835	-	-	-	-	50	-	-	-	-	-	-	-	-	50	50	297	-	68	68	68	-	8	4	11	-	-	-	-	101	1,653	1,682	1,460	0.407	0.412	0.397	0.387	41	681	668	564
3	9	22	141	1,664	1,689	1,719	-	-	-	-	49	-	-	-	-	-	-	-	-	39	39	286	-	68	68	68	-	4	2	5	-	-	-	-	93	1,553	1,581	1,362	0.409	0.407	0.394	0.381	38	632	623	518
3	9	23	128	1,506	1,530	1,557	-	-	-	-	43	-	-	-	-	-	-	-	-	37	37	284	-	68	68	68	-	4	4	5	-	-	-	-	85	1,397	1,420	1,201	0.414	0.406	0.389	0.370	35	567	553	444
3	9	24	131	1,536	1,556	1,581	-	-	-	-	38	-	-	-	-	-	-	-	-	36	36	283	-	68	68	68	-	4	2	1	-	-	-	-	93	1,428	1,451	1,230	0.413	0.407	0.383	0.364	38	581	556	448
3	10	1	106	1,240	1,248	1,260	-	-	-	-	31	-	-	-	-	-	-	-	-	35	35	282	-	68	68	68	-	6	8	1	-	-	-	-	75	1,132	1,138	910	0.413	0.404	0.377	0.364	31	457	429	331
3	10	2	101	1,175	1,177	1,183	-	-	-	-	30	-	-	-	-	-	-	-	-	33	33	280	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,074	1,071	836	0.412	0.406	0.373	0.364	29	436	399	304
3	10	3	98	1,127	1,122	1,123	-	-	-	-	31	-	-	-	-	-	-	-	-	37	37	284	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,021	1,013	771	0.412	0.406	0.374	0.365	27	415	379	281
3	10	4	97	1,114	1,104	1,100	-	-	-	-	31	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,015	1,000	754	0.412	0.406	0.376	0.365	27	412	376	275
3	10	5	98	1,125	1,110	1,101	-	-	-	-	36	-	-	-	-	-	-	-	-	23	23	270	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,031	1,010	764	0.412	0.407	0.377	0.366	26	420	381	280
3	10	6	106	1,217	1,198	1,187	-	-	-	-	45	-	-	-	-	-	-	-	0	31	31	278	-	68	68	68	-	13	9	6	-	-	-	-	61	1,106	1,090	836	0.411	0.409	0.388	0.366	25	452	423	306
3	10	7	117	1,339	1,317	1,306	-	-	-	-	46	-	-	-	-	-	-	-	8	562	562	809	-	68	68	68	-	3	2	2	-	-	-	-	62	706	686	427	0.411	0.410	0.394	0.379	26	290	271	162
3	10	8	125	1,425	1,406	1,398	-	-	-	-	42	-	-	-	-	-	-	-	29	1,605	1,642	1,923	-	68	68	68	-	(2)	1	3	-	-	-	-	53	(245)	(306)	(596)	0.409	0.286	0.405	0.395	22	(70)	(124)	(236)
3	10	9	129	1,481	1,465	1,462	-	-	-	-	37	-	-	-	-	-	-	-	47	2,288	2,384	2,717	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	45	(869)	(983)	(1,317)	0.409	0.272	0.263	0.268	18	(237)	(258)	(353)
3	10	10	134	1,541	1,525	1,523	-	-	-	-	35	-	-	-	-	-	-	-	59	2,720	2,862	3,236	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	40	(1,233)	(1,392)	(1,768)	0.403	0.269	0.266	0.087	16	(331)	(370)	(154)
3	10	11	139	1,598	1,583	1,580	-	-	-	-	33	-	-	-	-	-	-	-	64	2,858	3,028	3,428	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	41	(1,315)	(1,501)	(1,903)	0.397	0.270	0.269	0.000	16	(355)	(404)	-
3	10	12	142	1,636	1,623	1,620	-	-	-	-	31	-	-	-	-	-	-	-	66	2,896	3,078	3,489	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	45	(1,311)	(1,508)	(1,921)	0.398	0.270	0.270	0.000	18	(354)	(407)	-
3	10	13	144	1,657	1,647	1,648	-	-	-	-	30	-	-	-	-	-	-	-	67	2,897	3,080	3,492	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	47	(1,291)	(1,485)	(1,895)	0.399	0.270	0.270	0.000	19	(348)	(401)	-
3	10	14	145	1,670	1,663	1,666	-	-	-	-	33	-	-	-	-	-	-	-	65	2,873	3,049	3,454	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	46	(1,254)	(1,439)	(1,845)	0.398	0.270	0.270	0.000	18	(338)	(388)	-
3	10	15	144	1,671	1,666	1,671	-	-	-	-	35	-	-	-	-	-	-	-	61	2,714	2,870	3,257	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	49	(1,100)	(1,263)	(1,647)	0.401	0.270	0.270	0.000	20	(297)	(341)	-
3	10	16	144	1,672	1,675	1,686	-	-	-	-	36	-	-	-	-	-	-	-	50	2,275	2,396	2,752	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	58	(668)	(787)	(1,132)	0.409	0.261	0.263	0.185	24	(175)	(207)	(210)
3	10	17	143	1,667	1,677	1,696	-	-	-	-	41	-	-	-	-	-	-	-	28	1,335	1,400	1,706	-	68	68	68	-	(0)	1	1	-	-	-	-	74	265	209	(78)	0.408	0.283	0.381	0.384	30	75	80	(30)
3	10	18	146	1,711	1,729	1,754	-	-	-	-	47	-	-	-	-	-	-	-	6	356	365	620	-	68	68	68	-	(1)	(0)	4	-	-	-	-	93	1,288	1,296	1,062	0.406	0.412	0.392	0.385	38	530	508	408
3	10	19	157	1,847	1,872	1,904	-	-	-	-	49	-	-	-	-	-	-	-	0	31	31	278	-	68	68	68	-	5	(0)	9	-	-	-	-	108	1,744	1,774	1,550	0.418	0.420	0.400	0.389	45	733	710	602
3	10	20	156	1,838	1,864	1,896	-	-	-	-	50	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	13	1	6	-	-	-	-	106	1,726	1,764	1,544	0.417	0.422	0.401	0.389	44	728	707	601
3	10	21	150	1,767	1,793	1,824	-	-	-	-	50	-	-	-	-	-	-	-	-	37	37	284	-	68	68	68	-	8	4	11	-	-	-	-	100	1,655	1,684	1,461	0.407	0.412	0.397	0.387	41	682	669	565
3	10	22	141	1,662	1,688	1,718	-	-	-	-	49	-	-	-	-	-	-	-	-	43	43	290	-	68	68	68	-	4	2	5	-	-	-	-	93	1,547	1,575	1,356	0.409	0.407	0.394	0.381	38	629	621	516
3	10	23	128	1,510	1,533	1,561	-	-	-	-	43	-	-	-	-	-	-	-	-	35	35	282	-	68	68	68	-	4	4	5	-	-	-	-	85	1,403	1,427	1,207	0.414	0.406	0.389	0.370	35	569	555	447
3	10	24	134	1,570	1,592	1,618	-	-	-	-	38	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	4	2	1	-	-	-	-	95	1,467	1,491	1,270	0.413	0.407	0.383	0.364	39	597	571	463
3	11	1	107	1,246	1,254	1,266	-	-	-	-	31	-	-	-	-	-	-	-	-	32	32	279	-	68	68	68	-	6	8	1	-	-	-	-	75	1,140	1,146	919	0.413	0.404	0.377	0.364	31	461	432	335
3	11	2	101	1,172	1,173	1,179	-	-	-	-	30	-	-	-	-	-	-	-	-	30	30	277	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,074	1,071	835	0.412	0.406	0.373	0.364	29	436	399	304
3	11	3	97	1,126	1,121	1,121	-	-	-	-	31	-	-	-	-	-	-	-	-	30	30	277	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,027	1,019	777	0.412	0.406	0.374	0.365	27	417	381	283
3	11	4	96	1,109	1,099	1,095	-	-	-	-	31	-	-	-	-	-	-	-	-	22	22	269	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,019	1,004	758	0.412	0.406	0.376	0.365	27	414	377	277
3	11	5	99	1,129	1,113	1,104	-	-	-	-	36	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,038	1,017	771	0.412	0.407	0.377	0.366	26	422	384	282
3	11	6	107	1,220	1,202	1,191	-	-	-	-	45	-	-	-	-	-	-	-	0	19	19	266	-	68	68	68	-	13	9	6	-	-	-	-	62	1,121	1,106	851	0.411	0.409	0.388	0.366	25	458	430	312
3	11	7	117	1,343	1,322	1,311	-	-	-	-	46	-	-	-	-	-	-	-	11	726	727	974	-	68	68	68	-	3	2	2	-	-	-	-	60	546	526	267	0.411	0.410	0.394	0.379	25	224	208	101
3	11	8	125	1,428	1,409	1,401	-	-	-	-	42	-	-	-	-	-	-	-	32	1,721	1,761	2,043	-	68	68	68	-	(2)	1	3	-	-	-	-	51	(358)	(421)	(713)	0.409	0.286	0.405	0.395	21	(102)	(170)	(282)
3	11	9	130	1,487	1,471	1,468	-	-	-	-	37	-	-	-	-	-	-	-	48	2,347	2,444	2,778	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	44	(922)	(1,037)	(1,372)	0.409	0.272	0.263	0.268	18	(251)	(272)	(368)
3	11	10	134	1,543	1,527	1,525	-	-	-	-	35	-	-	-	-	-	-	-	59	2,707	2,849	3,222	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	41	(1,218)	(1,377)	(1,752)	0.403	0.269	0.266	0.087	16	(327)	(366)	(153)
3	11	11	137	1,577	1,562	1,558	-	-	-	-	33	-	-	-	-	-	-	-	64	2,849	3,017	3,415	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	40	(1,326)	(1,511)	(1,911)	0.397	0.270	0.269	0.000	16	(358)	(406)	-
3	11	12	140	1,604	1,590	1,586	-	-	-	-	31	-	-	-	-	-	-	-	66	2,892	3,073	3,483	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	42	(1,339)	(1,536)	(1,949)	0.398	0.270	0.270	0.000	17	(361)	(414)	-
3	11	13	142	1,632	1,622	1,621	-	-	-	-	30	-	-	-	-	-	-	-	66	2,892	3,074	3,483	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	45	(1,311)	(1,504)	(1,913)	0.399	0.270	0.270	0.000	18	(354)	(406)	-
3	11	14	143	1,646	1,638	1,641	-	-	-	-	33	-	-	-	-	-	-	-	65	2,880	3,057	3,462	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	44	(1,285)	(1,471)	(1,878)	0.398	0.270	0.270	0.000	18	(347)	(397)	-
3	11	15	142	1,644	1,638	1,643	-	-	-	-	35	-	-	-	-	-	-	-	61	2,742	2,901	3,290	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	46	(1,156)	(1,322)	(1,708)	0.401	0.270	0.270	0.000	18	(312)	(356)	-
3	11	16	141	1,637	1,638	1,649	-	-	-	-	36	-	-	-	-	-	-	-	51	2,343	2,466	2,823	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	54	(771)	(893)	(1,241)	0.409	0.261	0.263	0.185	22	(202)	(235)	(230)
3	11	17	139	1,623	1,632	1,650	-	-	-	-	41	-	-	-	-	-	-	-	32	1,570	1,640	1,949	-	68	68	68	-	(0)	1	1	-	-	-	-	66	(14)	(75)	(367)	0.408	0.283	0.381	0.384	27	(4)	(29)	(141)
3	11	18	143	1,670	1,687	1,712	-	-	-	-	47	-	-	-	-	-	-	-	8	470	480	736	-	68	68	68	-	(1)	(0)	4	-	-	-	-	87	1,133	1,140	904	0.406	0.412	0.392	0.385	35	466	447	348
3	11	19	154	1,808	1,833	1,864	-	-	-	-	49	-	-	-	-	-	-	-	0	29	29	276	-	68	68	68	-	5	(0)	9	-	-	-	-	105	1,707	1,737	1,511	0.418	0.420	0.400	0.389	44	718	695	587
3	11	20	154	1,809	1,835	1,866	-	-	-	-	50	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	13	1	6	-	-	-	-	104	1,702	1,739	1,519	0.417	0.422	0.401	0.389	43	718	697	591
3	11	21	150	1,760	1,785	1,816	-	-	-	-	50	-	-	-	-	-	-	-	-	19	19	266	-	68	68	68	-	8	4	11	-	-	-	-	99	1,666	1,694	1,472	0.407	0.412	0.397	0.387	40	687	673	569
3	11	22	142	1,677	1,702	1,733	-	-	-	-	49	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	4	2	5	-	-	-	-	94	1,588	1,616	1,397	0.409	0.407	0.394	0.381	38	646	637	532
3	11	23	132	1,554	1,578	1,607	-	-	-	-	43	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	4	4	5	-	-	-	-	89	1,465	1,489	1,271	0.414	0.406	0.389	0.370	37	594	580	470
3	11	24	134	1,574	1,595	1,621	-	-	-	-	38	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	4	2	1	-	-	-	-	96	1,486	1,510	1,290	0.413	0.407	0.383	0.364	40	605	579	470
3	12	1	111	1,296	1,305	1,319	-	-	-	-	31	-	-	-	-	-	-	-	-	15	15	262	-	68	68	68	-	6	8	1	-	-	-	-	80	1,207	1,214	988	0.413	0.404	0.377	0.364	33	488	458	360
3	12	2	105	1,219	1,222	1,229	-	-	-	-	30	-	-	-	-	-	-	-	-	17	17	264	-	68	68	68	-	0	5	(1)	-	-	-	-	75	1,134	1,132	898	0.412	0.406	0.373	0.364	31	460	422	327
3	12	3	101	1,169	1,165	1,166	-	-	-	-	31	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	2	4	(0)	-	-	-	-	70	1,082	1,076	834	0.412	0.406	0.374	0.365	29	440	402	304
3	12	4	99	1,145	1,136	1,133	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	1	5	(0)	-	-	-	-	69	1,068	1,054	810	0.412	0.406	0.376	0.365	28	434	396	295
3	12	5	100	1,146	1,131	1,122	-	-	-	-	36	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	4	9	(1)	-	-	-	-	64	1,074	1,054	808	0.412	0.407	0.377	0.366	26	437	397	296
3	12	6	104	1,189	1,169	1,157	-	-	-	-	45	-	-	-	-	-	-	-	0	0	0	247	-	68	68	68	-	13	9	6	-	-	-	-	59	1,108	1,092	837	0.411	0.409	0.388	0.366	24	453	424	307
3	12	7	107	1,218	1,194	1,180	-	-	-	-	46	-	-	-	-	-	-	-	12	727	728	975	-	68	68	68	-	3	2	2	-	-	-	-	49	420	398	135	0.411	0.410	0.394	0.379	20	172	157	51
3	12	8	112	1,276	1,253	1,242	-	-	-	-	42	-	-	-	-	-	-	-	31	1,668	1,708	1,991	-	68	68	68	-	(2)	1	3	-	-	-	-	38	(458)	(524)	(820)	0.409	0.286	0.405	0.395	16	(131)	(212)	(324)
3	12	9	117	1,340	1,321	1,314	-	-	-	-	37	-	-	-	-	-	-	-	48	2,309	2,406	2,740	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	32	(1,031)	(1,148)	(1,487)	0.409	0.272	0.263	0.268	13	(281)	(302)	(399)
3	12	10	121	1,383	1,364	1,358	-	-	-	-	35	-	-	-	-	-	-	-	59	2,681	2,821	3,194	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	28	(1,351)	(1,513)	(1,891)	0.403	0.269	0.266	0.087	11	(363)	(402)	(165)
3	12	11	123	1,404	1,385	1,378	-	-	-	-	33	-	-	-	-	-	-	-	64	2,824	2,991	3,388	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	26	(1,474)	(1,662)	(2,065)	0.397	0.270	0.269	0.000	10	(398)	(447)	-
3	12	12	123	1,406	1,387	1,379	-	-	-	-	31	-	-	-	-	-	-	-	66	2,861	3,041	3,449	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	26	(1,507)	(1,706)	(2,122)	0.398	0.270	0.270	0.000	10	(406)	(460)	-
3	12	13	122	1,401	1,385	1,379	-	-	-	-	30	-	-	-	-	-	-	-	66	2,865	3,046	3,455	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	26	(1,516)	(1,713)	(2,127)	0.399	0.270	0.270	0.000	10	(409)	(462)	-
3	12	14	120	1,382	1,368	1,363	-	-	-	-	33	-	-	-	-	-	-	-	65	2,847	3,022	3,425	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	22	(1,517)	(1,707)	(2,119)	0.398	0.270	0.270	0.000	9	(409)	(460)	-
3	12	15	119	1,366	1,354	1,351	-	-	-	-	35	-	-	-	-	-	-	-	60	2,676	2,833	3,219	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	23	(1,368)	(1,538)	(1,929)	0.401	0.270	0.270	0.000	9	(369)	(415)	-
3	12	16	118	1,369	1,365	1,369	-	-	-	-	36	-	-	-	-	-	-	-	51	2,337	2,460	2,818	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	31	(1,032)	(1,160)	(1,515)	0.409	0.261	0.263	0.185	13	(270)	(305)	(281)
3	12	17	120	1,395	1,399	1,411	-	-	-	-	41	-	-	-	-	-	-	-	32	1,508	1,576	1,885	-	68	68	68	-	(0)	1	1	-	-	-	-	47	(180)	(245)	(542)	0.408	0.283	0.381	0.384	19	(51)	(93)	(208)
3	12	18	127	1,480	1,493	1,513	-	-	-	-	47	-	-	-	-	-	-	-	8	431	440	695	-	68	68	68	-	(1)	(0)	4	-	-	-	-	72	982	986	746	0.406	0.412	0.392	0.385	29	404	387	287
3	12	19	141	1,653	1,674	1,702	-	-	-	-	49	-	-	-	-	-	-	-	0	3	3	250	-	68	68	68	-	5	(0)	9	-	-	-	-	92	1,578	1,604	1,375	0.418	0.420	0.400	0.389	38	664	642	534
3	12	20	142	1,668	1,691	1,719	-	-	-	-	50	-	-	-	-	-	-	-	-	4	4	251	-	68	68	68	-	13	1	6	-	-	-	-	92	1,584	1,618	1,394	0.417	0.422	0.401	0.389	38	668	649	543
3	12	21	139	1,630	1,652	1,680	-	-	-	-	50	-	-	-	-	-	-	-	-	6	6	253	-	68	68	68	-	8	4	11	-	-	-	-	88	1,549	1,575	1,349	0.407	0.412	0.397	0.387	36	639	626	521
3	12	22	133	1,563	1,586	1,614	-	-	-	-	49	-	-	-	-	-	-	-	-	13	13	260	-	68	68	68	-	4	2	5	-	-	-	-	84	1,478	1,503	1,282	0.409	0.407	0.394	0.381	34	601	593	488
3	12	23	124	1,464	1,487	1,513	-	-	-	-	43	-	-	-	-	-	-	-	-	13	13	260	-	68	68	68	-	4	4	5	-	-	-	-	82	1,379	1,401	1,181	0.414	0.406	0.389	0.370	34	559	546	437
3	12	24	120	1,406	1,424	1,446	-	-	-	-	38	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	4	2	1	-	-	-	-	82	1,327	1,347	1,122	0.413	0.407	0.383	0.364	34	540	516	409
3	13	1	107	1,244	1,252	1,265	-	-	-	-	31	-	-	-	-	-	-	-	-	6	6	253	-	68	68	68	-	6	8	1	-	-	-	-	75	1,165	1,171	944	0.413	0.404	0.377	0.364	31	471	441	344
3	13	2	101	1,175	1,176	1,183	-	-	-	-	30	-	-	-	-	-	-	-	-	6	6	253	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,101	1,098	863	0.412	0.406	0.373	0.364	29	447	409	314
3	13	3	1	(22)	(55)	(84)	-	-	-	-	31	-	-	-	-	-	-	-	-	7	7	254	-	68	68	68	-	2	4	(0)	-	-	-	-	(30)	(98)	(133)	(405)	0.412	0.406	0.374	0.365	(12)	(40)	(50)	(148)
3	13	4	97	1,120	1,110	1,106	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	1	5	(0)	-	-	-	-	67	1,043	1,028	783	0.412	0.406	0.376	0.365	27	424	387	286
3	13	5	96	1,099	1,083	1,073	-	-	-	-	36	-	-	-	-	-	-	-	-	12	12	259	-	68	68	68	-	4	9	(1)	-	-	-	-	60	1,015	994	747	0.412	0.407	0.377	0.366	25	413	375	274
3	13	6	97	1,105	1,083	1,070	-	-	-	-	45	-	-	-	-	-	-	-	0	13	13	260	-	68	68	68	-	13	9	6	-	-	-	-	52	1,012	994	737	0.411	0.409	0.388	0.366	21	413	386	270
3	13	7	100	1,131	1,105	1,089	-	-	-	-	46	-	-	-	-	-	-	-	11	674	674	922	-	68	68	68	-	3	2	2	-	-	-	-	43	386	362	97	0.411	0.410	0.394	0.379	17	159	143	37
3	13	8	102	1,162	1,137	1,122	-	-	-	-	42	-	-	-	-	-	-	-	31	1,657	1,697	1,979	-	68	68	68	-	(2)	1	3	-	-	-	-	29	(560)	(628)	(927)	0.409	0.286	0.405	0.395	12	(160)	(254)	(367)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	13	9	106	1,201	1,179	1,169	-	-	-	-	37	-	-	-	-	-	-	-	46	2,231	2,327	2,660	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	22	(1,092)	(1,211)	(1,552)	0.409	0.272	0.263	0.268	9	(298)	(318)	(417)
3	13	10	110	1,251	1,229	1,219	-	-	-	-	35	-	-	-	-	-	-	-	57	2,604	2,743	3,114	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	18	(1,407)	(1,570)	(1,951)	0.403	0.269	0.266	0.087	7	(378)	(417)	(170)
3	13	11	114	1,296	1,274	1,263	-	-	-	-	33	-	-	-	-	-	-	-	63	2,807	2,972	3,367	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	17	(1,565)	(1,754)	(2,159)	0.397	0.270	0.269	0.000	7	(422)	(472)	-
3	13	12	115	1,317	1,295	1,285	-	-	-	-	31	-	-	-	-	-	-	-	66	2,859	3,038	3,445	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	19	(1,594)	(1,795)	(2,212)	0.398	0.270	0.270	0.000	7	(430)	(484)	-
3	13	13	116	1,334	1,316	1,309	-	-	-	-	30	-	-	-	-	-	-	-	66	2,865	3,044	3,452	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	20	(1,582)	(1,780)	(2,194)	0.399	0.270	0.270	0.000	8	(427)	(480)	-
3	13	14	117	1,337	1,322	1,317	-	-	-	-	33	-	-	-	-	-	-	-	64	2,815	2,987	3,389	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	19	(1,529)	(1,718)	(2,129)	0.398	0.270	0.270	0.000	8	(412)	(463)	-
3	13	15	117	1,349	1,337	1,334	-	-	-	-	35	-	-	-	-	-	-	-	60	2,686	2,843	3,231	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	22	(1,394)	(1,566)	(1,958)	0.401	0.270	0.270	0.000	9	(376)	(422)	-
3	13	16	118	1,358	1,354	1,358	-	-	-	-	36	-	-	-	-	-	-	-	51	2,365	2,490	2,848	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	30	(1,072)	(1,201)	(1,557)	0.409	0.261	0.263	0.185	12	(280)	(316)	(289)
3	13	17	119	1,382	1,386	1,397	-	-	-	-	41	-	-	-	-	-	-	-	34	1,648	1,720	2,031	-	68	68	68	-	(0)	1	1	-	-	-	-	44	(334)	(402)	(702)	0.408	0.283	0.381	0.384	18	(94)	(153)	(270)
3	13	18	122	1,429	1,441	1,459	-	-	-	-	47	-	-	-	-	-	-	-	9	528	537	792	-	68	68	68	-	(1)	(0)	4	-	-	-	-	66	834	836	595	0.406	0.412	0.392	0.385	27	343	328	229
3	13	19	131	1,535	1,553	1,577	-	-	-	-	49	-	-	-	-	-	-	-	0	50	50	297	-	68	68	68	-	5	(0)	9	-	-	-	-	82	1,413	1,436	1,204	0.418	0.420	0.400	0.389	34	594	575	468
3	13	20	143	1,684	1,706	1,735	-	-	-	-	50	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	13	1	6	-	-	-	-	93	1,559	1,593	1,369	0.417	0.422	0.401	0.389	39	658	639	533
3	13	21	144	1,690	1,713	1,743	-	-	-	-	50	-	-	-	-	-	-	-	-	39	39	286	-	68	68	68	-	8	4	11	-	-	-	-	93	1,576	1,603	1,379	0.407	0.412	0.397	0.387	38	650	637	533
3	13	22	138	1,620	1,645	1,674	-	-	-	-	49	-	-	-	-	-	-	-	-	29	29	276	-	68	68	68	-	4	2	5	-	-	-	-	89	1,519	1,546	1,326	0.409	0.407	0.394	0.381	36	618	610	505
3	13	23	127	1,496	1,520	1,547	-	-	-	-	43	-	-	-	-	-	-	-	-	24	24	271	-	68	68	68	-	4	4	5	-	-	-	-	84	1,401	1,423	1,204	0.414	0.406	0.389	0.370	35	568	554	445
3	13	24	116	1,367	1,384	1,404	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	68	68	68	-	4	2	1	-	-	-	-	78	1,261	1,281	1,055	0.413	0.407	0.383	0.364	32	513	491	384
3	14	1	105	1,231	1,239	1,251	-	-	-	-	31	-	-	-	-	-	-	-	-	36	36	283	-	68	68	68	-	6	8	1	-	-	-	-	74	1,122	1,127	900	0.413	0.404	0.377	0.364	31	453	425	328
3	14	2	99	1,153	1,153	1,159	-	-	-	-	30	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	0	5	(1)	-	-	-	-	69	1,058	1,054	818	0.412	0.406	0.373	0.364	29	429	393	298
3	14	3	96	1,108	1,103	1,102	-	-	-	-	31	-	-	-	-	-	-	-	-	25	25	272	-	68	68	68	-	2	4	(0)	-	-	-	-	65	1,014	1,007	763	0.412	0.406	0.374	0.365	27	412	376	278
3	14	4	95	1,093	1,082	1,078	-	-	-	-	31	-	-	-	-	-	-	-	-	29	29	276	-	68	68	68	-	1	5	(0)	-	-	-	-	64	995	980	734	0.412	0.406	0.376	0.365	26	404	368	268
3	14	5	97	1,106	1,090	1,081	-	-	-	-	36	-	-	-	-	-	-	-	-	27	27	274	-	68	68	68	-	4	9	(1)	-	-	-	-	61	1,008	987	740	0.412	0.407	0.377	0.366	25	410	372	271
3	14	6	104	1,185	1,165	1,154	-	-	-	-	45	-	-	-	-	-	-	-	0	28	28	275	-	68	68	68	-	13	9	6	-	-	-	-	59	1,077	1,061	805	0.411	0.409	0.388	0.366	24	440	412	295
3	14	7	117	1,340	1,319	1,308	-	-	-	-	46	-	-	-	-	-	-	-	12	797	797	1,045	-	68	68	68	-	3	2	2	-	-	-	-	58	472	453	193	0.411	0.410	0.394	0.379	24	194	179	73
3	14	8	128	1,470	1,451	1,445	-	-	-	-	42	-	-	-	-	-	-	-	31	1,717	1,758	2,041	-	68	68	68	-	(2)	1	3	-	-	-	-	54	(313)	(375)	(666)	0.409	0.286	0.405	0.395	22	(89)	(152)	(263)
3	14	9	131	1,498	1,482	1,480	-	-	-	-	37	-	-	-	-	-	-	-	48	2,332	2,429	2,762	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	46	(897)	(1,010)	(1,344)	0.409	0.272	0.263	0.268	19	(244)	(265)	(361)
3	14	10	134	1,540	1,525	1,522	-	-	-	-	35	-	-	-	-	-	-	-	58	2,682	2,821	3,193	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	41	(1,196)	(1,353)	(1,726)	0.403	0.269	0.266	0.087	17	(321)	(360)	(151)
3	14	11	137	1,573	1,558	1,554	-	-	-	-	33	-	-	-	-	-	-	-	64	2,835	3,000	3,394	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	40	(1,316)	(1,498)	(1,895)	0.397	0.270	0.269	0.000	16	(355)	(403)	-
3	14	12	138	1,590	1,575	1,572	-	-	-	-	31	-	-	-	-	-	-	-	66	2,876	3,055	3,461	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	42	(1,338)	(1,532)	(1,942)	0.398	0.270	0.270	0.000	17	(361)	(413)	-
3	14	13	139	1,606	1,595	1,595	-	-	-	-	30	-	-	-	-	-	-	-	66	2,890	3,071	3,481	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	43	(1,335)	(1,528)	(1,937)	0.399	0.270	0.270	0.000	17	(360)	(412)	-
3	14	14	140	1,618	1,609	1,611	-	-	-	-	33	-	-	-	-	-	-	-	65	2,878	3,054	3,458	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	42	(1,311)	(1,497)	(1,904)	0.398	0.270	0.270	0.000	17	(354)	(404)	-
3	14	15	140	1,621	1,615	1,620	-	-	-	-	35	-	-	-	-	-	-	-	60	2,714	2,870	3,257	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	45	(1,149)	(1,314)	(1,698)	0.401	0.270	0.270	0.000	18	(310)	(354)	-
3	14	16	140	1,625	1,626	1,637	-	-	-	-	36	-	-	-	-	-	-	-	51	2,365	2,489	2,847	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	52	(805)	(928)	(1,277)	0.409	0.261	0.263	0.185	21	(210)	(244)	(237)
3	14	17	139	1,624	1,634	1,651	-	-	-	-	41	-	-	-	-	-	-	-	33	1,647	1,717	2,026	-	68	68	68	-	(0)	1	1	-	-	-	-	65	(90)	(151)	(442)	0.408	0.283	0.381	0.384	26	(26)	(57)	(170)
3	14	18	139	1,622	1,639	1,662	-	-	-	-	47	-	-	-	-	-	-	-	9	551	560	815	-	68	68	68	-	(1)	(0)	4	-	-	-	-	83	1,005	1,011	775	0.406	0.412	0.392	0.385	34	413	397	298
3	14	19	143	1,676	1,697	1,725	-	-	-	-	49	-	-	-	-	-	-	-	0	60	60	307	-	68	68	68	-	5	(0)	9	-	-	-	-	93	1,543	1,570	1,341	0.418	0.420	0.400	0.389	39	649	628	521
3	14	20	155	1,820	1,846	1,878	-	-	-	-	50	-	-	-	-	-	-	-	-	68	68	315	-	68	68	68	-	13	1	6	-	-	-	-	104	1,672	1,709	1,489	0.417	0.422	0.401	0.389	44	705	685	580
3	14	21	154	1,808	1,835	1,867	-	-	-	-	50	-	-	-	-	-	-	-	-	69	69	316	-	68	68	68	-	8	4	11	-	-	-	-	103	1,664	1,694	1,473	0.407	0.412	0.397	0.387	42	686	673	569
3	14	22	145	1,709	1,735	1,767	-	-	-	-	49	-	-	-	-	-	-	-	-	55	55	302	-	68	68	68	-	4	2	5	-	-	-	-	97	1,582	1,611	1,393	0.409	0.407	0.394	0.381	40	644	635	530
3	14	23	132	1,554	1,578	1,607	-	-	-	-	43	-	-	-	-	-	-	-	-	47	47	294	-	68	68	68	-	4	4	5	-	-	-	-	89	1,435	1,459	1,241	0.414	0.406	0.389	0.370	37	582	568	459
3	14	24	132	1,552	1,573	1,599	-	-	-	-	38	-	-	-	-	-	-	-	-	58	58	305	-	68	68	68	-	4	2	1	-	-	-	-	94	1,423	1,446	1,225	0.413	0.407	0.383	0.364	39	579	554	446
3	15	1	108	1,259	1,267	1,280	-	-	-	-	31	-	-	-	-	-	-	-	-	61	61	308	-	68	68	68	-	6	8	1	-	-	-	-	76	1,125	1,131	904	0.413	0.404	0.377	0.364	32	455	426	329
3	15	2	101	1,179	1,180	1,186	-	-	-	-	30	-	-	-	-	-	-	-	-	58	58	305	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,052	1,050	814	0.412	0.406	0.373	0.364	30	427	391	296
3	15	3	97	1,125	1,120	1,120	-	-	-	-	31	-	-	-	-	-	-	-	-	51	51	298	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,005	997	755	0.412	0.406	0.374	0.365	27	408	373	275
3	15	4	96	1,105	1,094	1,090	-	-	-	-	31	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	1	5	(0)	-	-	-	-	65	992	977	731	0.412	0.406	0.376	0.365	27	403	367	267
3	15	5	98	1,121	1,105	1,096	-	-	-	-	36	-	-	-	-	-	-	-	-	32	32	279	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,017	996	750	0.412	0.407	0.377	0.366	26	414	376	275
3	15	6	105	1,203	1,184	1,173	-	-	-	-	45	-	-	-	-	-	-	-	0	29	29	276	-	68	68	68	-	13	9	6	-	-	-	-	60	1,094	1,078	823	0.411	0.409	0.388	0.366	25	447	419	302
3	15	7	120	1,368	1,347	1,337	-	-	-	-	46	-	-	-	-	-	-	-	13	811	812	1,059	-	68	68	68	-	3	2	2	-	-	-	-	60	485	466	208	0.411	0.410	0.394	0.379	25	199	184	79
3	15	8	129	1,483	1,465	1,459	-	-	-	-	42	-	-	-	-	-	-	-	33	1,753	1,795	2,079	-	68	68	68	-	(2)	1	3	-	-	-	-	54	(335)	(399)	(691)	0.409	0.286	0.405	0.395	22	(96)	(161)	(273)
3	15	9	131	1,500	1,485	1,483	-	-	-	-	37	-	-	-	-	-	-	-	49	2,338	2,438	2,774	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	45	(900)	(1,016)	(1,354)	0.409	0.272	0.263	0.268	18	(245)	(267)	(363)
3	15	10	134	1,535	1,520	1,517	-	-	-	-	35	-	-	-	-	-	-	-	59	2,676	2,820	3,196	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	40	(1,195)	(1,356)	(1,734)	0.403	0.269	0.266	0.087	16	(321)	(360)	(151)
3	15	11	136	1,556	1,540	1,537	-	-	-	-	33	-	-	-	-	-	-	-	65	2,837	3,008	3,407	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	38	(1,335)	(1,523)	(1,926)	0.397	0.270	0.269	0.000	15	(360)	(409)	-
3	15	12	138	1,584	1,569	1,566	-	-	-	-	31	-	-	-	-	-	-	-	67	2,878	3,061	3,472	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	41	(1,345)	(1,544)	(1,958)	0.398	0.270	0.270	0.000	16	(363)	(416)	-
3	15	13	139	1,606	1,595	1,595	-	-	-	-	30	-	-	-	-	-	-	-	67	2,882	3,066	3,477	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	43	(1,327)	(1,523)	(1,934)	0.399	0.270	0.270	0.000	17	(358)	(411)	-
3	15	14	142	1,634	1,625	1,628	-	-	-	-	33	-	-	-	-	-	-	-	66	2,868	3,046	3,452	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	43	(1,285)	(1,473)	(1,881)	0.398	0.270	0.270	0.000	17	(347)	(397)	-
3	15	15	143	1,651	1,646	1,651	-	-	-	-	35	-	-	-	-	-	-	-	61	2,717	2,879	3,270	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	46	(1,122)	(1,292)	(1,680)	0.401	0.270	0.270	0.000	19	(303)	(348)	-
3	15	16	144	1,667	1,669	1,681	-	-	-	-	36	-	-	-	-	-	-	-	51	2,329	2,457	2,819	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	56	(727)	(853)	(1,205)	0.409	0.261	0.263	0.185	23	(190)	(224)	(223)
3	15	17	143	1,672	1,683	1,702	-	-	-	-	41	-	-	-	-	-	-	-	34	1,627	1,702	2,016	-	68	68	68	-	(0)	1	1	-	-	-	-	68	(23)	(87)	(382)	0.408	0.283	0.381	0.384	28	(6)	(33)	(147)
3	15	18	142	1,661	1,678	1,702	-	-	-	-	47	-	-	-	-	-	-	-	9	524	534	791	-	68	68	68	-	(1)	(0)	4	-	-	-	-	85	1,070	1,076	840	0.406	0.412	0.392	0.385	35	440	422	323
3	15	19	143	1,682	1,704	1,732	-	-	-	-	49	-	-	-	-	-	-	-	0	28	28	275	-	68	68	68	-	5	(0)	9	-	-	-	-	94	1,582	1,609	1,380	0.418	0.420	0.400	0.389	39	665	644	536
3	15	20	153	1,801	1,826	1,858	-	-	-	-	50	-	-	-	-	-	-	-	-	24	24	271	-	68	68	68	-	13	1	6	-	-	-	-	103	1,696	1,733	1,513	0.417	0.422	0.401	0.389	43	716	695	589
3	15	21	153	1,797	1,824	1,855	-	-	-	-	50	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	8	4	11	-	-	-	-	102	1,708	1,737	1,516	0.407	0.412	0.397	0.387	42	704	690	586
3	15	22	144	1,693	1,719	1,751	-	-	-	-	49	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	4	2	5	-	-	-	-	95	1,612	1,641	1,423	0.409	0.407	0.394	0.381	39	656	647	542
3	15	23	130	1,535	1,559	1,587	-	-	-	-	43	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	4	4	5	-	-	-	-	88	1,449	1,473	1,254	0.414	0.406	0.389	0.370	36	588	574	464
3	15	24	132	1,550	1,571	1,596	-	-	-	-	38	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	4	2	1	-	-	-	-	94	1,464	1,487	1,266	0.413	0.407	0.383	0.364	39	596	570	461
3	16	1	107	1,254	1,262	1,275	-	-	-	-	31	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	6	8	1	-	-	-	-	76	1,178	1,184	957	0.413	0.404	0.377	0.364	31	476	446	348
3	16	2	101	1,175	1,177	1,183	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,107	1,104	869	0.412	0.406	0.373	0.364	29	449	411	316
3	16	3	97	1,123	1,117	1,118	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	66	1,053	1,046	803	0.412	0.406	0.374	0.365	27	428	391	293
3	16	4	96	1,101	1,091	1,086	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	65	1,033	1,018	772	0.412	0.406	0.376	0.365	27	419	383	282
3	16	5	97	1,115	1,099	1,090	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,043	1,022	776	0.412	0.407	0.377	0.366	25	425	386	284
3	16	6	105	1,197	1,178	1,166	-	-	-	-	45	-	-	-	-	-	-	-	0	2	2	249	-	68	68	68	-	13	9	6	-	-	-	-	60	1,115	1,099	844	0.411	0.409	0.388	0.366	24	455	427	309
3	16	7	118	1,354	1,334	1,323	-	-	-	-	46	-	-	-	-	-	-	-	13	816	816	1,064	-	68	68	68	-	3	2	2	-	-	-	-	59	468	448	189	0.411	0.410	0.394	0.379	24	192	177	72
3	16	8	127	1,459	1,440	1,434	-	-	-	-	42	-	-	-	-	-	-	-	32	1,738	1,780	2,065	-	68	68	68	-	(2)	1	3	-	-	-	-	52	(345)	(409)	(702)	0.409	0.286	0.405	0.395	21	(99)	(165)	(278)
3	16	9	130	1,487	1,471	1,469	-	-	-	-	37	-	-	-	-	-	-	-	48	2,322	2,419	2,754	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	44	(897)	(1,011)	(1,347)	0.409	0.272	0.263	0.268	18	(244)	(266)	(361)
3	16	10	134	1,538	1,522	1,520	-	-	-	-	35	-	-	-	-	-	-	-	58	2,629	2,769	3,141	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	41	(1,145)	(1,302)	(1,677)	0.403	0.269	0.266	0.087	17	(308)	(346)	(146)
3	16	11	139	1,596	1,581	1,578	-	-	-	-	33	-	-	-	-	-	-	-	64	2,823	2,989	3,385	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,282)	(1,464)	(1,862)	0.397	0.270	0.269	0.000	17	(346)	(394)	-
3	16	12	143	1,646	1,633	1,631	-	-	-	-	31	-	-	-	-	-	-	-	66	2,857	3,036	3,442	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	47	(1,263)	(1,455)	(1,863)	0.398	0.270	0.270	0.000	19	(341)	(392)	-
3	16	13	146	1,690	1,681	1,683	-	-	-	-	30	-	-	-	-	-	-	-	66	2,865	3,045	3,454	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	50	(1,226)	(1,417)	(1,823)	0.399	0.270	0.270	0.000	20	(331)	(382)	-
3	16	14	150	1,734	1,728	1,733	-	-	-	-	33	-	-	-	-	-	-	-	65	2,814	2,989	3,392	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	52	(1,131)	(1,313)	(1,716)	0.398	0.270	0.270	0.000	21	(305)	(354)	-
3	16	15	152	1,766	1,764	1,772	-	-	-	-	35	-	-	-	-	-	-	-	60	2,647	2,803	3,191	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	58	(937)	(1,099)	(1,480)	0.401	0.270	0.270	0.000	23	(253)	(296)	-
3	16	16	155	1,799	1,805	1,820	-	-	-	-	36	-	-	-	-	-	-	-	50	2,263	2,388	2,747	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	68	(529)	(648)	(993)	0.409	0.261	0.263	0.185	28	(138)	(170)	(184)
3	16	17	155	1,815	1,830	1,852	-	-	-	-	41	-	-	-	-	-	-	-	32	1,514	1,586	1,898	-	68	68	68	-	(0)	1	1	-	-	-	-	82	235	176	(113)	0.408	0.283	0.381	0.384	33	66	67	(43)
3	16	18	154	1,807	1,827	1,855	-	-	-	-	47	-	-	-	-	-	-	-	8	469	478	733	-	68	68	68	-	(1)	(0)	4	-	-	-	-	98	1,270	1,281	1,050	0.406	0.412	0.392	0.385	40	523	503	404
3	16	19	154	1,812	1,837	1,868	-	-	-	-	49	-	-	-	-	-	-	-	0	0	0	247	-	68	68	68	-	5	(0)	9	-	-	-	-	105	1,740	1,770	1,544	0.418	0.420	0.400	0.389	44	732	708	600
3	16	20	162	1,903	1,930	1,964	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	13	1	6	-	-	-	-	111	1,822	1,861	1,643	0.417	0.422	0.401	0.389	46	769	746	640
3	16	21	160	1,883	1,912	1,946	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	8	4	11	-	-	-	-	110	1,808	1,840	1,620	0.407	0.412	0.397	0.387	45	745	731	626
3	16	22	150	1,772	1,800	1,834	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	5	-	-	-	-	102	1,700	1,731	1,514	0.409	0.407	0.394	0.381	42	692	683	577
3	16	23	136	1,603	1,629	1,659	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	4	5	-	-	-	-	93	1,531	1,557	1,340	0.414	0.406	0.389	0.370	39	621	606	496
3	16	24	138	1,622	1,644	1,672	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	2	1	-	-	-	-	100	1,550	1,575	1,356	0.413	0.407	0.383	0.364	41	631	603	494
3	17	1	110	1,291	1,300	1,314	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	6	8	1	-	-	-	-	79	1,218	1,225	999	0.413	0.404	0.377	0.364	33	492	462	364
3	17	2	103	1,203	1,205	1,212	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	0	5	(1)	-	-	-	-	74	1,135	1,132	898	0.412	0.406	0.373	0.364	30	461	422	327
3	17	3	99	1,142	1,137	1,138	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,072	1,066	823	0.412	0.406	0.374	0.365	28	436	398	300
3	17	4	97	1,115	1,105	1,101	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,047	1,032	787	0.412	0.406	0.376	0.365	27	425	388	287
3	17	5	98	1,125	1,110	1,101	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,054	1,033	787	0.412	0.407	0.377	0.366	26	429	390	288
3	17	6	105	1,199	1,180	1,168	-	-	-	-	45	-	-	-	-	-	-	-	0	3	3	250	-	68	68	68	-	13	9	6	-	-	-	-	60	1,116	1,100	845	0.411	0.409	0.388	0.366	25	456	427	310
3	17	7	118	1,353	1,332	1,321	-	-	-	-	46	-	-	-	-	-	-	-	13	839	839	1,087	-	68	68	68	-	3	2	2	-	-	-	-	58	443	424	164	0.411	0.410	0.394	0.379	24	182	167	62
3	17	8	127	1,454	1,435	1,428	-	-	-	-	42	-	-	-	-	-	-	-	32	1,739	1,781	2,065	-	68	68	68	-	(2)	1	3	-	-	-	-	52	(351)	(414)	(708)	0.409	0.286	0.405	0.395	21	(100)	(168)	(280)
3	17	9	130	1,492	1,476	1,473	-	-	-	-	37	-	-	-	-	-	-	-	47	2,289	2,384	2,716	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	46	(859)	(971)	(1,305)	0.409	0.272	0.263	0.268	19	(234)	(255)	(350)
3	17	10	136	1,558	1,542	1,540	-	-	-	-	35	-	-	-	-	-	-	-	57	2,640	2,775	3,143	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	43	(1,136)	(1,288)	(1,657)	0.403	0.269	0.266	0.087	18	(305)	(342)	(145)
3	17	11	141	1,624	1,610	1,608	-	-	-	-	33	-	-	-	-	-	-	-	63	2,798	2,956	3,345	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	46	(1,229)	(1,402)	(1,792)	0.397	0.270	0.269	0.000	18	(331)	(377)	-
3	17	12	145	1,664	1,651	1,649	-	-	-	-	31	-	-	-	-	-	-	-	65	2,838	3,009	3,410	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	49	(1,225)	(1,411)	(1,813)	0.398	0.270	0.270	0.000	20	(331)	(380)	-
3	17	13	148	1,704	1,695	1,697	-	-	-	-	30	-	-	-	-	-	-	-	66	2,854	3,031	3,436	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	52	(1,202)	(1,388)	(1,790)	0.399	0.270	0.270	0.000	21	(324)	(374)	-
3	17	14	152	1,754	1,749	1,754	-	-	-	-	33	-	-	-	-	-	-	-	63	2,749	2,917	3,314	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	56	(1,047)	(1,221)	(1,617)	0.398	0.270	0.270	0.000	22	(282)	(329)	-
3	17	15	154	1,782	1,780	1,788	-	-	-	-	35	-	-	-	-	-	-	-	57	2,506	2,656	3,037	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	62	(781)	(935)	(1,310)	0.401	0.270	0.270	0.000	25	(211)	(252)	-
3	17	16	155	1,804	1,809	1,825	-	-	-	-	36	-	-	-	-	-	-	-	43	1,871	1,989	2,343	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	76	(132)	(245)	(585)	0.409	0.261	0.263	0.185	31	(34)	(64)	(108)
3	17	17	154	1,802	1,816	1,838	-	-	-	-	41	-	-	-	-	-	-	-	29	1,365	1,434	1,743	-	68	68	68	-	(0)	1	1	-	-	-	-	84	370	313	27	0.408	0.283	0.381	0.384	34	105	119	10
3	17	18	152	1,782	1,802	1,829	-	-	-	-	47	-	-	-	-	-	-	-	7	439	448	703	-	68	68	68	-	(1)	(0)	4	-	-	-	-	98	1,276	1,286	1,054	0.406	0.412	0.392	0.385	40	525	505	406
3	17	19	152	1,782	1,806	1,836	-	-	-	-	49	-	-	-	-	-	-	-	0	88	88	335	-	68	68	68	-	5	(0)	9	-	-	-	-	102	1,621	1,650	1,424	0.418	0.420	0.400	0.389	43	682	661	553

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	17	20	159	1,870	1,897	1,930	-	-	-	-	50	-	-	-	-	-	-	-	-	88	88	335	-	68	68	68	-	13	1	6	-	-	-	-	109	1,701	1,740	1,521	0.417	0.422	0.401	0.389	45	718	698	592
3	17	21	158	1,855	1,882	1,915	-	-	-	-	50	-	-	-	-	-	-	-	-	75	75	322	-	68	68	68	-	8	4	11	-	-	-	-	107	1,705	1,736	1,515	0.407	0.412	0.397	0.387	44	703	690	586
3	17	22	149	1,755	1,783	1,816	-	-	-	-	49	-	-	-	-	-	-	-	-	47	47	294	-	68	68	68	-	4	2	5	-	-	-	-	100	1,636	1,667	1,450	0.409	0.407	0.394	0.381	41	666	657	552
3	17	23	135	1,588	1,614	1,644	-	-	-	-	43	-	-	-	-	-	-	-	-	35	35	282	-	68	68	68	-	4	4	5	-	-	-	-	92	1,482	1,507	1,290	0.414	0.406	0.389	0.370	38	601	587	477
3	17	24	138	1,623	1,645	1,673	-	-	-	-	38	-	-	-	-	-	-	-	-	37	37	284	-	68	68	68	-	4	2	1	-	-	-	-	100	1,513	1,539	1,319	0.413	0.407	0.383	0.364	41	616	590	481
3	18	1	110	1,286	1,295	1,309	-	-	-	-	31	-	-	-	-	-	-	-	-	39	39	286	-	68	68	68	-	6	8	1	-	-	-	-	79	1,173	1,180	954	0.413	0.404	0.377	0.364	33	474	445	347
3	18	2	103	1,203	1,205	1,212	-	-	-	-	30	-	-	-	-	-	-	-	-	38	38	285	-	68	68	68	-	0	5	(1)	-	-	-	-	74	1,097	1,095	860	0.412	0.406	0.373	0.364	30	445	408	313
3	18	3	99	1,145	1,140	1,141	-	-	-	-	31	-	-	-	-	-	-	-	-	39	39	286	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,037	1,031	788	0.412	0.406	0.374	0.365	28	421	385	287
3	18	4	97	1,118	1,108	1,104	-	-	-	-	31	-	-	-	-	-	-	-	-	43	43	290	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,006	991	746	0.412	0.406	0.376	0.365	27	409	373	272
3	18	5	98	1,128	1,112	1,103	-	-	-	-	36	-	-	-	-	-	-	-	-	43	43	290	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,013	993	747	0.412	0.407	0.377	0.366	26	412	374	273
3	18	6	105	1,204	1,184	1,173	-	-	-	-	45	-	-	-	-	-	-	-	0	49	49	296	-	68	68	68	-	13	9	6	-	-	-	-	60	1,074	1,058	803	0.411	0.409	0.388	0.366	25	439	411	294
3	18	7	118	1,344	1,323	1,312	-	-	-	-	46	-	-	-	-	-	-	-	13	840	841	1,089	-	68	68	68	-	3	2	2	-	-	-	-	58	433	413	153	0.411	0.410	0.394	0.379	24	178	163	58
3	18	8	127	1,456	1,437	1,430	-	-	-	-	42	-	-	-	-	-	-	-	33	1,799	1,840	2,124	-	68	68	68	-	(2)	1	3	-	-	-	-	52	(409)	(472)	(764)	0.409	0.286	0.405	0.395	21	(117)	(191)	(302)
3	18	9	131	1,500	1,484	1,482	-	-	-	-	37	-	-	-	-	-	-	-	48	2,394	2,489	2,821	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	45	(956)	(1,068)	(1,401)	0.409	0.272	0.263	0.268	19	(261)	(281)	(376)
3	18	10	135	1,545	1,530	1,528	-	-	-	-	35	-	-	-	-	-	-	-	59	2,750	2,891	3,264	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	41	(1,258)	(1,417)	(1,792)	0.403	0.269	0.266	0.087	16	(338)	(377)	(156)
3	18	11	139	1,596	1,581	1,578	-	-	-	-	33	-	-	-	-	-	-	-	64	2,872	3,041	3,440	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,330)	(1,516)	(1,916)	0.397	0.270	0.269	0.000	16	(359)	(407)	-
3	18	12	142	1,634	1,620	1,618	-	-	-	-	31	-	-	-	-	-	-	-	66	2,908	3,090	3,500	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	45	(1,326)	(1,522)	(1,935)	0.398	0.270	0.270	0.000	18	(358)	(411)	-
3	18	13	143	1,654	1,643	1,644	-	-	-	-	30	-	-	-	-	-	-	-	67	2,921	3,108	3,523	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	46	(1,319)	(1,517)	(1,930)	0.399	0.270	0.270	0.000	18	(356)	(409)	-
3	18	14	145	1,677	1,670	1,673	-	-	-	-	33	-	-	-	-	-	-	-	66	2,902	3,083	3,492	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	46	(1,276)	(1,466)	(1,876)	0.398	0.270	0.270	0.000	18	(344)	(395)	-
3	18	15	146	1,688	1,683	1,689	-	-	-	-	35	-	-	-	-	-	-	-	62	2,757	2,919	3,310	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	49	(1,127)	(1,294)	(1,682)	0.401	0.270	0.270	0.000	20	(304)	(349)	-
3	18	16	146	1,696	1,699	1,711	-	-	-	-	36	-	-	-	-	-	-	-	52	2,403	2,529	2,890	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	58	(772)	(895)	(1,245)	0.409	0.261	0.263	0.185	24	(202)	(236)	(231)
3	18	17	145	1,697	1,708	1,727	-	-	-	-	41	-	-	-	-	-	-	-	34	1,712	1,782	2,092	-	68	68	68	-	(0)	1	1	-	-	-	-	70	(82)	(142)	(432)	0.408	0.283	0.381	0.384	29	(23)	(54)	(166)
3	18	18	144	1,681	1,698	1,723	-	-	-	-	47	-	-	-	-	-	-	-	10	619	628	883	-	68	68	68	-	(1)	(0)	4	-	-	-	-	87	995	1,003	768	0.406	0.412	0.392	0.385	35	409	393	295
3	18	19	144	1,689	1,710	1,739	-	-	-	-	49	-	-	-	-	-	-	-	0	74	74	321	-	68	68	68	-	5	(0)	9	-	-	-	-	95	1,543	1,569	1,341	0.418	0.420	0.400	0.389	40	649	628	521
3	18	20	152	1,789	1,814	1,845	-	-	-	-	50	-	-	-	-	-	-	-	-	66	66	313	-	68	68	68	-	13	1	6	-	-	-	-	102	1,642	1,679	1,458	0.417	0.422	0.401	0.389	42	693	673	568
3	18	21	151	1,778	1,804	1,835	-	-	-	-	50	-	-	-	-	-	-	-	-	61	61	308	-	68	68	68	-	8	4	11	-	-	-	-	101	1,642	1,671	1,449	0.407	0.412	0.397	0.387	41	677	664	560
3	18	22	144	1,699	1,725	1,757	-	-	-	-	49	-	-	-	-	-	-	-	-	61	61	308	-	68	68	68	-	4	2	5	-	-	-	-	96	1,567	1,595	1,377	0.409	0.407	0.394	0.381	39	637	629	524
3	18	23	134	1,573	1,598	1,627	-	-	-	-	43	-	-	-	-	-	-	-	-	57	57	304	-	68	68	68	-	4	4	5	-	-	-	-	91	1,444	1,469	1,251	0.414	0.406	0.389	0.370	38	586	572	463
3	18	24	135	1,593	1,615	1,641	-	-	-	-	38	-	-	-	-	-	-	-	-	48	48	295	-	68	68	68	-	4	2	1	-	-	-	-	97	1,473	1,497	1,277	0.413	0.407	0.383	0.364	40	599	574	465
3	19	1	110	1,286	1,295	1,309	-	-	-	-	31	-	-	-	-	-	-	-	-	38	38	285	-	68	68	68	-	6	8	1	-	-	-	-	79	1,174	1,181	955	0.413	0.404	0.377	0.364	33	475	445	348
3	19	2	103	1,195	1,197	1,204	-	-	-	-	30	-	-	-	-	-	-	-	-	32	32	279	-	68	68	68	-	0	5	(1)	-	-	-	-	73	1,095	1,093	858	0.412	0.406	0.373	0.364	30	445	407	312
3	19	3	98	1,136	1,131	1,131	-	-	-	-	31	-	-	-	-	-	-	-	-	26	26	273	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,040	1,033	791	0.412	0.406	0.374	0.365	28	423	386	288
3	19	4	96	1,101	1,091	1,086	-	-	-	-	31	-	-	-	-	-	-	-	-	23	23	270	-	68	68	68	-	1	5	(0)	-	-	-	-	65	1,010	995	749	0.412	0.406	0.376	0.365	27	410	374	273
3	19	5	95	1,090	1,073	1,063	-	-	-	-	36	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	4	9	(1)	-	-	-	-	59	998	976	729	0.412	0.407	0.377	0.366	24	406	368	267
3	19	6	98	1,113	1,092	1,079	-	-	-	-	45	-	-	-	-	-	-	-	0	24	24	271	-	68	68	68	-	13	9	6	-	-	-	-	52	1,009	991	734	0.411	0.409	0.388	0.366	22	412	385	269
3	19	7	103	1,170	1,146	1,130	-	-	-	-	46	-	-	-	-	-	-	-	14	898	899	1,147	-	68	68	68	-	3	2	2	-	-	-	-	42	201	177	(87)	0.411	0.410	0.394	0.379	17	83	70	(33)
3	19	8	109	1,235	1,212	1,199	-	-	-	-	42	-	-	-	-	-	-	-	33	1,798	1,838	2,122	-	68	68	68	-	(2)	1	3	-	-	-	-	33	(628)	(696)	(993)	0.409	0.286	0.405	0.395	13	(179)	(282)	(393)
3	19	9	115	1,317	1,298	1,291	-	-	-	-	37	-	-	-	-	-	-	-	49	2,379	2,474	2,805	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	30	(1,124)	(1,240)	(1,577)	0.409	0.272	0.263	0.268	12	(306)	(326)	(423)
3	19	10	122	1,394	1,375	1,369	-	-	-	-	35	-	-	-	-	-	-	-	59	2,736	2,873	3,243	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	28	(1,395)	(1,553)	(1,929)	0.403	0.269	0.266	0.087	11	(375)	(413)	(168)
3	19	11	126	1,440	1,422	1,415	-	-	-	-	33	-	-	-	-	-	-	-	63	2,811	2,973	3,365	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	29	(1,425)	(1,607)	(2,005)	0.397	0.270	0.269	0.000	12	(384)	(432)	-
3	19	12	127	1,453	1,435	1,428	-	-	-	-	31	-	-	-	-	-	-	-	64	2,829	2,997	3,395	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	32	(1,428)	(1,615)	(2,020)	0.398	0.270	0.270	0.000	13	(385)	(436)	-
3	19	13	127	1,462	1,447	1,443	-	-	-	-	30	-	-	-	-	-	-	-	64	2,845	3,014	3,413	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	33	(1,434)	(1,619)	(2,022)	0.399	0.270	0.270	0.000	13	(387)	(437)	-
3	19	14	127	1,460	1,448	1,446	-	-	-	-	33	-	-	-	-	-	-	-	64	2,857	3,023	3,420	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	30	(1,448)	(1,628)	(2,031)	0.398	0.270	0.270	0.000	12	(390)	(439)	-
3	19	15	127	1,466	1,456	1,456	-	-	-	-	35	-	-	-	-	-	-	-	60	2,778	2,925	3,304	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	32	(1,369)	(1,528)	(1,909)	0.401	0.270	0.270	0.000	13	(369)	(412)	-
3	19	16	128	1,484	1,482	1,489	-	-	-	-	36	-	-	-	-	-	-	-	51	2,425	2,544	2,898	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	41	(1,006)	(1,127)	(1,476)	0.409	0.261	0.263	0.185	17	(263)	(297)	(274)
3	19	17	129	1,497	1,504	1,518	-	-	-	-	41	-	-	-	-	-	-	-	33	1,640	1,707	2,015	-	68	68	68	-	(0)	1	1	-	-	-	-	55	(210)	(271)	(564)	0.408	0.283	0.381	0.384	22	(59)	(103)	(217)
3	19	18	129	1,507	1,520	1,540	-	-	-	-	47	-	-	-	-	-	-	-	9	613	623	878	-	68	68	68	-	(1)	(0)	4	-	-	-	-	72	826	830	590	0.406	0.412	0.392	0.385	29	340	325	227
3	19	19	132	1,551	1,569	1,594	-	-	-	-	49	-	-	-	-	-	-	-	0	99	99	346	-	68	68	68	-	5	(0)	9	-	-	-	-	83	1,379	1,403	1,171	0.418	0.420	0.400	0.389	35	580	561	455
3	19	20	142	1,668	1,690	1,719	-	-	-	-	50	-	-	-	-	-	-	-	-	90	90	337	-	68	68	68	-	13	1	6	-	-	-	-	92	1,498	1,532	1,308	0.417	0.422	0.401	0.389	38	632	614	509
3	19	21	142	1,670	1,693	1,721	-	-	-	-	50	-	-	-	-	-	-	-	-	73	73	320	-	68	68	68	-	8	4	11	-	-	-	-	92	1,521	1,548	1,323	0.407	0.412	0.397	0.387	37	627	615	511
3	19	22	136	1,603	1,626	1,655	-	-	-	-	49	-	-	-	-	-	-	-	-	53	53	300	-	68	68	68	-	4	2	5	-	-	-	-	88	1,477	1,504	1,283	0.409	0.407	0.394	0.381	36	601	593	488
3	19	23	128	1,502	1,526	1,553	-	-	-	-	43	-	-	-	-	-	-	-	-	51	51	298	-	68	68	68	-	4	4	5	-	-	-	-	85	1,380	1,403	1,183	0.414	0.406	0.389	0.370	35	560	546	438
3	19	24	124	1,454	1,473	1,496	-	-	-	-	38	-	-	-	-	-	-	-	-	53	53	300	-	68	68	68	-	4	2	1	-	-	-	-	86	1,330	1,351	1,127	0.413	0.407	0.383	0.364	35	541	518	411
3	20	1	108	1,256	1,265	1,278	-	-	-	-	31	-	-	-	-	-	-	-	-	58	58	305	-	68	68	68	-	6	8	1	-	-	-	-	76	1,125	1,132	905	0.413	0.404	0.377	0.364	31	455	427	329
3	20	2	101	1,172	1,173	1,179	-	-	-	-	30	-	-	-	-	-	-	-	-	67	67	314	-	68	68	68	-	0	5	(1)	-	-	-	-	71	1,037	1,034	798	0.412	0.406	0.373	0.364	29	421	385	291
3	20	3	96	1,111	1,105	1,105	-	-	-	-	31	-	-	-	-	-	-	-	-	72	72	319	-	68	68	68	-	2	4	(0)	-	-	-	-	65	969	962	718	0.412	0.406	0.374	0.365	27	394	359	262
3	20	4	93	1,074	1,063	1,058	-	-	-	-	31	-	-	-	-	-	-	-	-	68	68	315	-	68	68	68	-	1	5	(0)	-	-	-	-	63	937	921	675	0.412	0.406	0.376	0.365	26	381	346	246
3	20	5	93	1,059	1,041	1,031	-	-	-	-	36	-	-	-	-	-	-	-	-	64	64	311	-	68	68	68	-	4	9	(1)	-	-	-	-	57	924	901	654	0.412	0.407	0.377	0.366	23	376	340	239
3	20	6	94	1,064	1,042	1,027	-	-	-	-	45	-	-	-	-	-	-	-	0	57	57	304	-	68	68	68	-	13	9	6	-	-	-	-	48	927	908	650	0.411	0.409	0.388	0.366	20	379	353	238
3	20	7	97	1,099	1,072	1,055	-	-	-	-	46	-	-	-	-	-	-	-	1	108	108	355	-	68	68	68	-	3	2	2	-	-	-	-	49	920	895	630	0.411	0.410	0.394	0.379	20	378	353	238
3	20	8	100	1,135	1,109	1,094	-	-	-	-	42	-	-	-	-	-	-	-	5	242	253	510	-	68	68	68	-	(2)	1	3	-	-	-	-	53	828	787	513	0.409	0.286	0.405	0.395	22	236	319	203
3	20	9	105	1,192	1,169	1,159	-	-	-	-	37	-	-	-	-	-	-	-	10	426	460	736	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	58	703	646	361	0.409	0.272	0.263	0.268	24	192	170	97
3	20	10	112	1,271	1,249	1,240	-	-	-	-	35	-	-	-	-	-	-	-	16	674	729	1,025	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	60	544	465	160	0.403	0.269	0.266	0.087	24	146	124	14
3	20	11	116	1,320	1,298	1,288	-	-	-	-	33	-	-	-	-	-	-	-	26	1,246	1,311	1,617	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	56	20	(69)	(384)	0.397	0.270	0.269	0.000	22	5	(19)	-
3	20	12	118	1,345	1,325	1,315	-	-	-	-	31	-	-	-	-	-	-	-	46	2,329	2,421	2,749	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	41	(1,036)	(1,148)	(1,487)	0.398	0.270	0.270	0.000	16	(279)	(310)	-
3	20	13	119	1,359	1,342	1,335	-	-	-	-	30	-	-	-	-	-	-	-	41	1,984	2,075	2,403	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	48	(677)	(785)	(1,119)	0.399	0.270	0.270	0.000	19	(183)	(212)	-
3	20	14	120	1,374	1,360	1,355	-	-	-	-	33	-	-	-	-	-	-	-	49	2,578	2,658	2,977	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	38	(1,255)	(1,351)	(1,679)	0.398	0.270	0.270	0.000	15	(338)	(364)	-
3	20	15	120	1,380	1,368	1,366	-	-	-	-	35	-	-	-	-	-	-	-	35	1,771	1,850	2,167	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	50	(448)	(541)	(862)	0.401	0.270	0.270	0.000	20	(121)	(146)	-
3	20	16	121	1,399	1,395	1,400	-	-	-	-	36	-	-	-	-	-	-	-	24	1,230	1,287	1,585	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	60	105	43	(252)	0.409	0.261	0.263	0.185	25	27	11	(47)
3	20	17	122	1,422	1,427	1,439	-	-	-	-	41	-	-	-	-	-	-	-	23	1,296	1,334	1,615	-	68	68	68	-	(0)	1	1	-	-	-	-	58	59	25	(244)	0.408	0.283	0.381	0.384	24	17	10	(94)
3	20	18	124	1,452	1,464	1,482	-	-	-	-	47	-	-	-	-	-	-	-	6	460	465	716	-	68	68	68	-	(1)	(0)	4	-	-	-	-	71	925	931	694	0.406	0.412	0.392	0.385	29	381	365	267
3	20	19	130	1,524	1,542	1,566	-	-	-	-	49	-	-	-	-	-	-	-	0	110	110	357	-	68	68	68	-	5	(0)	9	-	-	-	-	81	1,342	1,364	1,132	0.418	0.420	0.400	0.389	34	564	546	440
3	20	20	141	1,660	1,682	1,710	-	-	-	-	50	-	-	-	-	-	-	-	-	92	92	339	-	68	68	68	-	13	1	6	-	-	-	-	91	1,487	1,521	1,296	0.417	0.422	0.401	0.389	38	627	610	505
3	20	21	143	1,675	1,699	1,727	-	-	-	-	50	-	-	-	-	-	-	-	-	64	64	311	-	68	68	68	-	8	4	11	-	-	-	-	92	1,536	1,563	1,338	0.407	0.412	0.397	0.387	38	633	621	517
3	20	22	136	1,601	1,625	1,654	-	-	-	-	49	-	-	-	-	-	-	-	-	72	72	319	-	68	68	68	-	4	2	5	-	-	-	-	87	1,457	1,483	1,262	0.409	0.407	0.394	0.381	36	593	585	481
3	20	23	125	1,470	1,493	1,520	-	-	-	-	43	-	-	-	-	-	-	-	-	95	95	342	-	68	68	68	-	4	4	5	-	-	-	-	82	1,304	1,326	1,106	0.414	0.406	0.389	0.370	34	529	516	409
3	20	24	117	1,379	1,396	1,417	-	-	-	-	38	-	-	-	-	-	-	-	-	106	106	353	-	68	68	68	-	4	2	1	-	-	-	-	79	1,201	1,221	995	0.413	0.407	0.383	0.364	33	489	468	363
3	21	1	104	1,212	1,219	1,231	-	-	-	-	31	-	-	-	-	-	-	-	-	98	98	345	-	68	68	68	-	6	8	1	-	-	-	-	72	1,041	1,046	818	0.413	0.404	0.377	0.364	30	421	394	298
3	21	2	98	1,138	1,139	1,144	-	-	-	-	30	-	-	-	-	-	-	-	-	75	75	322	-	68	68	68	-	0	5	(1)	-	-	-	-	68	995	991	755	0.412	0.406	0.373	0.364	28	404	369	275
3	21	3	95	1,094	1,088	1,087	-	-	-	-	31	-	-	-	-	-	-	-	-	59	59	306	-	68	68	68	-	2	4	(0)	-	-	-	-	64	965	957	714	0.412	0.406	0.374	0.365	26	392	358	260
3	21	4	93	1,075	1,064	1,059	-	-	-	-	31	-	-	-	-	-	-	-	-	42	42	289	-	68	68	68	-	1	5	(0)	-	-	-	-	63	964	949	702	0.412	0.406	0.376	0.365	26	392	357	256
3	21	5	95	1,092	1,076	1,066	-	-	-	-	36	-	-	-	-	-	-	-	-	38	38	285	-	68	68	68	-	4	9	(1)	-	-	-	-	60	982	961	714	0.412	0.407	0.377	0.366	25	400	363	262
3	21	6	102	1,168	1,148	1,136	-	-	-	-	45	-	-	-	-	-	-	-	0	41	41	288	-	68	68	68	-	13	9	6	-	-	-	-	57	1,047	1,031	775	0.411	0.409	0.388	0.366	23	428	401	284
3	21	7	115	1,309	1,287	1,276	-	-	-	-	46	-	-	-	-	-	-	-	13	843	844	1,092	-	68	68	68	-	3	2	2	-	-	-	-	55	395	374	114	0.411	0.410	0.394	0.379	23	162	147	43
3	21	8	125	1,435	1,416	1,409	-	-	-	-	42	-	-	-	-	-	-	-	30	1,679	1,709	1,984	-	68	68	68	-	(2)	1	3	-	-	-	-	53	(309)	(362)	(646)	0.409	0.286	0.405	0.395	22	(88)	(147)	(255)
3	21	9	131	1,500	1,485	1,483	-	-	-	-	37	-	-	-	-	-	-	-	45	2,337	2,408	2,719	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	48	(899)	(986)	(1,298)	0.409	0.272	0.263	0.268	20	(245)	(259)	(348)
3	21	10	136	1,559	1,544	1,542	-	-	-	-	35	-	-	-	-	-	-	-	55	2,652	2,761	3,105	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	46	(1,147)	(1,273)	(1,618)	0.403	0.269	0.266	0.087	19	(308)	(338)	(141)
3	21	11	139	1,594	1,579	1,577	-	-	-	-	33	-	-	-	-	-	-	-	56	2,626	2,747	3,102	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	50	(1,086)	(1,223)	(1,581)	0.397	0.270	0.269	0.000	20	(293)	(329)	-
3	21	12	140	1,609	1,595	1,592	-	-	-	-	31	-	-	-	-	-	-	-	59	2,727	2,861	3,228	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	51	(1,170)	(1,319)	(1,689)	0.398	0.270	0.270	0.000	20	(316)	(356)	-
3	21	13	141	1,622	1,611	1,611	-	-	-	-	30	-	-	-	-	-	-	-	57	2,616	2,754	3,124	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	53	(1,046)	(1,195)	(1,564)	0.399	0.270	0.270	0.000	21	(282)	(322)	-
3	21	14	141	1,628	1,619	1,621	-	-	-	-	33	-	-	-	-	-	-	-	57	2,717	2,840	3,198	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	51	(1,140)	(1,274)	(1,634)	0.398	0.270	0.270	0.000	20	(308)	(343)	-
3	21	15	141	1,632	1,626	1,631	-	-	-	-	35	-	-	-	-	-	-	-	53	2,485	2,604	2,958	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	54	(910)	(1,037)	(1,388)	0.401	0.270	0.270	0.000	21	(245)	(280)	-
3	21	16	141	1,633	1,635	1,646	-	-	-	-	36	-	-	-	-	-	-	-	45	2,127	2,228	2,566	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	60	(559)	(659)	(987)	0.409	0.261	0.263	0.185	24	(146)	(173)	(183)
3	21	17	139	1,626	1,636	1,654	-	-	-	-	41	-	-	-	-	-	-	-	28	1,397	1,457	1,758	-	68	68	68	-	(0)	1	1	-	-	-	-	70	162	111	(172)	0.408	0.283	0.381	0.384	29	46	42	(66)
3	21	18	139	1,625	1,641	1,664	-	-	-	-	47	-	-	-	-	-	-	-	8	501	508	762	-	68	68	68	-	(1)	(0)	4	-	-	-	-	84	1,057	1,065	831	0.406	0.412	0.392	0.385	34	435	418	319
3	21	19	142	1,664	1,685	1,712	-	-	-	-	49	-	-	-	-	-	-	-	0	62	62	309	-	68	68	68	-	5	(0)	9	-	-	-	-	92	1,530	1,556	1,326	0.418	0.420	0.400	0.389	39	643	623	516
3	21	20	152	1,790	1,815	1,846	-	-	-	-	50	-	-	-	-	-	-	-	-	71	71	318	-	68	68	68	-	13	1	6	-	-	-	-	102	1,639	1,675	1,454	0.417	0.422	0.401	0.389	42	691	672	566
3	21	21	153	1,796	1,822	1,854	-	-	-	-	50	-	-	-	-	-	-	-	-	76	76	323	-	68	68	68	-	8	4	11	-	-	-	-	102	1,645	1,674	1,452	0.407	0.412	0.397	0.387	42	678	665	561
3	21	22	145	1,705	1,732	1,763	-	-	-	-	49	-	-	-	-	-	-	-	-	82	82	329	-	68	68	68	-	4	2	5	-	-	-	-	96	1,551	1,580	1,362	0.409	0.407	0.394	0.381	39	631	623	519
3	21	23	132	1,549	1,573	1,602	-	-	-	-	43	-	-	-	-	-	-	-	-	86	86	333	-	68	68	68	-	4	4	5	-	-	-	-	89	1,392	1,416	1,197	0.414	0.406	0.389	0.370	37	564	551	443
3	21	24	133	1,559	1,581	1,606	-	-	-	-	38	-	-	-	-	-	-	-	-	93	93	340	-	68	68	68	-	4	2	1	-	-	-	-	95	1,394	1,418	1,197	0.413	0.407	0.383	0.364	39	567	543	436
3	22	1	108	1,261	1,270	1,283	-	-	-	-	31	-	-	-	-	-	-	-	-	96	96	343	-	68	68	68	-	6	8	1	-	-	-	-	77	1,091	1,098	871	0.413	0.404	0.377	0.364	32	441	414	317
3	22	2	102	1,181	1,183	1,189	-	-	-	-	30	-	-	-	-	-	-	-	-	95	95	342	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,019	1,016	780	0.412	0.406	0.373	0.364	30	413	379	284
3	22	3	98	1,130	1,125	1,125	-	-	-	-	31	-	-	-	-	-	-	-	-	95	95	342	-	68	68	68	-	2	4	(0)	-	-	-	-	67	966	959	716	0.412	0.406	0.374	0.365	28	392	358	261
3	22	4	96	1,108	1,098	1,094	-	-	-	-	31	-	-	-	-	-	-	-	-	94	94	341	-	68	68	68	-	1	5	(0)	-	-	-	-	66	946	931	686	0.412	0.406	0.376	0.365	27	384	350	250
3	22	5	98	1,122	1,106	1,097	-	-	-	-	36	-	-	-	-	-	-	-	-	86	86	333	-	68	68	68	-	4	9	(1)	-	-	-	-	62	965	944	698	0.412	0.407	0.377	0.366	26	393	356	256
3	22	6	105	1,202	1,183	1,171	-	-	-	-	45	-	-	-	-	-	-	-	0	82	82	329	-	68	68	68	-	13	9	6	-	-	-	-	60	1,039	1,024	769	0.411	0.409	0.388	0.366	25	425	398	282

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	22	7	119	1,359	1,339	1,328	-	-	-	-	46	-	-	-	-	-	-	-	14	954	955	1,203	-	68	68	68	-	3	2	2	-	-	-	-	58	335	315	55	0.411	0.410	0.394	0.379	24	137	124	21
3	22	8	127	1,460	1,442	1,435	-	-	-	-	42	-	-	-	-	-	-	-	33	1,825	1,867	2,152	-	68	68	68	-	(2)	1	3	-	-	-	-	52	(430)	(494)	(788)	0.409	0.286	0.405	0.395	21	(123)	(200)	(312)
3	22	9	131	1,499	1,484	1,481	-	-	-	-	37	-	-	-	-	-	-	-	46	2,258	2,355	2,689	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	48	(821)	(935)	(1,269)	0.409	0.272	0.263	0.268	19	(224)	(245)	(341)
3	22	10	135	1,548	1,533	1,531	-	-	-	-	35	-	-	-	-	-	-	-	50	2,249	2,385	2,755	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	50	(754)	(908)	(1,279)	0.403	0.269	0.266	0.087	20	(203)	(241)	(112)
3	22	11	138	1,581	1,566	1,563	-	-	-	-	33	-	-	-	-	-	-	-	47	1,973	2,122	2,502	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	57	(446)	(611)	(994)	0.397	0.270	0.269	0.000	23	(120)	(164)	-
3	22	12	139	1,602	1,588	1,584	-	-	-	-	31	-	-	-	-	-	-	-	44	1,743	1,891	2,271	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	65	(193)	(356)	(739)	0.398	0.270	0.270	0.000	26	(52)	(96)	-
3	22	13	140	1,609	1,598	1,597	-	-	-	-	30	-	-	-	-	-	-	-	46	1,921	2,067	2,446	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	63	(363)	(522)	(900)	0.399	0.270	0.270	0.000	25	(98)	(141)	-
3	22	14	140	1,618	1,609	1,611	-	-	-	-	33	-	-	-	-	-	-	-	36	1,451	1,575	1,933	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	71	116	(18)	(379)	0.398	0.270	0.270	0.000	28	31	(5)	-
3	22	15	140	1,618	1,612	1,616	-	-	-	-	35	-	-	-	-	-	-	-	26	893	1,003	1,349	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	79	668	549	205	0.401	0.270	0.270	0.000	32	180	148	-
3	22	16	140	1,622	1,624	1,634	-	-	-	-	36	-	-	-	-	-	-	-	15	410	489	807	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	89	1,148	1,070	761	0.409	0.261	0.263	0.185	36	300	281	141
3	22	17	138	1,614	1,624	1,641	-	-	-	-	41	-	-	-	-	-	-	-	17	743	795	1,089	-	68	68	68	-	(0)	1	1	-	-	-	-	81	804	761	484	0.408	0.283	0.381	0.384	33	228	290	186
3	22	18	138	1,609	1,625	1,648	-	-	-	-	47	-	-	-	-	-	-	-	4	231	240	496	-	68	68	68	-	(1)	(0)	4	-	-	-	-	86	1,312	1,317	1,081	0.406	0.412	0.392	0.385	35	540	517	416
3	22	19	140	1,646	1,667	1,694	-	-	-	-	49	-	-	-	-	-	-	-	0	74	74	321	-	68	68	68	-	5	(0)	9	-	-	-	-	91	1,500	1,526	1,296	0.418	0.420	0.400	0.389	38	631	611	504
3	22	20	151	1,778	1,803	1,834	-	-	-	-	50	-	-	-	-	-	-	-	-	80	80	327	-	68	68	68	-	13	1	6	-	-	-	-	101	1,618	1,654	1,433	0.417	0.422	0.401	0.389	42	683	663	558
3	22	21	152	1,791	1,817	1,849	-	-	-	-	50	-	-	-	-	-	-	-	-	67	67	314	-	68	68	68	-	8	4	11	-	-	-	-	102	1,649	1,678	1,457	0.407	0.412	0.397	0.387	41	680	667	563
3	22	22	145	1,702	1,728	1,759	-	-	-	-	49	-	-	-	-	-	-	-	-	40	40	287	-	68	68	68	-	4	2	5	-	-	-	-	96	1,590	1,619	1,400	0.409	0.407	0.394	0.381	39	647	638	533
3	22	23	132	1,550	1,575	1,604	-	-	-	-	43	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	4	4	5	-	-	-	-	89	1,448	1,472	1,254	0.414	0.406	0.389	0.370	37	587	573	464
3	22	24	132	1,556	1,577	1,603	-	-	-	-	38	-	-	-	-	-	-	-	-	25	25	272	-	68	68	68	-	4	2	1	-	-	-	-	94	1,459	1,483	1,262	0.413	0.407	0.383	0.364	39	594	568	460
3	23	1	108	1,266	1,275	1,288	-	-	-	-	31	-	-	-	-	-	-	-	-	15	15	262	-	68	68	68	-	6	8	1	-	-	-	-	77	1,177	1,184	957	0.413	0.404	0.377	0.364	32	476	446	348
3	23	2	102	1,188	1,190	1,197	-	-	-	-	30	-	-	-	-	-	-	-	-	13	13	260	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,108	1,105	870	0.412	0.406	0.373	0.364	30	450	412	317
3	23	3	98	1,138	1,133	1,134	-	-	-	-	31	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,053	1,046	803	0.412	0.406	0.374	0.365	28	428	391	293
3	23	4	97	1,119	1,109	1,105	-	-	-	-	31	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	1	5	(0)	-	-	-	-	67	1,031	1,016	771	0.412	0.406	0.376	0.365	27	419	382	281
3	23	5	99	1,133	1,117	1,109	-	-	-	-	36	-	-	-	-	-	-	-	-	23	23	270	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,038	1,018	772	0.412	0.407	0.377	0.366	26	423	384	283
3	23	6	106	1,215	1,196	1,185	-	-	-	-	45	-	-	-	-	-	-	-	0	32	32	279	-	68	68	68	-	13	9	6	-	-	-	-	61	1,102	1,087	832	0.411	0.409	0.388	0.366	25	450	422	305
3	23	7	119	1,364	1,344	1,333	-	-	-	-	46	-	-	-	-	-	-	-	9	560	561	809	-	68	68	68	-	3	2	2	-	-	-	-	64	733	713	454	0.411	0.410	0.394	0.379	26	301	281	172
3	23	8	128	1,464	1,445	1,439	-	-	-	-	42	-	-	-	-	-	-	-	20	1,056	1,090	1,367	-	68	68	68	-	(2)	1	3	-	-	-	-	65	342	287	1	0.409	0.286	0.405	0.395	27	98	116	0
3	23	9	130	1,497	1,481	1,479	-	-	-	-	37	-	-	-	-	-	-	-	29	1,272	1,350	1,667	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	64	162	67	(250)	0.409	0.272	0.263	0.268	26	44	18	(67)
3	23	10	134	1,537	1,522	1,520	-	-	-	-	35	-	-	-	-	-	-	-	37	1,474	1,592	1,944	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	63	10	(125)	(479)	0.403	0.269	0.266	0.087	25	3	(33)	(42)
3	23	11	137	1,572	1,556	1,553	-	-	-	-	33	-	-	-	-	-	-	-	51	2,209	2,355	2,732	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	52	(692)	(854)	(1,234)	0.397	0.270	0.269	0.000	21	(187)	(230)	-
3	23	12	139	1,598	1,584	1,581	-	-	-	-	31	-	-	-	-	-	-	-	53	2,188	2,350	2,742	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	55	(641)	(818)	(1,213)	0.398	0.270	0.270	0.000	22	(173)	(221)	-
3	23	13	140	1,617	1,606	1,606	-	-	-	-	30	-	-	-	-	-	-	-	58	2,468	2,640	3,040	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	52	(903)	(1,086)	(1,485)	0.399	0.270	0.270	0.000	21	(243)	(293)	-
3	23	14	141	1,632	1,624	1,626	-	-	-	-	33	-	-	-	-	-	-	-	63	2,838	3,003	3,397	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	45	(1,257)	(1,431)	(1,828)	0.398	0.270	0.270	0.000	18	(339)	(386)	-
3	23	15	142	1,644	1,639	1,643	-	-	-	-	35	-	-	-	-	-	-	-	58	2,578	2,731	3,115	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	49	(991)	(1,151)	(1,533)	0.401	0.270	0.270	0.000	20	(267)	(311)	-
3	23	16	143	1,657	1,659	1,671	-	-	-	-	36	-	-	-	-	-	-	-	49	2,287	2,406	2,761	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	57	(694)	(812)	(1,157)	0.409	0.261	0.263	0.185	23	(182)	(214)	(214)
3	23	17	142	1,662	1,673	1,692	-	-	-	-	41	-	-	-	-	-	-	-	32	1,574	1,643	1,951	-	68	68	68	-	(0)	1	1	-	-	-	-	70	21	(38)	(328)	0.408	0.283	0.381	0.384	29	6	(14)	(126)
3	23	18	141	1,653	1,670	1,694	-	-	-	-	47	-	-	-	-	-	-	-	9	588	597	853	-	68	68	68	-	(1)	(0)	4	-	-	-	-	85	999	1,005	769	0.406	0.412	0.392	0.385	35	411	394	296
3	23	19	143	1,676	1,697	1,725	-	-	-	-	49	-	-	-	-	-	-	-	0	94	94	341	-	68	68	68	-	5	(0)	9	-	-	-	-	93	1,510	1,536	1,307	0.418	0.420	0.400	0.389	39	635	615	508
3	23	20	153	1,795	1,820	1,851	-	-	-	-	50	-	-	-	-	-	-	-	-	94	94	341	-	68	68	68	-	13	1	6	-	-	-	-	102	1,621	1,657	1,437	0.417	0.422	0.401	0.389	43	684	665	559
3	23	21	153	1,802	1,828	1,860	-	-	-	-	50	-	-	-	-	-	-	-	-	96	96	343	-	68	68	68	-	8	4	11	-	-	-	-	103	1,631	1,661	1,439	0.407	0.412	0.397	0.387	42	672	660	556
3	23	22	145	1,711	1,738	1,769	-	-	-	-	49	-	-	-	-	-	-	-	-	86	86	333	-	68	68	68	-	4	2	5	-	-	-	-	97	1,553	1,582	1,364	0.409	0.407	0.394	0.381	40	632	624	519
3	23	23	132	1,558	1,583	1,612	-	-	-	-	43	-	-	-	-	-	-	-	-	84	84	331	-	68	68	68	-	4	4	5	-	-	-	-	90	1,403	1,428	1,210	0.414	0.406	0.389	0.370	37	569	556	448
3	23	24	133	1,561	1,582	1,608	-	-	-	-	38	-	-	-	-	-	-	-	-	73	73	320	-	68	68	68	-	4	2	1	-	-	-	-	95	1,416	1,440	1,219	0.413	0.407	0.383	0.364	39	576	552	444
3	24	1	109	1,272	1,281	1,294	-	-	-	-	31	-	-	-	-	-	-	-	-	58	58	305	-	68	68	68	-	6	8	1	-	-	-	-	78	1,141	1,147	921	0.413	0.404	0.377	0.364	32	461	432	335
3	24	2	103	1,192	1,194	1,200	-	-	-	-	30	-	-	-	-	-	-	-	-	46	46	293	-	68	68	68	-	0	5	(1)	-	-	-	-	73	1,079	1,076	841	0.412	0.406	0.373	0.364	30	438	401	306
3	24	3	98	1,138	1,133	1,134	-	-	-	-	31	-	-	-	-	-	-	-	-	34	34	281	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,035	1,028	786	0.412	0.406	0.374	0.365	28	420	384	286
3	24	4	97	1,118	1,108	1,104	-	-	-	-	31	-	-	-	-	-	-	-	-	20	20	267	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,030	1,015	770	0.412	0.406	0.376	0.365	27	418	382	281
3	24	5	99	1,133	1,117	1,108	-	-	-	-	36	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	4	9	(1)	-	-	-	-	63	1,053	1,032	786	0.412	0.407	0.377	0.366	26	429	389	288
3	24	6	106	1,213	1,194	1,183	-	-	-	-	45	-	-	-	-	-	-	-	0	28	28	275	-	68	68	68	-	13	9	6	-	-	-	-	61	1,105	1,090	835	0.411	0.409	0.388	0.366	25	451	423	306
3	24	7	119	1,361	1,341	1,330	-	-	-	-	46	-	-	-	-	-	-	-	17	1,070	1,072	1,320	-	68	68	68	-	3	2	2	-	-	-	-	55	220	200	(60)	0.411	0.410	0.394	0.379	23	90	79	(23)
3	24	8	127	1,460	1,441	1,434	-	-	-	-	42	-	-	-	-	-	-	-	37	1,984	2,030	2,319	-	68	68	68	-	(2)	1	3	-	-	-	-	48	(590)	(658)	(955)	0.409	0.286	0.405	0.395	20	(168)	(266)	(378)
3	24	9	131	1,506	1,490	1,488	-	-	-	-	37	-	-	-	-	-	-	-	53	2,580	2,684	3,025	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	41	(1,137)	(1,257)	(1,598)	0.409	0.272	0.263	0.268	17	(310)	(330)	(429)
3	24	10	136	1,556	1,541	1,539	-	-	-	-	35	-	-	-	-	-	-	-	61	2,762	2,908	3,285	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	40	(1,259)	(1,422)	(1,801)	0.403	0.269	0.266	0.087	16	(338)	(378)	(157)
3	24	11	140	1,607	1,593	1,590	-	-	-	-	33	-	-	-	-	-	-	-	65	2,836	3,007	3,407	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,283)	(1,470)	(1,872)	0.397	0.270	0.269	0.000	17	(346)	(395)	-
3	24	12	143	1,645	1,631	1,629	-	-	-	-	31	-	-	-	-	-	-	-	67	2,872	3,055	3,466	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	46	(1,279)	(1,477)	(1,890)	0.398	0.270	0.270	0.000	18	(345)	(398)	-
3	24	13	145	1,669	1,659	1,660	-	-	-	-	30	-	-	-	-	-	-	-	65	2,852	3,029	3,434	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	49	(1,234)	(1,421)	(1,824)	0.399	0.270	0.270	0.000	20	(333)	(383)	-
3	24	14	147	1,695	1,688	1,692	-	-	-	-	33	-	-	-	-	-	-	-	64	2,828	2,997	3,394	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	49	(1,184)	(1,361)	(1,759)	0.398	0.270	0.270	0.000	20	(319)	(367)	-
3	24	15	148	1,716	1,713	1,719	-	-	-	-	35	-	-	-	-	-	-	-	61	2,772	2,922	3,302	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	52	(1,113)	(1,268)	(1,644)	0.401	0.270	0.270	0.000	21	(300)	(342)	-
3	24	16	149	1,728	1,732	1,745	-	-	-	-	36	-	-	-	-	-	-	-	54	2,518	2,640	2,996	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	58	(854)	(973)	(1,317)	0.409	0.261	0.263	0.185	24	(223)	(256)	(244)
3	24	17	147	1,722	1,734	1,754	-	-	-	-	41	-	-	-	-	-	-	-	37	1,859	1,928	2,237	-	68	68	68	-	(0)	1	1	-	-	-	-	69	(205)	(263)	(551)	0.408	0.283	0.381	0.384	28	(58)	(100)	(212)
3	24	18	145	1,702	1,720	1,745	-	-	-	-	47	-	-	-	-	-	-	-	12	710	721	978	-	68	68	68	-	(1)	(0)	4	-	-	-	-	86	925	931	695	0.406	0.412	0.392	0.385	35	381	365	267
3	24	19	146	1,710	1,732	1,761	-	-	-	-	49	-	-	-	-	-	-	-	0	30	30	277	-	68	68	68	-	5	(0)	9	-	-	-	-	96	1,608	1,635	1,407	0.418	0.420	0.400	0.389	40	676	654	547
3	24	20	154	1,815	1,841	1,872	-	-	-	-	50	-	-	-	-	-	-	-	-	40	40	287	-	68	68	68	-	13	1	6	-	-	-	-	104	1,694	1,731	1,511	0.417	0.422	0.401	0.389	43	715	694	588
3	24	21	155	1,819	1,845	1,878	-	-	-	-	50	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	8	4	11	-	-	-	-	104	1,698	1,728	1,507	0.407	0.412	0.397	0.387	42	700	686	582
3	24	22	147	1,729	1,756	1,788	-	-	-	-	49	-	-	-	-	-	-	-	-	30	30	277	-	68	68	68	-	4	2	5	-	-	-	-	98	1,627	1,657	1,439	0.409	0.407	0.394	0.381	40	662	653	548
3	24	23	134	1,578	1,603	1,632	-	-	-	-	43	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	4	4	5	-	-	-	-	91	1,489	1,514	1,297	0.414	0.406	0.389	0.370	38	604	590	480
3	24	24	137	1,606	1,628	1,655	-	-	-	-	38	-	-	-	-	-	-	-	-	13	13	260	-	68	68	68	-	4	2	1	-	-	-	-	98	1,521	1,545	1,326	0.413	0.407	0.383	0.364	41	619	592	483
3	25	1	110	1,285	1,294	1,308	-	-	-	-	31	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	6	8	1	-	-	-	-	79	1,197	1,204	978	0.413	0.404	0.377	0.364	32	484	454	356
3	25	2	103	1,201	1,203	1,210	-	-	-	-	30	-	-	-	-	-	-	-	-	12	12	259	-	68	68	68	-	0	5	(1)	-	-	-	-	74	1,122	1,119	885	0.412	0.406	0.373	0.364	30	455	417	322
3	25	3	99	1,143	1,138	1,139	-	-	-	-	31	-	-	-	-	-	-	-	-	11	11	258	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,062	1,055	813	0.412	0.406	0.374	0.365	28	431	394	296
3	25	4	97	1,114	1,104	1,100	-	-	-	-	31	-	-	-	-	-	-	-	-	10	10	257	-	68	68	68	-	1	5	(0)	-	-	-	-	66	1,036	1,021	776	0.412	0.406	0.376	0.365	27	421	384	283
3	25	5	98	1,120	1,105	1,096	-	-	-	-	36	-	-	-	-	-	-	-	-	8	8	255	-	68	68	68	-	4	9	(1)	-	-	-	-	62	1,041	1,020	774	0.412	0.407	0.377	0.366	26	424	385	283
3	25	6	103	1,181	1,161	1,149	-	-	-	-	45	-	-	-	-	-	-	-	0	38	38	285	-	68	68	68	-	13	9	6	-	-	-	-	58	1,063	1,046	791	0.411	0.409	0.388	0.366	24	434	406	290
3	25	7	114	1,298	1,276	1,263	-	-	-	-	46	-	-	-	-	-	-	-	17	1,047	1,048	1,297	-	68	68	68	-	3	2	2	-	-	-	-	51	180	158	(103)	0.411	0.410	0.394	0.379	21	74	62	(39)
3	25	8	121	1,381	1,360	1,351	-	-	-	-	42	-	-	-	-	-	-	-	35	1,939	1,980	2,264	-	68	68	68	-	(2)	1	3	-	-	-	-	43	(623)	(688)	(983)	0.409	0.286	0.405	0.395	18	(178)	(279)	(389)
3	25	9	127	1,451	1,434	1,430	-	-	-	-	37	-	-	-	-	-	-	-	50	2,499	2,589	2,917	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	40	(1,110)	(1,219)	(1,549)	0.409	0.272	0.263	0.268	16	(303)	(320)	(416)
3	25	10	132	1,514	1,498	1,495	-	-	-	-	35	-	-	-	-	-	-	-	58	2,741	2,874	3,240	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	39	(1,281)	(1,432)	(1,800)	0.403	0.269	0.266	0.087	16	(344)	(381)	(157)
3	25	11	137	1,569	1,553	1,550	-	-	-	-	33	-	-	-	-	-	-	-	63	2,819	2,978	3,368	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	41	(1,304)	(1,481)	(1,873)	0.397	0.270	0.269	0.000	16	(352)	(398)	-
3	25	12	140	1,606	1,592	1,589	-	-	-	-	31	-	-	-	-	-	-	-	65	2,861	3,036	3,440	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	44	(1,307)	(1,497)	(1,904)	0.398	0.270	0.270	0.000	17	(352)	(404)	-
3	25	13	141	1,624	1,613	1,612	-	-	-	-	30	-	-	-	-	-	-	-	65	2,858	3,030	3,431	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	46	(1,285)	(1,469)	(1,870)	0.399	0.270	0.270	0.000	18	(347)	(396)	-
3	25	14	143	1,646	1,638	1,641	-	-	-	-	33	-	-	-	-	-	-	-	64	2,851	3,016	3,410	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	46	(1,256)	(1,430)	(1,826)	0.398	0.270	0.270	0.000	18	(339)	(386)	-
3	25	15	144	1,660	1,655	1,660	-	-	-	-	35	-	-	-	-	-	-	-	58	2,685	2,828	3,202	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	51	(1,082)	(1,232)	(1,603)	0.401	0.270	0.270	0.000	20	(292)	(332)	-
3	25	16	144	1,675	1,677	1,689	-	-	-	-	36	-	-	-	-	-	-	-	42	1,895	2,004	2,349	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	66	(285)	(392)	(727)	0.409	0.261	0.263	0.185	27	(74)	(103)	(135)
3	25	17	144	1,686	1,697	1,716	-	-	-	-	41	-	-	-	-	-	-	-	25	1,250	1,310	1,610	-	68	68	68	-	(0)	1	1	-	-	-	-	78	369	319	38	0.408	0.283	0.381	0.384	32	104	121	15
3	25	18	144	1,682	1,699	1,724	-	-	-	-	47	-	-	-	-	-	-	-	7	480	489	745	-	68	68	68	-	(1)	(0)	4	-	-	-	-	89	1,135	1,143	907	0.406	0.412	0.392	0.385	36	467	448	349
3	25	19	143	1,682	1,703	1,731	-	-	-	-	49	-	-	-	-	-	-	-	0	82	82	329	-	68	68	68	-	5	(0)	9	-	-	-	-	94	1,528	1,554	1,325	0.418	0.420	0.400	0.389	39	642	622	515
3	25	20	150	1,759	1,783	1,813	-	-	-	-	50	-	-	-	-	-	-	-	-	70	70	317	-	68	68	68	-	13	1	6	-	-	-	-	99	1,608	1,644	1,422	0.417	0.422	0.401	0.389	41	679	659	554
3	25	21	149	1,753	1,778	1,809	-	-	-	-	50	-	-	-	-	-	-	-	-	59	59	306	-	68	68	68	-	8	4	11	-	-	-	-	99	1,619	1,647	1,424	0.407	0.412	0.397	0.387	40	667	654	551
3	25	22	142	1,674	1,700	1,730	-	-	-	-	49	-	-	-	-	-	-	-	-	53	53	300	-	68	68	68	-	4	2	5	-	-	-	-	94	1,549	1,577	1,358	0.409	0.407	0.394	0.381	38	630	622	517
3	25	23	131	1,546	1,571	1,600	-	-	-	-	43	-	-	-	-	-	-	-	-	46	46	293	-	68	68	68	-	4	4	5	-	-	-	-	89	1,428	1,452	1,234	0.414	0.406	0.389	0.370	37	579	566	457
3	25	24	133	1,564	1,585	1,611	-	-	-	-	38	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	4	2	1	-	-	-	-	95	1,447	1,471	1,250	0.413	0.407	0.383	0.364	39	589	564	456
3	26	1	109	1,278	1,287	1,300	-	-	-	-	31	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	6	8	1	-	-	-	-	78	1,159	1,166	940	0.413	0.404	0.377	0.364	32	469	440	342
3	26	2	102	1,191	1,192	1,199	-	-	-	-	30	-	-	-	-	-	-	-	-	46	46	293	-	68	68	68	-	0	5	(1)	-	-	-	-	73	1,077	1,074	839	0.412	0.406	0.373	0.364	30	437	400	305
3	26	3	98	1,132	1,127	1,127	-	-	-	-	31	-	-	-	-	-	-	-	-	45	45	292	-	68	68	68	-	2	4	(0)	-	-	-	-	67	1,018	1,011	768	0.412	0.406	0.374	0.365	28	413	377	280
3	26	4	95	1,093	1,082	1,078	-	-	-	-	31	-	-	-	-	-	-	-	-	41	41	288	-	68	68	68	-	1	5	(0)	-	-	-	-	64	983	968	722	0.412	0.406	0.376	0.365	26	399	364	263
3	26	5	95	1,086	1,069	1,060	-	-	-	-	36	-	-	-	-	-	-	-	-	41	41	288	-	68	68	68	-	4	9	(1)	-	-	-	-	59	974	952	705	0.412	0.407	0.377	0.366	24	396	359	258
3	26	6	97	1,103	1,081	1,067	-	-	-	-	45	-	-	-	-	-	-	-	0	57	57	304	-	68	68	68	-	13	9	6	-	-	-	-	51	965	947	690	0.411	0.409	0.388	0.366	21	394	368	253
3	26	7	101	1,153	1,127	1,111	-	-	-	-	46	-	-	-	-	-	-	-	12	805	807	1,055	-	68	68	68	-	3	2	2	-	-	-	-	42	276	251	(14)	0.411	0.410	0.394	0.379	17	113	99	(5)
3	26	8	105	1,192	1,168	1,154	-	-	-	-	42	-	-	-	-	-	-	-	30	1,682	1,713	1,988	-	68	68	68	-	(2)	1	3	-	-	-	-	33	(555)	(615)	(905)	0.409	0.286	0.405	0.395	13	(159)	(249)	(358)
3	26	9	112	1,272	1,251	1,243	-	-	-	-	37	-	-	-	-	-	-	-	43	2,179	2,253	2,567	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	32	(970)	(1,066)	(1,386)	0.409	0.272	0.263	0.268	13	(264)	(280)	(372)
3	26	10	119	1,355	1,335	1,328	-	-	-	-	35	-	-	-	-	-	-	-	51	2,483	2,589	2,931	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	33	(1,182)	(1,310)	(1,658)	0.403	0.269	0.266	0.087	13	(318)	(348)	(145)
3	26	11	124	1,414	1,395	1,387	-	-	-	-	33	-	-	-	-	-	-	-	57	2,728	2,854	3,213	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	34	(1,368)	(1,514)	(1,881)	0.397	0.270	0.269	0.000	13	(369)	(407)	-
3	26	12	127	1,450	1,432	1,425	-	-	-	-	31	-	-	-	-	-	-	-	58	2,741	2,879	3,250	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	38	(1,343)	(1,499)	(1,877)	0.398	0.270	0.270	0.000	15	(362)	(404)	-
3	26	13	128	1,474	1,459	1,455	-	-	-	-	30	-	-	-	-	-	-	-	59	2,825	2,962	3,332	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	39	(1,402)	(1,555)	(1,927)	0.399	0.270	0.270	0.000	16	(378)	(419)	-
3	26	14	129	1,483	1,471	1,469	-	-	-	-	33	-	-	-	-	-	-	-	54	2,593	2,716	3,073	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	42	(1,162)	(1,297)	(1,661)	0.398	0.270	0.270	0.000	17	(313)	(350)	-
3	26	15	129	1,492	1,483	1,484	-	-	-	-	35	-	-	-	-	-	-	-	46	2,303	2,402	2,739	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	48	(867)	(978)	(1,316)	0.401	0.270	0.270	0.000	19	(234)	(264)	-
3	26	16	130	1,510	1,509	1,516	-	-	-	-	36	-	-	-	-	-	-	-	31	1,568	1,641	1,954	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	63	(122)	(198)	(504)	0.409	0.261	0.263	0.185	26	(32)	(52)	(93)
3	26	17	131	1,522	1,530	1,545	-	-	-	-	41	-	-	-	-	-	-	-	23	1,258	1,305	1,593	-	68	68	68	-	(0)	1	1	-	-	-	-	66	197	157	(116)	0.408	0.283	0.381	0.384	27	56	60	(45)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	26	18	131	1,536	1,551	1,571	-	-	-	-	47	-	-	-	-	-	-	-	7	498	506	759	-	68	68	68	-	(1)	(0)	4	-	-	-	-	77	972	977	740	0.406	0.412	0.392	0.385	31	400	383	285
3	26	19	134	1,572	1,591	1,616	-	-	-	-	49	-	-	-	-	-	-	-	0	80	80	327	-	68	68	68	-	5	(0)	9	-	-	-	-	85	1,419	1,443	1,212	0.418	0.420	0.400	0.389	35	597	578	471
3	26	20	143	1,674	1,697	1,725	-	-	-	-	50	-	-	-	-	-	-	-	-	91	91	338	-	68	68	68	-	13	1	6	-	-	-	-	92	1,502	1,536	1,312	0.417	0.422	0.401	0.389	38	634	616	511
3	26	21	144	1,690	1,713	1,742	-	-	-	-	50	-	-	-	-	-	-	-	-	105	105	352	-	68	68	68	-	8	4	11	-	-	-	-	93	1,509	1,536	1,312	0.407	0.412	0.397	0.387	38	622	610	507
3	26	22	138	1,625	1,650	1,679	-	-	-	-	49	-	-	-	-	-	-	-	-	102	102	349	-	68	68	68	-	4	2	5	-	-	-	-	89	1,452	1,479	1,258	0.409	0.407	0.394	0.381	37	590	583	479
3	26	23	129	1,517	1,540	1,568	-	-	-	-	43	-	-	-	-	-	-	-	-	95	95	342	-	68	68	68	-	4	4	5	-	-	-	-	86	1,350	1,374	1,155	0.414	0.406	0.389	0.370	36	548	535	427
3	26	24	125	1,470	1,489	1,512	-	-	-	-	38	-	-	-	-	-	-	-	-	98	98	345	-	68	68	68	-	4	2	1	-	-	-	-	87	1,300	1,321	1,098	0.413	0.407	0.383	0.364	36	529	506	400
3	27	1	108	1,265	1,273	1,286	-	-	-	-	31	-	-	-	-	-	-	-	-	103	103	350	-	68	68	68	-	6	8	1	-	-	-	-	77	1,088	1,095	868	0.413	0.404	0.377	0.364	32	440	413	316
3	27	2	101	1,174	1,175	1,181	-	-	-	-	30	-	-	-	-	-	-	-	-	112	112	359	-	68	68	68	-	0	5	(1)	-	-	-	-	71	994	991	756	0.412	0.406	0.373	0.364	29	404	369	275
3	27	3	97	1,118	1,112	1,112	-	-	-	-	31	-	-	-	-	-	-	-	-	105	105	352	-	68	68	68	-	2	4	(0)	-	-	-	-	66	944	936	693	0.412	0.406	0.374	0.365	27	383	350	253
3	27	4	94	1,080	1,069	1,064	-	-	-	-	31	-	-	-	-	-	-	-	-	104	104	351	-	68	68	68	-	1	5	(0)	-	-	-	-	63	907	892	646	0.412	0.406	0.376	0.365	26	369	335	235
3	27	5	93	1,062	1,045	1,035	-	-	-	-	36	-	-	-	-	-	-	-	-	86	86	333	-	68	68	68	-	4	9	(1)	-	-	-	-	57	904	882	635	0.412	0.407	0.377	0.366	24	368	333	232
3	27	6	94	1,064	1,042	1,027	-	-	-	-	45	-	-	-	-	-	-	-	0	98	98	345	-	68	68	68	-	13	9	6	-	-	-	-	48	886	867	609	0.411	0.409	0.388	0.366	20	362	337	223
3	27	7	97	1,096	1,070	1,052	-	-	-	-	46	-	-	-	-	-	-	-	13	899	901	1,149	-	68	68	68	-	3	2	2	-	-	-	-	37	126	100	(167)	0.411	0.410	0.394	0.379	15	52	39	(63)
3	27	8	100	1,129	1,103	1,087	-	-	-	-	42	-	-	-	-	-	-	-	32	1,832	1,872	2,155	-	68	68	68	-	(2)	1	3	-	-	-	-	25	(769)	(838)	(1,138)	0.409	0.286	0.405	0.395	10	(220)	(339)	(450)
3	27	9	105	1,197	1,174	1,164	-	-	-	-	37	-	-	-	-	-	-	-	47	2,427	2,514	2,839	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	21	(1,293)	(1,404)	(1,737)	0.409	0.272	0.263	0.268	9	(352)	(369)	(466)
3	27	10	110	1,254	1,232	1,222	-	-	-	-	35	-	-	-	-	-	-	-	51	2,471	2,592	2,947	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	24	(1,271)	(1,416)	(1,780)	0.403	0.269	0.266	0.087	10	(341)	(376)	(155)
3	27	11	113	1,293	1,271	1,261	-	-	-	-	33	-	-	-	-	-	-	-	57	2,724	2,864	3,236	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	23	(1,485)	(1,648)	(2,030)	0.397	0.270	0.269	0.000	9	(401)	(443)	-
3	27	12	116	1,324	1,303	1,292	-	-	-	-	31	-	-	-	-	-	-	-	51	2,394	2,521	2,883	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	34	(1,122)	(1,271)	(1,643)	0.398	0.270	0.270	0.000	14	(303)	(343)	-
3	27	13	117	1,345	1,327	1,320	-	-	-	-	30	-	-	-	-	-	-	-	37	1,506	1,634	1,996	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	50	(213)	(359)	(727)	0.399	0.270	0.270	0.000	20	(57)	(97)	-
3	27	14	118	1,357	1,343	1,338	-	-	-	-	33	-	-	-	-	-	-	-	41	1,810	1,930	2,285	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	44	(504)	(640)	(1,005)	0.398	0.270	0.270	0.000	18	(136)	(173)	-
3	27	15	119	1,363	1,351	1,348	-	-	-	-	35	-	-	-	-	-	-	-	47	2,210	2,327	2,679	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	37	(904)	(1,035)	(1,392)	0.401	0.270	0.270	0.000	15	(244)	(279)	-
3	27	16	119	1,370	1,366	1,369	-	-	-	-	36	-	-	-	-	-	-	-	46	2,309	2,407	2,743	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	36	(1,003)	(1,107)	(1,440)	0.409	0.261	0.263	0.185	15	(262)	(291)	(267)
3	27	17	119	1,380	1,384	1,395	-	-	-	-	41	-	-	-	-	-	-	-	34	1,735	1,801	2,106	-	68	68	68	-	(0)	1	1	-	-	-	-	44	(422)	(485)	(779)	0.408	0.283	0.381	0.384	18	(119)	(184)	(299)
3	27	18	120	1,400	1,411	1,428	-	-	-	-	47	-	-	-	-	-	-	-	11	680	691	947	-	68	68	68	-	(1)	(0)	4	-	-	-	-	62	653	653	410	0.406	0.412	0.392	0.385	25	269	256	158
3	27	19	124	1,452	1,468	1,490	-	-	-	-	49	-	-	-	-	-	-	-	0	73	73	320	-	68	68	68	-	5	(0)	9	-	-	-	-	75	1,307	1,328	1,094	0.418	0.420	0.400	0.389	31	550	532	425
3	27	20	135	1,589	1,610	1,636	-	-	-	-	50	-	-	-	-	-	-	-	-	67	67	314	-	68	68	68	-	13	1	6	-	-	-	-	85	1,442	1,474	1,248	0.417	0.422	0.401	0.389	35	609	591	486
3	27	21	138	1,618	1,640	1,667	-	-	-	-	50	-	-	-	-	-	-	-	-	44	44	291	-	68	68	68	-	8	4	11	-	-	-	-	87	1,499	1,524	1,298	0.407	0.412	0.397	0.387	36	618	606	502
3	27	22	133	1,559	1,582	1,610	-	-	-	-	49	-	-	-	-	-	-	-	-	59	59	306	-	68	68	68	-	4	2	5	-	-	-	-	84	1,429	1,454	1,232	0.409	0.407	0.394	0.381	34	581	574	469
3	27	23	127	1,494	1,517	1,545	-	-	-	-	43	-	-	-	-	-	-	-	-	85	85	332	-	68	68	68	-	4	4	5	-	-	-	-	84	1,337	1,360	1,140	0.414	0.406	0.389	0.370	35	542	529	422
3	27	24	116	1,361	1,377	1,398	-	-	-	-	38	-	-	-	-	-	-	-	-	84	84	331	-	68	68	68	-	4	2	1	-	-	-	-	78	1,205	1,224	998	0.413	0.407	0.383	0.364	32	491	469	364
3	28	1	107	1,254	1,262	1,275	-	-	-	-	31	-	-	-	-	-	-	-	-	64	64	311	-	68	68	68	-	6	8	1	-	-	-	-	76	1,117	1,123	896	0.413	0.404	0.377	0.364	31	451	423	326
3	28	2	102	1,181	1,183	1,189	-	-	-	-	30	-	-	-	-	-	-	-	-	47	47	294	-	68	68	68	-	0	5	(1)	-	-	-	-	72	1,066	1,063	828	0.412	0.406	0.373	0.364	30	433	396	301
3	28	3	99	1,140	1,136	1,136	-	-	-	-	31	-	-	-	-	-	-	-	-	44	44	291	-	68	68	68	-	2	4	(0)	-	-	-	-	68	1,028	1,021	779	0.412	0.406	0.374	0.365	28	417	381	284
3	28	4	97	1,122	1,112	1,108	-	-	-	-	31	-	-	-	-	-	-	-	-	33	33	280	-	68	68	68	-	1	5	(0)	-	-	-	-	67	1,020	1,006	760	0.412	0.406	0.376	0.365	27	414	378	277
3	28	5	99	1,139	1,123	1,115	-	-	-	-	36	-	-	-	-	-	-	-	-	31	31	278	-	68	68	68	-	4	9	(1)	-	-	-	-	64	1,036	1,016	770	0.412	0.407	0.377	0.366	26	422	383	282
3	28	6	106	1,211	1,193	1,182	-	-	-	-	45	-	-	-	-	-	-	-	1	84	84	331	-	68	68	68	-	13	9	6	-	-	-	-	60	1,047	1,032	777	0.411	0.409	0.388	0.366	25	428	401	285
3	28	7	117	1,339	1,318	1,307	-	-	-	-	46	-	-	-	-	-	-	-	19	1,199	1,201	1,449	-	68	68	68	-	3	2	2	-	-	-	-	52	69	48	(212)	0.411	0.410	0.394	0.379	21	29	19	(80)
3	28	8	126	1,445	1,426	1,419	-	-	-	-	42	-	-	-	-	-	-	-	37	1,986	2,032	2,320	-	68	68	68	-	(2)	1	3	-	-	-	-	47	(607)	(675)	(972)	0.409	0.286	0.405	0.395	19	(173)	(273)	(384)
3	28	9	132	1,515	1,500	1,498	-	-	-	-	37	-	-	-	-	-	-	-	45	2,065	2,171	2,512	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	50	(613)	(734)	(1,076)	0.409	0.272	0.263	0.268	20	(167)	(193)	(289)
3	28	10	137	1,576	1,561	1,560	-	-	-	-	35	-	-	-	-	-	-	-	60	2,732	2,881	3,262	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	42	(1,210)	(1,376)	(1,757)	0.403	0.269	0.266	0.087	17	(325)	(366)	(153)
3	28	11	141	1,624	1,610	1,608	-	-	-	-	33	-	-	-	-	-	-	-	66	2,893	3,073	3,482	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,323)	(1,519)	(1,929)	0.397	0.270	0.269	0.000	17	(357)	(408)	-
3	28	12	143	1,640	1,627	1,624	-	-	-	-	31	-	-	-	-	-	-	-	66	2,814	3,002	3,418	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	46	(1,225)	(1,428)	(1,846)	0.398	0.270	0.270	0.000	18	(331)	(385)	-
3	28	13	142	1,637	1,627	1,627	-	-	-	-	30	-	-	-	-	-	-	-	68	2,899	3,096	3,520	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	44	(1,313)	(1,522)	(1,944)	0.399	0.270	0.270	0.000	17	(354)	(410)	-
3	28	14	142	1,635	1,626	1,629	-	-	-	-	33	-	-	-	-	-	-	-	68	2,935	3,125	3,543	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	41	(1,351)	(1,551)	(1,971)	0.398	0.270	0.270	0.000	16	(365)	(418)	-
3	28	15	140	1,622	1,616	1,621	-	-	-	-	35	-	-	-	-	-	-	-	61	2,730	2,896	3,292	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	44	(1,164)	(1,338)	(1,732)	0.401	0.270	0.270	0.000	18	(314)	(361)	-
3	28	16	139	1,616	1,618	1,628	-	-	-	-	36	-	-	-	-	-	-	-	49	2,238	2,368	2,732	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	54	(686)	(816)	(1,171)	0.409	0.261	0.263	0.185	22	(180)	(215)	(217)
3	28	17	139	1,616	1,625	1,643	-	-	-	-	41	-	-	-	-	-	-	-	36	1,742	1,822	2,141	-	68	68	68	-	(0)	1	1	-	-	-	-	62	(193)	(265)	(567)	0.408	0.283	0.381	0.384	25	(55)	(101)	(218)
3	28	18	138	1,618	1,634	1,657	-	-	-	-	47	-	-	-	-	-	-	-	12	703	718	978	-	68	68	68	-	(1)	(0)	4	-	-	-	-	79	847	848	607	0.406	0.412	0.392	0.385	32	349	333	233
3	28	19	143	1,678	1,700	1,728	-	-	-	-	49	-	-	-	-	-	-	-	0	69	69	316	-	68	68	68	-	5	(0)	9	-	-	-	-	94	1,537	1,564	1,335	0.418	0.420	0.400	0.389	39	647	626	519
3	28	20	154	1,809	1,835	1,867	-	-	-	-	50	-	-	-	-	-	-	-	-	51	51	298	-	68	68	68	-	13	1	6	-	-	-	-	104	1,678	1,715	1,495	0.417	0.422	0.401	0.389	43	708	688	582
3	28	21	155	1,822	1,849	1,882	-	-	-	-	50	-	-	-	-	-	-	-	-	36	36	283	-	68	68	68	-	8	4	11	-	-	-	-	104	1,711	1,742	1,521	0.407	0.412	0.397	0.387	43	706	692	588
3	28	22	147	1,736	1,763	1,796	-	-	-	-	49	-	-	-	-	-	-	-	-	39	39	286	-	68	68	68	-	4	2	5	-	-	-	-	99	1,625	1,655	1,438	0.409	0.407	0.394	0.381	40	661	653	547
3	28	23	135	1,592	1,617	1,648	-	-	-	-	43	-	-	-	-	-	-	-	-	44	44	291	-	68	68	68	-	4	4	5	-	-	-	-	92	1,476	1,501	1,284	0.414	0.406	0.389	0.370	38	599	585	475
3	28	24	134	1,573	1,594	1,620	-	-	-	-	38	-	-	-	-	-	-	-	-	42	42	289	-	68	68	68	-	4	2	1	-	-	-	-	96	1,459	1,483	1,263	0.413	0.407	0.383	0.364	39	594	568	460
3	29	1	113	1,319	1,328	1,343	-	-	-	-	31	-	-	-	-	-	-	-	-	49	49	296	-	68	68	68	-	6	8	1	-	-	-	-	81	1,196	1,204	979	0.413	0.404	0.377	0.364	34	484	454	356
3	29	2	107	1,243	1,246	1,254	-	-	-	-	30	-	-	-	-	-	-	-	-	57	57	304	-	68	68	68	-	0	5	(1)	-	-	-	-	77	1,119	1,117	883	0.412	0.406	0.373	0.364	32	454	416	322
3	29	3	103	1,198	1,194	1,197	-	-	-	-	31	-	-	-	-	-	-	-	-	54	54	301	-	68	68	68	-	2	4	(0)	-	-	-	-	73	1,075	1,070	829	0.412	0.406	0.374	0.365	30	437	400	302
3	29	4	103	1,184	1,175	1,173	-	-	-	-	31	-	-	-	-	-	-	-	-	48	48	295	-	68	68	68	-	1	5	(0)	-	-	-	-	72	1,068	1,054	811	0.412	0.406	0.376	0.365	30	434	396	296
3	29	5	104	1,198	1,185	1,178	-	-	-	-	36	-	-	-	-	-	-	-	-	52	52	299	-	68	68	68	-	4	9	(1)	-	-	-	-	69	1,075	1,056	813	0.412	0.407	0.377	0.366	28	438	399	298
3	29	6	112	1,283	1,266	1,257	-	-	-	-	45	-	-	-	-	-	-	-	1	115	115	362	-	68	68	68	-	13	9	6	-	-	-	-	66	1,088	1,074	822	0.411	0.409	0.388	0.366	27	444	417	301
3	29	7	125	1,427	1,409	1,400	-	-	-	-	46	-	-	-	-	-	-	-	19	1,208	1,210	1,459	-	68	68	68	-	3	2	2	-	-	-	-	60	148	129	(129)	0.411	0.410	0.394	0.379	24	61	51	(49)
3	29	8	132	1,517	1,500	1,495	-	-	-	-	42	-	-	-	-	-	-	-	39	2,117	2,169	2,462	-	68	68	68	-	(2)	1	3	-	-	-	-	51	(665)	(737)	(1,037)	0.409	0.286	0.405	0.395	21	(190)	(298)	(410)
3	29	9	136	1,561	1,547	1,547	-	-	-	-	37	-	-	-	-	-	-	-	54	2,684	2,795	3,141	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	44	(1,185)	(1,311)	(1,657)	0.409	0.272	0.263	0.268	18	(323)	(344)	(445)
3	29	10	139	1,597	1,583	1,582	-	-	-	-	35	-	-	-	-	-	-	-	62	2,856	3,011	3,397	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	42	(1,312)	(1,484)	(1,870)	0.403	0.269	0.266	0.087	17	(353)	(394)	(163)
3	29	11	141	1,623	1,609	1,607	-	-	-	-	33	-	-	-	-	-	-	-	66	2,929	3,109	3,516	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	42	(1,361)	(1,555)	(1,964)	0.397	0.270	0.269	0.000	17	(367)	(418)	-
3	29	12	142	1,638	1,624	1,622	-	-	-	-	31	-	-	-	-	-	-	-	68	2,969	3,163	3,585	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	43	(1,383)	(1,591)	(2,015)	0.398	0.270	0.270	0.000	17	(373)	(429)	-
3	29	13	143	1,646	1,636	1,636	-	-	-	-	30	-	-	-	-	-	-	-	69	2,966	3,163	3,587	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	44	(1,371)	(1,580)	(2,002)	0.399	0.270	0.270	0.000	17	(370)	(426)	-
3	29	14	143	1,650	1,642	1,645	-	-	-	-	33	-	-	-	-	-	-	-	67	2,916	3,100	3,511	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	43	(1,317)	(1,510)	(1,923)	0.398	0.270	0.270	0.000	17	(355)	(407)	-
3	29	15	143	1,650	1,645	1,650	-	-	-	-	35	-	-	-	-	-	-	-	56	2,417	2,577	2,968	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	52	(824)	(992)	(1,379)	0.401	0.270	0.270	0.000	21	(222)	(268)	-
3	29	16	142	1,646	1,648	1,659	-	-	-	-	36	-	-	-	-	-	-	-	53	2,429	2,560	2,924	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	53	(848)	(977)	(1,331)	0.409	0.261	0.263	0.185	22	(222)	(257)	(247)
3	29	17	141	1,639	1,650	1,668	-	-	-	-	41	-	-	-	-	-	-	-	39	1,917	1,995	2,313	-	68	68	68	-	(0)	1	1	-	-	-	-	61	(344)	(414)	(713)	0.408	0.283	0.381	0.384	25	(97)	(157)	(274)
3	29	18	141	1,649	1,665	1,689	-	-	-	-	47	-	-	-	-	-	-	-	15	885	899	1,158	-	68	68	68	-	(1)	(0)	4	-	-	-	-	79	696	699	459	0.406	0.412	0.392	0.385	32	287	274	177
3	29	19	145	1,696	1,718	1,746	-	-	-	-	49	-	-	-	-	-	-	-	0	43	43	290	-	68	68	68	-	5	(0)	9	-	-	-	-	95	1,581	1,608	1,379	0.418	0.420	0.400	0.389	40	665	643	536
3	29	20	155	1,824	1,849	1,882	-	-	-	-	50	-	-	-	-	-	-	-	-	35	35	282	-	68	68	68	-	13	1	6	-	-	-	-	105	1,708	1,745	1,525	0.417	0.422	0.401	0.389	44	720	700	594
3	29	21	157	1,850	1,877	1,911	-	-	-	-	50	-	-	-	-	-	-	-	-	22	22	269	-	68	68	68	-	8	4	11	-	-	-	-	107	1,753	1,784	1,563	0.407	0.412	0.397	0.387	43	723	709	604
3	29	22	150	1,765	1,793	1,826	-	-	-	-	49	-	-	-	-	-	-	-	-	14	14	261	-	68	68	68	-	4	2	5	-	-	-	-	101	1,679	1,710	1,493	0.409	0.407	0.394	0.381	41	683	674	568
3	29	23	138	1,622	1,648	1,679	-	-	-	-	43	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	4	4	5	-	-	-	-	95	1,532	1,558	1,341	0.414	0.406	0.389	0.370	39	621	606	496
3	29	24	137	1,607	1,629	1,657	-	-	-	-	38	-	-	-	-	-	-	-	-	12	12	259	-	68	68	68	-	4	2	1	-	-	-	-	99	1,523	1,548	1,328	0.413	0.407	0.383	0.364	41	620	593	484
3	30	1	115	1,350	1,360	1,375	-	-	-	-	31	-	-	-	-	-	-	-	-	6	6	253	-	68	68	68	-	6	8	1	-	-	-	-	84	1,270	1,279	1,054	0.413	0.404	0.377	0.364	35	513	482	384
3	30	2	109	1,271	1,274	1,283	-	-	-	-	30	-	-	-	-	-	-	-	-	4	4	251	-	68	68	68	-	0	5	(1)	-	-	-	-	79	1,199	1,198	965	0.412	0.406	0.373	0.364	33	487	447	351
3	30	3	106	1,223	1,220	1,223	-	-	-	-	31	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	2	4	(0)	-	-	-	-	75	1,151	1,146	906	0.412	0.406	0.374	0.365	31	467	428	330
3	30	4	104	1,205	1,197	1,196	-	-	-	-	31	-	-	-	-	-	-	-	-	3	3	250	-	68	68	68	-	1	5	(0)	-	-	-	-	74	1,133	1,121	878	0.412	0.406	0.376	0.365	30	460	421	320
3	30	5	107	1,225	1,211	1,205	-	-	-	-	36	-	-	-	-	-	-	-	-	2	2	249	-	68	68	68	-	4	9	(1)	-	-	-	-	71	1,151	1,133	890	0.412	0.407	0.377	0.366	29	469	427	326
3	30	6	114	1,304	1,288	1,279	-	-	-	-	45	-	-	-	-	-	-	-	1	74	74	321	-	68	68	68	-	13	9	6	-	-	-	-	67	1,150	1,137	885	0.411	0.409	0.388	0.366	28	470	442	324
3	30	7	127	1,451	1,433	1,425	-	-	-	-	46	-	-	-	-	-	-	-	19	1,183	1,186	1,435	-	68	68	68	-	3	2	2	-	-	-	-	61	197	178	(80)	0.411	0.410	0.394	0.379	25	81	70	(30)
3	30	8	134	1,544	1,527	1,523	-	-	-	-	42	-	-	-	-	-	-	-	38	2,045	2,095	2,387	-	68	68	68	-	(2)	1	3	-	-	-	-	54	(567)	(637)	(935)	0.409	0.286	0.405	0.395	22	(162)	(258)	(370)
3	30	9	138	1,584	1,570	1,570	-	-	-	-	37	-	-	-	-	-	-	-	53	2,583	2,691	3,035	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	47	(1,062)	(1,184)	(1,527)	0.409	0.272	0.263	0.268	19	(289)	(311)	(410)
3	30	10	140	1,613	1,599	1,599	-	-	-	-	35	-	-	-	-	-	-	-	62	2,780	2,932	3,316	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	44	(1,221)	(1,389)	(1,772)	0.403	0.269	0.266	0.087	18	(328)	(369)	(155)
3	30	11	143	1,643	1,630	1,628	-	-	-	-	33	-	-	-	-	-	-	-	66	2,858	3,037	3,444	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	44	(1,270)	(1,463)	(1,871)	0.397	0.270	0.269	0.000	17	(342)	(393)	-
3	30	12	144	1,657	1,644	1,642	-	-	-	-	31	-	-	-	-	-	-	-	68	2,891	3,081	3,498	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	46	(1,286)	(1,490)	(1,908)	0.398	0.270	0.270	0.000	18	(347)	(402)	-
3	30	13	144	1,664	1,654	1,655	-	-	-	-	30	-	-	-	-	-	-	-	68	2,899	3,091	3,510	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	46	(1,287)	(1,489)	(1,906)	0.399	0.270	0.270	0.000	18	(347)	(402)	-
3	30	14	144	1,657	1,650	1,653	-	-	-	-	33	-	-	-	-	-	-	-	67	2,876	3,060	3,472	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	44	(1,270)	(1,463)	(1,876)	0.398	0.270	0.270	0.000	17	(342)	(395)	-
3	30	15	143	1,652	1,647	1,652	-	-	-	-	35	-	-	-	-	-	-	-	64	2,817	2,981	3,376	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	44	(1,222)	(1,393)	(1,785)	0.401	0.270	0.270	0.000	18	(329)	(376)	-
3	30	16	142	1,647	1,650	1,661	-	-	-	-	36	-	-	-	-	-	-	-	55	2,521	2,650	3,012	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	51	(938)	(1,065)	(1,418)	0.409	0.261	0.263	0.185	21	(245)	(280)	(263)
3	30	17	140	1,637	1,647	1,665	-	-	-	-	41	-	-	-	-	-	-	-	38	1,837	1,913	2,227	-	68	68	68	-	(0)	1	1	-	-	-	-	62	(267)	(334)	(630)	0.408	0.283	0.381	0.384	25	(76)	(127)	(242)
3	30	18	139	1,632	1,648	1,672	-	-	-	-	47	-	-	-	-	-	-	-	14	835	848	1,107	-	68	68	68	-	(1)	(0)	4	-	-	-	-	78	730	732	493	0.406	0.412	0.392	0.385	32	300	287	190
3	30	19	143	1,673	1,695	1,722	-	-	-	-	49	-	-	-	-	-	-	-	0	27	27	274	-	68	68	68	-	5	(0)	9	-	-	-	-	93	1,574	1,600	1,371	0.418	0.420	0.400	0.389	39	662	641	533
3	30	20	154	1,809	1,835	1,866	-	-	-	-	50	-	-	-	-	-	-	-	-	26	26	273	-	68	68	68	-	13	1	6	-	-	-	-	104	1,702	1,739	1,519	0.417	0.422	0.401	0.389	43	718	697	591
3	30	21	156	1,839	1,866	1,899	-	-	-	-	50	-	-	-	-	-	-	-	-	28	28	275	-	68	68	68	-	8	4	11	-	-	-	-	106	1,736	1,766	1,546	0.407	0.412	0.397	0.387	43	716	702	598
3	30	22	150	1,761	1,789	1,822	-	-	-	-	49	-	-	-	-	-	-	-	-	28	28	275	-	68	68	68	-	4	2	5	-	-	-	-	101	1,661	1,692	1,475	0.409	0.407	0.394	0.381	41	676	667	562
3	30	23	138	1,621	1,647	1,678	-	-	-	-	43	-	-	-	-	-	-	-	-	21	21	268	-	68	68	68	-	4	4	5	-	-	-	-	95	1,528	1,554	1,337	0.414	0.406	0.389	0.370	39	620	605	495
3	30	24	138	1,622	1,644	1,672	-	-	-	-	38	-	-	-	-	-	-	-	-	18	18	265	-	68	68	68	-	4	2	1	-	-	-	-	100	1,532	1,557	1,338	0.413	0.407	0.383	0.364	41	623	597	487
3	31	1	104	1,210	1,217	1,229	-	-	-	-	31	-	-	-	-	-	-	-	-	22	22	269	-	68	68	68	-	6	8	1	-	-	-	-	72	1,114	1,120	891	0.413	0.404	0.377	0.364	30	451	422	325
3	31	2	95	1,105	1,104	1,109	-	-	-	-	30	-	-	-	-	-	-	-	-	16	16	263	-	68	68	68	-	0	5	(1)	-	-	-	-	65	1,021	1,016	779	0.412	0.406	0.373	0.364	27	414	379	283
3	31	3	92	1,059	1,052	1,051	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	68	68	68	-	2	4	(0)	-	-	-	-	61	981	972	727	0.412	0.406	0.374	0.365	25	398	363	265
3	31	4	91	1,041	1,029	1,024	-	-	-	-	31	-	-	-	-	-	-	-	-	6	6	253	-	68	68	68	-	1	5	(0)	-	-	-	-	60	967	950	703	0.412	0.406	0.376	0.365	25	393	357	256

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
3	31	5	93	1,058	1,041	1,031	-	-	-	-	36	-	-	-	-	-	-	-	-	5	5	252	-	68	68	68	-	4	9	(1)	-	-	-	-	57	982	960	712	0.412	0.407	0.377	0.366	23	400	362	261
3	31	6	99	1,131	1,110	1,097	-	-	-	-	45	-	-	-	-	-	-	-	1	94	94	341	-	68	68	68	-	13	9	6	-	-	-	-	53	957	939	683	0.411	0.409	0.388	0.366	22	391	365	250
3	31	7	111	1,266	1,243	1,230	-	-	-	-	46	-	-	-	-	-	-	-	18	1,122	1,125	1,374	-	68	68	68	-	3	2	2	-	-	-	-	46	72	49	(214)	0.411	0.410	0.394	0.379	19	30	19	(81)
3	31	8	117	1,335	1,314	1,304	-	-	-	-	42	-	-	-	-	-	-	-	38	2,012	2,064	2,357	-	68	68	68	-	(2)	1	3	-	-	-	-	37	(742)	(818)	(1,124)	0.409	0.286	0.405	0.395	15	(212)	(331)	(444)
3	31	9	118	1,351	1,331	1,325	-	-	-	-	37	-	-	-	-	-	-	-	53	2,549	2,658	3,002	-	68	68	68	-	(5)	(4)	(6)	-	-	-	-	28	(1,261)	(1,390)	(1,738)	0.409	0.272	0.263	0.268	11	(344)	(365)	(467)
3	31	10	121	1,382	1,363	1,356	-	-	-	-	35	-	-	-	-	-	-	-	61	2,772	2,921	3,302	-	68	68	68	-	(14)	(12)	(12)	-	-	-	-	25	(1,443)	(1,614)	(2,001)	0.403	0.269	0.266	0.087	10	(388)	(429)	(175)
3	31	11	123	1,411	1,392	1,384	-	-	-	-	33	-	-	-	-	-	-	-	65	2,846	3,021	3,424	-	68	68	68	-	(13)	(12)	(13)	-	-	-	-	25	(1,489)	(1,684)	(2,094)	0.397	0.270	0.269	0.000	10	(402)	(453)	-
3	31	12	125	1,429	1,410	1,402	-	-	-	-	31	-	-	-	-	-	-	-	67	2,877	3,062	3,475	-	68	68	68	-	(16)	(15)	(15)	-	-	-	-	27	(1,501)	(1,705)	(2,125)	0.398	0.270	0.270	0.000	11	(405)	(460)	-
3	31	13	125	1,435	1,420	1,415	-	-	-	-	30	-	-	-	-	-	-	-	67	2,885	3,072	3,487	-	68	68	68	-	(16)	(15)	(16)	-	-	-	-	28	(1,501)	(1,705)	(2,124)	0.399	0.270	0.270	0.000	11	(405)	(460)	-
3	31	14	126	1,453	1,440	1,438	-	-	-	-	33	-	-	-	-	-	-	-	66	2,858	3,036	3,442	-	68	68	68	-	(16)	(15)	(11)	-	-	-	-	27	(1,456)	(1,648)	(2,062)	0.398	0.270	0.270	0.000	11	(393)	(445)	-
3	31	15	126	1,456	1,446	1,446	-	-	-	-	35	-	-	-	-	-	-	-	63	2,806	2,966	3,356	-	68	68	68	-	(11)	(8)	(7)	-	-	-	-	29	(1,407)	(1,579)	(1,971)	0.401	0.270	0.270	0.000	12	(379)	(426)	-
3	31	16	126	1,455	1,452	1,458	-	-	-	-	36	-	-	-	-	-	-	-	52	2,436	2,559	2,916	-	68	68	68	-	(3)	(2)	(1)	-	-	-	-	37	(1,046)	(1,172)	(1,524)	0.409	0.261	0.263	0.185	15	(273)	(308)	(282)
3	31	17	125	1,456	1,462	1,475	-	-	-	-	41	-	-	-	-	-	-	-	38	1,858	1,933	2,247	-	68	68	68	-	(0)	1	1	-	-	-	-	47	(469)	(539)	(840)	0.408	0.283	0.381	0.384	19	(133)	(205)	(323)
3	31	18	125	1,463	1,476	1,494	-	-	-	-	47	-	-	-	-	-	-	-	15	865	878	1,136	-	68	68	68	-	(1)	(0)	4	-	-	-	-	63	531	530	287	0.406	0.412	0.392	0.385	26	219	208	110
3	31	19	127	1,488	1,505	1,528	-	-	-	-	49	-	-	-	-	-	-	-	0	31	31	278	-	68	68	68	-	5	(0)	9	-	-	-	-	78	1,384	1,406	1,172	0.418	0.420	0.400	0.389	32	582	563	456
3	31	20	137	1,602	1,623	1,649	-	-	-	-	50	-	-	-	-	-	-	-	-	36	36	283	-	68	68	68	-	13	1	6	-	-	-	-	86	1,486	1,518	1,292	0.417	0.422	0.401	0.389	36	627	609	503
3	31	21	139	1,631	1,653	1,681	-	-	-	-	50	-	-	-	-	-	-	-	-	46	46	293	-	68	68	68	-	8	4	11	-	-	-	-	88	1,510	1,536	1,310	0.407	0.412	0.397	0.387	36	623	610	506
3	31	22	132	1,558	1,581	1,609	-	-	-	-	49	-	-	-	-	-	-	-	-	43	43	290	-	68	68	68	-	4	2	5	-	-	-	-	84	1,443	1,468	1,246	0.409	0.407	0.394	0.381	34	587	579	474
3	31	23	121	1,427	1,449	1,474	-	-	-	-	43	-	-	-	-	-	-	-	-	40	40	287	-	68	68	68	-	4	4	5	-	-	-	-	78	1,316	1,337	1,116	0.414	0.406	0.389	0.370	33	534	521	413
3	31	24	119	1,392	1,409	1,431	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	68	68	68	-	4	2	1	-	-	-	-	80	1,287	1,306	1,081	0.413	0.407	0.383	0.364	33	524	501	394
4	1	1	115	1,343	1,355	1,372	-	-	-	-	48	-	-	-	-	-	-	-	-	34	34	281	-	70	70	70	-	5	4	4	-	-	-	-	67	1,234	1,247	1,016	0.411	0.421	0.415	0.397	27	520	517	403
4	1	2	109	1,267	1,272	1,282	-	-	-	-	46	-	-	-	-	-	-	-	-	25	25	272	-	70	70	70	-	3	5	1	-	-	-	-	62	1,169	1,172	938	0.411	0.422	0.413	0.397	26	493	484	372
4	1	3	105	1,219	1,217	1,221	-	-	-	-	45	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	8	4	0	-	-	-	-	60	1,118	1,121	882	0.411	0.421	0.416	0.396	25	471	466	350
4	1	4	104	1,196	1,188	1,187	-	-	-	-	47	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	8	3	(0)	-	-	-	-	57	1,096	1,093	847	0.412	0.422	0.415	0.397	23	463	454	336
4	1	5	105	1,208	1,192	1,184	-	-	-	-	50	-	-	-	-	-	-	-	-	20	20	267	-	70	70	70	-	11	7	1	-	-	-	-	55	1,107	1,095	846	0.413	0.422	0.415	0.399	23	468	455	337
4	1	6	110	1,260	1,239	1,227	-	-	-	-	50	-	-	-	-	-	-	-	1	76	76	323	-	70	70	70	-	9	6	6	-	-	-	-	59	1,105	1,087	828	0.413	0.422	0.415	0.398	25	467	451	329
4	1	7	120	1,367	1,343	1,330	-	-	-	-	47	-	-	-	-	-	-	-	15	953	955	1,204	-	70	70	70	-	0	(1)	(0)	-	-	-	-	58	344	319	56	0.415	0.337	0.332	0.391	24	116	106	22
4	1	8	131	1,497	1,477	1,469	-	-	-	-	41	-	-	-	-	-	-	-	34	1,854	1,899	2,185	-	70	70	70	-	(5)	(5)	7	-	-	-	-	56	(421)	(487)	(793)	0.414	0.280	0.320	0.311	23	(118)	(156)	(247)
4	1	9	135	1,551	1,535	1,533	-	-	-	-	37	-	-	-	-	-	-	-	49	2,384	2,481	2,815	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	50	(897)	(1,010)	(1,339)	0.391	0.000	0.007	0.000	19	-	(7)	-
4	1	10	139	1,601	1,587	1,585	-	-	-	-	35	-	-	-	-	-	-	-	59	2,726	2,864	3,235	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	46	(1,181)	(1,339)	(1,705)	0.392	0.000	0.000	0.000	18	-	-	-
4	1	11	143	1,645	1,631	1,629	-	-	-	-	35	-	-	-	-	-	-	-	63	2,803	2,962	3,352	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	46	(1,214)	(1,388)	(1,778)	0.389	0.000	0.000	0.000	18	-	-	-
4	1	12	145	1,670	1,657	1,655	-	-	-	-	34	-	-	-	-	-	-	-	65	2,845	3,019	3,422	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	46	(1,231)	(1,417)	(1,822)	0.386	0.000	0.000	0.000	18	-	-	-
4	1	13	146	1,680	1,671	1,672	-	-	-	-	33	-	-	-	-	-	-	-	65	2,846	3,018	3,419	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	48	(1,222)	(1,402)	(1,802)	0.385	0.000	0.000	0.000	19	-	-	-
4	1	14	146	1,690	1,684	1,688	-	-	-	-	33	-	-	-	-	-	-	-	63	2,804	2,969	3,364	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	50	(1,170)	(1,341)	(1,734)	0.383	0.000	0.000	0.000	19	-	-	-
4	1	15	143	1,655	1,652	1,658	-	-	-	-	34	-	-	-	-	-	-	-	58	2,703	2,846	3,221	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,105)	(1,252)	(1,621)	0.385	0.000	0.000	0.000	20	-	-	-
4	1	16	141	1,638	1,641	1,654	-	-	-	-	36	-	-	-	-	-	-	-	50	2,399	2,510	2,856	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(825)	(937)	(1,265)	0.412	0.000	0.007	0.000	23	-	(7)	-
4	1	17	140	1,630	1,641	1,660	-	-	-	-	40	-	-	-	-	-	-	-	31	1,606	1,669	1,973	-	70	70	70	-	(1)	(0)	4	-	-	-	-	68	(45)	(98)	(387)	0.410	0.238	0.314	0.270	28	(11)	(31)	(104)
4	1	18	138	1,619	1,638	1,664	-	-	-	-	46	-	-	-	-	-	-	-	12	779	790	1,046	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	772	779	546	0.413	0.425	0.419	0.406	33	328	326	222
4	1	19	139	1,632	1,655	1,683	-	-	-	-	51	-	-	-	-	-	-	-	0	95	95	342	-	70	70	70	-	5	10	8	-	-	-	-	88	1,462	1,480	1,264	0.416	0.422	0.413	0.402	37	618	611	508
4	1	20	148	1,738	1,765	1,799	-	-	-	-	50	-	-	-	-	-	-	-	-	92	92	339	-	70	70	70	-	6	7	15	-	-	-	-	97	1,569	1,596	1,375	0.421	0.432	0.422	0.405	41	677	673	556
4	1	21	149	1,761	1,791	1,826	-	-	-	-	51	-	-	-	-	-	-	-	-	74	74	321	-	70	70	70	-	9	2	6	-	-	-	-	98	1,608	1,645	1,429	0.418	0.424	0.413	0.404	41	681	679	577
4	1	22	143	1,693	1,724	1,760	-	-	-	-	52	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	4	3	7	-	-	-	-	91	1,558	1,590	1,375	0.414	0.421	0.411	0.401	38	657	654	551
4	1	23	133	1,570	1,600	1,634	-	-	-	-	51	-	-	-	-	-	-	-	-	55	55	302	-	70	70	70	-	5	11	5	-	-	-	-	82	1,440	1,464	1,257	0.413	0.420	0.411	0.397	34	606	603	499
4	1	24	139	1,637	1,664	1,694	-	-	-	-	49	-	-	-	-	-	-	-	-	51	51	298	-	70	70	70	-	2	4	4	-	-	-	-	90	1,514	1,538	1,322	0.412	0.422	0.412	0.396	37	639	633	524
4	2	1	110	1,282	1,293	1,308	-	-	-	-	48	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	5	4	4	-	-	-	-	61	1,146	1,158	926	0.411	0.421	0.415	0.397	25	483	481	367
4	2	2	103	1,196	1,200	1,208	-	-	-	-	46	-	-	-	-	-	-	-	-	67	67	314	-	70	70	70	-	3	5	1	-	-	-	-	56	1,057	1,058	823	0.411	0.422	0.413	0.397	23	445	437	326
4	2	3	99	1,151	1,148	1,150	-	-	-	-	45	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	8	4	0	-	-	-	-	54	1,012	1,013	772	0.411	0.421	0.416	0.396	22	426	421	306
4	2	4	97	1,120	1,110	1,106	-	-	-	-	47	-	-	-	-	-	-	-	-	51	51	298	-	70	70	70	-	8	3	(0)	-	-	-	-	50	991	986	739	0.412	0.422	0.415	0.397	21	418	409	293
4	2	5	97	1,110	1,092	1,081	-	-	-	-	50	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	11	7	1	-	-	-	-	47	984	970	719	0.413	0.422	0.415	0.399	19	416	403	287
4	2	6	99	1,129	1,105	1,089	-	-	-	-	50	-	-	-	-	-	-	-	0	52	52	299	-	70	70	70	-	9	6	6	-	-	-	-	49	998	978	715	0.413	0.422	0.415	0.398	20	422	406	284
4	2	7	104	1,184	1,157	1,139	-	-	-	-	47	-	-	-	-	-	-	-	3	232	234	483	-	70	70	70	-	0	(1)	(0)	-	-	-	-	55	882	853	586	0.415	0.337	0.332	0.391	23	298	283	229
4	2	8	108	1,230	1,204	1,189	-	-	-	-	41	-	-	-	-	-	-	-	20	1,031	1,071	1,353	-	70	70	70	-	(5)	(5)	7	-	-	-	-	47	134	68	(241)	0.414	0.280	0.320	0.311	20	38	22	(75)
4	2	9	114	1,305	1,284	1,275	-	-	-	-	37	-	-	-	-	-	-	-	38	1,744	1,837	2,168	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	40	(502)	(617)	(949)	0.391	0.000	0.007	0.000	16	-	(4)	-
4	2	10	121	1,381	1,361	1,354	-	-	-	-	35	-	-	-	-	-	-	-	55	2,541	2,678	3,047	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	31	(1,217)	(1,378)	(1,749)	0.392	0.000	0.000	0.000	12	-	-	-
4	2	11	125	1,436	1,418	1,411	-	-	-	-	35	-	-	-	-	-	-	-	63	2,801	2,968	3,364	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	28	(1,421)	(1,607)	(2,009)	0.389	0.000	0.000	0.000	11	-	-	-
4	2	12	128	1,469	1,452	1,445	-	-	-	-	34	-	-	-	-	-	-	-	65	2,874	3,049	3,453	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	29	(1,461)	(1,652)	(2,063)	0.386	0.000	0.000	0.000	11	-	-	-
4	2	13	130	1,492	1,478	1,475	-	-	-	-	33	-	-	-	-	-	-	-	63	2,770	2,944	3,346	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	34	(1,334)	(1,520)	(1,926)	0.385	0.000	0.000	0.000	13	-	-	-
4	2	14	130	1,500	1,490	1,489	-	-	-	-	33	-	-	-	-	-	-	-	58	2,538	2,702	3,096	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	39	(1,094)	(1,268)	(1,664)	0.383	0.000	0.000	0.000	15	-	-	-
4	2	15	130	1,505	1,498	1,501	-	-	-	-	34	-	-	-	-	-	-	-	50	2,215	2,351	2,720	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	47	(767)	(911)	(1,278)	0.385	0.000	0.000	0.000	18	-	-	-
4	2	16	131	1,524	1,526	1,535	-	-	-	-	36	-	-	-	-	-	-	-	40	1,867	1,967	2,304	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(405)	(509)	(831)	0.412	0.000	0.007	0.000	23	-	(4)	-
4	2	17	132	1,538	1,548	1,564	-	-	-	-	40	-	-	-	-	-	-	-	21	966	1,022	1,320	-	70	70	70	-	(1)	(0)	4	-	-	-	-	71	503	456	170	0.410	0.238	0.314	0.270	29	120	143	46
4	2	18	133	1,556	1,574	1,598	-	-	-	-	46	-	-	-	-	-	-	-	7	423	434	691	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	1,065	1,070	835	0.413	0.425	0.419	0.406	33	452	448	339
4	2	19	135	1,583	1,605	1,632	-	-	-	-	51	-	-	-	-	-	-	-	0	75	75	322	-	70	70	70	-	5	10	8	-	-	-	-	84	1,434	1,450	1,233	0.416	0.422	0.413	0.402	35	606	599	496
4	2	20	143	1,683	1,709	1,741	-	-	-	-	50	-	-	-	-	-	-	-	-	75	75	322	-	70	70	70	-	6	7	15	-	-	-	-	93	1,532	1,557	1,335	0.421	0.432	0.422	0.405	39	661	657	540
4	2	21	145	1,707	1,736	1,770	-	-	-	-	51	-	-	-	-	-	-	-	-	79	79	326	-	70	70	70	-	9	2	6	-	-	-	-	93	1,549	1,585	1,368	0.418	0.424	0.413	0.404	39	656	655	552
4	2	22	139	1,640	1,670	1,704	-	-	-	-	52	-	-	-	-	-	-	-	-	73	73	320	-	70	70	70	-	4	3	7	-	-	-	-	87	1,492	1,523	1,307	0.414	0.421	0.411	0.401	36	629	626	524
4	2	23	130	1,533	1,562	1,595	-	-	-	-	51	-	-	-	-	-	-	-	-	66	66	313	-	70	70	70	-	5	11	5	-	-	-	-	79	1,391	1,415	1,207	0.413	0.420	0.411	0.397	33	585	582	479
4	2	24	127	1,492	1,514	1,542	-	-	-	-	49	-	-	-	-	-	-	-	-	69	69	316	-	70	70	70	-	2	4	4	-	-	-	-	78	1,351	1,372	1,151	0.412	0.422	0.412	0.396	32	570	565	456
4	3	1	109	1,275	1,285	1,301	-	-	-	-	48	-	-	-	-	-	-	-	-	65	65	312	-	70	70	70	-	5	4	4	-	-	-	-	61	1,135	1,146	914	0.411	0.421	0.415	0.397	25	478	476	363
4	3	2	102	1,189	1,192	1,201	-	-	-	-	46	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	3	5	1	-	-	-	-	56	1,055	1,057	821	0.411	0.422	0.413	0.397	23	445	437	326
4	3	3	98	1,130	1,127	1,129	-	-	-	-	45	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	8	4	0	-	-	-	-	52	1,000	1,001	759	0.411	0.421	0.416	0.396	22	421	416	301
4	3	4	95	1,093	1,083	1,079	-	-	-	-	47	-	-	-	-	-	-	-	-	43	43	290	-	70	70	70	-	8	3	(0)	-	-	-	-	48	973	967	719	0.412	0.422	0.415	0.397	20	411	402	285
4	3	5	94	1,074	1,055	1,044	-	-	-	-	50	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	11	7	1	-	-	-	-	44	965	950	698	0.413	0.422	0.415	0.399	18	408	394	278
4	3	6	95	1,078	1,053	1,036	-	-	-	-	50	-	-	-	-	-	-	-	1	55	55	302	-	70	70	70	-	9	6	6	-	-	-	-	44	943	922	657	0.413	0.422	0.415	0.398	18	398	382	262
4	3	7	98	1,110	1,081	1,061	-	-	-	-	47	-	-	-	-	-	-	-	16	1,020	1,023	1,273	-	70	70	70	-	0	(1)	(0)	-	-	-	-	35	20	(12)	(282)	0.415	0.337	0.332	0.391	15	7	(4)	(110)
4	3	8	101	1,138	1,110	1,092	-	-	-	-	41	-	-	-	-	-	-	-	35	1,866	1,917	2,209	-	70	70	70	-	(5)	(5)	7	-	-	-	-	24	(793)	(872)	(1,193)	0.414	0.280	0.320	0.311	10	(222)	(279)	(372)
4	3	9	106	1,203	1,180	1,169	-	-	-	-	37	-	-	-	-	-	-	-	50	2,406	2,512	2,854	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	19	(1,267)	(1,396)	(1,742)	0.391	0.000	0.007	0.000	7	-	(10)	-
4	3	10	112	1,271	1,249	1,239	-	-	-	-	35	-	-	-	-	-	-	-	60	2,719	2,866	3,244	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	17	(1,505)	(1,678)	(2,061)	0.392	0.000	0.000	0.000	7	-	-	-
4	3	11	116	1,328	1,306	1,297	-	-	-	-	35	-	-	-	-	-	-	-	65	2,837	3,008	3,408	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	17	(1,565)	(1,759)	(2,167)	0.389	0.000	0.000	0.000	7	-	-	-
4	3	12	120	1,373	1,353	1,344	-	-	-	-	34	-	-	-	-	-	-	-	66	2,868	3,050	3,460	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	20	(1,551)	(1,751)	(2,171)	0.386	0.000	0.000	0.000	8	-	-	-
4	3	13	123	1,407	1,391	1,386	-	-	-	-	33	-	-	-	-	-	-	-	66	2,820	3,001	3,411	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	24	(1,469)	(1,665)	(2,080)	0.385	0.000	0.000	0.000	9	-	-	-
4	3	14	124	1,431	1,419	1,417	-	-	-	-	33	-	-	-	-	-	-	-	64	2,781	2,955	3,358	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	27	(1,406)	(1,591)	(1,999)	0.383	0.000	0.000	0.000	10	-	-	-
4	3	15	126	1,454	1,446	1,447	-	-	-	-	34	-	-	-	-	-	-	-	60	2,664	2,820	3,207	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	32	(1,267)	(1,432)	(1,819)	0.385	0.000	0.000	0.000	12	-	-	-
4	3	16	127	1,476	1,476	1,484	-	-	-	-	36	-	-	-	-	-	-	-	51	2,355	2,477	2,834	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	40	(942)	(1,070)	(1,413)	0.412	0.000	0.007	0.000	16	-	(8)	-
4	3	17	128	1,491	1,499	1,514	-	-	-	-	40	-	-	-	-	-	-	-	36	1,753	1,826	2,139	-	70	70	70	-	(1)	(0)	4	-	-	-	-	52	(332)	(397)	(699)	0.410	0.238	0.314	0.270	21	(79)	(125)	(189)
4	3	18	130	1,518	1,535	1,558	-	-	-	-	46	-	-	-	-	-	-	-	15	858	871	1,130	-	70	70	70	-	(2)	(1)	2	-	-	-	-	69	592	594	356	0.413	0.425	0.419	0.406	28	251	249	145
4	3	19	133	1,567	1,588	1,615	-	-	-	-	51	-	-	-	-	-	-	-	0	37	37	284	-	70	70	70	-	5	10	8	-	-	-	-	83	1,455	1,471	1,253	0.416	0.422	0.413	0.402	34	614	607	504
4	3	20	143	1,685	1,712	1,744	-	-	-	-	50	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	6	7	15	-	-	-	-	93	1,570	1,595	1,373	0.421	0.432	0.422	0.405	39	678	672	556
4	3	21	145	1,715	1,743	1,777	-	-	-	-	51	-	-	-	-	-	-	-	-	32	32	279	-	70	70	70	-	9	2	6	-	-	-	-	94	1,604	1,640	1,423	0.418	0.424	0.413	0.404	39	679	677	574
4	3	22	139	1,636	1,666	1,700	-	-	-	-	52	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	4	3	7	-	-	-	-	87	1,531	1,562	1,345	0.414	0.421	0.411	0.401	36	645	642	539
4	3	23	127	1,499	1,527	1,559	-	-	-	-	51	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	5	11	5	-	-	-	-	76	1,395	1,418	1,209	0.413	0.420	0.411	0.397	31	587	583	480
4	3	24	121	1,422	1,444	1,469	-	-	-	-	49	-	-	-	-	-	-	-	-	24	24	271	-	70	70	70	-	2	4	4	-	-	-	-	72	1,326	1,345	1,123	0.412	0.422	0.412	0.396	30	559	554	445
4	4	1	105	1,227	1,236	1,250	-	-	-	-	48	-	-	-	-	-	-	-	-	17	17	264	-	70	70	70	-	5	4	4	-	-	-	-	57	1,135	1,146	912	0.411	0.421	0.415	0.397	23	479	476	362
4	4	2	99	1,153	1,156	1,163	-	-	-	-	46	-	-	-	-	-	-	-	-	13	13	260	-	70	70	70	-	3	5	1	-	-	-	-	53	1,067	1,068	831	0.411	0.422	0.413	0.397	22	450	441	330
4	4	3	96	1,107	1,102	1,104	-	-	-	-	45	-	-	-	-	-	-	-	-	11	11	258	-	70	70	70	-	8	4	0	-	-	-	-	50	1,017	1,017	775	0.411	0.421	0.416	0.396	21	429	423	307
4	4	4	95	1,089	1,078	1,074	-	-	-	-	47	-	-	-	-	-	-	-	-	9	9	256	-	70	70	70	-	8	3	(0)	-	-	-	-	48	1,002	996	748	0.412	0.422	0.415	0.397	20	423	414	297
4	4	5	97	1,109	1,091	1,080	-	-	-	-	50	-	-	-	-	-	-	-	-	7	7	254	-	70	70	70	-	11	7	1	-	-	-	-	47	1,021	1,006	755	0.413	0.422	0.415	0.399	19	431	418	301
4	4	6	104	1,186	1,164	1,150	-	-	-	-	50	-	-	-	-	-	-	-	0	13	13	260	-	70	70	70	-	9	6	6	-	-	-	-	54	1,094	1,075	813	0.413	0.422	0.415	0.398	22	462	446	324
4	4	7	117	1,333	1,308	1,294	-	-	-	-	47	-	-	-	-	-	-	-	10	587	590	839	-	70	70	70	-	0	(1)	(0)	-	-	-	-	61	675	649	386	0.415	0.337	0.332	0.391	25	228	216	151
4	4	8	125	1,428	1,407	1,397	-	-	-	-	41	-	-	-	-	-	-	-	25	1,337	1,368	1,643	-	70	70	70	-	(5)	(5)	7	-	-	-	-	59	26	(27)	(323)	0.414	0.280	0.320	0.311	25	7	(9)	(101)
4	4	9	130	1,490	1,473	1,470	-	-	-	-	37	-	-	-	-	-	-	-	39	1,874	1,951	2,266	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	55	(448)	(541)	(853)	0.391	0.000	0.007	0.000	21	-	(4)	-
4	4	10	136	1,556	1,541	1,539	-	-	-	-	35	-	-	-	-	-	-	-	47	2,165	2,276	2,623	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	54	(665)	(797)	(1,140)	0.392	0.000	0.000	0.000	21	-	-	-
4	4	11	141	1,620	1,606	1,604	-	-	-	-	35	-	-	-	-	-	-	-	54	2,459	2,590	2,954	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	52	(895)	(1,041)	(1,406)	0.389	0.000	0.000	0.000	20	-	-	-
4	4	12	145	1,671	1,659	1,657	-	-	-	-	34	-	-	-	-	-	-	-	57	2,561	2,701	3,074	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	54	(945)	(1,097)	(1,472)	0.386	0.000	0.000	0.000	21	-	-	-
4	4	13	148	1,703	1,695	1,697	-	-	-	-	33	-	-	-	-	-	-	-	52	2,305	2,439	2,806	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	63	(658)	(799)	(1,163)	0.385	0.000	0.000	0.000	24	-	-	-
4	4	14	150	1,739	1,734	1,740	-	-	-	-	33	-	-	-	-	-	-	-	37	1,609	1,707	2,042	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	80	74	(28)	(360)	0.383	0.000	0.000	0.000	31	-	-	-
4	4	15	152	1,767	1,766	1,776	-	-	-	-	34	-	-	-	-	-	-	-	26	1,178	1,245	1,553	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	92	532	463	164	0.385	0.000	0.000	0.000	36	-	-	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	4	16	154	1,787	1,795	1,811	-	-	-	-	36	-	-	-	-	-	-	-	23	1,094	1,144	1,436	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	94	630	582	312	0.412	0.000	0.007	0.000	39	-	4	-
4	4	17	153	1,788	1,803	1,827	-	-	-	-	40	-	-	-	-	-	-	-	16	772	803	1,078	-	70	70	70	-	(1)	(0)	4	-	-	-	-	97	947	930	674	0.410	0.238	0.314	0.270	40	225	292	182
4	4	18	152	1,781	1,804	1,834	-	-	-	-	46	-	-	-	-	-	-	-	6	371	378	632	-	70	70	70	-	(2)	(1)	2	-	-	-	-	99	1,341	1,357	1,131	0.413	0.425	0.419	0.406	41	570	568	459
4	4	19	152	1,783	1,809	1,842	-	-	-	-	51	-	-	-	-	-	-	-	0	36	36	283	-	70	70	70	-	5	10	8	-	-	-	-	101	1,672	1,693	1,481	0.416	0.422	0.413	0.402	42	706	699	595
4	4	20	158	1,866	1,896	1,933	-	-	-	-	50	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	6	7	15	-	-	-	-	108	1,750	1,780	1,562	0.421	0.432	0.422	0.405	45	756	750	632
4	4	21	159	1,873	1,906	1,944	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	9	2	6	-	-	-	-	107	1,745	1,785	1,572	0.418	0.424	0.413	0.404	45	739	737	634
4	4	22	150	1,766	1,799	1,837	-	-	-	-	52	-	-	-	-	-	-	-	-	60	60	307	-	70	70	70	-	4	3	7	-	-	-	-	98	1,632	1,666	1,453	0.414	0.421	0.411	0.401	40	688	685	582
4	4	23	135	1,593	1,623	1,658	-	-	-	-	51	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	5	11	5	-	-	-	-	84	1,479	1,504	1,297	0.413	0.420	0.411	0.397	35	622	619	515
4	4	24	139	1,636	1,662	1,693	-	-	-	-	49	-	-	-	-	-	-	-	-	14	14	261	-	70	70	70	-	2	4	4	-	-	-	-	90	1,550	1,575	1,358	0.412	0.422	0.412	0.396	37	654	648	538
4	5	1	110	1,288	1,299	1,314	-	-	-	-	48	-	-	-	-	-	-	-	-	2	2	249	-	70	70	70	-	5	4	4	-	-	-	-	62	1,211	1,224	991	0.411	0.421	0.415	0.397	25	511	508	393
4	5	2	103	1,205	1,208	1,217	-	-	-	-	46	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	3	5	1	-	-	-	-	57	1,132	1,134	898	0.411	0.422	0.413	0.397	24	477	469	356
4	5	3	99	1,146	1,143	1,145	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	4	0	-	-	-	-	54	1,068	1,069	828	0.411	0.421	0.416	0.396	22	450	445	328
4	5	4	97	1,114	1,104	1,100	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	3	(0)	-	-	-	-	50	1,036	1,031	783	0.412	0.422	0.415	0.397	20	437	428	311
4	5	5	98	1,124	1,107	1,096	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	11	7	1	-	-	-	-	48	1,044	1,029	779	0.413	0.422	0.415	0.399	20	441	427	310
4	5	6	105	1,198	1,176	1,162	-	-	-	-	50	-	-	-	-	-	-	-	0	0	0	247	-	70	70	70	-	9	6	6	-	-	-	-	55	1,118	1,100	839	0.413	0.422	0.415	0.398	23	473	456	334
4	5	7	117	1,339	1,315	1,300	-	-	-	-	47	-	-	-	-	-	-	-	1	77	78	326	-	70	70	70	-	0	(1)	(0)	-	-	-	-	69	1,191	1,167	904	0.415	0.337	0.332	0.391	29	402	387	354
4	5	8	125	1,432	1,410	1,401	-	-	-	-	41	-	-	-	-	-	-	-	7	302	317	578	-	70	70	70	-	(5)	(5)	7	-	-	-	-	78	1,066	1,028	746	0.414	0.280	0.320	0.311	32	299	329	232
4	5	9	130	1,495	1,478	1,475	-	-	-	-	37	-	-	-	-	-	-	-	13	511	553	838	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	81	920	861	580	0.391	0.000	0.007	0.000	32	-	6	-
4	5	10	136	1,566	1,551	1,549	-	-	-	-	35	-	-	-	-	-	-	-	22	798	877	1,195	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	80	711	612	298	0.392	0.000	0.000	0.000	31	-	-	-
4	5	11	143	1,641	1,627	1,625	-	-	-	-	35	-	-	-	-	-	-	-	36	1,557	1,660	1,999	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	72	27	(90)	(429)	0.389	0.000	0.000	0.000	28	-	-	-
4	5	12	147	1,698	1,685	1,685	-	-	-	-	34	-	-	-	-	-	-	-	50	2,206	2,335	2,697	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	64	(564)	(703)	(1,067)	0.386	0.000	0.000	0.000	25	-	-	-
4	5	13	151	1,745	1,737	1,741	-	-	-	-	33	-	-	-	-	-	-	-	57	2,520	2,664	3,041	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	62	(831)	(981)	(1,354)	0.385	0.000	0.000	0.000	24	-	-	-
4	5	14	156	1,802	1,799	1,807	-	-	-	-	33	-	-	-	-	-	-	-	50	2,230	2,358	2,720	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	72	(483)	(614)	(971)	0.383	0.000	0.000	0.000	28	-	-	-
4	5	15	160	1,861	1,863	1,875	-	-	-	-	34	-	-	-	-	-	-	-	41	1,861	1,961	2,298	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	86	(56)	(156)	(483)	0.385	0.000	0.000	0.000	33	-	-	-
4	5	16	164	1,906	1,916	1,936	-	-	-	-	36	-	-	-	-	-	-	-	34	1,595	1,670	1,984	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	94	248	178	(111)	0.412	0.000	0.007	0.000	39	-	1	-
4	5	17	165	1,933	1,951	1,978	-	-	-	-	40	-	-	-	-	-	-	-	17	753	796	1,082	-	70	70	70	-	(1)	(0)	4	-	-	-	-	109	1,111	1,085	822	0.410	0.238	0.314	0.270	45	264	341	222
4	5	18	164	1,929	1,955	1,990	-	-	-	-	46	-	-	-	-	-	-	-	5	312	320	575	-	70	70	70	-	(2)	(1)	2	-	-	-	-	113	1,549	1,566	1,343	0.413	0.425	0.419	0.406	47	658	656	545
4	5	19	162	1,902	1,931	1,967	-	-	-	-	51	-	-	-	-	-	-	-	0	50	50	297	-	70	70	70	-	5	10	8	-	-	-	-	111	1,777	1,801	1,592	0.416	0.422	0.413	0.402	46	751	744	640
4	5	20	166	1,960	1,993	2,032	-	-	-	-	50	-	-	-	-	-	-	-	-	57	57	304	-	70	70	70	-	6	7	15	-	-	-	-	116	1,827	1,859	1,644	0.421	0.432	0.422	0.405	49	789	784	665
4	5	21	166	1,958	1,993	2,033	-	-	-	-	51	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	9	2	6	-	-	-	-	115	1,831	1,873	1,662	0.418	0.424	0.413	0.404	48	776	773	671
4	5	22	155	1,836	1,870	1,910	-	-	-	-	52	-	-	-	-	-	-	-	-	37	37	284	-	70	70	70	-	4	3	7	-	-	-	-	103	1,725	1,760	1,549	0.414	0.421	0.411	0.401	43	727	724	621
4	5	23	140	1,652	1,683	1,719	-	-	-	-	51	-	-	-	-	-	-	-	-	29	29	276	-	70	70	70	-	5	11	5	-	-	-	-	89	1,547	1,573	1,368	0.413	0.420	0.411	0.397	37	650	647	544
4	5	24	142	1,676	1,703	1,735	-	-	-	-	49	-	-	-	-	-	-	-	-	22	22	269	-	70	70	70	-	2	4	4	-	-	-	-	93	1,581	1,606	1,391	0.412	0.422	0.412	0.396	38	667	661	551
4	6	1	113	1,327	1,339	1,356	-	-	-	-	48	-	-	-	-	-	-	-	-	21	21	268	-	70	70	70	-	5	4	4	-	-	-	-	65	1,231	1,244	1,013	0.411	0.421	0.415	0.397	27	519	516	402
4	6	2	106	1,231	1,235	1,245	-	-	-	-	46	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	3	5	1	-	-	-	-	59	1,135	1,138	903	0.411	0.422	0.413	0.397	24	479	470	358
4	6	3	101	1,171	1,169	1,172	-	-	-	-	45	-	-	-	-	-	-	-	-	25	25	272	-	70	70	70	-	8	4	0	-	-	-	-	56	1,068	1,070	830	0.411	0.421	0.416	0.396	23	450	445	329
4	6	4	99	1,142	1,133	1,130	-	-	-	-	47	-	-	-	-	-	-	-	-	14	14	261	-	70	70	70	-	8	3	(0)	-	-	-	-	52	1,051	1,046	800	0.412	0.422	0.415	0.397	21	444	435	317
4	6	5	100	1,141	1,124	1,114	-	-	-	-	50	-	-	-	-	-	-	-	-	12	12	259	-	70	70	70	-	11	7	1	-	-	-	-	50	1,048	1,034	784	0.413	0.422	0.415	0.399	20	443	429	313
4	6	6	106	1,210	1,188	1,175	-	-	-	-	50	-	-	-	-	-	-	-	0	15	15	262	-	70	70	70	-	9	6	6	-	-	-	-	56	1,116	1,098	837	0.413	0.422	0.415	0.398	23	471	456	333
4	6	7	118	1,345	1,321	1,307	-	-	-	-	47	-	-	-	-	-	-	-	7	438	440	689	-	70	70	70	-	0	(1)	(0)	-	-	-	-	64	837	811	547	0.415	0.337	0.332	0.391	27	282	269	214
4	6	8	126	1,439	1,418	1,408	-	-	-	-	41	-	-	-	-	-	-	-	21	1,024	1,062	1,344	-	70	70	70	-	(5)	(5)	7	-	-	-	-	65	351	291	(12)	0.414	0.280	0.320	0.311	27	98	93	(4)
4	6	9	133	1,520	1,504	1,501	-	-	-	-	37	-	-	-	-	-	-	-	35	1,564	1,653	1,979	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	61	(108)	(213)	(535)	0.391	0.000	0.007	0.000	24	-	(1)	-
4	6	10	140	1,610	1,596	1,595	-	-	-	-	35	-	-	-	-	-	-	-	42	1,749	1,873	2,231	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	64	(195)	(338)	(691)	0.392	0.000	0.000	0.000	25	-	-	-
4	6	11	148	1,703	1,690	1,690	-	-	-	-	35	-	-	-	-	-	-	-	57	2,462	2,618	3,004	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	56	(816)	(984)	(1,369)	0.389	0.000	0.000	0.000	22	-	-	-
4	6	12	155	1,791	1,781	1,782	-	-	-	-	34	-	-	-	-	-	-	-	61	2,643	2,808	3,202	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	60	(908)	(1,081)	(1,475)	0.386	0.000	0.000	0.000	23	-	-	-
4	6	13	160	1,850	1,845	1,851	-	-	-	-	33	-	-	-	-	-	-	-	61	2,662	2,829	3,225	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	66	(868)	(1,038)	(1,429)	0.385	0.000	0.000	0.000	25	-	-	-
4	6	14	163	1,894	1,893	1,903	-	-	-	-	33	-	-	-	-	-	-	-	56	2,450	2,604	2,990	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	74	(612)	(767)	(1,144)	0.383	0.000	0.000	0.000	28	-	-	-
4	6	15	164	1,909	1,912	1,925	-	-	-	-	34	-	-	-	-	-	-	-	51	2,244	2,381	2,750	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	80	(392)	(526)	(884)	0.385	0.000	0.000	0.000	31	-	-	-
4	6	16	165	1,918	1,928	1,948	-	-	-	-	36	-	-	-	-	-	-	-	38	1,703	1,805	2,143	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	90	152	55	(258)	0.412	0.000	0.007	0.000	37	-	0	-
4	6	17	163	1,902	1,919	1,946	-	-	-	-	40	-	-	-	-	-	-	-	22	949	1,011	1,314	-	70	70	70	-	(1)	(0)	4	-	-	-	-	101	884	839	557	0.410	0.238	0.314	0.270	41	210	263	150
4	6	18	157	1,838	1,862	1,894	-	-	-	-	46	-	-	-	-	-	-	-	5	284	298	557	-	70	70	70	-	(2)	(1)	2	-	-	-	-	105	1,486	1,496	1,265	0.413	0.425	0.419	0.406	43	631	627	514
4	6	19	155	1,820	1,847	1,881	-	-	-	-	51	-	-	-	-	-	-	-	0	46	46	293	-	70	70	70	-	5	10	8	-	-	-	-	104	1,699	1,721	1,510	0.416	0.422	0.413	0.402	43	718	711	607
4	6	20	161	1,897	1,928	1,966	-	-	-	-	50	-	-	-	-	-	-	-	-	47	47	294	-	70	70	70	-	6	7	15	-	-	-	-	111	1,774	1,804	1,587	0.421	0.432	0.422	0.405	47	766	761	642
4	6	21	160	1,887	1,919	1,958	-	-	-	-	51	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	9	2	6	-	-	-	-	109	1,745	1,785	1,572	0.418	0.424	0.413	0.404	45	739	737	635
4	6	22	151	1,781	1,814	1,852	-	-	-	-	52	-	-	-	-	-	-	-	-	70	70	317	-	70	70	70	-	4	3	7	-	-	-	-	99	1,636	1,671	1,458	0.414	0.421	0.411	0.401	41	690	687	584
4	6	23	136	1,607	1,638	1,673	-	-	-	-	51	-	-	-	-	-	-	-	-	71	71	318	-	70	70	70	-	5	11	5	-	-	-	-	85	1,461	1,486	1,280	0.413	0.420	0.411	0.397	35	614	611	508
4	6	24	148	1,740	1,769	1,802	-	-	-	-	49	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	2	4	4	-	-	-	-	99	1,605	1,632	1,418	0.412	0.422	0.412	0.396	41	677	672	562
4	7	1	112	1,306	1,317	1,333	-	-	-	-	48	-	-	-	-	-	-	-	-	56	56	303	-	70	70	70	-	5	4	4	-	-	-	-	63	1,175	1,188	956	0.411	0.421	0.415	0.397	26	495	493	379
4	7	2	105	1,220	1,224	1,233	-	-	-	-	46	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	3	5	1	-	-	-	-	58	1,102	1,104	869	0.411	0.422	0.413	0.397	24	465	456	345
4	7	3	100	1,163	1,160	1,163	-	-	-	-	45	-	-	-	-	-	-	-	-	41	41	288	-	70	70	70	-	8	4	0	-	-	-	-	55	1,043	1,045	804	0.411	0.421	0.416	0.396	23	440	434	319
4	7	4	99	1,135	1,126	1,123	-	-	-	-	47	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	8	3	(0)	-	-	-	-	52	1,022	1,017	770	0.412	0.422	0.415	0.397	21	431	422	306
4	7	5	100	1,143	1,126	1,116	-	-	-	-	50	-	-	-	-	-	-	-	-	35	35	282	-	70	70	70	-	11	7	1	-	-	-	-	50	1,028	1,014	763	0.413	0.422	0.415	0.399	21	434	421	304
4	7	6	106	1,214	1,192	1,178	-	-	-	-	50	-	-	-	-	-	-	-	0	54	54	301	-	70	70	70	-	9	6	6	-	-	-	-	56	1,080	1,062	801	0.413	0.422	0.415	0.398	23	456	441	319
4	7	7	119	1,359	1,335	1,321	-	-	-	-	47	-	-	-	-	-	-	-	16	1,023	1,027	1,277	-	70	70	70	-	0	(1)	(0)	-	-	-	-	56	265	239	(26)	0.415	0.337	0.332	0.391	23	89	79	(10)
4	7	8	128	1,462	1,441	1,432	-	-	-	-	41	-	-	-	-	-	-	-	34	1,858	1,900	2,185	-	70	70	70	-	(5)	(5)	7	-	-	-	-	53	(460)	(524)	(830)	0.414	0.280	0.320	0.311	22	(129)	(168)	(259)
4	7	9	133	1,522	1,506	1,503	-	-	-	-	37	-	-	-	-	-	-	-	44	2,168	2,254	2,578	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	52	(709)	(812)	(1,132)	0.391	0.000	0.007	0.000	20	-	(6)	-
4	7	10	138	1,588	1,574	1,572	-	-	-	-	35	-	-	-	-	-	-	-	53	2,507	2,624	2,976	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	51	(975)	(1,112)	(1,459)	0.392	0.000	0.000	0.000	20	-	-	-
4	7	11	143	1,642	1,628	1,626	-	-	-	-	35	-	-	-	-	-	-	-	60	2,796	2,940	3,316	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	48	(1,210)	(1,369)	(1,745)	0.389	0.000	0.000	0.000	19	-	-	-
4	7	12	145	1,666	1,653	1,652	-	-	-	-	34	-	-	-	-	-	-	-	61	2,739	2,896	3,283	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	50	(1,129)	(1,297)	(1,687)	0.386	0.000	0.000	0.000	19	-	-	-
4	7	13	146	1,680	1,671	1,672	-	-	-	-	33	-	-	-	-	-	-	-	61	2,766	2,923	3,311	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	52	(1,142)	(1,307)	(1,694)	0.385	0.000	0.000	0.000	20	-	-	-
4	7	14	146	1,690	1,684	1,688	-	-	-	-	33	-	-	-	-	-	-	-	55	2,481	2,622	2,996	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	58	(847)	(994)	(1,366)	0.383	0.000	0.000	0.000	22	-	-	-
4	7	15	145	1,682	1,679	1,686	-	-	-	-	34	-	-	-	-	-	-	-	41	1,776	1,893	2,246	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	71	(151)	(272)	(619)	0.385	0.000	0.000	0.000	27	-	-	-
4	7	16	144	1,671	1,676	1,689	-	-	-	-	36	-	-	-	-	-	-	-	32	1,423	1,516	1,845	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	75	185	92	(219)	0.412	0.000	0.007	0.000	31	-	1	-
4	7	17	143	1,668	1,681	1,701	-	-	-	-	40	-	-	-	-	-	-	-	20	936	990	1,286	-	70	70	70	-	(1)	(0)	4	-	-	-	-	83	663	621	340	0.410	0.238	0.314	0.270	34	158	195	92
4	7	18	142	1,667	1,687	1,714	-	-	-	-	46	-	-	-	-	-	-	-	5	352	364	621	-	70	70	70	-	(2)	(1)	2	-	-	-	-	91	1,247	1,255	1,022	0.413	0.425	0.419	0.406	37	530	526	415
4	7	19	144	1,694	1,718	1,749	-	-	-	-	51	-	-	-	-	-	-	-	0	74	74	321	-	70	70	70	-	5	10	8	-	-	-	-	93	1,546	1,565	1,350	0.416	0.422	0.413	0.402	39	653	646	543
4	7	20	152	1,788	1,817	1,851	-	-	-	-	50	-	-	-	-	-	-	-	-	46	46	293	-	70	70	70	-	6	7	15	-	-	-	-	101	1,665	1,693	1,473	0.421	0.432	0.422	0.405	43	719	714	596
4	7	21	152	1,789	1,819	1,855	-	-	-	-	51	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	9	2	6	-	-	-	-	100	1,665	1,702	1,487	0.418	0.424	0.413	0.404	42	705	703	600
4	7	22	144	1,697	1,728	1,764	-	-	-	-	52	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	4	3	7	-	-	-	-	92	1,574	1,606	1,391	0.414	0.421	0.411	0.401	38	663	661	558
4	7	23	131	1,550	1,579	1,613	-	-	-	-	51	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	5	11	5	-	-	-	-	80	1,435	1,459	1,251	0.413	0.420	0.411	0.397	33	603	600	497
4	7	24	137	1,619	1,645	1,676	-	-	-	-	49	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	2	4	4	-	-	-	-	88	1,498	1,522	1,305	0.412	0.422	0.412	0.396	36	632	627	517
4	8	1	109	1,271	1,282	1,297	-	-	-	-	48	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	5	4	4	-	-	-	-	61	1,147	1,159	926	0.411	0.421	0.415	0.397	25	483	481	367
4	8	2	102	1,192	1,195	1,203	-	-	-	-	46	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	3	5	1	-	-	-	-	56	1,069	1,070	835	0.411	0.422	0.413	0.397	23	451	442	331
4	8	3	98	1,136	1,133	1,135	-	-	-	-	45	-	-	-	-	-	-	-	-	48	48	295	-	70	70	70	-	8	4	0	-	-	-	-	53	1,010	1,011	769	0.411	0.421	0.416	0.396	22	426	420	305
4	8	4	97	1,114	1,104	1,100	-	-	-	-	47	-	-	-	-	-	-	-	-	44	44	291	-	70	70	70	-	8	3	(0)	-	-	-	-	50	992	987	739	0.412	0.422	0.415	0.397	20	419	410	293
4	8	5	98	1,124	1,106	1,096	-	-	-	-	50	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	11	7	1	-	-	-	-	48	993	979	728	0.413	0.422	0.415	0.399	20	419	406	290
4	8	6	104	1,191	1,168	1,154	-	-	-	-	50	-	-	-	-	-	-	-	0	55	55	302	-	70	70	70	-	9	6	6	-	-	-	-	54	1,056	1,037	776	0.413	0.422	0.415	0.398	22	446	430	309
4	8	7	117	1,336	1,311	1,297	-	-	-	-	47	-	-	-	-	-	-	-	4	316	318	567	-	70	70	70	-	0	(1)	(0)	-	-	-	-	66	950	924	660	0.415	0.337	0.332	0.391	27	320	307	258
4	8	8	127	1,457	1,436	1,426	-	-	-	-	41	-	-	-	-	-	-	-	16	829	864	1,142	-	70	70	70	-	(5)	(5)	7	-	-	-	-	70	563	507	207	0.414	0.280	0.320	0.311	29	158	162	65
4	8	9	135	1,546	1,530	1,528	-	-	-	-	37	-	-	-	-	-	-	-	32	1,502	1,577	1,890	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	66	(20)	(110)	(419)	0.391	0.000	0.007	0.000	26	-	(1)	-
4	8	10	141	1,620	1,606	1,606	-	-	-	-	35	-	-	-	-	-	-	-	42	1,904	2,014	2,358	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	64	(341)	(468)	(809)	0.392	0.000	0.000	0.000	25	-	-	-
4	8	11	145	1,667	1,653	1,652	-	-	-	-	35	-	-	-	-	-	-	-	48	1,999	2,144	2,521	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	62	(389)	(548)	(925)	0.389	0.000	0.000	0.000	24	-	-	-
4	8	12	146	1,676	1,663	1,661	-	-	-	-	34	-	-	-	-	-	-	-	55	2,368	2,528	2,918	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	56	(748)	(919)	(1,312)	0.386	0.000	0.000	0.000	22	-	-	-
4	8	13	145	1,675	1,666	1,667	-	-	-	-	33	-	-	-	-	-	-	-	64	2,868	3,037	3,434	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	48	(1,249)	(1,425)	(1,822)	0.385	0.000	0.000	0.000	19	-	-	-
4	8	14	145	1,674	1,668	1,672	-	-	-	-	33	-	-	-	-	-	-	-	63	2,848	3,008	3,399	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	49	(1,230)	(1,396)	(1,785)	0.383	0.000	0.000	0.000	19	-	-	-
4	8	15	143	1,655	1,652	1,658	-	-	-	-	34	-	-	-	-	-	-	-	59	2,703	2,847	3,223	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,105)	(1,253)	(1,624)	0.385	0.000	0.000	0.000	20	-	-	-
4	8	16	142	1,647	1,651	1,664	-	-	-	-	36	-	-	-	-	-	-	-	50	2,418	2,529	2,876	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(834)	(946)	(1,275)	0.412	0.000	0.007	0.000	23	-	(7)	-
4	8	17	141	1,644	1,656	1,675	-	-	-	-	40	-	-	-	-	-	-	-	35	1,800	1,864	2,168	-	70	70	70	-	(1)	(0)	4	-	-	-	-	66	(224)	(277)	(567)	0.410	0.238	0.314	0.270	27	(53)	(87)	(153)
4	8	18	141	1,649	1,669	1,695	-	-	-	-	46	-	-	-	-	-	-	-	14	866	878	1,136	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	715	721	487	0.413	0.425	0.419	0.406	33	304	302	198
4	8	19	144	1,688	1,712	1,742	-	-	-	-	51	-	-	-	-	-	-	-	0	61	61	308	-	70	70	70	-	5	10	8	-	-	-	-	93	1,552	1,571	1,356	0.416	0.422	0.413	0.402	39	656	649	545
4	8	20	149	1,759	1,787	1,821	-	-	-	-	50	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	6	7	15	-	-	-	-	99	1,624	1,652	1,431	0.421	0.432	0.422	0.405	42	701	696	579
4	8	21	149	1,753	1,782	1,817	-	-	-	-	51	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	9	2	6	-	-	-	-	97	1,633	1,670	1,454	0.418	0.424	0.413	0.404	41	692	690	587
4	8	22	143	1,684	1,715	1,750	-	-	-	-	52	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	4	3	7	-	-	-	-	91	1,570	1,602	1,387	0.414	0.421	0.411	0.401	38	662	659	556
4	8	23	132	1,562	1,591	1,625	-	-	-	-	51	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	5	11	5	-	-	-	-	81	1,447	1,471	1,264	0.413	0.420	0.411	0.397	34	608	605	502
4	8	24	137	1,619	1,645	1,676	-	-	-	-	49	-	-	-	-	-	-	-	-	38	38	285	-	70	70	70	-	2	4	4	-	-	-	-	88	1,509	1,533	1,316	0.412	0.422	0.412	0.396	36	637	631	521
4	9	1	111	1,295	1,306	1,322	-	-	-	-	48	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	5	4	4	-	-	-	-	63	1,180	1,192	960	0.411	0.421	0.415	0.397	26	497	495	381
4	9	2	104	1,212	1,216	1,224	-	-	-	-	46	-	-	-	-	-	-	-	-	41	41	288	-	70	70	70	-	3	5	1	-	-	-	-	58	1,098	1,100	865	0.411	0.422	0.413	0.397	24	463	455	343

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	9	3	100	1,154	1,151	1,154	-	-	-	-	45	-	-	-	-	-	-	-	-	37	37	284	-	70	70	70	-	8	4	0	-	-	-	-	54	1,039	1,040	800	0.411	0.421	0.416	0.396	22	438	433	317
4	9	4	97	1,118	1,109	1,105	-	-	-	-	47	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	8	3	(0)	-	-	-	-	50	1,010	1,005	757	0.412	0.422	0.415	0.397	21	426	417	300
4	9	5	97	1,104	1,086	1,075	-	-	-	-	50	-	-	-	-	-	-	-	-	30	30	277	-	70	70	70	-	11	7	1	-	-	-	-	47	993	979	727	0.413	0.422	0.415	0.399	19	419	406	290
4	9	6	98	1,115	1,090	1,074	-	-	-	-	50	-	-	-	-	-	-	-	1	68	68	315	-	70	70	70	-	9	6	6	-	-	-	-	47	967	947	684	0.413	0.422	0.415	0.398	20	409	393	272
4	9	7	103	1,170	1,142	1,124	-	-	-	-	47	-	-	-	-	-	-	-	18	1,131	1,135	1,386	-	70	70	70	-	0	(1)	(0)	-	-	-	-	39	(32)	(63)	(332)	0.415	0.337	0.332	0.391	16	(11)	(21)	(130)
4	9	8	108	1,223	1,196	1,181	-	-	-	-	41	-	-	-	-	-	-	-	36	1,937	1,989	2,282	-	70	70	70	-	(5)	(5)	7	-	-	-	-	31	(778)	(857)	(1,177)	0.414	0.280	0.320	0.311	13	(218)	(275)	(367)
4	9	9	116	1,323	1,302	1,294	-	-	-	-	37	-	-	-	-	-	-	-	51	2,497	2,603	2,945	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	28	(1,238)	(1,365)	(1,707)	0.391	0.000	0.007	0.000	11	-	(9)	-
4	9	10	123	1,408	1,389	1,383	-	-	-	-	35	-	-	-	-	-	-	-	61	2,799	2,946	3,325	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	28	(1,448)	(1,618)	(1,997)	0.392	0.000	0.000	0.000	11	-	-	-
4	9	11	128	1,465	1,447	1,441	-	-	-	-	35	-	-	-	-	-	-	-	65	2,865	3,037	3,438	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	28	(1,456)	(1,647)	(2,052)	0.389	0.000	0.000	0.000	11	-	-	-
4	9	12	129	1,480	1,463	1,456	-	-	-	-	34	-	-	-	-	-	-	-	67	2,908	3,091	3,503	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	28	(1,483)	(1,683)	(2,102)	0.386	0.000	0.000	0.000	11	-	-	-
4	9	13	129	1,485	1,471	1,467	-	-	-	-	33	-	-	-	-	-	-	-	67	2,914	3,098	3,510	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	30	(1,485)	(1,681)	(2,097)	0.385	0.000	0.000	0.000	11	-	-	-
4	9	14	127	1,461	1,449	1,448	-	-	-	-	33	-	-	-	-	-	-	-	65	2,883	3,055	3,456	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	29	(1,478)	(1,661)	(2,066)	0.383	0.000	0.000	0.000	11	-	-	-
4	9	15	126	1,449	1,441	1,442	-	-	-	-	34	-	-	-	-	-	-	-	61	2,772	2,928	3,315	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	31	(1,380)	(1,545)	(1,932)	0.385	0.000	0.000	0.000	12	-	-	-
4	9	16	125	1,444	1,444	1,451	-	-	-	-	36	-	-	-	-	-	-	-	52	2,437	2,562	2,920	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	37	(1,056)	(1,186)	(1,531)	0.412	0.000	0.007	0.000	15	-	(9)	-
4	9	17	124	1,450	1,457	1,472	-	-	-	-	40	-	-	-	-	-	-	-	35	1,779	1,852	2,165	-	70	70	70	-	(1)	(0)	4	-	-	-	-	49	(398)	(465)	(768)	0.410	0.238	0.314	0.270	20	(95)	(146)	(207)
4	9	18	126	1,477	1,493	1,515	-	-	-	-	46	-	-	-	-	-	-	-	8	481	496	756	-	70	70	70	-	(2)	(1)	2	-	-	-	-	72	928	928	688	0.413	0.425	0.419	0.406	30	394	389	279
4	9	19	130	1,526	1,546	1,572	-	-	-	-	51	-	-	-	-	-	-	-	0	75	75	322	-	70	70	70	-	5	10	8	-	-	-	-	79	1,376	1,391	1,172	0.416	0.422	0.413	0.402	33	581	575	471
4	9	20	138	1,627	1,652	1,682	-	-	-	-	50	-	-	-	-	-	-	-	-	72	72	319	-	70	70	70	-	6	7	15	-	-	-	-	88	1,479	1,503	1,279	0.421	0.432	0.422	0.405	37	638	634	518
4	9	21	140	1,650	1,677	1,710	-	-	-	-	51	-	-	-	-	-	-	-	-	77	77	324	-	70	70	70	-	9	2	6	-	-	-	-	89	1,495	1,529	1,310	0.418	0.424	0.413	0.404	37	633	632	529
4	9	22	135	1,595	1,624	1,657	-	-	-	-	52	-	-	-	-	-	-	-	-	83	83	330	-	70	70	70	-	4	3	7	-	-	-	-	83	1,438	1,468	1,251	0.414	0.421	0.411	0.401	34	606	604	501
4	9	23	127	1,496	1,524	1,556	-	-	-	-	51	-	-	-	-	-	-	-	-	87	87	334	-	70	70	70	-	5	11	5	-	-	-	-	76	1,334	1,356	1,147	0.413	0.420	0.411	0.397	31	561	558	456
4	9	24	125	1,477	1,500	1,527	-	-	-	-	49	-	-	-	-	-	-	-	-	93	93	340	-	70	70	70	-	2	4	4	-	-	-	-	76	1,312	1,333	1,112	0.412	0.422	0.412	0.396	31	554	549	441
4	10	1	108	1,259	1,270	1,284	-	-	-	-	48	-	-	-	-	-	-	-	-	91	91	338	-	70	70	70	-	5	4	4	-	-	-	-	60	1,094	1,105	872	0.411	0.421	0.415	0.397	24	461	459	346
4	10	2	101	1,176	1,179	1,187	-	-	-	-	46	-	-	-	-	-	-	-	-	85	85	332	-	70	70	70	-	3	5	1	-	-	-	-	55	1,018	1,019	783	0.411	0.422	0.413	0.397	23	429	421	311
4	10	3	97	1,119	1,115	1,116	-	-	-	-	45	-	-	-	-	-	-	-	-	87	87	334	-	70	70	70	-	8	4	0	-	-	-	-	51	953	953	712	0.411	0.421	0.416	0.396	21	402	396	282
4	10	4	94	1,083	1,072	1,068	-	-	-	-	47	-	-	-	-	-	-	-	-	79	79	326	-	70	70	70	-	8	3	(0)	-	-	-	-	47	926	920	672	0.412	0.422	0.415	0.397	19	391	382	267
4	10	5	93	1,063	1,044	1,032	-	-	-	-	50	-	-	-	-	-	-	-	-	65	65	312	-	70	70	70	-	11	7	1	-	-	-	-	43	918	902	650	0.413	0.422	0.415	0.399	18	388	375	259
4	10	6	94	1,068	1,043	1,026	-	-	-	-	50	-	-	-	-	-	-	-	1	96	96	343	-	70	70	70	-	9	6	6	-	-	-	-	44	893	871	607	0.413	0.422	0.415	0.398	18	377	361	241
4	10	7	97	1,095	1,065	1,045	-	-	-	-	47	-	-	-	-	-	-	-	18	1,132	1,136	1,387	-	70	70	70	-	0	(1)	(0)	-	-	-	-	33	(108)	(141)	(412)	0.415	0.337	0.332	0.391	14	(36)	(47)	(161)
4	10	8	100	1,126	1,097	1,080	-	-	-	-	41	-	-	-	-	-	-	-	37	1,967	2,021	2,316	-	70	70	70	-	(5)	(5)	7	-	-	-	-	22	(905)	(989)	(1,313)	0.414	0.280	0.320	0.311	9	(254)	(317)	(409)
4	10	9	106	1,200	1,176	1,165	-	-	-	-	37	-	-	-	-	-	-	-	52	2,501	2,611	2,956	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	17	(1,365)	(1,498)	(1,847)	0.391	0.000	0.007	0.000	7	-	(10)	-
4	10	10	111	1,266	1,244	1,234	-	-	-	-	35	-	-	-	-	-	-	-	61	2,808	2,959	3,341	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	15	(1,599)	(1,776)	(2,163)	0.392	0.000	0.000	0.000	6	-	-	-
4	10	11	115	1,318	1,297	1,287	-	-	-	-	35	-	-	-	-	-	-	-	65	2,882	3,057	3,462	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	15	(1,620)	(1,818)	(2,230)	0.389	0.000	0.000	0.000	6	-	-	-
4	10	12	118	1,346	1,326	1,316	-	-	-	-	34	-	-	-	-	-	-	-	67	2,919	3,108	3,524	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	16	(1,628)	(1,836)	(2,263)	0.386	0.000	0.000	0.000	6	-	-	-
4	10	13	119	1,369	1,352	1,346	-	-	-	-	33	-	-	-	-	-	-	-	68	2,923	3,113	3,530	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	19	(1,610)	(1,815)	(2,239)	0.385	0.000	0.000	0.000	7	-	-	-
4	10	14	120	1,381	1,367	1,364	-	-	-	-	33	-	-	-	-	-	-	-	66	2,901	3,083	3,492	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	20	(1,577)	(1,771)	(2,186)	0.383	0.000	0.000	0.000	8	-	-	-
4	10	15	120	1,387	1,377	1,377	-	-	-	-	34	-	-	-	-	-	-	-	62	2,767	2,927	3,317	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	25	(1,437)	(1,607)	(1,999)	0.385	0.000	0.000	0.000	10	-	-	-
4	10	16	121	1,395	1,394	1,400	-	-	-	-	36	-	-	-	-	-	-	-	52	2,406	2,529	2,886	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	33	(1,074)	(1,203)	(1,549)	0.412	0.000	0.007	0.000	13	-	(9)	-
4	10	17	122	1,417	1,423	1,437	-	-	-	-	40	-	-	-	-	-	-	-	36	1,808	1,879	2,190	-	70	70	70	-	(1)	(0)	4	-	-	-	-	46	(461)	(526)	(828)	0.410	0.238	0.314	0.270	19	(109)	(165)	(224)
4	10	18	124	1,456	1,471	1,493	-	-	-	-	46	-	-	-	-	-	-	-	10	577	590	848	-	70	70	70	-	(2)	(1)	2	-	-	-	-	68	810	812	573	0.413	0.425	0.419	0.406	28	344	340	233
4	10	19	129	1,517	1,537	1,563	-	-	-	-	51	-	-	-	-	-	-	-	0	62	62	309	-	70	70	70	-	5	10	8	-	-	-	-	78	1,381	1,396	1,177	0.416	0.422	0.413	0.402	33	583	577	473
4	10	20	140	1,642	1,668	1,699	-	-	-	-	50	-	-	-	-	-	-	-	-	64	64	311	-	70	70	70	-	6	7	15	-	-	-	-	89	1,502	1,526	1,303	0.421	0.432	0.422	0.405	38	648	643	527
4	10	21	142	1,679	1,707	1,740	-	-	-	-	51	-	-	-	-	-	-	-	-	56	56	303	-	70	70	70	-	9	2	6	-	-	-	-	91	1,544	1,579	1,361	0.418	0.424	0.413	0.404	38	654	652	549
4	10	22	136	1,607	1,636	1,670	-	-	-	-	52	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	4	3	7	-	-	-	-	84	1,475	1,505	1,288	0.414	0.421	0.411	0.401	35	622	619	516
4	10	23	125	1,476	1,504	1,535	-	-	-	-	51	-	-	-	-	-	-	-	-	60	60	307	-	70	70	70	-	5	11	5	-	-	-	-	74	1,341	1,363	1,153	0.413	0.420	0.411	0.397	31	564	561	458
4	10	24	118	1,386	1,407	1,431	-	-	-	-	49	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	2	4	4	-	-	-	-	69	1,265	1,284	1,061	0.412	0.422	0.412	0.396	28	534	528	420
4	11	1	104	1,211	1,221	1,234	-	-	-	-	48	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	5	4	4	-	-	-	-	55	1,096	1,107	872	0.411	0.421	0.415	0.397	23	462	459	346
4	11	2	98	1,137	1,139	1,146	-	-	-	-	46	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	3	5	1	-	-	-	-	51	1,028	1,029	791	0.411	0.422	0.413	0.397	21	433	425	314
4	11	3	95	1,095	1,090	1,091	-	-	-	-	45	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	8	4	0	-	-	-	-	49	985	985	743	0.411	0.421	0.416	0.396	20	415	410	295
4	11	4	94	1,078	1,067	1,063	-	-	-	-	47	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	8	3	(0)	-	-	-	-	47	973	966	718	0.412	0.422	0.415	0.397	19	410	401	285
4	11	5	96	1,103	1,085	1,074	-	-	-	-	50	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	11	7	1	-	-	-	-	46	989	974	723	0.413	0.422	0.415	0.399	19	418	405	288
4	11	6	104	1,183	1,160	1,146	-	-	-	-	50	-	-	-	-	-	-	-	1	96	96	343	-	70	70	70	-	9	6	6	-	-	-	-	53	1,007	989	727	0.413	0.422	0.415	0.398	22	426	410	289
4	11	7	117	1,332	1,307	1,293	-	-	-	-	47	-	-	-	-	-	-	-	19	1,190	1,194	1,444	-	70	70	70	-	0	(1)	(0)	-	-	-	-	51	71	44	(221)	0.415	0.337	0.332	0.391	21	24	15	(87)
4	11	8	125	1,430	1,408	1,398	-	-	-	-	41	-	-	-	-	-	-	-	36	1,972	2,017	2,304	-	70	70	70	-	(5)	(5)	7	-	-	-	-	48	(607)	(674)	(982)	0.414	0.280	0.320	0.311	20	(170)	(216)	(306)
4	11	9	129	1,483	1,466	1,462	-	-	-	-	37	-	-	-	-	-	-	-	48	2,464	2,547	2,869	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	45	(1,044)	(1,145)	(1,463)	0.391	0.000	0.007	0.000	17	-	(8)	-
4	11	10	135	1,546	1,530	1,528	-	-	-	-	35	-	-	-	-	-	-	-	55	2,695	2,806	3,153	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	45	(1,207)	(1,338)	(1,681)	0.392	0.000	0.000	0.000	18	-	-	-
4	11	11	139	1,601	1,587	1,584	-	-	-	-	35	-	-	-	-	-	-	-	59	2,771	2,905	3,272	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	46	(1,225)	(1,375)	(1,743)	0.389	0.000	0.000	0.000	18	-	-	-
4	11	12	142	1,637	1,623	1,621	-	-	-	-	34	-	-	-	-	-	-	-	62	2,846	3,002	3,389	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	46	(1,265)	(1,433)	(1,823)	0.386	0.000	0.000	0.000	18	-	-	-
4	11	13	143	1,653	1,643	1,644	-	-	-	-	33	-	-	-	-	-	-	-	62	2,841	2,994	3,379	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	49	(1,244)	(1,406)	(1,789)	0.385	0.000	0.000	0.000	19	-	-	-
4	11	14	145	1,671	1,665	1,669	-	-	-	-	33	-	-	-	-	-	-	-	58	2,635	2,780	3,157	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	54	(1,020)	(1,171)	(1,546)	0.383	0.000	0.000	0.000	21	-	-	-
4	11	15	144	1,669	1,666	1,673	-	-	-	-	34	-	-	-	-	-	-	-	56	2,665	2,791	3,150	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	55	(1,053)	(1,182)	(1,536)	0.385	0.000	0.000	0.000	21	-	-	-
4	11	16	144	1,677	1,682	1,696	-	-	-	-	36	-	-	-	-	-	-	-	43	2,089	2,182	2,512	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	65	(474)	(567)	(879)	0.412	0.000	0.007	0.000	27	-	(4)	-
4	11	17	144	1,678	1,691	1,711	-	-	-	-	40	-	-	-	-	-	-	-	23	1,139	1,190	1,482	-	70	70	70	-	(1)	(0)	4	-	-	-	-	81	470	431	154	0.410	0.238	0.314	0.270	33	112	135	42
4	11	18	143	1,672	1,692	1,720	-	-	-	-	46	-	-	-	-	-	-	-	6	368	377	633	-	70	70	70	-	(2)	(1)	2	-	-	-	-	90	1,236	1,246	1,016	0.413	0.425	0.419	0.406	37	525	522	412
4	11	19	143	1,685	1,709	1,739	-	-	-	-	51	-	-	-	-	-	-	-	0	53	53	300	-	70	70	70	-	5	10	8	-	-	-	-	93	1,557	1,576	1,362	0.416	0.422	0.413	0.402	38	658	651	547
4	11	20	152	1,789	1,818	1,853	-	-	-	-	50	-	-	-	-	-	-	-	-	46	46	293	-	70	70	70	-	6	7	15	-	-	-	-	102	1,667	1,695	1,476	0.421	0.432	0.422	0.405	43	720	715	597
4	11	21	155	1,825	1,856	1,893	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	9	2	6	-	-	-	-	103	1,695	1,734	1,520	0.418	0.424	0.413	0.404	43	718	716	613
4	11	22	146	1,727	1,759	1,795	-	-	-	-	52	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	4	3	7	-	-	-	-	94	1,595	1,628	1,414	0.414	0.421	0.411	0.401	39	672	669	567
4	11	23	132	1,562	1,592	1,625	-	-	-	-	51	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	5	11	5	-	-	-	-	81	1,424	1,448	1,240	0.413	0.420	0.411	0.397	34	599	596	493
4	11	24	135	1,594	1,620	1,650	-	-	-	-	49	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	2	4	4	-	-	-	-	86	1,470	1,493	1,276	0.412	0.422	0.412	0.396	36	620	615	505
4	12	1	108	1,265	1,276	1,291	-	-	-	-	48	-	-	-	-	-	-	-	-	41	41	288	-	70	70	70	-	5	4	4	-	-	-	-	60	1,149	1,161	928	0.411	0.421	0.415	0.397	25	484	482	368
4	12	2	102	1,189	1,193	1,201	-	-	-	-	46	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	3	5	1	-	-	-	-	56	1,077	1,079	843	0.411	0.422	0.413	0.397	23	454	446	334
4	12	3	98	1,135	1,132	1,134	-	-	-	-	45	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	8	4	0	-	-	-	-	53	1,022	1,022	781	0.411	0.421	0.416	0.396	22	431	425	310
4	12	4	97	1,115	1,105	1,102	-	-	-	-	47	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	8	3	(0)	-	-	-	-	50	1,006	1,001	754	0.412	0.422	0.415	0.397	21	425	416	299
4	12	5	98	1,127	1,109	1,099	-	-	-	-	50	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	11	7	1	-	-	-	-	48	1,006	992	741	0.413	0.422	0.415	0.399	20	425	412	296
4	12	6	106	1,204	1,182	1,169	-	-	-	-	50	-	-	-	-	-	-	-	2	159	159	406	-	70	70	70	-	9	6	6	-	-	-	-	54	966	948	687	0.413	0.422	0.415	0.398	22	408	393	273
4	12	7	119	1,353	1,329	1,316	-	-	-	-	47	-	-	-	-	-	-	-	20	1,271	1,276	1,526	-	70	70	70	-	0	(1)	(0)	-	-	-	-	52	11	(16)	(281)	0.415	0.337	0.332	0.391	22	4	(5)	(110)
4	12	8	127	1,448	1,426	1,417	-	-	-	-	41	-	-	-	-	-	-	-	35	1,929	1,978	2,270	-	70	70	70	-	(5)	(5)	7	-	-	-	-	50	(546)	(617)	(929)	0.414	0.280	0.320	0.311	21	(153)	(198)	(289)
4	12	9	131	1,499	1,482	1,479	-	-	-	-	37	-	-	-	-	-	-	-	47	2,347	2,440	2,770	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	47	(912)	(1,022)	(1,348)	0.391	0.000	0.007	0.000	18	-	(7)	-
4	12	10	136	1,563	1,548	1,546	-	-	-	-	35	-	-	-	-	-	-	-	43	1,919	2,042	2,399	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	58	(412)	(555)	(909)	0.392	0.000	0.000	0.000	23	-	-	-
4	12	11	141	1,624	1,610	1,608	-	-	-	-	35	-	-	-	-	-	-	-	44	1,849	1,987	2,356	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	63	(281)	(434)	(804)	0.389	0.000	0.000	0.000	24	-	-	-
4	12	12	144	1,653	1,640	1,638	-	-	-	-	34	-	-	-	-	-	-	-	43	1,838	1,975	2,345	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	66	(240)	(389)	(762)	0.386	0.000	0.000	0.000	26	-	-	-
4	12	13	145	1,676	1,666	1,668	-	-	-	-	33	-	-	-	-	-	-	-	44	1,869	2,006	2,376	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	69	(249)	(394)	(763)	0.385	0.000	0.000	0.000	26	-	-	-
4	12	14	146	1,692	1,687	1,691	-	-	-	-	33	-	-	-	-	-	-	-	51	2,331	2,472	2,846	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	62	(695)	(841)	(1,212)	0.383	0.000	0.000	0.000	24	-	-	-
4	12	15	147	1,700	1,697	1,705	-	-	-	-	34	-	-	-	-	-	-	-	51	2,316	2,459	2,835	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	62	(673)	(819)	(1,188)	0.385	0.000	0.000	0.000	24	-	-	-
4	12	16	147	1,710	1,715	1,730	-	-	-	-	36	-	-	-	-	-	-	-	45	2,111	2,224	2,573	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	66	(464)	(577)	(906)	0.412	0.000	0.007	0.000	27	-	(4)	-
4	12	17	146	1,708	1,721	1,742	-	-	-	-	40	-	-	-	-	-	-	-	30	1,448	1,521	1,834	-	70	70	70	-	(1)	(0)	4	-	-	-	-	77	191	130	(166)	0.410	0.238	0.314	0.270	31	45	41	(45)
4	12	18	144	1,693	1,714	1,742	-	-	-	-	46	-	-	-	-	-	-	-	4	243	259	520	-	70	70	70	-	(2)	(1)	2	-	-	-	-	94	1,383	1,387	1,150	0.413	0.425	0.419	0.406	39	587	581	467
4	12	19	144	1,698	1,722	1,753	-	-	-	-	51	-	-	-	-	-	-	-	0	110	110	357	-	70	70	70	-	5	10	8	-	-	-	-	94	1,514	1,533	1,318	0.416	0.422	0.413	0.402	39	639	633	530
4	12	20	152	1,794	1,823	1,858	-	-	-	-	50	-	-	-	-	-	-	-	-	106	106	353	-	70	70	70	-	6	7	15	-	-	-	-	102	1,612	1,640	1,421	0.421	0.432	0.422	0.405	43	696	691	575
4	12	21	155	1,830	1,862	1,899	-	-	-	-	51	-	-	-	-	-	-	-	-	97	97	344	-	70	70	70	-	9	2	6	-	-	-	-	104	1,655	1,693	1,479	0.418	0.424	0.413	0.404	43	701	699	597
4	12	22	147	1,738	1,770	1,807	-	-	-	-	52	-	-	-	-	-	-	-	-	93	93	340	-	70	70	70	-	4	3	7	-	-	-	-	95	1,571	1,604	1,390	0.414	0.421	0.411	0.401	39	662	660	557
4	12	23	133	1,576	1,606	1,640	-	-	-	-	51	-	-	-	-	-	-	-	-	83	83	330	-	70	70	70	-	5	11	5	-	-	-	-	83	1,418	1,443	1,236	0.413	0.420	0.411	0.397	34	596	594	491
4	12	24	137	1,614	1,639	1,670	-	-	-	-	49	-	-	-	-	-	-	-	-	80	80	327	-	70	70	70	-	2	4	4	-	-	-	-	88	1,461	1,485	1,268	0.412	0.422	0.412	0.396	36	616	611	502
4	13	1	109	1,272	1,283	1,298	-	-	-	-	48	-	-	-	-	-	-	-	-	80	80	327	-	70	70	70	-	5	4	4	-	-	-	-	61	1,117	1,129	896	0.411	0.421	0.415	0.397	25	471	468	356
4	13	2	103	1,194	1,197	1,206	-	-	-	-	46	-	-	-	-	-	-	-	-	76	76	323	-	70	70	70	-	3	5	1	-	-	-	-	56	1,045	1,047	811	0.411	0.422	0.413	0.397	23	441	433	322
4	13	3	99	1,141	1,138	1,140	-	-	-	-	45	-	-	-	-	-	-	-	-	83	83	330	-	70	70	70	-	8	4	0	-	-	-	-	53	980	981	740	0.411	0.421	0.416	0.396	22	413	408	293
4	13	4	97	1,117	1,108	1,104	-	-	-	-	47	-	-	-	-	-	-	-	-	82	82	329	-	70	70	70	-	8	3	(0)	-	-	-	-	50	958	953	705	0.412	0.422	0.415	0.397	21	404	396	280
4	13	5	99	1,130	1,113	1,103	-	-	-	-	50	-	-	-	-	-	-	-	-	75	75	322	-	70	70	70	-	11	7	1	-	-	-	-	49	975	961	710	0.413	0.422	0.415	0.399	20	412	399	283
4	13	6	106	1,205	1,183	1,170	-	-	-	-	50	-	-	-	-	-	-	-	2	170	170	417	-	70	70	70	-	9	6	6	-	-	-	-	54	956	937	677	0.413	0.422	0.415	0.398	22	404	389	269
4	13	7	118	1,352	1,328	1,314	-	-	-	-	47	-	-	-	-	-	-	-	20	1,293	1,298	1,549	-	70	70	70	-	0	(1)	(0)	-	-	-	-	52	(12)	(39)	(305)	0.415	0.337	0.332	0.391	21	(4)	(13)	(119)
4	13	8	127	1,452	1,431	1,422	-	-	-	-	41	-	-	-	-	-	-	-	39	2,122	2,178	2,476	-	70	70	70	-	(5)	(5)	7	-	-	-	-	47	(734)	(812)	(1,130)	0.414	0.280	0.320	0.311	20	(206)	(260)	(352)
4	13	9	131	1,505	1,488	1,485	-	-	-	-	37	-	-	-	-	-	-	-	54	2,664	2,776	3,124	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	41	(1,223)	(1,352)	(1,696)	0.391	0.000	0.007	0.000	16	-	(9)	-
4	13	10	136	1,558	1,542	1,540	-	-	-	-	35	-	-	-	-	-	-	-	62	2,860	3,013	3,397	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	39	(1,360)	(1,532)	(1,912)	0.392	0.000	0.000	0.000	15	-	-	-
4	13	11	140	1,612	1,598	1,595	-	-	-	-	35	-	-	-	-	-	-	-	66	2,923	3,101	3,508	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	40	(1,366)	(1,560)	(1,968)	0.389	0.000	0.000	0.000	15	-	-	-
4	13	12	143	1,650	1,637	1,635	-	-	-	-	34	-	-	-	-	-	-	-	68	2,944	3,134	3,551	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	42	(1,350)	(1,551)	(1,972)	0.386	0.000	0.000	0.000	16	-	-	-
4	13	13	145	1,675	1,665	1,667	-	-	-	-	33	-	-	-	-	-	-	-	68	2,938	3,129	3,547	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	45	(1,319)	(1,518)	(1,935)	0.385	0.000	0.000	0.000	17	-	-	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	13	14	147	1,694	1,688	1,693	-	-	-	-	33	-	-	-	-	-	-	-	66	2,896	3,077	3,486	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	47	(1,259)	(1,445)	(1,851)	0.383	0.000	0.000	0.000	18	-	-	-
4	13	15	147	1,703	1,701	1,709	-	-	-	-	34	-	-	-	-	-	-	-	63	2,806	2,968	3,359	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,160)	(1,324)	(1,709)	0.385	0.000	0.000	0.000	20	-	-	-
4	13	16	147	1,708	1,714	1,729	-	-	-	-	36	-	-	-	-	-	-	-	52	2,416	2,540	2,897	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	58	(771)	(893)	(1,231)	0.412	0.000	0.007	0.000	24	-	(7)	-
4	13	17	146	1,705	1,718	1,739	-	-	-	-	40	-	-	-	-	-	-	-	36	1,786	1,854	2,162	-	70	70	70	-	(1)	(0)	4	-	-	-	-	70	(151)	(206)	(498)	0.410	0.238	0.314	0.270	29	(36)	(65)	(134)
4	13	18	144	1,694	1,716	1,744	-	-	-	-	46	-	-	-	-	-	-	-	8	438	449	706	-	70	70	70	-	(2)	(1)	2	-	-	-	-	91	1,189	1,197	966	0.413	0.425	0.419	0.406	37	505	502	392
4	13	19	144	1,695	1,720	1,750	-	-	-	-	51	-	-	-	-	-	-	-	0	55	55	302	-	70	70	70	-	5	10	8	-	-	-	-	93	1,566	1,585	1,371	0.416	0.422	0.413	0.402	39	662	655	551
4	13	20	153	1,799	1,828	1,863	-	-	-	-	50	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	6	7	15	-	-	-	-	102	1,668	1,696	1,477	0.421	0.432	0.422	0.405	43	720	715	598
4	13	21	156	1,836	1,868	1,905	-	-	-	-	51	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	9	2	6	-	-	-	-	104	1,722	1,760	1,546	0.418	0.424	0.413	0.404	44	729	727	624
4	13	22	148	1,748	1,781	1,818	-	-	-	-	52	-	-	-	-	-	-	-	-	16	16	263	-	70	70	70	-	4	3	7	-	-	-	-	96	1,657	1,691	1,478	0.414	0.421	0.411	0.401	40	699	695	592
4	13	23	134	1,588	1,619	1,653	-	-	-	-	51	-	-	-	-	-	-	-	-	3	3	250	-	70	70	70	-	5	11	5	-	-	-	-	84	1,509	1,534	1,327	0.413	0.420	0.411	0.397	34	635	631	527
4	13	24	137	1,617	1,643	1,673	-	-	-	-	49	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	2	4	4	-	-	-	-	88	1,545	1,569	1,352	0.412	0.422	0.412	0.396	36	652	646	536
4	14	1	110	1,287	1,298	1,313	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	5	4	4	-	-	-	-	62	1,212	1,224	992	0.411	0.421	0.415	0.397	25	511	508	394
4	14	2	104	1,207	1,211	1,219	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	3	5	1	-	-	-	-	57	1,134	1,136	901	0.411	0.422	0.413	0.397	24	478	470	357
4	14	3	100	1,154	1,151	1,154	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	4	0	-	-	-	-	54	1,076	1,077	837	0.411	0.421	0.416	0.396	22	454	448	332
4	14	4	98	1,130	1,121	1,118	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,053	1,048	801	0.412	0.422	0.415	0.397	21	444	435	318
4	14	5	99	1,136	1,119	1,109	-	-	-	-	50	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	11	7	1	-	-	-	-	49	1,055	1,041	791	0.413	0.422	0.415	0.399	20	446	432	315
4	14	6	106	1,211	1,189	1,176	-	-	-	-	50	-	-	-	-	-	-	-	1	81	81	328	-	70	70	70	-	9	6	6	-	-	-	-	55	1,050	1,032	771	0.413	0.422	0.415	0.398	23	444	428	307
4	14	7	119	1,358	1,334	1,320	-	-	-	-	47	-	-	-	-	-	-	-	12	762	765	1,015	-	70	70	70	-	0	(1)	(0)	-	-	-	-	60	525	499	235	0.415	0.337	0.332	0.391	25	177	166	92
4	14	8	127	1,458	1,437	1,428	-	-	-	-	41	-	-	-	-	-	-	-	28	1,491	1,526	1,804	-	70	70	70	-	(5)	(5)	7	-	-	-	-	59	(98)	(154)	(453)	0.414	0.280	0.320	0.311	25	(27)	(49)	(141)
4	14	9	131	1,506	1,489	1,485	-	-	-	-	37	-	-	-	-	-	-	-	37	1,870	1,934	2,239	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	58	(428)	(509)	(810)	0.391	0.000	0.007	0.000	23	-	(3)	-
4	14	10	135	1,555	1,539	1,537	-	-	-	-	35	-	-	-	-	-	-	-	40	1,969	2,049	2,368	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	61	(471)	(571)	(887)	0.392	0.000	0.000	0.000	24	-	-	-
4	14	11	140	1,610	1,595	1,592	-	-	-	-	35	-	-	-	-	-	-	-	47	2,367	2,458	2,787	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	58	(814)	(921)	(1,250)	0.389	0.000	0.000	0.000	23	-	-	-
4	14	12	143	1,645	1,631	1,629	-	-	-	-	34	-	-	-	-	-	-	-	55	2,712	2,821	3,166	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	54	(1,123)	(1,244)	(1,592)	0.386	0.000	0.000	0.000	21	-	-	-
4	14	13	145	1,674	1,665	1,666	-	-	-	-	33	-	-	-	-	-	-	-	48	2,398	2,493	2,826	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	65	(779)	(883)	(1,214)	0.385	0.000	0.000	0.000	25	-	-	-
4	14	14	147	1,694	1,689	1,693	-	-	-	-	33	-	-	-	-	-	-	-	37	1,840	1,922	2,242	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	76	(202)	(289)	(607)	0.383	0.000	0.000	0.000	29	-	-	-
4	14	15	147	1,703	1,701	1,708	-	-	-	-	34	-	-	-	-	-	-	-	26	1,335	1,394	1,695	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	87	312	249	(45)	0.385	0.000	0.000	0.000	34	-	-	-
4	14	16	146	1,702	1,707	1,722	-	-	-	-	36	-	-	-	-	-	-	-	19	993	1,036	1,322	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	91	646	603	336	0.412	0.000	0.007	0.000	38	-	4	-
4	14	17	145	1,694	1,706	1,727	-	-	-	-	40	-	-	-	-	-	-	-	11	585	614	886	-	70	70	70	-	(1)	(0)	4	-	-	-	-	94	1,040	1,023	766	0.410	0.238	0.314	0.270	39	247	321	207
4	14	18	143	1,676	1,697	1,724	-	-	-	-	46	-	-	-	-	-	-	-	3	231	238	491	-	70	70	70	-	(2)	(1)	2	-	-	-	-	94	1,378	1,390	1,162	0.413	0.425	0.419	0.406	39	585	582	472
4	14	19	142	1,674	1,697	1,727	-	-	-	-	51	-	-	-	-	-	-	-	0	108	108	355	-	70	70	70	-	5	10	8	-	-	-	-	92	1,491	1,509	1,294	0.416	0.422	0.413	0.402	38	630	623	520
4	14	20	151	1,783	1,812	1,846	-	-	-	-	50	-	-	-	-	-	-	-	-	88	88	335	-	70	70	70	-	6	7	15	-	-	-	-	101	1,619	1,647	1,427	0.421	0.432	0.422	0.405	43	699	694	577
4	14	21	155	1,826	1,857	1,894	-	-	-	-	51	-	-	-	-	-	-	-	-	72	72	319	-	70	70	70	-	9	2	6	-	-	-	-	103	1,675	1,713	1,499	0.418	0.424	0.413	0.404	43	710	708	605
4	14	22	147	1,735	1,767	1,804	-	-	-	-	52	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	4	3	7	-	-	-	-	95	1,597	1,630	1,417	0.414	0.421	0.411	0.401	39	673	671	568
4	14	23	133	1,574	1,604	1,638	-	-	-	-	51	-	-	-	-	-	-	-	-	60	60	307	-	70	70	70	-	5	11	5	-	-	-	-	82	1,438	1,462	1,255	0.413	0.420	0.411	0.397	34	605	602	499
4	14	24	137	1,618	1,644	1,674	-	-	-	-	49	-	-	-	-	-	-	-	-	64	64	311	-	70	70	70	-	2	4	4	-	-	-	-	88	1,482	1,506	1,289	0.412	0.422	0.412	0.396	36	625	620	511
4	15	1	110	1,285	1,296	1,312	-	-	-	-	48	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	5	4	4	-	-	-	-	62	1,149	1,161	929	0.411	0.421	0.415	0.397	25	484	482	369
4	15	2	103	1,202	1,206	1,214	-	-	-	-	46	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	3	5	1	-	-	-	-	57	1,078	1,080	844	0.411	0.422	0.413	0.397	23	454	446	335
4	15	3	99	1,150	1,146	1,149	-	-	-	-	45	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	8	4	0	-	-	-	-	54	1,032	1,033	792	0.411	0.421	0.416	0.396	22	435	430	314
4	15	4	98	1,130	1,121	1,118	-	-	-	-	47	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,002	998	750	0.412	0.422	0.415	0.397	21	423	414	298
4	15	5	100	1,142	1,125	1,115	-	-	-	-	50	-	-	-	-	-	-	-	-	48	48	295	-	70	70	70	-	11	7	1	-	-	-	-	50	1,013	999	749	0.413	0.422	0.415	0.399	21	428	415	299
4	15	6	106	1,212	1,190	1,177	-	-	-	-	50	-	-	-	-	-	-	-	3	218	218	465	-	70	70	70	-	9	6	6	-	-	-	-	54	915	897	636	0.413	0.422	0.415	0.398	22	387	372	253
4	15	7	118	1,348	1,324	1,310	-	-	-	-	47	-	-	-	-	-	-	-	20	1,261	1,266	1,517	-	70	70	70	-	0	(1)	(0)	-	-	-	-	52	16	(12)	(277)	0.415	0.337	0.332	0.391	21	5	(4)	(108)
4	15	8	126	1,445	1,423	1,414	-	-	-	-	41	-	-	-	-	-	-	-	38	2,094	2,138	2,425	-	70	70	70	-	(5)	(5)	7	-	-	-	-	48	(713)	(780)	(1,088)	0.414	0.280	0.320	0.311	20	(200)	(250)	(339)
4	15	9	131	1,497	1,480	1,476	-	-	-	-	37	-	-	-	-	-	-	-	50	2,536	2,629	2,960	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	44	(1,102)	(1,213)	(1,540)	0.391	0.000	0.007	0.000	17	-	(8)	-
4	15	10	136	1,556	1,540	1,538	-	-	-	-	35	-	-	-	-	-	-	-	56	2,650	2,776	3,136	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	45	(1,151)	(1,297)	(1,654)	0.392	0.000	0.000	0.000	18	-	-	-
4	15	11	139	1,602	1,587	1,584	-	-	-	-	35	-	-	-	-	-	-	-	55	2,572	2,706	3,074	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	49	(1,026)	(1,176)	(1,545)	0.389	0.000	0.000	0.000	19	-	-	-
4	15	12	141	1,624	1,610	1,607	-	-	-	-	34	-	-	-	-	-	-	-	57	2,546	2,693	3,072	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	51	(977)	(1,137)	(1,520)	0.386	0.000	0.000	0.000	20	-	-	-
4	15	13	143	1,643	1,633	1,633	-	-	-	-	33	-	-	-	-	-	-	-	47	2,020	2,159	2,531	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	63	(432)	(581)	(953)	0.385	0.000	0.000	0.000	24	-	-	-
4	15	14	144	1,663	1,657	1,660	-	-	-	-	33	-	-	-	-	-	-	-	45	1,971	2,099	2,461	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	66	(364)	(498)	(858)	0.383	0.000	0.000	0.000	25	-	-	-
4	15	15	144	1,663	1,660	1,667	-	-	-	-	34	-	-	-	-	-	-	-	44	2,068	2,177	2,522	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	66	(461)	(574)	(914)	0.385	0.000	0.000	0.000	25	-	-	-
4	15	16	144	1,670	1,674	1,688	-	-	-	-	36	-	-	-	-	-	-	-	25	1,031	1,113	1,434	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	82	576	493	191	0.412	0.000	0.007	0.000	34	-	4	-
4	15	17	144	1,679	1,691	1,712	-	-	-	-	40	-	-	-	-	-	-	-	20	886	943	1,240	-	70	70	70	-	(1)	(0)	4	-	-	-	-	84	724	679	397	0.410	0.238	0.314	0.270	34	172	213	107
4	15	18	142	1,668	1,688	1,716	-	-	-	-	46	-	-	-	-	-	-	-	3	135	149	410	-	70	70	70	-	(2)	(1)	2	-	-	-	-	93	1,465	1,470	1,234	0.413	0.425	0.419	0.406	38	622	616	501
4	15	19	142	1,663	1,686	1,716	-	-	-	-	51	-	-	-	-	-	-	-	0	32	32	279	-	70	70	70	-	5	10	8	-	-	-	-	91	1,557	1,575	1,359	0.416	0.422	0.413	0.402	38	657	650	546
4	15	20	148	1,739	1,766	1,800	-	-	-	-	50	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	6	7	15	-	-	-	-	97	1,609	1,636	1,415	0.421	0.432	0.422	0.405	41	695	690	573
4	15	21	152	1,787	1,818	1,853	-	-	-	-	51	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	9	2	6	-	-	-	-	100	1,664	1,701	1,486	0.418	0.424	0.413	0.404	42	705	703	600
4	15	22	146	1,722	1,754	1,790	-	-	-	-	52	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	4	3	7	-	-	-	-	94	1,608	1,641	1,426	0.414	0.421	0.411	0.401	39	678	675	572
4	15	23	135	1,594	1,624	1,659	-	-	-	-	51	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	5	11	5	-	-	-	-	84	1,487	1,512	1,305	0.413	0.420	0.411	0.397	35	625	622	519
4	15	24	136	1,600	1,626	1,655	-	-	-	-	49	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	2	4	4	-	-	-	-	87	1,492	1,516	1,298	0.412	0.422	0.412	0.396	36	630	624	514
4	16	1	112	1,310	1,322	1,338	-	-	-	-	48	-	-	-	-	-	-	-	-	35	35	282	-	70	70	70	-	5	4	4	-	-	-	-	64	1,201	1,214	982	0.411	0.421	0.415	0.397	26	506	504	390
4	16	2	105	1,218	1,222	1,231	-	-	-	-	46	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	3	5	1	-	-	-	-	58	1,112	1,114	879	0.411	0.422	0.413	0.397	24	469	460	349
4	16	3	100	1,161	1,159	1,161	-	-	-	-	45	-	-	-	-	-	-	-	-	25	25	272	-	70	70	70	-	8	4	0	-	-	-	-	55	1,058	1,059	819	0.411	0.421	0.416	0.396	23	446	441	325
4	16	4	98	1,129	1,120	1,117	-	-	-	-	47	-	-	-	-	-	-	-	-	9	9	256	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,042	1,037	790	0.412	0.422	0.415	0.397	21	440	431	313
4	16	5	97	1,114	1,096	1,085	-	-	-	-	50	-	-	-	-	-	-	-	-	9	9	256	-	70	70	70	-	11	7	1	-	-	-	-	47	1,024	1,009	758	0.413	0.422	0.415	0.399	20	432	419	302
4	16	6	99	1,127	1,103	1,087	-	-	-	-	50	-	-	-	-	-	-	-	0	28	28	275	-	70	70	70	-	9	6	6	-	-	-	-	49	1,019	999	736	0.413	0.422	0.415	0.398	20	431	415	293
4	16	7	103	1,170	1,142	1,124	-	-	-	-	47	-	-	-	-	-	-	-	1	17	20	269	-	70	70	70	-	0	(1)	(0)	-	-	-	-	56	1,083	1,053	785	0.415	0.337	0.332	0.391	23	365	350	307
4	16	8	108	1,223	1,196	1,181	-	-	-	-	41	-	-	-	-	-	-	-	12	495	530	809	-	70	70	70	-	(5)	(5)	7	-	-	-	-	55	663	601	296	0.414	0.280	0.320	0.311	23	186	192	92
4	16	9	115	1,317	1,296	1,288	-	-	-	-	37	-	-	-	-	-	-	-	24	916	998	1,318	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	55	337	234	(87)	0.391	0.000	0.007	0.000	21	-	2	-
4	16	10	123	1,405	1,386	1,379	-	-	-	-	35	-	-	-	-	-	-	-	49	2,182	2,308	2,668	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	39	(834)	(984)	(1,345)	0.392	0.000	0.000	0.000	15	-	-	-
4	16	11	128	1,469	1,451	1,445	-	-	-	-	35	-	-	-	-	-	-	-	61	2,721	2,878	3,265	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	33	(1,308)	(1,484)	(1,876)	0.389	0.000	0.000	0.000	13	-	-	-
4	16	12	131	1,509	1,492	1,486	-	-	-	-	34	-	-	-	-	-	-	-	65	2,856	3,028	3,430	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	33	(1,403)	(1,590)	(1,998)	0.386	0.000	0.000	0.000	13	-	-	-
4	16	13	133	1,535	1,522	1,520	-	-	-	-	33	-	-	-	-	-	-	-	67	2,892	3,076	3,488	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	34	(1,413)	(1,608)	(2,022)	0.385	0.000	0.000	0.000	13	-	-	-
4	16	14	134	1,549	1,540	1,541	-	-	-	-	33	-	-	-	-	-	-	-	61	2,645	2,814	3,213	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	40	(1,152)	(1,330)	(1,730)	0.383	0.000	0.000	0.000	15	-	-	-
4	16	15	135	1,564	1,558	1,562	-	-	-	-	34	-	-	-	-	-	-	-	63	2,814	2,973	3,363	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	39	(1,308)	(1,473)	(1,859)	0.385	0.000	0.000	0.000	15	-	-	-
4	16	16	137	1,590	1,593	1,604	-	-	-	-	36	-	-	-	-	-	-	-	52	2,406	2,533	2,894	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	48	(879)	(1,008)	(1,352)	0.412	0.000	0.007	0.000	20	-	(7)	-
4	16	17	138	1,607	1,617	1,636	-	-	-	-	40	-	-	-	-	-	-	-	39	1,890	1,968	2,285	-	70	70	70	-	(1)	(0)	4	-	-	-	-	59	(353)	(421)	(724)	0.410	0.238	0.314	0.270	24	(84)	(132)	(195)
4	16	18	138	1,620	1,640	1,666	-	-	-	-	46	-	-	-	-	-	-	-	12	660	677	939	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	892	894	656	0.413	0.425	0.419	0.406	33	379	375	266
4	16	19	139	1,636	1,659	1,687	-	-	-	-	51	-	-	-	-	-	-	-	0	47	47	294	-	70	70	70	-	5	10	8	-	-	-	-	88	1,514	1,532	1,316	0.416	0.422	0.413	0.402	37	640	633	529
4	16	20	143	1,684	1,710	1,743	-	-	-	-	50	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	6	7	15	-	-	-	-	93	1,569	1,594	1,372	0.421	0.432	0.422	0.405	39	677	672	555
4	16	21	147	1,731	1,761	1,795	-	-	-	-	51	-	-	-	-	-	-	-	-	37	37	284	-	70	70	70	-	9	2	6	-	-	-	-	95	1,616	1,652	1,436	0.418	0.424	0.413	0.404	40	685	682	579
4	16	22	141	1,662	1,693	1,728	-	-	-	-	52	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	4	3	7	-	-	-	-	89	1,538	1,570	1,354	0.414	0.421	0.411	0.401	37	648	646	543
4	16	23	131	1,548	1,577	1,610	-	-	-	-	51	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	5	11	5	-	-	-	-	80	1,420	1,444	1,236	0.413	0.420	0.411	0.397	33	597	594	491
4	16	24	130	1,525	1,549	1,577	-	-	-	-	49	-	-	-	-	-	-	-	-	42	42	289	-	70	70	70	-	2	4	4	-	-	-	-	80	1,411	1,432	1,213	0.412	0.422	0.412	0.396	33	595	590	481
4	17	1	110	1,282	1,293	1,308	-	-	-	-	48	-	-	-	-	-	-	-	-	34	34	281	-	70	70	70	-	5	4	4	-	-	-	-	61	1,173	1,185	952	0.411	0.421	0.415	0.397	25	494	492	378
4	17	2	103	1,199	1,202	1,211	-	-	-	-	46	-	-	-	-	-	-	-	-	30	30	277	-	70	70	70	-	3	5	1	-	-	-	-	57	1,096	1,098	863	0.411	0.422	0.413	0.397	23	462	454	342
4	17	3	99	1,141	1,138	1,140	-	-	-	-	45	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	8	4	0	-	-	-	-	53	1,032	1,033	792	0.411	0.421	0.416	0.396	22	435	430	314
4	17	4	96	1,104	1,094	1,090	-	-	-	-	47	-	-	-	-	-	-	-	-	34	34	281	-	70	70	70	-	8	3	(0)	-	-	-	-	49	993	987	739	0.412	0.422	0.415	0.397	20	419	410	293
4	17	5	95	1,083	1,064	1,052	-	-	-	-	50	-	-	-	-	-	-	-	-	26	26	273	-	70	70	70	-	11	7	1	-	-	-	-	45	975	960	708	0.413	0.422	0.415	0.399	18	412	399	282
4	17	6	95	1,081	1,056	1,039	-	-	-	-	50	-	-	-	-	-	-	-	3	246	246	493	-	70	70	70	-	9	6	6	-	-	-	-	42	756	735	471	0.413	0.422	0.415	0.398	17	319	305	187
4	17	7	97	1,096	1,066	1,046	-	-	-	-	47	-	-	-	-	-	-	-	21	1,341	1,346	1,598	-	70	70	70	-	0	(1)	(0)	-	-	-	-	29	(315)	(349)	(622)	0.415	0.337	0.332	0.391	12	(106)	(116)	(244)
4	17	8	100	1,135	1,106	1,089	-	-	-	-	41	-	-	-	-	-	-	-	40	2,136	2,191	2,487	-	70	70	70	-	(5)	(5)	7	-	-	-	-	20	(1,066)	(1,150)	(1,475)	0.414	0.280	0.320	0.311	8	(299)	(368)	(459)
4	17	9	108	1,224	1,201	1,190	-	-	-	-	37	-	-	-	-	-	-	-	53	2,611	2,719	3,063	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	18	(1,451)	(1,582)	(1,929)	0.391	0.000	0.007	0.000	7	-	(11)	-
4	17	10	115	1,313	1,291	1,283	-	-	-	-	35	-	-	-	-	-	-	-	61	2,816	2,963	3,342	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	20	(1,560)	(1,733)	(2,115)	0.392	0.000	0.000	0.000	8	-	-	-
4	17	11	122	1,395	1,375	1,367	-	-	-	-	35	-	-	-	-	-	-	-	64	2,876	3,041	3,436	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	24	(1,538)	(1,724)	(2,125)	0.389	0.000	0.000	0.000	9	-	-	-
4	17	12	128	1,465	1,447	1,440	-	-	-	-	34	-	-	-	-	-	-	-	65	2,901	3,075	3,477	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	29	(1,493)	(1,682)	(2,092)	0.386	0.000	0.000	0.000	11	-	-	-
4	17	13	132	1,522	1,509	1,506	-	-	-	-	33	-	-	-	-	-	-	-	65	2,913	3,089	3,494	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	34	(1,448)	(1,635)	(2,042)	0.385	0.000	0.000	0.000	13	-	-	-
4	17	14	136	1,572	1,563	1,565	-	-	-	-	33	-	-	-	-	-	-	-	64	2,903	3,070	3,466	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	39	(1,388)	(1,562)	(1,959)	0.383	0.000	0.000	0.000	15	-	-	-
4	17	15	141	1,626	1,622	1,627	-	-	-	-	34	-	-	-	-	-	-	-	60	2,815	2,960	3,336	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	47	(1,247)	(1,396)	(1,767)	0.385	0.000	0.000	0.000	18	-	-	-
4	17	16	145	1,682	1,687	1,701	-	-	-	-	36	-	-	-	-	-	-	-	51	2,495	2,608	2,955	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	58	(876)	(989)	(1,317)	0.412	0.000	0.007	0.000	24	-	(7)	-
4	17	17	147	1,722	1,736	1,758	-	-	-	-	40	-	-	-	-	-	-	-	35	1,832	1,899	2,205	-	70	70	70	-	(1)	(0)	4	-	-	-	-	72	(179)	(232)	(522)	0.410	0.238	0.314	0.270	30	(43)	(73)	(141)
4	17	18	148	1,742	1,765	1,794	-	-	-	-	46	-	-	-	-	-	-	-	9	587	601	861	-	70	70	70	-	(2)	(1)	2	-	-	-	-	93	1,087	1,094	861	0.413	0.425	0.419	0.406	38	462	458	350
4	17	19	149	1,749	1,775	1,807	-	-	-	-	51	-	-	-	-	-	-	-	0	96	96	343	-	70	70	70	-	5	10	8	-	-	-	-	98	1,579	1,599	1,386	0.416	0.422	0.413	0.402	41	667	660	557
4	17	20	153	1,801	1,830	1,865	-	-	-	-	50	-	-	-	-	-	-	-	-	83	83	330	-	70	70	70	-	6	7	15	-	-	-	-	103	1,642	1,670	1,451	0.421	0.432	0.422	0.405	43	709	704	587
4	17	21	156	1,840	1,872	1,909	-	-	-	-	51	-	-	-	-	-	-	-	-	71	71	318	-	70	70	70	-	9	2	6	-	-	-	-	105	1,690	1,729	1,516	0.418	0.424	0.413	0.404	44	716	714	612
4	17	22	148	1,746	1,778	1,815	-	-	-	-	52	-	-	-	-	-	-	-	-	69	69	316	-	70	70	70	-	4	3	7	-	-	-	-	96	1,603	1,637	1,423	0.414	0.421	0.411	0.401	40	676	673	570
4	17	23	134	1,585	1,615	1,649	-	-	-	-	51	-	-	-	-	-	-	-	-	70	70	317	-	70	70	70	-	5	11	5	-	-	-	-	83	1,439	1,463	1,257	0.413	0.420	0.411	0.397	34	605	602	499
4	17	24	129	1,516	1,539	1,567	-	-	-	-	49	-	-	-	-	-	-	-	-	69	69	316	-	70	70	70	-	2	4	4	-	-	-	-	80	1,374	1,395	1,176	0.412	0.422	0.412	0.396	33	580	574	466

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	18	1	108	1,269	1,279	1,294	-	-	-	-	48	-	-	-	-	-	-	-	-	62	62	309	-	70	70	70	-	5	4	4	-	-	-	-	60	1,132	1,144	911	0.411	0.421	0.415	0.397	25	477	475	362
4	18	2	102	1,188	1,191	1,199	-	-	-	-	46	-	-	-	-	-	-	-	-	51	51	298	-	70	70	70	-	3	5	1	-	-	-	-	56	1,065	1,066	830	0.411	0.422	0.413	0.397	23	449	441	329
4	18	3	98	1,138	1,134	1,136	-	-	-	-	45	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	8	4	0	-	-	-	-	53	1,002	1,003	762	0.411	0.421	0.416	0.396	22	422	417	302
4	18	4	97	1,115	1,105	1,102	-	-	-	-	47	-	-	-	-	-	-	-	-	70	70	317	-	70	70	70	-	8	3	(0)	-	-	-	-	50	967	962	714	0.412	0.422	0.415	0.397	21	408	399	283
4	18	5	98	1,126	1,108	1,098	-	-	-	-	50	-	-	-	-	-	-	-	-	79	79	326	-	70	70	70	-	11	7	1	-	-	-	-	48	966	952	701	0.413	0.422	0.415	0.399	20	408	395	280
4	18	6	105	1,202	1,180	1,166	-	-	-	-	50	-	-	-	-	-	-	-	4	321	321	568	-	70	70	70	-	9	6	6	-	-	-	-	51	802	783	522	0.413	0.422	0.415	0.398	21	339	325	208
4	18	7	116	1,327	1,302	1,288	-	-	-	-	47	-	-	-	-	-	-	-	21	1,369	1,374	1,626	-	70	70	70	-	0	(1)	(0)	-	-	-	-	48	(112)	(141)	(408)	0.415	0.337	0.332	0.391	20	(38)	(47)	(160)
4	18	8	125	1,432	1,411	1,401	-	-	-	-	41	-	-	-	-	-	-	-	40	2,162	2,217	2,514	-	70	70	70	-	(5)	(5)	7	-	-	-	-	45	(795)	(872)	(1,190)	0.414	0.280	0.320	0.311	19	(223)	(279)	(371)
4	18	9	132	1,518	1,502	1,499	-	-	-	-	37	-	-	-	-	-	-	-	54	2,677	2,785	3,129	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	42	(1,223)	(1,347)	(1,686)	0.391	0.000	0.007	0.000	16	-	(9)	-
4	18	10	141	1,618	1,605	1,604	-	-	-	-	35	-	-	-	-	-	-	-	61	2,826	2,973	3,352	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	45	(1,264)	(1,430)	(1,804)	0.392	0.000	0.000	0.000	18	-	-	-
4	18	11	149	1,715	1,703	1,703	-	-	-	-	35	-	-	-	-	-	-	-	64	2,907	3,076	3,475	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	50	(1,248)	(1,430)	(1,827)	0.389	0.000	0.000	0.000	19	-	-	-
4	18	12	155	1,792	1,782	1,784	-	-	-	-	34	-	-	-	-	-	-	-	66	2,959	3,140	3,549	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	55	(1,223)	(1,412)	(1,820)	0.386	0.000	0.000	0.000	21	-	-	-
4	18	13	161	1,857	1,852	1,858	-	-	-	-	33	-	-	-	-	-	-	-	67	2,976	3,160	3,572	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	61	(1,175)	(1,362)	(1,768)	0.385	0.000	0.000	0.000	24	-	-	-
4	18	14	166	1,927	1,926	1,937	-	-	-	-	33	-	-	-	-	-	-	-	66	2,965	3,146	3,554	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	67	(1,095)	(1,275)	(1,675)	0.383	0.000	0.000	0.000	26	-	-	-
4	18	15	170	1,977	1,981	1,996	-	-	-	-	34	-	-	-	-	-	-	-	63	2,898	3,059	3,450	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	73	(978)	(1,135)	(1,512)	0.385	0.000	0.000	0.000	28	-	-	-
4	18	16	174	2,031	2,044	2,067	-	-	-	-	36	-	-	-	-	-	-	-	55	2,638	2,765	3,126	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	83	(670)	(789)	(1,122)	0.412	0.000	0.007	0.000	34	-	(6)	-
4	18	17	176	2,065	2,087	2,117	-	-	-	-	40	-	-	-	-	-	-	-	39	1,947	2,025	2,343	-	70	70	70	-	(1)	(0)	4	-	-	-	-	98	50	(8)	(300)	0.410	0.238	0.314	0.270	40	12	(3)	(81)
4	18	18	175	2,054	2,084	2,121	-	-	-	-	46	-	-	-	-	-	-	-	11	637	655	917	-	70	70	70	-	(2)	(1)	2	-	-	-	-	118	1,349	1,360	1,132	0.413	0.425	0.419	0.406	49	573	570	460
4	18	19	172	2,019	2,051	2,090	-	-	-	-	51	-	-	-	-	-	-	-	0	78	78	325	-	70	70	70	-	5	10	8	-	-	-	-	121	1,866	1,893	1,687	0.416	0.422	0.413	0.402	50	788	782	678
4	18	20	174	2,046	2,081	2,123	-	-	-	-	50	-	-	-	-	-	-	-	-	56	56	303	-	70	70	70	-	6	7	15	-	-	-	-	123	1,914	1,948	1,735	0.421	0.432	0.422	0.405	52	826	821	702
4	18	21	174	2,049	2,086	2,129	-	-	-	-	51	-	-	-	-	-	-	-	-	53	53	300	-	70	70	70	-	9	2	6	-	-	-	-	122	1,917	1,961	1,753	0.418	0.424	0.413	0.404	51	812	810	707
4	18	22	162	1,914	1,951	1,992	-	-	-	-	52	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	4	3	7	-	-	-	-	110	1,801	1,839	1,630	0.414	0.421	0.411	0.401	46	759	756	653
4	18	23	145	1,709	1,742	1,780	-	-	-	-	51	-	-	-	-	-	-	-	-	25	25	272	-	70	70	70	-	5	11	5	-	-	-	-	94	1,608	1,636	1,432	0.413	0.420	0.411	0.397	39	676	673	569
4	18	24	150	1,764	1,793	1,828	-	-	-	-	49	-	-	-	-	-	-	-	-	18	18	265	-	70	70	70	-	2	4	4	-	-	-	-	101	1,673	1,701	1,488	0.412	0.422	0.412	0.396	41	706	700	590
4	19	1	116	1,362	1,375	1,392	-	-	-	-	48	-	-	-	-	-	-	-	-	13	13	260	-	70	70	70	-	5	4	4	-	-	-	-	68	1,274	1,288	1,058	0.411	0.421	0.415	0.397	28	537	535	420
4	19	2	109	1,268	1,273	1,283	-	-	-	-	46	-	-	-	-	-	-	-	-	5	5	252	-	70	70	70	-	3	5	1	-	-	-	-	62	1,190	1,193	960	0.411	0.422	0.413	0.397	26	502	493	381
4	19	3	104	1,207	1,205	1,209	-	-	-	-	45	-	-	-	-	-	-	-	-	1	1	248	-	70	70	70	-	8	4	0	-	-	-	-	59	1,128	1,131	891	0.411	0.421	0.416	0.396	24	475	470	353
4	19	4	102	1,177	1,169	1,167	-	-	-	-	47	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	8	3	(0)	-	-	-	-	55	1,100	1,096	850	0.412	0.422	0.415	0.397	23	464	455	337
4	19	5	103	1,181	1,164	1,155	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	11	7	1	-	-	-	-	53	1,100	1,087	838	0.413	0.422	0.415	0.399	22	464	451	334
4	19	6	109	1,247	1,226	1,214	-	-	-	-	50	-	-	-	-	-	-	-	3	204	204	451	-	70	70	70	-	9	6	6	-	-	-	-	56	964	946	687	0.413	0.422	0.415	0.398	23	407	393	273
4	19	7	120	1,372	1,349	1,336	-	-	-	-	47	-	-	-	-	-	-	-	19	1,169	1,174	1,425	-	70	70	70	-	0	(1)	(0)	-	-	-	-	54	133	106	(159)	0.415	0.337	0.332	0.391	23	45	35	(62)
4	19	8	129	1,473	1,452	1,444	-	-	-	-	41	-	-	-	-	-	-	-	37	1,997	2,046	2,337	-	70	70	70	-	(5)	(5)	7	-	-	-	-	51	(589)	(659)	(971)	0.414	0.280	0.320	0.311	21	(165)	(211)	(302)
4	19	9	135	1,550	1,535	1,533	-	-	-	-	37	-	-	-	-	-	-	-	51	2,540	2,635	2,967	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	47	(1,054)	(1,164)	(1,491)	0.391	0.000	0.007	0.000	18	-	(8)	-
4	19	10	144	1,652	1,639	1,639	-	-	-	-	35	-	-	-	-	-	-	-	58	2,710	2,839	3,201	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	51	(1,115)	(1,261)	(1,617)	0.392	0.000	0.000	0.000	20	-	-	-
4	19	11	152	1,754	1,743	1,744	-	-	-	-	35	-	-	-	-	-	-	-	61	2,774	2,924	3,306	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	56	(1,076)	(1,238)	(1,616)	0.389	0.000	0.000	0.000	22	-	-	-
4	19	12	159	1,840	1,831	1,834	-	-	-	-	34	-	-	-	-	-	-	-	63	2,800	2,959	3,348	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	63	(1,016)	(1,182)	(1,569)	0.386	0.000	0.000	0.000	24	-	-	-
4	19	13	165	1,909	1,905	1,912	-	-	-	-	33	-	-	-	-	-	-	-	62	2,780	2,932	3,315	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	71	(927)	(1,081)	(1,457)	0.385	0.000	0.000	0.000	27	-	-	-
4	19	14	171	1,982	1,983	1,995	-	-	-	-	33	-	-	-	-	-	-	-	59	2,738	2,875	3,246	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	78	(812)	(948)	(1,309)	0.383	0.000	0.000	0.000	30	-	-	-
4	19	15	176	2,052	2,058	2,075	-	-	-	-	34	-	-	-	-	-	-	-	56	2,679	2,795	3,145	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	87	(684)	(794)	(1,128)	0.385	0.000	0.000	0.000	34	-	-	-
4	19	16	180	2,103	2,118	2,142	-	-	-	-	36	-	-	-	-	-	-	-	47	2,410	2,491	2,810	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	97	(370)	(441)	(730)	0.412	0.000	0.007	0.000	40	-	(3)	-
4	19	17	181	2,117	2,140	2,171	-	-	-	-	40	-	-	-	-	-	-	-	31	1,708	1,751	2,036	-	70	70	70	-	(1)	(0)	4	-	-	-	-	109	340	319	61	0.410	0.238	0.314	0.270	45	81	100	17
4	19	18	178	2,098	2,129	2,168	-	-	-	-	46	-	-	-	-	-	-	-	14	817	827	1,082	-	70	70	70	-	(2)	(1)	2	-	-	-	-	119	1,214	1,234	1,014	0.413	0.425	0.419	0.406	49	515	517	412
4	19	19	174	2,054	2,087	2,126	-	-	-	-	51	-	-	-	-	-	-	-	0	55	55	302	-	70	70	70	-	5	10	8	-	-	-	-	123	1,924	1,952	1,747	0.416	0.422	0.413	0.402	51	813	806	702
4	19	20	175	2,063	2,098	2,140	-	-	-	-	50	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	6	7	15	-	-	-	-	125	1,935	1,970	1,757	0.421	0.432	0.422	0.405	52	835	830	711
4	19	21	175	2,063	2,101	2,144	-	-	-	-	51	-	-	-	-	-	-	-	-	51	51	298	-	70	70	70	-	9	2	6	-	-	-	-	123	1,934	1,978	1,770	0.418	0.424	0.413	0.404	52	819	817	714
4	19	22	163	1,930	1,967	2,009	-	-	-	-	52	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	4	3	7	-	-	-	-	111	1,806	1,844	1,635	0.414	0.421	0.411	0.401	46	761	758	655
4	19	23	145	1,718	1,752	1,790	-	-	-	-	51	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	5	11	5	-	-	-	-	95	1,603	1,630	1,427	0.413	0.420	0.411	0.397	39	674	671	567
4	19	24	153	1,808	1,839	1,874	-	-	-	-	49	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	2	4	4	-	-	-	-	104	1,703	1,732	1,520	0.412	0.422	0.412	0.396	43	718	713	602
4	20	1	117	1,370	1,383	1,401	-	-	-	-	48	-	-	-	-	-	-	-	-	43	43	290	-	70	70	70	-	5	4	4	-	-	-	-	69	1,252	1,266	1,036	0.411	0.421	0.415	0.397	28	528	525	411
4	20	2	109	1,275	1,281	1,291	-	-	-	-	46	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	3	5	1	-	-	-	-	63	1,151	1,154	921	0.411	0.422	0.413	0.397	26	485	477	365
4	20	3	104	1,211	1,209	1,213	-	-	-	-	45	-	-	-	-	-	-	-	-	48	48	295	-	70	70	70	-	8	4	0	-	-	-	-	59	1,085	1,087	848	0.411	0.421	0.416	0.396	24	457	452	336
4	20	4	102	1,173	1,165	1,163	-	-	-	-	47	-	-	-	-	-	-	-	-	48	48	295	-	70	70	70	-	8	3	(0)	-	-	-	-	55	1,048	1,044	798	0.412	0.422	0.415	0.397	23	442	434	317
4	20	5	102	1,171	1,154	1,145	-	-	-	-	50	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	11	7	1	-	-	-	-	52	1,040	1,027	777	0.413	0.422	0.415	0.399	22	439	426	310
4	20	6	109	1,245	1,224	1,211	-	-	-	-	50	-	-	-	-	-	-	-	0	62	62	309	-	70	70	70	-	9	6	6	-	-	-	-	59	1,104	1,086	826	0.413	0.422	0.415	0.398	24	466	451	329
4	20	7	119	1,359	1,335	1,322	-	-	-	-	47	-	-	-	-	-	-	-	1	63	66	315	-	70	70	70	-	0	(1)	(0)	-	-	-	-	72	1,225	1,200	937	0.415	0.337	0.332	0.391	30	413	398	367
4	20	8	128	1,462	1,441	1,432	-	-	-	-	41	-	-	-	-	-	-	-	6	305	327	593	-	70	70	70	-	(5)	(5)	7	-	-	-	-	81	1,093	1,049	762	0.414	0.280	0.320	0.311	33	306	336	237
4	20	9	134	1,543	1,527	1,525	-	-	-	-	37	-	-	-	-	-	-	-	13	549	595	883	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	85	930	868	585	0.391	0.000	0.007	0.000	33	-	6	-
4	20	10	143	1,642	1,629	1,629	-	-	-	-	35	-	-	-	-	-	-	-	20	849	913	1,218	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	88	737	655	355	0.392	0.000	0.000	0.000	34	-	-	-
4	20	11	150	1,733	1,721	1,722	-	-	-	-	35	-	-	-	-	-	-	-	31	1,445	1,522	1,837	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	85	231	142	(171)	0.389	0.000	0.000	0.000	33	-	-	-
4	20	12	157	1,809	1,799	1,801	-	-	-	-	34	-	-	-	-	-	-	-	35	1,656	1,743	2,069	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	88	97	2	(323)	0.386	0.000	0.000	0.000	34	-	-	-
4	20	13	161	1,866	1,861	1,867	-	-	-	-	33	-	-	-	-	-	-	-	29	1,231	1,320	1,647	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	100	579	486	166	0.385	0.000	0.000	0.000	39	-	-	-
4	20	14	167	1,935	1,935	1,946	-	-	-	-	33	-	-	-	-	-	-	-	25	998	1,084	1,409	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	109	881	795	479	0.383	0.000	0.000	0.000	42	-	-	-
4	20	15	171	1,988	1,992	2,007	-	-	-	-	34	-	-	-	-	-	-	-	22	855	936	1,255	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	116	1,076	999	693	0.385	0.000	0.000	0.000	45	-	-	-
4	20	16	174	2,032	2,045	2,068	-	-	-	-	36	-	-	-	-	-	-	-	18	728	793	1,099	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	120	1,241	1,184	907	0.412	0.000	0.007	0.000	49	-	9	-
4	20	17	174	2,043	2,064	2,094	-	-	-	-	40	-	-	-	-	-	-	-	16	775	820	1,108	-	70	70	70	-	(1)	(0)	4	-	-	-	-	118	1,199	1,174	911	0.410	0.238	0.314	0.270	48	285	368	246
4	20	18	172	2,019	2,048	2,085	-	-	-	-	46	-	-	-	-	-	-	-	7	418	432	692	-	70	70	70	-	(2)	(1)	2	-	-	-	-	118	1,534	1,547	1,321	0.413	0.425	0.419	0.406	49	651	648	536
4	20	19	167	1,962	1,992	2,030	-	-	-	-	51	-	-	-	-	-	-	-	0	49	49	296	-	70	70	70	-	5	10	8	-	-	-	-	116	1,838	1,864	1,656	0.416	0.422	0.413	0.402	48	777	770	666
4	20	20	168	1,979	2,012	2,052	-	-	-	-	50	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	6	7	15	-	-	-	-	118	1,848	1,881	1,666	0.421	0.432	0.422	0.405	49	798	793	674
4	20	21	169	1,995	2,031	2,072	-	-	-	-	51	-	-	-	-	-	-	-	-	56	56	303	-	70	70	70	-	9	2	6	-	-	-	-	118	1,861	1,903	1,693	0.418	0.424	0.413	0.404	49	788	786	683
4	20	22	159	1,874	1,909	1,950	-	-	-	-	52	-	-	-	-	-	-	-	-	59	59	306	-	70	70	70	-	4	3	7	-	-	-	-	107	1,740	1,777	1,567	0.414	0.421	0.411	0.401	44	734	731	628
4	20	23	142	1,683	1,715	1,752	-	-	-	-	51	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	5	11	5	-	-	-	-	91	1,558	1,585	1,381	0.413	0.420	0.411	0.397	38	655	652	548
4	20	24	150	1,765	1,795	1,829	-	-	-	-	49	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	2	4	4	-	-	-	-	101	1,653	1,681	1,467	0.412	0.422	0.412	0.396	41	697	692	581
4	21	1	115	1,350	1,363	1,380	-	-	-	-	48	-	-	-	-	-	-	-	-	43	43	290	-	70	70	70	-	5	4	4	-	-	-	-	67	1,232	1,246	1,015	0.411	0.421	0.415	0.397	28	519	517	403
4	21	2	108	1,255	1,260	1,270	-	-	-	-	46	-	-	-	-	-	-	-	-	44	44	291	-	70	70	70	-	3	5	1	-	-	-	-	61	1,138	1,141	907	0.411	0.422	0.413	0.397	25	480	472	360
4	21	3	103	1,191	1,189	1,193	-	-	-	-	45	-	-	-	-	-	-	-	-	40	40	287	-	70	70	70	-	8	4	0	-	-	-	-	58	1,073	1,075	836	0.411	0.421	0.416	0.396	24	452	447	331
4	21	4	101	1,164	1,155	1,153	-	-	-	-	47	-	-	-	-	-	-	-	-	41	41	288	-	70	70	70	-	8	3	(0)	-	-	-	-	54	1,046	1,042	795	0.412	0.422	0.415	0.397	22	441	433	316
4	21	5	102	1,164	1,147	1,137	-	-	-	-	50	-	-	-	-	-	-	-	-	34	34	281	-	70	70	70	-	11	7	1	-	-	-	-	52	1,049	1,035	786	0.413	0.422	0.415	0.399	21	443	430	313
4	21	6	107	1,224	1,203	1,189	-	-	-	-	50	-	-	-	-	-	-	-	5	358	358	605	-	70	70	70	-	9	6	6	-	-	-	-	52	787	769	508	0.413	0.422	0.415	0.398	21	332	319	202
4	21	7	119	1,353	1,329	1,315	-	-	-	-	47	-	-	-	-	-	-	-	23	1,425	1,432	1,685	-	70	70	70	-	0	(1)	(0)	-	-	-	-	49	(143)	(173)	(440)	0.415	0.337	0.332	0.391	20	(48)	(57)	(172)
4	21	8	127	1,447	1,426	1,417	-	-	-	-	41	-	-	-	-	-	-	-	41	2,189	2,245	2,542	-	70	70	70	-	(5)	(5)	7	-	-	-	-	45	(807)	(884)	(1,202)	0.414	0.280	0.320	0.311	19	(226)	(283)	(374)
4	21	9	133	1,522	1,506	1,503	-	-	-	-	37	-	-	-	-	-	-	-	54	2,642	2,746	3,086	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	42	(1,183)	(1,304)	(1,640)	0.391	0.000	0.007	0.000	17	-	(9)	-
4	21	10	140	1,607	1,593	1,592	-	-	-	-	35	-	-	-	-	-	-	-	59	2,739	2,877	3,247	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	46	(1,188)	(1,345)	(1,711)	0.392	0.000	0.000	0.000	18	-	-	-
4	21	11	147	1,688	1,675	1,675	-	-	-	-	35	-	-	-	-	-	-	-	61	2,770	2,919	3,299	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	51	(1,138)	(1,301)	(1,680)	0.389	0.000	0.000	0.000	20	-	-	-
4	21	12	152	1,748	1,736	1,737	-	-	-	-	34	-	-	-	-	-	-	-	61	2,780	2,932	3,315	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	56	(1,089)	(1,250)	(1,633)	0.386	0.000	0.000	0.000	22	-	-	-
4	21	13	153	1,763	1,755	1,759	-	-	-	-	33	-	-	-	-	-	-	-	60	2,767	2,911	3,287	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	60	(1,061)	(1,211)	(1,583)	0.385	0.000	0.000	0.000	23	-	-	-
4	21	14	158	1,826	1,823	1,831	-	-	-	-	33	-	-	-	-	-	-	-	59	2,749	2,885	3,254	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	65	(980)	(1,118)	(1,481)	0.383	0.000	0.000	0.000	25	-	-	-
4	21	15	161	1,873	1,874	1,886	-	-	-	-	34	-	-	-	-	-	-	-	56	2,699	2,814	3,165	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	72	(883)	(998)	(1,338)	0.385	0.000	0.000	0.000	28	-	-	-
4	21	16	163	1,904	1,914	1,934	-	-	-	-	36	-	-	-	-	-	-	-	48	2,425	2,514	2,840	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	79	(584)	(667)	(970)	0.412	0.000	0.007	0.000	33	-	(5)	-
4	21	17	163	1,911	1,929	1,955	-	-	-	-	40	-	-	-	-	-	-	-	34	1,818	1,866	2,156	-	70	70	70	-	(1)	(0)	4	-	-	-	-	90	24	(7)	(276)	0.410	0.238	0.314	0.270	37	6	(2)	(74)
4	21	18	161	1,888	1,914	1,946	-	-	-	-	46	-	-	-	-	-	-	-	15	915	924	1,179	-	70	70	70	-	(2)	(1)	2	-	-	-	-	100	905	920	696	0.413	0.425	0.419	0.406	41	384	386	282
4	21	19	157	1,849	1,877	1,911	-	-	-	-	51	-	-	-	-	-	-	-	0	76	76	323	-	70	70	70	-	5	10	8	-	-	-	-	106	1,699	1,721	1,511	0.416	0.422	0.413	0.402	44	718	711	607
4	21	20	160	1,890	1,922	1,959	-	-	-	-	50	-	-	-	-	-	-	-	-	59	59	306	-	70	70	70	-	6	7	15	-	-	-	-	110	1,755	1,785	1,568	0.421	0.432	0.422	0.405	46	758	753	635
4	21	21	163	1,928	1,962	2,001	-	-	-	-	51	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	9	2	6	-	-	-	-	112	1,787	1,828	1,616	0.418	0.424	0.413	0.404	47	757	755	652
4	21	22	155	1,827	1,861	1,901	-	-	-	-	52	-	-	-	-	-	-	-	-	65	65	312	-	70	70	70	-	4	3	7	-	-	-	-	103	1,688	1,723	1,512	0.414	0.421	0.411	0.401	43	711	709	606
4	21	23	140	1,651	1,683	1,719	-	-	-	-	51	-	-	-	-	-	-	-	-	66	66	313	-	70	70	70	-	5	11	5	-	-	-	-	89	1,510	1,537	1,331	0.413	0.420	0.411	0.397	37	635	632	529
4	21	24	143	1,679	1,706	1,738	-	-	-	-	49	-	-	-	-	-	-	-	-	62	62	309	-	70	70	70	-	2	4	4	-	-	-	-	93	1,545	1,570	1,355	0.412	0.422	0.412	0.396	38	652	646	537
4	22	1	114	1,332	1,344	1,361	-	-	-	-	48	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	5	4	4	-	-	-	-	66	1,205	1,218	987	0.411	0.421	0.415	0.397	27	508	505	392
4	22	2	107	1,243	1,248	1,257	-	-	-	-	46	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	3	5	1	-	-	-	-	60	1,120	1,123	888	0.411	0.422	0.413	0.397	25	472	464	352
4	22	3	102	1,184	1,182	1,185	-	-	-	-	45	-	-	-	-	-	-	-	-	71	71	318	-	70	70	70	-	8	4	0	-	-	-	-	57	1,035	1,036	797	0.411	0.421	0.416	0.396	23	436	431	316
4	22	4	100	1,155	1,147	1,144	-	-	-	-	47	-	-	-	-	-	-	-	-	70	70	317	-	70	70	70	-	8	3	(0)	-	-	-	-	53	1,008	1,004	757	0.412	0.422	0.415	0.397	22	425	417	300
4	22	5	101	1,158	1,141	1,131	-	-	-	-	50	-	-	-	-	-	-	-	-	72	72	319	-	70	70	70	-	11	7	1	-	-	-	-	51	1,005	992	742	0.413	0.422	0.415	0.399	21	424	412	296
4	22	6	107	1,221	1,199	1,185	-	-	-	-	50	-	-	-	-	-	-	-	0	76	76	323	-	70	70	70	-	9	6	6	-	-	-	-	57	1,065	1,047	786	0.413	0.422	0.415	0.398	23	450	434	313
4	22	7	117	1,339	1,315	1,301	-	-	-	-	47	-	-	-	-	-	-	-	2	163	167	418	-	70	70	70	-	0	(1)	(0)	-	-	-	-	69	1,106	1,079	813	0.415	0.337	0.332	0.391	28	373	358	318
4	22	8	126	1,446	1,425	1,415	-	-	-	-	41	-	-	-	-	-	-	-	12	637	665	937	-	70	70	70	-	(5)	(5)	7	-	-	-	-	74	744	695	402	0.414	0.280	0.320	0.311	31	209	222	125
4	22	9	132	1,515	1,498	1,495	-	-	-	-	37	-	-	-	-	-	-	-	26	1,281	1,344	1,647	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	70	170	91	(208)	0.391	0.000	0.007	0.000	27	-	1	-
4	22	10	139	1,594	1,580	1,578	-	-	-	-	35	-	-	-	-	-	-	-	33	1,569	1,655	1,980	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	71	(32)	(137)	(457)	0.392	0.000	0.000	0.000	28	-	-	-
4	22	11	145	1,668	1,654	1,653	-	-	-	-	35	-	-	-	-	-	-	-	37	1,740	1,840	2,176	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	73	(128)	(242)	(578)	0.389	0.000	0.000	0.000	28	-	-	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	22	12	149	1,714	1,702	1,701	-	-	-	-	34	-	-	-	-	-	-	-	44	2,010	2,132	2,488	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	71	(352)	(484)	(842)	0.386	0.000	0.000	0.000	27	-	-	-
4	22	13	151	1,740	1,732	1,735	-	-	-	-	33	-	-	-	-	-	-	-	40	1,782	1,899	2,251	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	78	(98)	(222)	(571)	0.385	0.000	0.000	0.000	30	-	-	-
4	22	14	153	1,766	1,762	1,768	-	-	-	-	33	-	-	-	-	-	-	-	46	2,181	2,299	2,653	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	73	(471)	(593)	(942)	0.383	0.000	0.000	0.000	28	-	-	-
4	22	15	153	1,773	1,773	1,782	-	-	-	-	34	-	-	-	-	-	-	-	39	1,864	1,965	2,302	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	80	(147)	(249)	(578)	0.385	0.000	0.000	0.000	31	-	-	-
4	22	16	153	1,783	1,790	1,807	-	-	-	-	36	-	-	-	-	-	-	-	45	2,289	2,379	2,707	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	72	(569)	(657)	(963)	0.412	0.000	0.007	0.000	30	-	(5)	-
4	22	17	152	1,775	1,789	1,812	-	-	-	-	40	-	-	-	-	-	-	-	33	1,756	1,815	2,114	-	70	70	70	-	(1)	(0)	4	-	-	-	-	79	(51)	(95)	(376)	0.410	0.238	0.314	0.270	32	(12)	(30)	(101)
4	22	18	149	1,746	1,768	1,797	-	-	-	-	46	-	-	-	-	-	-	-	14	906	921	1,181	-	70	70	70	-	(2)	(1)	2	-	-	-	-	88	771	778	545	0.413	0.425	0.419	0.406	37	328	326	221
4	22	19	146	1,716	1,740	1,771	-	-	-	-	51	-	-	-	-	-	-	-	0	113	113	360	-	70	70	70	-	5	10	8	-	-	-	-	95	1,528	1,548	1,334	0.416	0.422	0.413	0.402	39	646	639	536
4	22	20	151	1,776	1,804	1,839	-	-	-	-	50	-	-	-	-	-	-	-	-	89	89	336	-	70	70	70	-	6	7	15	-	-	-	-	100	1,610	1,638	1,418	0.421	0.432	0.422	0.405	42	695	690	574
4	22	21	154	1,821	1,852	1,889	-	-	-	-	51	-	-	-	-	-	-	-	-	90	90	337	-	70	70	70	-	9	2	6	-	-	-	-	103	1,652	1,691	1,476	0.418	0.424	0.413	0.404	43	700	698	596
4	22	22	147	1,740	1,772	1,809	-	-	-	-	52	-	-	-	-	-	-	-	-	70	70	317	-	70	70	70	-	4	3	7	-	-	-	-	95	1,596	1,629	1,415	0.414	0.421	0.411	0.401	39	673	670	567
4	22	23	136	1,611	1,642	1,676	-	-	-	-	51	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	5	11	5	-	-	-	-	85	1,473	1,498	1,291	0.413	0.420	0.411	0.397	35	619	616	513
4	22	24	141	1,664	1,690	1,722	-	-	-	-	49	-	-	-	-	-	-	-	-	61	61	308	-	70	70	70	-	2	4	4	-	-	-	-	92	1,530	1,555	1,339	0.412	0.422	0.412	0.396	38	645	640	531
4	23	1	113	1,326	1,338	1,354	-	-	-	-	48	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	5	4	4	-	-	-	-	65	1,193	1,206	975	0.411	0.421	0.415	0.397	27	503	501	387
4	23	2	106	1,235	1,239	1,248	-	-	-	-	46	-	-	-	-	-	-	-	-	57	57	304	-	70	70	70	-	3	5	1	-	-	-	-	60	1,105	1,107	873	0.411	0.422	0.413	0.397	25	466	458	346
4	23	3	101	1,172	1,170	1,173	-	-	-	-	45	-	-	-	-	-	-	-	-	60	60	307	-	70	70	70	-	8	4	0	-	-	-	-	56	1,034	1,036	796	0.411	0.421	0.416	0.396	23	436	431	315
4	23	4	98	1,132	1,122	1,119	-	-	-	-	47	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	8	3	(0)	-	-	-	-	51	991	987	739	0.412	0.422	0.415	0.397	21	418	410	293
4	23	5	97	1,115	1,097	1,086	-	-	-	-	50	-	-	-	-	-	-	-	0	55	55	302	-	70	70	70	-	11	7	1	-	-	-	-	47	979	964	713	0.413	0.422	0.415	0.399	20	413	400	284
4	23	6	99	1,127	1,103	1,087	-	-	-	-	50	-	-	-	-	-	-	-	3	252	252	499	-	70	70	70	-	9	6	6	-	-	-	-	46	795	775	512	0.413	0.422	0.415	0.398	19	336	322	204
4	23	7	101	1,150	1,121	1,102	-	-	-	-	47	-	-	-	-	-	-	-	18	1,163	1,169	1,421	-	70	70	70	-	0	(1)	(0)	-	-	-	-	36	(84)	(117)	(388)	0.415	0.337	0.332	0.391	15	(28)	(39)	(152)
4	23	8	107	1,211	1,184	1,169	-	-	-	-	41	-	-	-	-	-	-	-	30	1,582	1,633	1,926	-	70	70	70	-	(5)	(5)	7	-	-	-	-	35	(436)	(514)	(834)	0.414	0.280	0.320	0.311	15	(122)	(165)	(260)
4	23	9	115	1,306	1,285	1,277	-	-	-	-	37	-	-	-	-	-	-	-	50	2,397	2,503	2,845	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	28	(1,154)	(1,282)	(1,625)	0.391	0.000	0.007	0.000	11	-	(9)	-
4	23	10	122	1,395	1,376	1,369	-	-	-	-	35	-	-	-	-	-	-	-	60	2,709	2,854	3,231	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	28	(1,371)	(1,539)	(1,917)	0.392	0.000	0.000	0.000	11	-	-	-
4	23	11	127	1,459	1,441	1,434	-	-	-	-	35	-	-	-	-	-	-	-	64	2,811	2,985	3,387	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	28	(1,408)	(1,601)	(2,008)	0.389	0.000	0.000	0.000	11	-	-	-
4	23	12	130	1,488	1,471	1,465	-	-	-	-	34	-	-	-	-	-	-	-	66	2,857	3,033	3,439	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	30	(1,424)	(1,616)	(2,029)	0.386	0.000	0.000	0.000	12	-	-	-
4	23	13	131	1,504	1,490	1,487	-	-	-	-	33	-	-	-	-	-	-	-	66	2,878	3,060	3,470	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	32	(1,430)	(1,624)	(2,037)	0.385	0.000	0.000	0.000	12	-	-	-
4	23	14	131	1,510	1,499	1,499	-	-	-	-	33	-	-	-	-	-	-	-	66	2,872	3,049	3,455	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	32	(1,418)	(1,605)	(2,013)	0.383	0.000	0.000	0.000	12	-	-	-
4	23	15	131	1,517	1,510	1,513	-	-	-	-	34	-	-	-	-	-	-	-	60	2,695	2,846	3,228	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	38	(1,234)	(1,393)	(1,774)	0.385	0.000	0.000	0.000	15	-	-	-
4	23	16	131	1,526	1,527	1,537	-	-	-	-	36	-	-	-	-	-	-	-	48	2,185	2,308	2,665	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	47	(722)	(849)	(1,192)	0.412	0.000	0.007	0.000	19	-	(6)	-
4	23	17	132	1,543	1,552	1,569	-	-	-	-	40	-	-	-	-	-	-	-	36	1,731	1,807	2,123	-	70	70	70	-	(1)	(0)	4	-	-	-	-	57	(257)	(325)	(628)	0.410	0.238	0.314	0.270	23	(61)	(102)	(169)
4	23	18	134	1,569	1,587	1,612	-	-	-	-	46	-	-	-	-	-	-	-	16	874	895	1,160	-	70	70	70	-	(2)	(1)	2	-	-	-	-	72	627	623	380	0.413	0.425	0.419	0.406	30	266	261	154
4	23	19	135	1,588	1,609	1,637	-	-	-	-	51	-	-	-	-	-	-	-	0	73	73	320	-	70	70	70	-	5	10	8	-	-	-	-	84	1,440	1,456	1,239	0.416	0.422	0.413	0.402	35	608	602	498
4	23	20	141	1,659	1,685	1,716	-	-	-	-	50	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	6	7	15	-	-	-	-	91	1,529	1,554	1,331	0.421	0.432	0.422	0.405	38	660	655	539
4	23	21	146	1,716	1,745	1,779	-	-	-	-	51	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	9	2	6	-	-	-	-	94	1,583	1,619	1,402	0.418	0.424	0.413	0.404	39	671	669	566
4	23	22	140	1,653	1,683	1,718	-	-	-	-	52	-	-	-	-	-	-	-	-	44	44	291	-	70	70	70	-	4	3	7	-	-	-	-	88	1,534	1,565	1,349	0.414	0.421	0.411	0.401	36	647	644	541
4	23	23	131	1,543	1,572	1,605	-	-	-	-	51	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	5	11	5	-	-	-	-	80	1,432	1,455	1,247	0.413	0.420	0.411	0.397	33	602	599	496
4	23	24	128	1,501	1,524	1,552	-	-	-	-	49	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	2	4	4	-	-	-	-	78	1,393	1,415	1,195	0.412	0.422	0.412	0.396	32	588	582	473
4	24	1	110	1,289	1,300	1,316	-	-	-	-	48	-	-	-	-	-	-	-	-	38	38	285	-	70	70	70	-	5	4	4	-	-	-	-	62	1,176	1,189	957	0.411	0.421	0.415	0.397	26	496	493	379
4	24	2	103	1,199	1,202	1,211	-	-	-	-	46	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	3	5	1	-	-	-	-	57	1,093	1,094	859	0.411	0.422	0.413	0.397	23	461	452	341
4	24	3	98	1,136	1,133	1,135	-	-	-	-	45	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	8	4	0	-	-	-	-	53	1,035	1,036	795	0.411	0.421	0.416	0.396	22	436	431	315
4	24	4	96	1,099	1,089	1,085	-	-	-	-	47	-	-	-	-	-	-	-	-	9	9	256	-	70	70	70	-	8	3	(0)	-	-	-	-	49	1,013	1,007	759	0.412	0.422	0.415	0.397	20	427	418	301
4	24	5	94	1,079	1,060	1,049	-	-	-	-	50	-	-	-	-	-	-	-	0	2	2	249	-	70	70	70	-	11	7	1	-	-	-	-	44	996	981	729	0.413	0.422	0.415	0.399	18	421	407	291
4	24	6	95	1,074	1,049	1,032	-	-	-	-	50	-	-	-	-	-	-	-	7	409	409	657	-	70	70	70	-	9	6	6	-	-	-	-	38	585	564	299	0.413	0.422	0.415	0.398	16	247	234	119
4	24	7	96	1,083	1,053	1,032	-	-	-	-	47	-	-	-	-	-	-	-	23	1,399	1,406	1,659	-	70	70	70	-	0	(1)	(0)	-	-	-	-	26	(386)	(422)	(696)	0.415	0.337	0.332	0.391	11	(130)	(140)	(273)
4	24	8	99	1,120	1,091	1,073	-	-	-	-	41	-	-	-	-	-	-	-	41	2,146	2,206	2,506	-	70	70	70	-	(5)	(5)	7	-	-	-	-	17	(1,090)	(1,179)	(1,509)	0.414	0.280	0.320	0.311	7	(306)	(378)	(470)
4	24	9	105	1,199	1,175	1,164	-	-	-	-	37	-	-	-	-	-	-	-	55	2,614	2,728	3,077	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	14	(1,479)	(1,617)	(1,970)	0.391	0.000	0.007	0.000	6	-	(11)	-
4	24	10	112	1,275	1,253	1,244	-	-	-	-	35	-	-	-	-	-	-	-	62	2,793	2,947	3,332	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	15	(1,574)	(1,755)	(2,143)	0.392	0.000	0.000	0.000	6	-	-	-
4	24	11	118	1,347	1,326	1,317	-	-	-	-	35	-	-	-	-	-	-	-	66	2,873	3,050	3,456	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	18	(1,582)	(1,781)	(2,194)	0.389	0.000	0.000	0.000	7	-	-	-
4	24	12	122	1,391	1,371	1,362	-	-	-	-	34	-	-	-	-	-	-	-	67	2,906	3,094	3,510	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	20	(1,571)	(1,777)	(2,203)	0.386	0.000	0.000	0.000	8	-	-	-
4	24	13	123	1,412	1,396	1,391	-	-	-	-	33	-	-	-	-	-	-	-	67	2,908	3,097	3,513	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	23	(1,552)	(1,755)	(2,176)	0.385	0.000	0.000	0.000	9	-	-	-
4	24	14	123	1,419	1,407	1,404	-	-	-	-	33	-	-	-	-	-	-	-	66	2,888	3,068	3,477	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	24	(1,525)	(1,717)	(2,130)	0.383	0.000	0.000	0.000	9	-	-	-
4	24	15	124	1,431	1,422	1,423	-	-	-	-	34	-	-	-	-	-	-	-	62	2,780	2,941	3,332	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	28	(1,406)	(1,576)	(1,968)	0.385	0.000	0.000	0.000	11	-	-	-
4	24	16	125	1,454	1,453	1,461	-	-	-	-	36	-	-	-	-	-	-	-	54	2,477	2,605	2,968	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	36	(1,086)	(1,220)	(1,569)	0.412	0.000	0.007	0.000	15	-	(9)	-
4	24	17	126	1,472	1,479	1,494	-	-	-	-	40	-	-	-	-	-	-	-	37	1,800	1,879	2,196	-	70	70	70	-	(1)	(0)	4	-	-	-	-	50	(398)	(469)	(776)	0.410	0.238	0.314	0.270	20	(95)	(147)	(209)
4	24	18	128	1,502	1,519	1,542	-	-	-	-	46	-	-	-	-	-	-	-	14	797	817	1,081	-	70	70	70	-	(2)	(1)	2	-	-	-	-	68	637	633	389	0.413	0.425	0.419	0.406	28	270	265	158
4	24	19	131	1,538	1,558	1,585	-	-	-	-	51	-	-	-	-	-	-	-	0	83	83	330	-	70	70	70	-	5	10	8	-	-	-	-	80	1,380	1,395	1,177	0.416	0.422	0.413	0.402	33	583	576	473
4	24	20	139	1,635	1,660	1,691	-	-	-	-	50	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	6	7	15	-	-	-	-	89	1,507	1,531	1,307	0.421	0.432	0.422	0.405	37	650	645	529
4	24	21	145	1,704	1,732	1,766	-	-	-	-	51	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	9	2	6	-	-	-	-	93	1,589	1,625	1,407	0.418	0.424	0.413	0.404	39	673	671	568
4	24	22	138	1,628	1,657	1,691	-	-	-	-	52	-	-	-	-	-	-	-	-	27	27	274	-	70	70	70	-	4	3	7	-	-	-	-	86	1,527	1,557	1,341	0.414	0.421	0.411	0.401	36	643	640	537
4	24	23	126	1,489	1,517	1,549	-	-	-	-	51	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	5	11	5	-	-	-	-	75	1,386	1,408	1,199	0.413	0.420	0.411	0.397	31	583	579	476
4	24	24	120	1,418	1,439	1,464	-	-	-	-	49	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	2	4	4	-	-	-	-	71	1,322	1,342	1,119	0.412	0.422	0.412	0.396	29	558	552	444
4	25	1	105	1,228	1,238	1,252	-	-	-	-	48	-	-	-	-	-	-	-	-	20	20	267	-	70	70	70	-	5	4	4	-	-	-	-	57	1,134	1,144	911	0.411	0.421	0.415	0.397	23	478	475	361
4	25	2	99	1,156	1,158	1,165	-	-	-	-	46	-	-	-	-	-	-	-	-	13	13	260	-	70	70	70	-	3	5	1	-	-	-	-	53	1,070	1,071	834	0.411	0.422	0.413	0.397	22	451	443	331
4	25	3	96	1,111	1,107	1,109	-	-	-	-	45	-	-	-	-	-	-	-	-	6	6	253	-	70	70	70	-	8	4	0	-	-	-	-	51	1,028	1,028	786	0.411	0.421	0.416	0.396	21	433	427	312
4	25	4	95	1,092	1,082	1,078	-	-	-	-	47	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	8	3	(0)	-	-	-	-	48	1,014	1,008	760	0.412	0.422	0.415	0.397	20	428	419	302
4	25	5	97	1,108	1,090	1,079	-	-	-	-	50	-	-	-	-	-	-	-	0	0	0	247	-	70	70	70	-	11	7	1	-	-	-	-	47	1,027	1,012	761	0.413	0.422	0.415	0.399	19	434	420	303
4	25	6	104	1,185	1,163	1,148	-	-	-	-	50	-	-	-	-	-	-	-	7	453	453	700	-	70	70	70	-	9	6	6	-	-	-	-	47	653	634	372	0.413	0.422	0.415	0.398	19	276	263	148
4	25	7	115	1,315	1,290	1,275	-	-	-	-	47	-	-	-	-	-	-	-	23	1,389	1,396	1,649	-	70	70	70	-	0	(1)	(0)	-	-	-	-	46	(145)	(175)	(444)	0.415	0.337	0.332	0.391	19	(49)	(58)	(174)
4	25	8	125	1,424	1,402	1,392	-	-	-	-	41	-	-	-	-	-	-	-	40	2,090	2,149	2,448	-	70	70	70	-	(5)	(5)	7	-	-	-	-	44	(731)	(812)	(1,133)	0.414	0.280	0.320	0.311	18	(205)	(260)	(353)
4	25	9	130	1,491	1,475	1,471	-	-	-	-	37	-	-	-	-	-	-	-	52	2,510	2,619	2,965	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	41	(1,082)	(1,209)	(1,550)	0.391	0.000	0.007	0.000	16	-	(8)	-
4	25	10	136	1,559	1,544	1,541	-	-	-	-	35	-	-	-	-	-	-	-	61	2,763	2,909	3,287	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	41	(1,261)	(1,427)	(1,801)	0.392	0.000	0.000	0.000	16	-	-	-
4	25	11	140	1,610	1,595	1,593	-	-	-	-	35	-	-	-	-	-	-	-	64	2,825	2,993	3,389	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	41	(1,272)	(1,454)	(1,852)	0.389	0.000	0.000	0.000	16	-	-	-
4	25	12	142	1,637	1,623	1,621	-	-	-	-	34	-	-	-	-	-	-	-	65	2,852	3,028	3,433	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	43	(1,271)	(1,459)	(1,867)	0.386	0.000	0.000	0.000	17	-	-	-
4	25	13	143	1,645	1,635	1,635	-	-	-	-	33	-	-	-	-	-	-	-	65	2,838	3,010	3,411	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	45	(1,250)	(1,430)	(1,830)	0.385	0.000	0.000	0.000	17	-	-	-
4	25	14	143	1,652	1,645	1,649	-	-	-	-	33	-	-	-	-	-	-	-	63	2,804	2,964	3,355	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	47	(1,209)	(1,375)	(1,763)	0.383	0.000	0.000	0.000	18	-	-	-
4	25	15	142	1,647	1,644	1,650	-	-	-	-	34	-	-	-	-	-	-	-	58	2,676	2,813	3,183	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,086)	(1,227)	(1,592)	0.385	0.000	0.000	0.000	20	-	-	-
4	25	16	141	1,640	1,644	1,657	-	-	-	-	36	-	-	-	-	-	-	-	50	2,415	2,521	2,864	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(837)	(945)	(1,270)	0.412	0.000	0.007	0.000	23	-	(7)	-
4	25	17	140	1,632	1,643	1,662	-	-	-	-	40	-	-	-	-	-	-	-	37	1,877	1,945	2,252	-	70	70	70	-	(1)	(0)	4	-	-	-	-	63	(314)	(371)	(664)	0.410	0.238	0.314	0.270	26	(75)	(116)	(179)
4	25	18	139	1,634	1,653	1,680	-	-	-	-	46	-	-	-	-	-	-	-	13	756	773	1,034	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	810	812	574	0.413	0.425	0.419	0.406	33	344	340	233
4	25	19	141	1,655	1,678	1,708	-	-	-	-	51	-	-	-	-	-	-	-	0	78	78	325	-	70	70	70	-	5	10	8	-	-	-	-	90	1,502	1,520	1,305	0.416	0.422	0.413	0.402	37	634	628	524
4	25	20	148	1,743	1,770	1,804	-	-	-	-	50	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	6	7	15	-	-	-	-	98	1,612	1,640	1,419	0.421	0.432	0.422	0.405	41	696	691	574
4	25	21	153	1,807	1,838	1,874	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	9	2	6	-	-	-	-	102	1,678	1,716	1,501	0.418	0.424	0.413	0.404	43	711	709	606
4	25	22	145	1,717	1,749	1,785	-	-	-	-	52	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	4	3	7	-	-	-	-	93	1,598	1,631	1,417	0.414	0.421	0.411	0.401	39	674	671	568
4	25	23	132	1,557	1,587	1,620	-	-	-	-	51	-	-	-	-	-	-	-	-	41	41	288	-	70	70	70	-	5	11	5	-	-	-	-	81	1,441	1,465	1,257	0.413	0.420	0.411	0.397	33	606	603	499
4	25	24	135	1,585	1,610	1,639	-	-	-	-	49	-	-	-	-	-	-	-	-	42	42	289	-	70	70	70	-	2	4	4	-	-	-	-	85	1,470	1,494	1,276	0.412	0.422	0.412	0.396	35	620	615	506
4	26	1	109	1,275	1,285	1,301	-	-	-	-	48	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	5	4	4	-	-	-	-	61	1,164	1,176	943	0.411	0.421	0.415	0.397	25	491	488	374
4	26	2	103	1,201	1,205	1,213	-	-	-	-	46	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	3	5	1	-	-	-	-	57	1,095	1,097	862	0.411	0.422	0.413	0.397	23	462	454	342
4	26	3	100	1,153	1,150	1,153	-	-	-	-	45	-	-	-	-	-	-	-	-	36	36	283	-	70	70	70	-	8	4	0	-	-	-	-	54	1,039	1,040	799	0.411	0.421	0.416	0.396	22	438	432	317
4	26	4	98	1,133	1,124	1,120	-	-	-	-	47	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,023	1,018	771	0.412	0.422	0.415	0.397	21	432	423	306
4	26	5	100	1,146	1,129	1,119	-	-	-	-	50	-	-	-	-	-	-	-	0	28	28	275	-	70	70	70	-	11	7	1	-	-	-	-	50	1,037	1,023	773	0.413	0.422	0.415	0.399	21	438	425	308
4	26	6	107	1,219	1,197	1,184	-	-	-	-	50	-	-	-	-	-	-	-	5	356	356	604	-	70	70	70	-	9	6	6	-	-	-	-	52	783	765	504	0.413	0.422	0.415	0.398	21	331	317	200
4	26	7	119	1,354	1,331	1,317	-	-	-	-	47	-	-	-	-	-	-	-	19	1,164	1,171	1,424	-	70	70	70	-	0	(1)	(0)	-	-	-	-	53	120	90	(177)	0.415	0.337	0.332	0.391	22	40	30	(69)
4	26	8	127	1,454	1,433	1,423	-	-	-	-	41	-	-	-	-	-	-	-	35	1,788	1,846	2,144	-	70	70	70	-	(5)	(5)	7	-	-	-	-	52	(399)	(478)	(797)	0.414	0.280	0.320	0.311	21	(112)	(153)	(248)
4	26	9	131	1,507	1,491	1,487	-	-	-	-	37	-	-	-	-	-	-	-	49	2,334	2,445	2,791	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	45	(891)	(1,018)	(1,360)	0.391	0.000	0.007	0.000	18	-	(7)	-
4	26	10	136	1,559	1,544	1,541	-	-	-	-	35	-	-	-	-	-	-	-	61	2,790	2,937	3,316	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	40	(1,288)	(1,455)	(1,830)	0.392	0.000	0.000	0.000	16	-	-	-
4	26	11	139	1,603	1,588	1,585	-	-	-	-	35	-	-	-	-	-	-	-	64	2,853	3,023	3,423	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	40	(1,307)	(1,493)	(1,893)	0.389	0.000	0.000	0.000	16	-	-	-
4	26	12	141	1,626	1,612	1,610	-	-	-	-	34	-	-	-	-	-	-	-	66	2,884	3,064	3,473	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	41	(1,313)	(1,506)	(1,919)	0.386	0.000	0.000	0.000	16	-	-	-
4	26	13	142	1,636	1,626	1,627	-	-	-	-	33	-	-	-	-	-	-	-	65	2,874	3,051	3,456	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	44	(1,294)	(1,479)	(1,884)	0.385	0.000	0.000	0.000	17	-	-	-
4	26	14	143	1,652	1,645	1,649	-	-	-	-	33	-	-	-	-	-	-	-	61	2,633	2,806	3,209	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	48	(1,037)	(1,217)	(1,618)	0.383	0.000	0.000	0.000	19	-	-	-
4	26	15	143	1,658	1,655	1,662	-	-	-	-	34	-	-	-	-	-	-	-	60	2,708	2,861	3,246	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	49	(1,106)	(1,264)	(1,643)	0.385	0.000	0.000	0.000	19	-	-	-
4	26	16	143	1,661	1,665	1,679	-	-	-	-	36	-	-	-	-	-	-	-	52	2,378	2,504	2,863	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(780)	(906)	(1,247)	0.412	0.000	0.007	0.000	23	-	(7)	-
4	26	17	142	1,660	1,673	1,693	-	-	-	-	40	-	-	-	-	-	-	-	33	1,554	1,630	1,945	-	70	70	70	-	(1)	(0)	4	-	-	-	-	69	37	(27)	(327)	0.410	0.238	0.314	0.270	28	9	(8)	(88)
4	26	18	141	1,654	1,674	1,701	-	-	-	-	46	-	-	-	-	-	-	-	14	795	814	1,077	-	70	70	70	-	(2)	(1)	2	-	-	-	-	81	791	792	552	0.413	0.425	0.419	0.406	33	336	332	224
4	26	19	141	1,658	1,682	1,711	-	-	-	-	51	-	-	-	-	-	-	-	0	85	85	332	-	70	70	70	-	5	10	8	-	-	-	-	90	1,499	1,517	1,301	0.416	0.422	0.413	0.402	37	633	626	523
4	26	20	149	1,750	1,778	1,812	-	-	-	-	50	-	-	-	-	-	-	-	-	64	64	311	-	70	70	70	-	6	7	15	-	-	-	-	98	1,609	1,637	1,416	0.421	0.432	0.422	0.405	41	695	690	573
4	26	21	154	1,816	1,847	1,884	-	-	-	-	51	-	-	-	-	-	-	-	-	62	62	309	-	70	70	70	-	9	2	6	-	-	-	-	103	1,676	1,714	1,500	0.418	0.424	0.413	0.404	43	710	708	605
4	26	22	147	1,730	1,763	1,799	-	-	-	-	52	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	4	3	7	-	-	-	-	95	1,602	1,635	1,421	0.414	0.421	0.411	0.401	39	675	672	570

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
4	26	23	132	1,564	1,594	1,628	-	-	-	-	51	-	-	-	-	-	-	-	-	33	33	280	-	70	70	70	-	5	11	5	-	-	-	-	82	1,456	1,480	1,272	0.413	0.420	0.411	0.397	34	612	609	505
4	26	24	135	1,591	1,616	1,646	-	-	-	-	49	-	-	-	-	-	-	-	-	30	30	277	-	70	70	70	-	2	4	4	-	-	-	-	86	1,488	1,511	1,294	0.412	0.422	0.412	0.396	35	628	622	513
4	27	1	110	1,285	1,297	1,312	-	-	-	-	48	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	5	4	4	-	-	-	-	62	1,180	1,192	960	0.411	0.421	0.415	0.397	25	497	495	381
4	27	2	104	1,206	1,210	1,218	-	-	-	-	46	-	-	-	-	-	-	-	-	18	18	265	-	70	70	70	-	3	5	1	-	-	-	-	57	1,115	1,117	882	0.411	0.422	0.413	0.397	24	470	462	350
4	27	3	100	1,156	1,153	1,155	-	-	-	-	45	-	-	-	-	-	-	-	-	7	7	254	-	70	70	70	-	8	4	0	-	-	-	-	55	1,071	1,072	831	0.411	0.421	0.416	0.396	22	451	446	329
4	27	4	99	1,136	1,127	1,124	-	-	-	-	47	-	-	-	-	-	-	-	-	5	5	252	-	70	70	70	-	8	3	(0)	-	-	-	-	52	1,054	1,050	803	0.412	0.422	0.415	0.397	21	445	436	318
4	27	5	100	1,146	1,129	1,119	-	-	-	-	50	-	-	-	-	-	-	-	0	4	4	251	-	70	70	70	-	11	7	1	-	-	-	-	50	1,061	1,047	797	0.413	0.422	0.415	0.399	21	448	435	318
4	27	6	107	1,223	1,202	1,189	-	-	-	-	50	-	-	-	-	-	-	-	6	408	408	656	-	70	70	70	-	9	6	6	-	-	-	-	51	736	718	457	0.413	0.422	0.415	0.398	21	311	298	182
4	27	7	118	1,348	1,324	1,311	-	-	-	-	47	-	-	-	-	-	-	-	22	1,349	1,357	1,611	-	70	70	70	-	0	(1)	(0)	-	-	-	-	49	(72)	(102)	(370)	0.415	0.337	0.332	0.391	20	(24)	(34)	(145)
4	27	8	126	1,440	1,419	1,410	-	-	-	-	41	-	-	-	-	-	-	-	40	2,086	2,146	2,446	-	70	70	70	-	(5)	(5)	7	-	-	-	-	45	(710)	(792)	(1,113)	0.414	0.280	0.320	0.311	19	(199)	(254)	(347)
4	27	9	130	1,494	1,477	1,474	-	-	-	-	37	-	-	-	-	-	-	-	53	2,534	2,646	2,992	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	41	(1,104)	(1,232)	(1,575)	0.391	0.000	0.007	0.000	16	-	(8)	-
4	27	10	135	1,554	1,539	1,536	-	-	-	-	35	-	-	-	-	-	-	-	61	2,770	2,919	3,299	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	40	(1,273)	(1,442)	(1,818)	0.392	0.000	0.000	0.000	16	-	-	-
4	27	11	140	1,606	1,592	1,589	-	-	-	-	35	-	-	-	-	-	-	-	63	2,769	2,938	3,336	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	42	(1,219)	(1,404)	(1,802)	0.389	0.000	0.000	0.000	16	-	-	-
4	27	12	143	1,640	1,627	1,625	-	-	-	-	34	-	-	-	-	-	-	-	66	2,862	3,043	3,453	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	42	(1,277)	(1,470)	(1,883)	0.386	0.000	0.000	0.000	16	-	-	-
4	27	13	144	1,656	1,646	1,647	-	-	-	-	33	-	-	-	-	-	-	-	66	2,871	3,053	3,464	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	45	(1,271)	(1,462)	(1,871)	0.385	0.000	0.000	0.000	17	-	-	-
4	27	14	145	1,671	1,665	1,669	-	-	-	-	33	-	-	-	-	-	-	-	64	2,816	2,989	3,391	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	47	(1,201)	(1,379)	(1,780)	0.383	0.000	0.000	0.000	18	-	-	-
4	27	15	145	1,677	1,675	1,682	-	-	-	-	34	-	-	-	-	-	-	-	60	2,680	2,835	3,221	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,059)	(1,218)	(1,598)	0.385	0.000	0.000	0.000	20	-	-	-
4	27	16	144	1,674	1,679	1,693	-	-	-	-	36	-	-	-	-	-	-	-	52	2,371	2,495	2,852	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	56	(760)	(884)	(1,222)	0.412	0.000	0.007	0.000	23	-	(6)	-
4	27	17	143	1,667	1,679	1,699	-	-	-	-	40	-	-	-	-	-	-	-	36	1,755	1,830	2,145	-	70	70	70	-	(1)	(0)	4	-	-	-	-	66	(158)	(221)	(520)	0.410	0.238	0.314	0.270	27	(38)	(69)	(140)
4	27	18	141	1,656	1,677	1,704	-	-	-	-	46	-	-	-	-	-	-	-	16	903	922	1,186	-	70	70	70	-	(2)	(1)	2	-	-	-	-	79	686	686	446	0.413	0.425	0.419	0.406	33	291	287	181
4	27	19	141	1,656	1,679	1,709	-	-	-	-	51	-	-	-	-	-	-	-	1	67	67	314	-	70	70	70	-	5	10	8	-	-	-	-	89	1,515	1,533	1,317	0.416	0.422	0.413	0.402	37	640	633	530
4	27	20	148	1,744	1,772	1,805	-	-	-	-	50	-	-	-	-	-	-	-	-	23	23	270	-	70	70	70	-	6	7	15	-	-	-	-	98	1,644	1,672	1,451	0.421	0.432	0.422	0.405	41	710	705	587
4	27	21	153	1,808	1,839	1,875	-	-	-	-	51	-	-	-	-	-	-	-	-	19	19	266	-	70	70	70	-	9	2	6	-	-	-	-	102	1,711	1,749	1,534	0.418	0.424	0.413	0.404	43	725	722	619
4	27	22	146	1,725	1,757	1,793	-	-	-	-	52	-	-	-	-	-	-	-	-	14	14	261	-	70	70	70	-	4	3	7	-	-	-	-	94	1,636	1,669	1,455	0.414	0.421	0.411	0.401	39	689	686	583
4	27	23	132	1,560	1,589	1,623	-	-	-	-	51	-	-	-	-	-	-	-	-	8	8	255	-	70	70	70	-	5	11	5	-	-	-	-	81	1,476	1,500	1,293	0.413	0.420	0.411	0.397	33	621	617	514
4	27	24	136	1,598	1,624	1,653	-	-	-	-	49	-	-	-	-	-	-	-	-	4	4	251	-	70	70	70	-	2	4	4	-	-	-	-	87	1,522	1,545	1,328	0.412	0.422	0.412	0.396	36	642	636	526
4	28	1	109	1,277	1,288	1,303	-	-	-	-	48	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	5	4	4	-	-	-	-	61	1,202	1,214	982	0.411	0.421	0.415	0.397	25	507	504	389
4	28	2	103	1,199	1,202	1,211	-	-	-	-	46	-	-	-	-	-	-	-	-	0	0	247	-	70	70	70	-	3	5	1	-	-	-	-	57	1,126	1,128	892	0.411	0.422	0.413	0.397	23	475	466	354
4	28	3	99	1,150	1,147	1,149	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	4	0	-	-	-	-	54	1,072	1,072	832	0.411	0.421	0.416	0.396	22	452	446	330
4	28	4	98	1,126	1,116	1,113	-	-	-	-	47	-	-	-	-	-	-	-	-	-	-	247	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,048	1,043	796	0.412	0.422	0.415	0.397	21	442	433	316
4	28	5	99	1,136	1,119	1,109	-	-	-	-	50	-	-	-	-	-	-	-	0	0	0	247	-	70	70	70	-	11	7	1	-	-	-	-	49	1,055	1,041	791	0.413	0.422	0.415	0.399	20	446	432	315
4	28	6	106	1,210	1,188	1,174	-	-	-	-	50	-	-	-	-	-	-	-	6	381	381	629	-	70	70	70	-	9	6	6	-	-	-	-	50	749	731	469	0.413	0.422	0.415	0.398	21	317	303	187
4	28	7	118	1,341	1,317	1,302	-	-	-	-	47	-	-	-	-	-	-	-	22	1,332	1,340	1,594	-	70	70	70	-	0	(1)	(0)	-	-	-	-	49	(61)	(92)	(361)	0.415	0.337	0.332	0.391	20	(21)	(31)	(141)
4	28	8	126	1,438	1,416	1,407	-	-	-	-	41	-	-	-	-	-	-	-	39	2,045	2,103	2,403	-	70	70	70	-	(5)	(5)	7	-	-	-	-	46	(671)	(752)	(1,073)	0.414	0.280	0.320	0.311	19	(188)	(241)	(334)
4	28	9	130	1,494	1,477	1,473	-	-	-	-	37	-	-	-	-	-	-	-	52	2,468	2,576	2,921	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	42	(1,038)	(1,163)	(1,504)	0.391	0.000	0.007	0.000	16	-	(8)	-
4	28	10	135	1,553	1,537	1,535	-	-	-	-	35	-	-	-	-	-	-	-	59	2,702	2,846	3,223	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	41	(1,206)	(1,371)	(1,744)	0.392	0.000	0.000	0.000	16	-	-	-
4	28	11	139	1,595	1,580	1,577	-	-	-	-	35	-	-	-	-	-	-	-	63	2,787	2,953	3,348	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	41	(1,248)	(1,429)	(1,826)	0.389	0.000	0.000	0.000	16	-	-	-
4	28	12	142	1,631	1,617	1,614	-	-	-	-	34	-	-	-	-	-	-	-	65	2,812	2,987	3,391	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	43	(1,237)	(1,424)	(1,832)	0.386	0.000	0.000	0.000	17	-	-	-
4	28	13	143	1,645	1,635	1,635	-	-	-	-	33	-	-	-	-	-	-	-	64	2,786	2,961	3,366	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	46	(1,197)	(1,381)	(1,785)	0.385	0.000	0.000	0.000	18	-	-	-
4	28	14	144	1,659	1,652	1,656	-	-	-	-	33	-	-	-	-	-	-	-	63	2,735	2,902	3,299	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	48	(1,132)	(1,305)	(1,700)	0.383	0.000	0.000	0.000	18	-	-	-
4	28	15	143	1,659	1,656	1,663	-	-	-	-	34	-	-	-	-	-	-	-	58	2,603	2,752	3,133	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,000)	(1,153)	(1,529)	0.385	0.000	0.000	0.000	20	-	-	-
4	28	16	142	1,654	1,658	1,671	-	-	-	-	36	-	-	-	-	-	-	-	50	2,298	2,417	2,771	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	56	(708)	(827)	(1,162)	0.412	0.000	0.007	0.000	23	-	(6)	-
4	28	17	141	1,649	1,660	1,680	-	-	-	-	40	-	-	-	-	-	-	-	35	1,701	1,773	2,084	-	70	70	70	-	(1)	(0)	4	-	-	-	-	66	(122)	(182)	(478)	0.410	0.238	0.314	0.270	27	(29)	(57)	(129)
4	28	18	140	1,643	1,663	1,690	-	-	-	-	46	-	-	-	-	-	-	-	16	889	907	1,170	-	70	70	70	-	(2)	(1)	2	-	-	-	-	78	686	687	448	0.413	0.425	0.419	0.406	32	291	288	182
4	28	19	140	1,642	1,665	1,694	-	-	-	-	51	-	-	-	-	-	-	-	1	75	75	322	-	70	70	70	-	5	10	8	-	-	-	-	88	1,492	1,510	1,294	0.416	0.422	0.413	0.402	37	630	624	520
4	28	20	147	1,727	1,754	1,788	-	-	-	-	50	-	-	-	-	-	-	-	-	46	46	293	-	70	70	70	-	6	7	15	-	-	-	-	96	1,605	1,632	1,411	0.421	0.432	0.422	0.405	41	693	688	571
4	28	21	153	1,803	1,834	1,870	-	-	-	-	51	-	-	-	-	-	-	-	-	58	58	305	-	70	70	70	-	9	2	6	-	-	-	-	101	1,667	1,705	1,490	0.418	0.424	0.413	0.404	42	706	704	601
4	28	22	146	1,725	1,756	1,793	-	-	-	-	52	-	-	-	-	-	-	-	-	54	54	301	-	70	70	70	-	4	3	7	-	-	-	-	94	1,596	1,629	1,415	0.414	0.421	0.411	0.401	39	673	670	567
4	28	23	133	1,568	1,598	1,632	-	-	-	-	51	-	-	-	-	-	-	-	-	49	49	296	-	70	70	70	-	5	11	5	-	-	-	-	82	1,443	1,468	1,260	0.413	0.420	0.411	0.397	34	607	604	501
4	28	24	136	1,597	1,622	1,652	-	-	-	-	49	-	-	-	-	-	-	-	-	45	45	292	-	70	70	70	-	2	4	4	-	-	-	-	86	1,480	1,503	1,286	0.412	0.422	0.412	0.396	36	624	619	509
4	29	1	110	1,284	1,295	1,311	-	-	-	-	48	-	-	-	-	-	-	-	-	38	38	285	-	70	70	70	-	5	4	4	-	-	-	-	62	1,172	1,184	951	0.411	0.421	0.415	0.397	25	494	491	377
4	29	2	104	1,206	1,210	1,218	-	-	-	-	46	-	-	-	-	-	-	-	-	31	31	278	-	70	70	70	-	3	5	1	-	-	-	-	57	1,102	1,104	869	0.411	0.422	0.413	0.397	24	465	456	345
4	29	3	100	1,156	1,153	1,155	-	-	-	-	45	-	-	-	-	-	-	-	-	30	30	277	-	70	70	70	-	8	4	0	-	-	-	-	55	1,047	1,048	808	0.411	0.421	0.416	0.396	22	441	436	320
4	29	4	98	1,134	1,125	1,122	-	-	-	-	47	-	-	-	-	-	-	-	-	27	27	274	-	70	70	70	-	8	3	(0)	-	-	-	-	51	1,029	1,024	777	0.412	0.422	0.415	0.397	21	434	425	308
4	29	5	99	1,139	1,121	1,111	-	-	-	-	50	-	-	-	-	-	-	-	0	18	18	265	-	70	70	70	-	11	7	1	-	-	-	-	49	1,040	1,026	775	0.413	0.422	0.415	0.399	20	439	426	309
4	29	6	106	1,210	1,188	1,174	-	-	-	-	50	-	-	-	-	-	-	-	7	449	449	697	-	70	70	70	-	9	6	6	-	-	-	-	49	681	663	401	0.413	0.422	0.415	0.398	20	288	275	160
4	29	7	117	1,333	1,309	1,295	-	-	-	-	47	-	-	-	-	-	-	-	22	1,365	1,373	1,628	-	70	70	70	-	0	(1)	(0)	-	-	-	-	48	(102)	(133)	(403)	0.415	0.337	0.332	0.391	20	(34)	(44)	(158)
4	29	8	126	1,436	1,415	1,405	-	-	-	-	41	-	-	-	-	-	-	-	38	2,035	2,090	2,387	-	70	70	70	-	(5)	(5)	7	-	-	-	-	47	(663)	(740)	(1,058)	0.414	0.280	0.320	0.311	19	(186)	(237)	(330)
4	29	9	131	1,497	1,480	1,476	-	-	-	-	37	-	-	-	-	-	-	-	51	2,483	2,586	2,924	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	43	(1,050)	(1,169)	(1,504)	0.391	0.000	0.007	0.000	17	-	(8)	-
4	29	10	137	1,568	1,553	1,551	-	-	-	-	35	-	-	-	-	-	-	-	59	2,707	2,843	3,213	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	43	(1,195)	(1,352)	(1,718)	0.392	0.000	0.000	0.000	17	-	-	-
4	29	11	140	1,607	1,592	1,589	-	-	-	-	35	-	-	-	-	-	-	-	63	2,804	2,964	3,353	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	43	(1,253)	(1,428)	(1,819)	0.389	0.000	0.000	0.000	17	-	-	-
4	29	12	142	1,628	1,614	1,611	-	-	-	-	34	-	-	-	-	-	-	-	65	2,853	3,027	3,430	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	42	(1,281)	(1,467)	(1,874)	0.386	0.000	0.000	0.000	16	-	-	-
4	29	13	142	1,641	1,631	1,631	-	-	-	-	33	-	-	-	-	-	-	-	65	2,832	3,007	3,411	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	45	(1,247)	(1,431)	(1,834)	0.385	0.000	0.000	0.000	17	-	-	-
4	29	14	143	1,653	1,646	1,650	-	-	-	-	33	-	-	-	-	-	-	-	63	2,780	2,947	3,343	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	47	(1,184)	(1,356)	(1,751)	0.383	0.000	0.000	0.000	18	-	-	-
4	29	15	143	1,652	1,648	1,655	-	-	-	-	34	-	-	-	-	-	-	-	58	2,660	2,807	3,186	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	51	(1,065)	(1,216)	(1,590)	0.385	0.000	0.000	0.000	19	-	-	-
4	29	16	142	1,651	1,655	1,668	-	-	-	-	36	-	-	-	-	-	-	-	50	2,387	2,503	2,855	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	55	(798)	(916)	(1,250)	0.412	0.000	0.007	0.000	23	-	(7)	-
4	29	17	140	1,640	1,652	1,671	-	-	-	-	40	-	-	-	-	-	-	-	37	1,860	1,932	2,243	-	70	70	70	-	(1)	(0)	4	-	-	-	-	64	(289)	(350)	(646)	0.410	0.238	0.314	0.270	26	(69)	(110)	(174)
4	29	18	138	1,622	1,641	1,667	-	-	-	-	46	-	-	-	-	-	-	-	13	733	751	1,013	-	70	70	70	-	(2)	(1)	2	-	-	-	-	80	820	821	582	0.413	0.425	0.419	0.406	33	348	344	236
4	29	19	137	1,613	1,635	1,663	-	-	-	-	51	-	-	-	-	-	-	-	1	107	107	354	-	70	70	70	-	5	10	8	-	-	-	-	86	1,431	1,448	1,231	0.416	0.422	0.413	0.402	36	604	598	495
4	29	20	143	1,689	1,715	1,747	-	-	-	-	50	-	-	-	-	-	-	-	-	72	72	319	-	70	70	70	-	6	7	15	-	-	-	-	93	1,541	1,566	1,344	0.421	0.432	0.422	0.405	39	665	660	544
4	29	21	149	1,752	1,781	1,816	-	-	-	-	51	-	-	-	-	-	-	-	-	52	52	299	-	70	70	70	-	9	2	6	-	-	-	-	97	1,621	1,658	1,442	0.418	0.424	0.413	0.404	41	687	685	582
4	29	22	143	1,691	1,722	1,758	-	-	-	-	52	-	-	-	-	-	-	-	-	35	35	282	-	70	70	70	-	4	3	7	-	-	-	-	91	1,581	1,614	1,399	0.414	0.421	0.411	0.401	38	667	664	561
4	29	23	133	1,567	1,596	1,630	-	-	-	-	51	-	-	-	-	-	-	-	-	30	30	277	-	70	70	70	-	5	11	5	-	-	-	-	82	1,461	1,485	1,278	0.413	0.420	0.411	0.397	34	614	611	508
4	29	24	135	1,594	1,620	1,649	-	-	-	-	49	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	2	4	4	-	-	-	-	86	1,494	1,517	1,300	0.412	0.422	0.412	0.396	36	630	624	515
4	30	1	111	1,294	1,305	1,321	-	-	-	-	48	-	-	-	-	-	-	-	-	27	27	274	-	70	70	70	-	5	4	4	-	-	-	-	62	1,192	1,204	972	0.411	0.421	0.415	0.397	26	502	500	386
4	30	2	104	1,209	1,213	1,222	-	-	-	-	46	-	-	-	-	-	-	-	-	28	28	275	-	70	70	70	-	3	5	1	-	-	-	-	58	1,108	1,110	875	0.411	0.422	0.413	0.397	24	467	459	347
4	30	3	99	1,151	1,148	1,150	-	-	-	-	45	-	-	-	-	-	-	-	-	34	34	281	-	70	70	70	-	8	4	0	-	-	-	-	54	1,039	1,039	799	0.411	0.421	0.416	0.396	22	438	432	317
4	30	4	97	1,118	1,109	1,105	-	-	-	-	47	-	-	-	-	-	-	-	-	42	42	289	-	70	70	70	-	8	3	(0)	-	-	-	-	50	999	994	747	0.412	0.422	0.415	0.397	21	422	413	296
4	30	5	97	1,104	1,086	1,075	-	-	-	-	50	-	-	-	-	-	-	-	0	39	39	286	-	70	70	70	-	11	7	1	-	-	-	-	47	984	969	718	0.413	0.422	0.415	0.399	19	416	403	286
4	30	6	98	1,118	1,094	1,078	-	-	-	-	50	-	-	-	-	-	-	-	8	506	507	754	-	70	70	70	-	9	6	6	-	-	-	-	41	532	511	248	0.413	0.422	0.415	0.398	17	225	212	99
4	30	7	102	1,156	1,127	1,109	-	-	-	-	47	-	-	-	-	-	-	-	22	1,378	1,385	1,640	-	70	70	70	-	0	(1)	(0)	-	-	-	-	33	(292)	(327)	(601)	0.415	0.337	0.332	0.391	14	(99)	(109)	(235)
4	30	8	107	1,218	1,192	1,176	-	-	-	-	41	-	-	-	-	-	-	-	39	2,092	2,151	2,451	-	70	70	70	-	(5)	(5)	7	-	-	-	-	27	(938)	(1,024)	(1,351)	0.414	0.280	0.320	0.311	11	(263)	(328)	(421)
4	30	9	114	1,305	1,284	1,275	-	-	-	-	37	-	-	-	-	-	-	-	52	2,511	2,621	2,966	-	70	70	70	-	(6)	(6)	(14)	-	-	-	-	26	(1,270)	(1,401)	(1,747)	0.391	0.000	0.007	0.000	10	-	(10)	-
4	30	10	121	1,388	1,369	1,362	-	-	-	-	35	-	-	-	-	-	-	-	60	2,743	2,889	3,266	-	70	70	70	-	(13)	(9)	(14)	-	-	-	-	27	(1,412)	(1,581)	(1,959)	0.392	0.000	0.000	0.000	11	-	-	-
4	30	11	125	1,434	1,415	1,408	-	-	-	-	35	-	-	-	-	-	-	-	64	2,847	3,014	3,410	-	70	70	70	-	(14)	(13)	(15)	-	-	-	-	27	(1,469)	(1,655)	(2,057)	0.389	0.000	0.000	0.000	10	-	-	-
4	30	12	127	1,459	1,441	1,434	-	-	-	-	34	-	-	-	-	-	-	-	65	2,845	3,021	3,426	-	70	70	70	-	(14)	(16)	(15)	-	-	-	-	28	(1,442)	(1,635)	(2,047)	0.386	0.000	0.000	0.000	11	-	-	-
4	30	13	128	1,466	1,451	1,447	-	-	-	-	33	-	-	-	-	-	-	-	64	2,823	3,000	3,404	-	70	70	70	-	(14)	(16)	(16)	-	-	-	-	31	(1,414)	(1,603)	(2,011)	0.385	0.000	0.000	0.000	12	-	-	-
4	30	14	126	1,456	1,445	1,443	-	-	-	-	33	-	-	-	-	-	-	-	61	2,752	2,913	3,305	-	70	70	70	-	(14)	(14)	(12)	-	-	-	-	32	(1,352)	(1,524)	(1,919)	0.383	0.000	0.000	0.000	12	-	-	-
4	30	15	126	1,448	1,440	1,441	-	-	-	-	34	-	-	-	-	-	-	-	53	2,392	2,531	2,903	-	70	70	70	-	(13)	(13)	(11)	-	-	-	-	39	(1,001)	(1,149)	(1,521)	0.385	0.000	0.000	0.000	15	-	-	-
4	30	16	125	1,443	1,443	1,451	-	-	-	-	36	-	-	-	-	-	-	-	39	1,792	1,899	2,241	-	70	70	70	-	(7)	(2)	(7)	-	-	-	-	49	(412)	(524)	(854)	0.412	0.000	0.007	0.000	20	-	(4)	-
4	30	17	124	1,445	1,453	1,467	-	-	-	-	40	-	-	-	-	-	-	-	28	1,392	1,458	1,764	-	70	70	70	-	(1)	(0)	4	-	-	-	-	56	(15)	(75)	(371)	0.410	0.238	0.314	0.270	23	(4)	(24)	(100)
4	30	18	125	1,459	1,475	1,497	-	-	-	-	46	-	-	-	-	-	-	-	15	888	906	1,168	-	70	70	70	-	(2)	(1)	2	-	-	-	-	64	503	500	257	0.413	0.425	0.419	0.406	26	214	210	104
4	30	19	127	1,487	1,506	1,531	-	-	-	-	51	-	-	-	-	-	-	-	1	127	127	374	-	70	70	70	-	5	10	8	-	-	-	-	75	1,285	1,299	1,079	0.416	0.422	0.413	0.402	31	543	536	434
4	30	20	133	1,571	1,594	1,624	-	-	-	-	50	-	-	-	-	-	-	-	-	78	78	325	-	70	70	70	-	6	7	15	-	-	-	-	83	1,416	1,439	1,214	0.421	0.432	0.422	0.405	35	611	607	491
4	30	21	140	1,653	1,680	1,712	-	-	-	-	51	-	-	-	-	-	-	-	-	76	76	323	-	70	70	70	-	9	2	6	-	-	-	-	89	1,498	1,533	1,314	0.418	0.424	0.413	0.404	37	635	633	530
4	30	22	136	1,603	1,632	1,665	-	-	-	-	52	-	-	-	-	-	-	-	-	63	63	310	-	70	70	70	-	4	3	7	-	-	-	-	84	1,465	1,495	1,278	0.414	0.421	0.411	0.401	35	618	615	512
4	30	23	127	1,505	1,533	1,565	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	70	70	70	-	5	11	5	-	-	-	-	76	1,379	1,402	1,193	0.413	0.420	0.411	0.397	32	580	577	474
4	30	24	125	1,470	1,492	1,519	-	-	-	-	49	-	-	-	-	-	-	-	-	39	39	286	-	70	70	70	-	2	4	4	-	-	-	-	76	1,359	1,379	1,158	0.412	0.422	0.412	0.396	31	573	568	459
5	1	1	109	1,276	1,285	1,299	-	-	-	-	39	-	-	-	-	-	-	-	-	27	27	274	-	25	25	25	-	5	7	5	-	-	-	-	70	1,218	1,226	994	0.393	0.407	0.399	0.375	28	496	489	373
5	1	2	103	1,193	1,194	1,201	-	-	-	-	39	-	-	-	-	-	-	-	-	25	25	272	-	25	25	25	-	5	4	0	-	-	-	-	63	1,137	1,139	903	0.393	0.405	0.399	0.372	25	461	454	336
5	1	3	98	1,138	1,133	1,133	-	-	-	-	38	-	-	-	-	-	-	-	-	25	25	272	-	25	25	25	-	12	6	2	-	-	-	-	60	1,076	1,076	834	0.405	0.406	0.399	0.372	24	437	429	310
5	1	4	96	1,102	1,090	1,084	-	-	-	-	39	-	-	-	-	-	-	-	-	31	31	278	-	25	25	25	-	11	6	1	-	-	-	-	57	1,035	1,028	780	0.392	0.407	0.399	0.372	22	422	410	290
5	1	5	95	1,082	1,063	1,052	-	-	-	-	42	-	-	-	-	-	-	-	0	37	37	284	-	25	25	25	-	14	10	(2)	-	-	-	-	53	1,006	991	745	0.398	0.409	0.401	0.378	21	411	397	282
5	1	6	95	1,078	1,052	1,033	-	-	-	-	48	-	-	-	-	-	-	-	2	164	165	412	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	45	891	862	599	0.398	0.407	0.399	0.375	18	363	344	224
5	1	7	97	1,092	1,062	1,041	-	-	-	-	43	-	-	-	-	-	-	-	9	567	573	825	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	44	503	464	190	0.396	0.333	0.321	0.382	17	167	149	73
5	1	8	100	1,134	1,103	1,084	-	-	-	-	41	-	-	-	-	-	-	-	21	1,017	1,061	1,347	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	39	95	20	(288)	0.388	0.320	0.314	0.321	15	30	6	(92)
5	1	9	107	1,215	1,190	1,178	-	-	-	-	40	-	-	-	-	-	-	-	34	1,578	1,657	1,975	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	33	(376)	(488)	(818)	0.394	0.243	0.240	0.000	13	(91)	(117)	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	1	10	113	1,289	1,266	1,255	-	-	-	-	40	-	-	-	-	-	-	-	40	1,771	1,881	2,226	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	34	(492)	(620)	(982)	0.314	0.243	0.243	0.000	11	(119)	(151)	-
5	1	11	118	1,348	1,327	1,317	-	-	-	-	42	-	-	-	-	-	-	-	38	1,560	1,684	2,042	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	38	(221)	(367)	(735)	0.317	0.243	0.243	0.000	12	(54)	(89)	-
5	1	12	121	1,384	1,364	1,354	-	-	-	-	39	-	-	-	-	-	-	-	46	1,968	2,100	2,466	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	36	(596)	(746)	(1,121)	0.310	0.243	0.243	0.000	11	(145)	(181)	-
5	1	13	123	1,408	1,392	1,387	-	-	-	-	38	-	-	-	-	-	-	-	39	1,605	1,730	2,089	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	46	(211)	(348)	(713)	0.315	0.243	0.243	0.000	15	(51)	(84)	-
5	1	14	124	1,423	1,411	1,409	-	-	-	-	40	-	-	-	-	-	-	-	35	1,410	1,529	1,882	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	49	(5)	(136)	(490)	0.317	0.243	0.243	0.000	16	(1)	(33)	-
5	1	15	124	1,434	1,426	1,426	-	-	-	-	45	-	-	-	-	-	-	-	37	1,628	1,733	2,074	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	43	(215)	(329)	(670)	0.316	0.240	0.240	0.195	13	(52)	(79)	(130)
5	1	16	126	1,458	1,457	1,465	-	-	-	-	43	-	-	-	-	-	-	-	39	1,944	2,033	2,359	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	43	(508)	(600)	(917)	0.321	0.247	0.230	0.240	14	(126)	(138)	(220)
5	1	17	127	1,479	1,487	1,502	-	-	-	-	43	-	-	-	-	-	-	-	33	1,801	1,856	2,152	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	50	(346)	(393)	(674)	0.398	0.246	0.320	0.234	20	(85)	(126)	(158)
5	1	18	129	1,512	1,528	1,550	-	-	-	-	48	-	-	-	-	-	-	-	15	890	906	1,167	-	25	25	25	-	(2)	(3)	1	-	-	-	-	67	598	599	357	0.400	0.332	0.396	0.386	27	199	237	138
5	1	19	132	1,548	1,569	1,595	-	-	-	-	53	-	-	-	-	-	-	-	1	125	125	372	-	25	25	25	-	(3)	1	9	-	-	-	-	78	1,401	1,418	1,189	0.403	0.407	0.400	0.393	31	570	567	467
5	1	20	139	1,636	1,660	1,689	-	-	-	-	54	-	-	-	-	-	-	-	-	71	71	318	-	25	25	25	-	5	1	6	-	-	-	-	85	1,535	1,562	1,340	0.404	0.420	0.411	0.395	34	645	642	530
5	1	21	147	1,725	1,752	1,784	-	-	-	-	54	-	-	-	-	-	-	-	-	65	65	312	-	25	25	25	-	3	7	12	-	-	-	-	92	1,631	1,654	1,435	0.402	0.408	0.400	0.392	37	665	662	563
5	1	22	140	1,653	1,682	1,716	-	-	-	-	53	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	2	4	4	-	-	-	-	87	1,564	1,591	1,378	0.397	0.404	0.395	0.387	35	631	629	533
5	1	23	127	1,501	1,527	1,558	-	-	-	-	44	-	-	-	-	-	-	-	-	72	72	319	-	25	25	25	-	6	4	13	-	-	-	-	83	1,398	1,426	1,201	0.396	0.406	0.398	0.382	33	567	567	458
5	1	24	122	1,429	1,449	1,472	-	-	-	-	43	-	-	-	-	-	-	-	-	63	63	310	-	25	25	25	-	9	9	3	-	-	-	-	79	1,333	1,351	1,135	0.392	0.409	0.400	0.379	31	545	541	430
5	2	1	105	1,232	1,240	1,252	-	-	-	-	39	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	5	7	5	-	-	-	-	67	1,140	1,146	914	0.393	0.407	0.399	0.375	26	464	458	343
5	2	2	100	1,158	1,159	1,164	-	-	-	-	39	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	5	4	0	-	-	-	-	60	1,067	1,068	831	0.393	0.405	0.399	0.372	24	432	426	309
5	2	3	97	1,116	1,111	1,110	-	-	-	-	38	-	-	-	-	-	-	-	-	55	55	302	-	25	25	25	-	12	6	2	-	-	-	-	59	1,024	1,024	782	0.405	0.406	0.399	0.372	24	416	408	291
5	2	4	95	1,095	1,083	1,077	-	-	-	-	39	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	11	6	1	-	-	-	-	56	1,005	998	749	0.392	0.407	0.399	0.372	22	409	398	279
5	2	5	97	1,114	1,096	1,086	-	-	-	-	42	-	-	-	-	-	-	-	0	58	58	305	-	25	25	25	-	14	10	(2)	-	-	-	-	55	1,017	1,003	758	0.398	0.409	0.401	0.378	22	416	402	286
5	2	6	105	1,193	1,169	1,154	-	-	-	-	48	-	-	-	-	-	-	-	9	643	644	891	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	48	527	500	240	0.398	0.407	0.399	0.375	19	214	200	90
5	2	7	116	1,323	1,298	1,283	-	-	-	-	43	-	-	-	-	-	-	-	24	1,496	1,504	1,758	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	49	(195)	(231)	(500)	0.396	0.333	0.321	0.382	19	(65)	(74)	(191)
5	2	8	126	1,437	1,414	1,402	-	-	-	-	41	-	-	-	-	-	-	-	39	2,158	2,212	2,507	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	45	(742)	(821)	(1,129)	0.388	0.320	0.314	0.321	18	(238)	(258)	(362)
5	2	9	132	1,509	1,491	1,486	-	-	-	-	40	-	-	-	-	-	-	-	51	2,579	2,679	3,016	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	40	(1,082)	(1,209)	(1,550)	0.394	0.243	0.240	0.000	16	(263)	(290)	-
5	2	10	138	1,586	1,570	1,566	-	-	-	-	40	-	-	-	-	-	-	-	58	2,810	2,940	3,303	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	41	(1,234)	(1,375)	(1,747)	0.314	0.243	0.243	0.000	13	(300)	(334)	-
5	2	11	144	1,651	1,636	1,634	-	-	-	-	42	-	-	-	-	-	-	-	61	2,872	3,020	3,399	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	40	(1,230)	(1,392)	(1,774)	0.317	0.243	0.243	0.000	13	(299)	(338)	-
5	2	12	148	1,700	1,688	1,686	-	-	-	-	39	-	-	-	-	-	-	-	62	2,905	3,062	3,449	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	46	(1,217)	(1,383)	(1,772)	0.310	0.243	0.243	0.000	14	(295)	(336)	-
5	2	13	150	1,728	1,720	1,723	-	-	-	-	38	-	-	-	-	-	-	-	61	2,891	3,042	3,423	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	51	(1,177)	(1,332)	(1,711)	0.315	0.243	0.243	0.000	16	(286)	(323)	-
5	2	14	152	1,764	1,761	1,767	-	-	-	-	40	-	-	-	-	-	-	-	59	2,806	2,946	3,318	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	54	(1,059)	(1,204)	(1,567)	0.317	0.243	0.243	0.000	17	(257)	(292)	-
5	2	15	154	1,784	1,784	1,794	-	-	-	-	45	-	-	-	-	-	-	-	53	2,599	2,719	3,074	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	56	(837)	(957)	(1,302)	0.316	0.240	0.240	0.195	18	(201)	(230)	(253)
5	2	16	155	1,799	1,807	1,824	-	-	-	-	43	-	-	-	-	-	-	-	48	2,413	2,510	2,843	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	64	(635)	(727)	(1,043)	0.321	0.247	0.230	0.240	20	(157)	(167)	(250)
5	2	17	154	1,806	1,821	1,844	-	-	-	-	43	-	-	-	-	-	-	-	37	1,979	2,041	2,344	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	75	(198)	(245)	(524)	0.398	0.246	0.320	0.234	30	(49)	(78)	(122)
5	2	18	154	1,807	1,830	1,860	-	-	-	-	48	-	-	-	-	-	-	-	17	1,090	1,106	1,368	-	25	25	25	-	(2)	(3)	1	-	-	-	-	89	694	701	466	0.400	0.332	0.396	0.386	36	230	277	180
5	2	19	153	1,795	1,822	1,855	-	-	-	-	53	-	-	-	-	-	-	-	1	170	170	417	-	25	25	25	-	(3)	1	9	-	-	-	-	98	1,603	1,625	1,403	0.403	0.407	0.400	0.393	40	652	650	551
5	2	20	157	1,848	1,876	1,911	-	-	-	-	54	-	-	-	-	-	-	-	-	86	86	333	-	25	25	25	-	5	1	6	-	-	-	-	103	1,732	1,764	1,547	0.404	0.420	0.411	0.395	41	728	725	612
5	2	21	162	1,908	1,939	1,976	-	-	-	-	54	-	-	-	-	-	-	-	-	78	78	325	-	25	25	25	-	3	7	12	-	-	-	-	108	1,801	1,828	1,614	0.402	0.408	0.400	0.392	43	734	732	633
5	2	22	152	1,798	1,830	1,867	-	-	-	-	53	-	-	-	-	-	-	-	-	73	73	320	-	25	25	25	-	2	4	4	-	-	-	-	100	1,698	1,728	1,519	0.397	0.404	0.395	0.387	40	685	683	587
5	2	23	138	1,624	1,653	1,687	-	-	-	-	44	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	6	4	13	-	-	-	-	93	1,533	1,564	1,342	0.396	0.406	0.398	0.382	37	622	622	512
5	2	24	141	1,658	1,682	1,712	-	-	-	-	43	-	-	-	-	-	-	-	-	63	63	310	-	25	25	25	-	9	9	3	-	-	-	-	98	1,560	1,584	1,373	0.392	0.409	0.400	0.379	38	638	634	521
5	3	1	113	1,318	1,328	1,343	-	-	-	-	39	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	5	7	5	-	-	-	-	74	1,234	1,242	1,012	0.393	0.407	0.399	0.375	29	502	496	380
5	3	2	106	1,238	1,241	1,248	-	-	-	-	39	-	-	-	-	-	-	-	-	57	57	304	-	25	25	25	-	5	4	0	-	-	-	-	67	1,151	1,154	919	0.393	0.405	0.399	0.372	26	466	460	342
5	3	3	102	1,183	1,179	1,181	-	-	-	-	38	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	12	6	2	-	-	-	-	64	1,084	1,086	845	0.405	0.406	0.399	0.372	26	441	433	314
5	3	4	101	1,159	1,148	1,143	-	-	-	-	39	-	-	-	-	-	-	-	-	66	66	313	-	25	25	25	-	11	6	1	-	-	-	-	61	1,056	1,051	804	0.392	0.407	0.399	0.372	24	430	419	299
5	3	5	102	1,168	1,151	1,142	-	-	-	-	42	-	-	-	-	-	-	-	0	52	52	299	-	25	25	25	-	14	10	(2)	-	-	-	-	60	1,077	1,064	821	0.398	0.409	0.401	0.378	24	441	427	310
5	3	6	108	1,236	1,213	1,199	-	-	-	-	48	-	-	-	-	-	-	-	9	618	618	866	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	52	595	570	310	0.398	0.407	0.399	0.375	21	242	228	116
5	3	7	118	1,350	1,326	1,312	-	-	-	-	43	-	-	-	-	-	-	-	24	1,521	1,530	1,784	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	51	(192)	(228)	(498)	0.396	0.333	0.321	0.382	20	(64)	(73)	(190)
5	3	8	127	1,455	1,432	1,421	-	-	-	-	41	-	-	-	-	-	-	-	41	2,241	2,299	2,599	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	45	(807)	(890)	(1,202)	0.388	0.320	0.314	0.321	17	(258)	(280)	(386)
5	3	9	133	1,529	1,512	1,508	-	-	-	-	40	-	-	-	-	-	-	-	54	2,663	2,772	3,116	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	39	(1,146)	(1,281)	(1,628)	0.394	0.243	0.240	0.000	15	(278)	(307)	-
5	3	10	140	1,608	1,593	1,590	-	-	-	-	40	-	-	-	-	-	-	-	60	2,801	2,943	3,317	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	41	(1,203)	(1,356)	(1,738)	0.314	0.243	0.243	0.000	13	(292)	(329)	-
5	3	11	147	1,693	1,679	1,678	-	-	-	-	42	-	-	-	-	-	-	-	62	2,840	2,997	3,385	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	42	(1,156)	(1,327)	(1,717)	0.317	0.243	0.243	0.000	13	(281)	(322)	-
5	3	12	152	1,752	1,740	1,740	-	-	-	-	39	-	-	-	-	-	-	-	63	2,849	3,011	3,403	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	50	(1,109)	(1,280)	(1,672)	0.310	0.243	0.243	0.000	15	(269)	(311)	-
5	3	13	156	1,807	1,801	1,805	-	-	-	-	38	-	-	-	-	-	-	-	62	2,828	2,982	3,367	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	57	(1,034)	(1,191)	(1,572)	0.315	0.243	0.243	0.000	18	(251)	(289)	-
5	3	14	161	1,860	1,858	1,868	-	-	-	-	40	-	-	-	-	-	-	-	61	2,824	2,974	3,356	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	60	(981)	(1,134)	(1,505)	0.317	0.243	0.243	0.000	19	(238)	(275)	-
5	3	15	163	1,893	1,895	1,908	-	-	-	-	45	-	-	-	-	-	-	-	53	2,496	2,621	2,980	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	65	(625)	(748)	(1,094)	0.316	0.240	0.240	0.195	21	(150)	(180)	(213)
5	3	16	165	1,925	1,935	1,955	-	-	-	-	43	-	-	-	-	-	-	-	41	1,980	2,076	2,409	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	80	(77)	(165)	(477)	0.321	0.247	0.230	0.240	26	(19)	(38)	(114)
5	3	17	164	1,914	1,932	1,958	-	-	-	-	43	-	-	-	-	-	-	-	28	1,446	1,503	1,802	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	92	444	405	133	0.398	0.246	0.320	0.234	37	109	130	31
5	3	18	160	1,880	1,904	1,936	-	-	-	-	48	-	-	-	-	-	-	-	14	851	865	1,125	-	25	25	25	-	(2)	(3)	1	-	-	-	-	98	1,006	1,017	785	0.400	0.332	0.396	0.386	39	334	402	303
5	3	19	157	1,847	1,874	1,909	-	-	-	-	53	-	-	-	-	-	-	-	1	102	102	349	-	25	25	25	-	(3)	1	9	-	-	-	-	103	1,722	1,746	1,525	0.403	0.407	0.400	0.393	41	700	699	599
5	3	20	161	1,889	1,919	1,955	-	-	-	-	54	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	5	1	6	-	-	-	-	106	1,816	1,849	1,634	0.404	0.420	0.411	0.395	43	763	760	646
5	3	21	164	1,929	1,961	1,999	-	-	-	-	54	-	-	-	-	-	-	-	-	34	34	281	-	25	25	25	-	3	7	12	-	-	-	-	110	1,867	1,895	1,681	0.402	0.408	0.400	0.392	44	761	759	659
5	3	22	154	1,818	1,851	1,889	-	-	-	-	53	-	-	-	-	-	-	-	-	44	44	291	-	25	25	25	-	2	4	4	-	-	-	-	101	1,747	1,777	1,568	0.397	0.404	0.395	0.387	40	705	703	607
5	3	23	138	1,631	1,660	1,694	-	-	-	-	44	-	-	-	-	-	-	-	-	67	67	314	-	25	25	25	-	6	4	13	-	-	-	-	94	1,533	1,565	1,342	0.396	0.406	0.398	0.382	37	622	622	512
5	3	24	146	1,717	1,743	1,775	-	-	-	-	43	-	-	-	-	-	-	-	-	76	76	323	-	25	25	25	-	9	9	3	-	-	-	-	103	1,607	1,633	1,424	0.392	0.409	0.400	0.379	40	658	654	540
5	4	1	113	1,318	1,328	1,343	-	-	-	-	39	-	-	-	-	-	-	-	-	71	71	318	-	25	25	25	-	5	7	5	-	-	-	-	74	1,217	1,225	995	0.393	0.407	0.399	0.375	29	495	489	373
5	4	2	106	1,233	1,236	1,243	-	-	-	-	39	-	-	-	-	-	-	-	-	72	72	319	-	25	25	25	-	5	4	0	-	-	-	-	67	1,131	1,134	899	0.393	0.405	0.399	0.372	26	458	452	335
5	4	3	102	1,178	1,174	1,176	-	-	-	-	38	-	-	-	-	-	-	-	-	70	70	317	-	25	25	25	-	12	6	2	-	-	-	-	64	1,072	1,073	832	0.405	0.406	0.399	0.372	26	436	428	309
5	4	4	100	1,154	1,143	1,138	-	-	-	-	39	-	-	-	-	-	-	-	-	64	64	311	-	25	25	25	-	11	6	1	-	-	-	-	61	1,054	1,048	801	0.392	0.407	0.399	0.372	24	429	418	298
5	4	5	101	1,158	1,142	1,132	-	-	-	-	42	-	-	-	-	-	-	-	0	56	56	303	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,064	1,051	807	0.398	0.409	0.401	0.378	23	435	421	305
5	4	6	108	1,229	1,206	1,191	-	-	-	-	48	-	-	-	-	-	-	-	6	393	393	640	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	54	813	788	528	0.398	0.407	0.399	0.375	22	331	314	198
5	4	7	119	1,355	1,331	1,317	-	-	-	-	43	-	-	-	-	-	-	-	19	1,201	1,208	1,461	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	56	132	98	(170)	0.396	0.333	0.321	0.382	22	44	32	(65)
5	4	8	130	1,486	1,464	1,454	-	-	-	-	41	-	-	-	-	-	-	-	34	1,835	1,879	2,166	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	55	(370)	(438)	(737)	0.388	0.320	0.314	0.321	22	(119)	(138)	(237)
5	4	9	137	1,574	1,557	1,554	-	-	-	-	40	-	-	-	-	-	-	-	44	2,235	2,311	2,626	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	53	(674)	(775)	(1,093)	0.394	0.243	0.240	0.000	21	(164)	(186)	-
5	4	10	142	1,634	1,618	1,617	-	-	-	-	40	-	-	-	-	-	-	-	52	2,577	2,684	3,026	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	50	(954)	(1,070)	(1,420)	0.314	0.243	0.243	0.000	16	(232)	(260)	-
5	4	11	145	1,667	1,653	1,652	-	-	-	-	42	-	-	-	-	-	-	-	55	2,616	2,737	3,092	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	48	(958)	(1,093)	(1,450)	0.317	0.243	0.243	0.000	15	(233)	(265)	-
5	4	12	147	1,692	1,679	1,677	-	-	-	-	39	-	-	-	-	-	-	-	55	2,531	2,665	3,032	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	53	(851)	(996)	(1,364)	0.310	0.243	0.243	0.000	16	(207)	(242)	-
5	4	13	148	1,712	1,703	1,705	-	-	-	-	38	-	-	-	-	-	-	-	52	2,421	2,547	2,908	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	59	(723)	(855)	(1,214)	0.315	0.243	0.243	0.000	18	(176)	(208)	-
5	4	14	149	1,729	1,724	1,730	-	-	-	-	40	-	-	-	-	-	-	-	56	2,689	2,815	3,175	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	54	(978)	(1,110)	(1,462)	0.317	0.243	0.243	0.000	17	(237)	(269)	-
5	4	15	150	1,735	1,734	1,742	-	-	-	-	45	-	-	-	-	-	-	-	50	2,431	2,537	2,879	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	55	(717)	(825)	(1,159)	0.316	0.240	0.240	0.195	17	(172)	(198)	(226)
5	4	16	150	1,742	1,748	1,763	-	-	-	-	43	-	-	-	-	-	-	-	37	1,838	1,922	2,244	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	69	(118)	(198)	(504)	0.321	0.247	0.230	0.240	22	(29)	(46)	(121)
5	4	17	149	1,740	1,753	1,775	-	-	-	-	43	-	-	-	-	-	-	-	27	1,353	1,405	1,699	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	79	362	324	52	0.398	0.246	0.320	0.234	31	89	104	12
5	4	18	148	1,736	1,757	1,786	-	-	-	-	48	-	-	-	-	-	-	-	15	909	924	1,184	-	25	25	25	-	(2)	(3)	1	-	-	-	-	85	805	811	575	0.400	0.332	0.396	0.386	34	267	321	222
5	4	19	147	1,726	1,751	1,782	-	-	-	-	53	-	-	-	-	-	-	-	1	117	117	365	-	25	25	25	-	(3)	1	9	-	-	-	-	92	1,586	1,607	1,383	0.403	0.407	0.400	0.393	37	645	643	543
5	4	20	152	1,793	1,820	1,853	-	-	-	-	54	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	5	1	6	-	-	-	-	98	1,701	1,732	1,514	0.404	0.420	0.411	0.395	40	715	712	598
5	4	21	158	1,860	1,890	1,926	-	-	-	-	54	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	3	7	12	-	-	-	-	104	1,775	1,801	1,586	0.402	0.408	0.400	0.392	42	724	721	622
5	4	22	150	1,772	1,803	1,840	-	-	-	-	53	-	-	-	-	-	-	-	-	64	64	311	-	25	25	25	-	2	4	4	-	-	-	-	97	1,681	1,710	1,500	0.397	0.404	0.395	0.387	39	679	676	580
5	4	23	136	1,605	1,634	1,667	-	-	-	-	44	-	-	-	-	-	-	-	-	74	74	321	-	25	25	25	-	6	4	13	-	-	-	-	92	1,500	1,531	1,308	0.396	0.406	0.398	0.382	36	608	609	499
5	4	24	140	1,643	1,668	1,697	-	-	-	-	43	-	-	-	-	-	-	-	-	76	76	323	-	25	25	25	-	9	9	3	-	-	-	-	97	1,533	1,557	1,346	0.392	0.409	0.400	0.379	38	627	623	510
5	5	1	112	1,311	1,321	1,335	-	-	-	-	39	-	-	-	-	-	-	-	-	82	82	329	-	25	25	25	-	5	7	5	-	-	-	-	73	1,199	1,207	977	0.393	0.407	0.399	0.375	29	488	482	366
5	5	2	106	1,230	1,232	1,240	-	-	-	-	39	-	-	-	-	-	-	-	-	85	85	332	-	25	25	25	-	5	4	0	-	-	-	-	66	1,114	1,117	882	0.393	0.405	0.399	0.372	26	451	445	328
5	5	3	102	1,181	1,177	1,178	-	-	-	-	38	-	-	-	-	-	-	-	-	81	81	328	-	25	25	25	-	12	6	2	-	-	-	-	64	1,063	1,064	823	0.405	0.406	0.399	0.372	26	432	424	306
5	5	4	100	1,153	1,141	1,137	-	-	-	-	39	-	-	-	-	-	-	-	-	80	80	327	-	25	25	25	-	11	6	1	-	-	-	-	61	1,036	1,030	783	0.392	0.407	0.399	0.372	24	422	411	292
5	5	5	101	1,158	1,141	1,132	-	-	-	-	42	-	-	-	-	-	-	-	0	78	78	325	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,041	1,028	784	0.398	0.409	0.401	0.378	23	426	412	296
5	5	6	108	1,231	1,208	1,193	-	-	-	-	48	-	-	-	-	-	-	-	11	745	746	994	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	49	463	437	177	0.398	0.407	0.399	0.375	20	188	174	66
5	5	7	119	1,361	1,336	1,322	-	-	-	-	43	-	-	-	-	-	-	-	26	1,615	1,623	1,878	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	50	(276)	(312)	(581)	0.396	0.333	0.321	0.382	20	(92)	(100)	(222)
5	5	8	129	1,470	1,448	1,437	-	-	-	-	41	-	-	-	-	-	-	-	42	2,269	2,328	2,628	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	46	(820)	(903)	(1,216)	0.388	0.320	0.314	0.321	18	(263)	(284)	(390)
5	5	9	134	1,531	1,514	1,510	-	-	-	-	40	-	-	-	-	-	-	-	55	2,698	2,809	3,155	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	39	(1,179)	(1,316)	(1,666)	0.394	0.243	0.240	0.000	15	(286)	(315)	-
5	5	10	139	1,596	1,580	1,577	-	-	-	-	40	-	-	-	-	-	-	-	61	2,809	2,955	3,332	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	39	(1,223)	(1,380)	(1,766)	0.314	0.243	0.243	0.000	12	(297)	(335)	-
5	5	11	143	1,647	1,632	1,630	-	-	-	-	42	-	-	-	-	-	-	-	64	2,875	3,041	3,437	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	37	(1,237)	(1,418)	(1,817)	0.317	0.243	0.243	0.000	12	(300)	(344)	-
5	5	12	145	1,674	1,660	1,658	-	-	-	-	39	-	-	-	-	-	-	-	66	2,919	3,100	3,509	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	40	(1,257)	(1,449)	(1,861)	0.310	0.243	0.243	0.000	12	(305)	(352)	-
5	5	13	146	1,680	1,671	1,672	-	-	-	-	38	-	-	-	-	-	-	-	58	2,501	2,668	3,065	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	50	(835)	(1,007)	(1,404)	0.315	0.243	0.243	0.000	16	(203)	(245)	-
5	5	14	146	1,690	1,684	1,689	-	-	-	-	40	-	-	-	-	-	-	-	57	2,501	2,661	3,051	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	50	(828)	(995)	(1,379)	0.317	0.243	0.243	0.000	16	(201)	(242)	-
5	5	15	146	1,686	1,683	1,690	-	-	-	-	45	-	-	-	-	-	-	-	45	1,943	2,083	2,455	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	55	(278)	(421)	(787)	0.316	0.240	0.240	0.195	17	(67)	(101)	(153)
5	5	16	145	1,689	1,694	1,708	-	-	-	-	43	-	-	-	-	-	-	-	44	2,012	2,129	2,481	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	58	(345)	(460)	(796)	0.321	0.247	0.230	0.240	19	(85)	(106)	(191)
5	5	17	144	1,685	1,697	1,717	-	-	-	-	43	-	-	-	-	-	-	-	36	1,855	1,929	2,242	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	65	(195)	(256)	(549)	0.398	0.246	0.320	0.234	26	(48)	(82)	(128)
5	5	18	144	1,683	1,703	1,730	-	-	-	-	48	-	-	-	-	-	-	-	19	1,178	1,199	1,465	-	25	25	25	-	(2)	(3)	1	-	-	-	-	77	482	482	239	0.400	0.332	0.396	0.386	31	160	191	92
5	5	19	144	1,696	1,720	1,750	-	-	-	-	53	-	-	-	-	-	-	-	1	203	203	450	-	25	25	25	-	(3)	1	9	-	-	-	-	89	1,471	1,491	1,266	0.403	0.407	0.400	0.393	36	598	597	497
5	5	20	150	1,767	1,794	1,827	-	-	-	-	54	-	-	-	-	-	-	-	-	92	92	339	-	25	25	25	-	5	1	6	-	-	-	-	96	1,645	1,676	1,457	0.404	0.420	0.411	0.395	39	692	689	576

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	5	21	154	1,808	1,837	1,872	-	-	-	-	54	-	-	-	-	-	-	-	-	94	94	341	-	25	25	25	-	3	7	12	-	-	-	-	100	1,685	1,710	1,493	0.402	0.408	0.400	0.392	40	687	685	586
5	5	22	146	1,724	1,754	1,789	-	-	-	-	53	-	-	-	-	-	-	-	-	63	63	310	-	25	25	25	-	2	4	4	-	-	-	-	93	1,634	1,662	1,450	0.397	0.404	0.395	0.387	37	659	657	561
5	5	23	133	1,567	1,594	1,626	-	-	-	-	44	-	-	-	-	-	-	-	-	49	49	296	-	25	25	25	-	6	4	13	-	-	-	-	88	1,486	1,516	1,292	0.396	0.406	0.398	0.382	35	603	603	493
5	5	24	138	1,618	1,642	1,670	-	-	-	-	43	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	9	9	3	-	-	-	-	95	1,541	1,564	1,352	0.392	0.409	0.400	0.379	37	631	626	513
5	6	1	111	1,294	1,303	1,317	-	-	-	-	39	-	-	-	-	-	-	-	-	35	35	282	-	25	25	25	-	5	7	5	-	-	-	-	72	1,229	1,236	1,005	0.393	0.407	0.399	0.375	28	500	493	377
5	6	2	105	1,215	1,217	1,224	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	25	25	25	-	5	4	0	-	-	-	-	65	1,148	1,151	915	0.393	0.405	0.399	0.372	26	465	459	341
5	6	3	100	1,162	1,157	1,158	-	-	-	-	38	-	-	-	-	-	-	-	-	49	49	296	-	25	25	25	-	12	6	2	-	-	-	-	62	1,076	1,077	836	0.405	0.406	0.399	0.372	25	437	429	311
5	6	4	99	1,137	1,125	1,120	-	-	-	-	39	-	-	-	-	-	-	-	-	52	52	299	-	25	25	25	-	11	6	1	-	-	-	-	60	1,048	1,042	794	0.392	0.407	0.399	0.372	23	427	416	296
5	6	5	100	1,147	1,130	1,121	-	-	-	-	42	-	-	-	-	-	-	-	0	67	67	314	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,041	1,028	783	0.398	0.409	0.401	0.378	23	426	412	296
5	6	6	106	1,213	1,189	1,174	-	-	-	-	48	-	-	-	-	-	-	-	11	740	740	988	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	48	450	424	163	0.398	0.407	0.399	0.375	19	183	169	61
5	6	7	118	1,346	1,321	1,307	-	-	-	-	43	-	-	-	-	-	-	-	26	1,610	1,618	1,873	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	49	(286)	(322)	(591)	0.396	0.333	0.321	0.382	19	(95)	(103)	(226)
5	6	8	128	1,458	1,435	1,424	-	-	-	-	41	-	-	-	-	-	-	-	42	2,274	2,336	2,638	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	45	(837)	(924)	(1,239)	0.388	0.320	0.314	0.321	17	(268)	(290)	(398)
5	6	9	134	1,531	1,514	1,509	-	-	-	-	40	-	-	-	-	-	-	-	55	2,729	2,844	3,194	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	38	(1,210)	(1,351)	(1,705)	0.394	0.243	0.240	0.000	15	(294)	(324)	-
5	6	10	139	1,590	1,574	1,571	-	-	-	-	40	-	-	-	-	-	-	-	62	2,860	3,012	3,396	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	37	(1,279)	(1,443)	(1,836)	0.314	0.243	0.243	0.000	12	(311)	(351)	-
5	6	11	142	1,632	1,617	1,614	-	-	-	-	42	-	-	-	-	-	-	-	65	2,910	3,084	3,486	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	35	(1,286)	(1,475)	(1,882)	0.317	0.243	0.243	0.000	11	(312)	(358)	-
5	6	12	144	1,662	1,648	1,645	-	-	-	-	39	-	-	-	-	-	-	-	67	2,935	3,119	3,531	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	39	(1,285)	(1,480)	(1,894)	0.310	0.243	0.243	0.000	12	(312)	(359)	-
5	6	13	145	1,668	1,659	1,659	-	-	-	-	38	-	-	-	-	-	-	-	67	2,930	3,115	3,526	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	40	(1,276)	(1,466)	(1,878)	0.315	0.243	0.243	0.000	13	(310)	(356)	-
5	6	14	145	1,677	1,671	1,675	-	-	-	-	40	-	-	-	-	-	-	-	65	2,901	3,075	3,478	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	40	(1,241)	(1,423)	(1,820)	0.317	0.243	0.243	0.000	13	(301)	(346)	-
5	6	15	144	1,669	1,666	1,673	-	-	-	-	45	-	-	-	-	-	-	-	62	2,823	2,976	3,360	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	38	(1,175)	(1,331)	(1,709)	0.316	0.240	0.240	0.195	12	(282)	(320)	(333)
5	6	16	144	1,671	1,676	1,689	-	-	-	-	43	-	-	-	-	-	-	-	54	2,552	2,674	3,031	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	47	(903)	(1,023)	(1,365)	0.321	0.247	0.230	0.240	15	(223)	(235)	(328)
5	6	17	142	1,660	1,671	1,691	-	-	-	-	43	-	-	-	-	-	-	-	39	1,951	2,026	2,339	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	60	(316)	(378)	(672)	0.398	0.246	0.320	0.234	24	(78)	(121)	(157)
5	6	18	140	1,642	1,661	1,686	-	-	-	-	48	-	-	-	-	-	-	-	17	976	997	1,263	-	25	25	25	-	(2)	(3)	1	-	-	-	-	75	643	641	398	0.400	0.332	0.396	0.386	30	213	254	154
5	6	19	140	1,640	1,663	1,691	-	-	-	-	53	-	-	-	-	-	-	-	1	144	144	391	-	25	25	25	-	(3)	1	9	-	-	-	-	85	1,474	1,492	1,266	0.403	0.407	0.400	0.393	34	599	597	497
5	6	20	145	1,705	1,731	1,762	-	-	-	-	54	-	-	-	-	-	-	-	0	51	51	298	-	25	25	25	-	5	1	6	-	-	-	-	91	1,625	1,654	1,433	0.404	0.420	0.411	0.395	37	683	680	567
5	6	21	150	1,764	1,792	1,826	-	-	-	-	54	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	3	7	12	-	-	-	-	96	1,680	1,704	1,486	0.402	0.408	0.400	0.392	39	685	682	583
5	6	22	144	1,701	1,731	1,766	-	-	-	-	53	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	2	4	4	-	-	-	-	91	1,620	1,647	1,435	0.397	0.404	0.395	0.387	36	654	651	555
5	6	23	134	1,581	1,609	1,642	-	-	-	-	44	-	-	-	-	-	-	-	-	51	51	298	-	25	25	25	-	6	4	13	-	-	-	-	90	1,499	1,529	1,305	0.396	0.406	0.398	0.382	36	608	608	498
5	6	24	138	1,619	1,643	1,672	-	-	-	-	43	-	-	-	-	-	-	-	-	47	47	294	-	25	25	25	-	9	9	3	-	-	-	-	95	1,538	1,561	1,349	0.392	0.409	0.400	0.379	37	629	625	512
5	7	1	112	1,307	1,317	1,331	-	-	-	-	39	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	5	7	5	-	-	-	-	73	1,234	1,241	1,011	0.393	0.407	0.399	0.375	29	502	495	379
5	7	2	105	1,223	1,225	1,232	-	-	-	-	39	-	-	-	-	-	-	-	-	42	42	289	-	25	25	25	-	5	4	0	-	-	-	-	66	1,150	1,153	918	0.393	0.405	0.399	0.372	26	466	460	341
5	7	3	101	1,164	1,159	1,161	-	-	-	-	38	-	-	-	-	-	-	-	-	47	47	294	-	25	25	25	-	12	6	2	-	-	-	-	63	1,080	1,081	840	0.405	0.406	0.399	0.372	25	439	431	312
5	7	4	98	1,126	1,115	1,109	-	-	-	-	39	-	-	-	-	-	-	-	-	50	50	297	-	25	25	25	-	11	6	1	-	-	-	-	59	1,040	1,033	785	0.392	0.407	0.399	0.372	23	423	412	292
5	7	5	97	1,114	1,096	1,086	-	-	-	-	42	-	-	-	-	-	-	-	0	46	46	293	-	25	25	25	-	14	10	(2)	-	-	-	-	55	1,029	1,015	770	0.398	0.409	0.401	0.378	22	421	407	291
5	7	6	99	1,131	1,106	1,089	-	-	-	-	48	-	-	-	-	-	-	-	12	755	756	1,004	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	40	353	324	62	0.398	0.407	0.399	0.375	16	143	129	23
5	7	7	103	1,167	1,139	1,120	-	-	-	-	43	-	-	-	-	-	-	-	25	1,550	1,559	1,814	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	34	(405)	(445)	(719)	0.396	0.333	0.321	0.382	14	(135)	(143)	(275)
5	7	8	109	1,233	1,205	1,188	-	-	-	-	41	-	-	-	-	-	-	-	41	2,189	2,249	2,551	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	26	(977)	(1,068)	(1,388)	0.388	0.320	0.314	0.321	10	(313)	(336)	(446)
5	7	9	116	1,322	1,299	1,290	-	-	-	-	40	-	-	-	-	-	-	-	54	2,602	2,714	3,061	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	22	(1,293)	(1,436)	(1,792)	0.394	0.243	0.240	0.000	9	(314)	(344)	-
5	7	10	122	1,400	1,379	1,371	-	-	-	-	40	-	-	-	-	-	-	-	61	2,787	2,934	3,313	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	22	(1,397)	(1,560)	(1,953)	0.314	0.243	0.243	0.000	7	(339)	(379)	-
5	7	11	127	1,454	1,435	1,428	-	-	-	-	42	-	-	-	-	-	-	-	64	2,855	3,025	3,423	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	20	(1,410)	(1,599)	(2,005)	0.317	0.243	0.243	0.000	6	(343)	(388)	-
5	7	12	129	1,476	1,458	1,451	-	-	-	-	39	-	-	-	-	-	-	-	66	2,887	3,066	3,474	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	24	(1,423)	(1,617)	(2,032)	0.310	0.243	0.243	0.000	7	(346)	(393)	-
5	7	13	129	1,478	1,464	1,460	-	-	-	-	38	-	-	-	-	-	-	-	66	2,878	3,057	3,465	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	25	(1,414)	(1,603)	(2,015)	0.315	0.243	0.243	0.000	8	(343)	(389)	-
5	7	14	128	1,469	1,458	1,457	-	-	-	-	40	-	-	-	-	-	-	-	65	2,861	3,034	3,435	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	23	(1,410)	(1,595)	(1,995)	0.317	0.243	0.243	0.000	7	(343)	(387)	-
5	7	15	126	1,455	1,447	1,448	-	-	-	-	45	-	-	-	-	-	-	-	61	2,763	2,917	3,303	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	20	(1,330)	(1,492)	(1,876)	0.316	0.240	0.240	0.195	6	(320)	(358)	(365)
5	7	16	125	1,451	1,451	1,459	-	-	-	-	43	-	-	-	-	-	-	-	53	2,500	2,623	2,980	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	28	(1,070)	(1,197)	(1,545)	0.321	0.247	0.230	0.240	9	(265)	(275)	(371)
5	7	17	125	1,456	1,463	1,478	-	-	-	-	43	-	-	-	-	-	-	-	39	1,950	2,027	2,343	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	42	(519)	(588)	(889)	0.398	0.246	0.320	0.234	17	(128)	(189)	(208)
5	7	18	125	1,464	1,479	1,501	-	-	-	-	48	-	-	-	-	-	-	-	20	1,103	1,125	1,391	-	25	25	25	-	(2)	(3)	1	-	-	-	-	58	338	332	84	0.400	0.332	0.396	0.386	23	112	131	32
5	7	19	127	1,491	1,510	1,536	-	-	-	-	53	-	-	-	-	-	-	-	2	131	131	378	-	25	25	25	-	(3)	1	9	-	-	-	-	72	1,338	1,353	1,123	0.403	0.407	0.400	0.393	29	544	541	441
5	7	20	133	1,567	1,589	1,617	-	-	-	-	54	-	-	-	-	-	-	-	0	9	9	256	-	25	25	25	-	5	1	6	-	-	-	-	79	1,529	1,555	1,331	0.404	0.420	0.411	0.395	32	643	639	526
5	7	21	140	1,652	1,678	1,708	-	-	-	-	54	-	-	-	-	-	-	-	-	0	0	247	-	25	25	25	-	3	7	12	-	-	-	-	86	1,623	1,645	1,424	0.402	0.408	0.400	0.392	35	662	659	559
5	7	22	137	1,610	1,638	1,671	-	-	-	-	53	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	2	4	4	-	-	-	-	84	1,583	1,609	1,395	0.397	0.404	0.395	0.387	33	639	636	540
5	7	23	128	1,515	1,542	1,573	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	6	4	13	-	-	-	-	84	1,484	1,513	1,288	0.396	0.406	0.398	0.382	33	602	602	491
5	7	24	126	1,481	1,501	1,527	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	9	9	3	-	-	-	-	83	1,447	1,467	1,251	0.392	0.409	0.400	0.379	33	592	587	475
5	8	1	109	1,277	1,286	1,300	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	5	7	5	-	-	-	-	70	1,247	1,254	1,023	0.393	0.407	0.399	0.375	28	508	501	384
5	8	2	103	1,192	1,193	1,200	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	5	4	0	-	-	-	-	63	1,161	1,163	927	0.393	0.405	0.399	0.372	25	471	464	345
5	8	3	98	1,135	1,130	1,131	-	-	-	-	38	-	-	-	-	-	-	-	-	0	0	247	-	25	25	25	-	12	6	2	-	-	-	-	60	1,098	1,099	857	0.405	0.406	0.399	0.372	24	446	438	318
5	8	4	96	1,098	1,085	1,079	-	-	-	-	39	-	-	-	-	-	-	-	-	4	4	251	-	25	25	25	-	11	6	1	-	-	-	-	56	1,057	1,050	801	0.392	0.407	0.399	0.372	22	431	419	299
5	8	5	94	1,075	1,056	1,045	-	-	-	-	42	-	-	-	-	-	-	-	0	13	13	260	-	25	25	25	-	14	10	(2)	-	-	-	-	52	1,022	1,008	762	0.398	0.409	0.401	0.378	21	418	404	288
5	8	6	94	1,070	1,043	1,025	-	-	-	-	48	-	-	-	-	-	-	-	11	687	688	935	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	36	360	330	66	0.398	0.407	0.399	0.375	14	147	132	25
5	8	7	95	1,075	1,045	1,023	-	-	-	-	43	-	-	-	-	-	-	-	25	1,520	1,529	1,784	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	27	(466)	(509)	(785)	0.396	0.333	0.321	0.382	11	(155)	(163)	(300)
5	8	8	99	1,119	1,089	1,069	-	-	-	-	41	-	-	-	-	-	-	-	41	2,152	2,212	2,512	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	17	(1,054)	(1,146)	(1,468)	0.388	0.320	0.314	0.321	7	(337)	(360)	(471)
5	8	9	105	1,197	1,172	1,159	-	-	-	-	40	-	-	-	-	-	-	-	53	2,544	2,653	2,998	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	12	(1,359)	(1,502)	(1,859)	0.394	0.243	0.240	0.000	5	(330)	(360)	-
5	8	10	112	1,272	1,248	1,237	-	-	-	-	40	-	-	-	-	-	-	-	60	2,754	2,898	3,275	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	12	(1,492)	(1,655)	(2,048)	0.314	0.243	0.243	0.000	4	(362)	(402)	-
5	8	11	117	1,331	1,309	1,299	-	-	-	-	42	-	-	-	-	-	-	-	64	2,819	2,984	3,379	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	11	(1,498)	(1,685)	(2,090)	0.317	0.243	0.243	0.000	3	(364)	(409)	-
5	8	12	118	1,352	1,331	1,321	-	-	-	-	39	-	-	-	-	-	-	-	65	2,839	3,015	3,420	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	14	(1,499)	(1,693)	(2,109)	0.310	0.243	0.243	0.000	4	(364)	(411)	-
5	8	13	119	1,363	1,347	1,340	-	-	-	-	38	-	-	-	-	-	-	-	65	2,825	3,000	3,404	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	16	(1,476)	(1,664)	(2,075)	0.315	0.243	0.243	0.000	5	(358)	(404)	-
5	8	14	119	1,367	1,354	1,351	-	-	-	-	40	-	-	-	-	-	-	-	63	2,780	2,948	3,345	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	16	(1,430)	(1,612)	(2,011)	0.317	0.243	0.243	0.000	5	(347)	(391)	-
5	8	15	119	1,368	1,358	1,357	-	-	-	-	45	-	-	-	-	-	-	-	60	2,677	2,827	3,208	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	14	(1,331)	(1,491)	(1,873)	0.316	0.240	0.240	0.195	4	(320)	(358)	(364)
5	8	16	119	1,373	1,371	1,377	-	-	-	-	43	-	-	-	-	-	-	-	52	2,414	2,533	2,887	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	23	(1,062)	(1,186)	(1,533)	0.321	0.247	0.230	0.240	7	(262)	(273)	(368)
5	8	17	120	1,392	1,397	1,410	-	-	-	-	43	-	-	-	-	-	-	-	39	1,911	1,986	2,299	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	37	(544)	(612)	(913)	0.398	0.246	0.320	0.234	15	(134)	(196)	(213)
5	8	18	122	1,426	1,440	1,461	-	-	-	-	48	-	-	-	-	-	-	-	19	1,045	1,065	1,330	-	25	25	25	-	(2)	(3)	1	-	-	-	-	55	358	353	105	0.400	0.332	0.396	0.386	22	119	140	41
5	8	19	125	1,470	1,489	1,513	-	-	-	-	53	-	-	-	-	-	-	-	2	150	151	398	-	25	25	25	-	(3)	1	9	-	-	-	-	70	1,297	1,312	1,081	0.403	0.407	0.400	0.393	28	527	525	424
5	8	20	134	1,577	1,599	1,627	-	-	-	-	54	-	-	-	-	-	-	-	0	29	29	276	-	25	25	25	-	5	1	6	-	-	-	-	80	1,518	1,544	1,320	0.404	0.420	0.411	0.395	32	638	635	522
5	8	21	141	1,657	1,683	1,713	-	-	-	-	54	-	-	-	-	-	-	-	-	24	24	271	-	25	25	25	-	3	7	12	-	-	-	-	87	1,605	1,627	1,406	0.402	0.408	0.400	0.392	35	654	651	552
5	8	22	136	1,606	1,634	1,666	-	-	-	-	53	-	-	-	-	-	-	-	-	21	21	268	-	25	25	25	-	2	4	4	-	-	-	-	83	1,558	1,583	1,369	0.397	0.404	0.395	0.387	33	629	626	530
5	8	23	125	1,480	1,505	1,535	-	-	-	-	44	-	-	-	-	-	-	-	-	24	24	271	-	25	25	25	-	6	4	13	-	-	-	-	81	1,424	1,452	1,226	0.396	0.406	0.398	0.382	32	578	578	468
5	8	24	118	1,388	1,406	1,429	-	-	-	-	43	-	-	-	-	-	-	-	-	19	19	266	-	25	25	25	-	9	9	3	-	-	-	-	76	1,335	1,353	1,135	0.392	0.409	0.400	0.379	30	546	541	430
5	9	1	105	1,223	1,231	1,244	-	-	-	-	39	-	-	-	-	-	-	-	-	10	10	257	-	25	25	25	-	5	7	5	-	-	-	-	66	1,183	1,189	957	0.393	0.407	0.399	0.375	26	482	475	359
5	9	2	99	1,152	1,153	1,158	-	-	-	-	39	-	-	-	-	-	-	-	-	11	11	258	-	25	25	25	-	5	4	0	-	-	-	-	60	1,111	1,112	875	0.393	0.405	0.399	0.372	24	450	443	325
5	9	3	96	1,108	1,102	1,102	-	-	-	-	38	-	-	-	-	-	-	-	-	11	11	258	-	25	25	25	-	12	6	2	-	-	-	-	58	1,060	1,060	817	0.405	0.406	0.399	0.372	23	431	422	304
5	9	4	95	1,094	1,082	1,075	-	-	-	-	39	-	-	-	-	-	-	-	-	11	11	258	-	25	25	25	-	11	6	1	-	-	-	-	56	1,047	1,039	791	0.392	0.407	0.399	0.372	22	426	415	295
5	9	5	97	1,113	1,095	1,085	-	-	-	-	42	-	-	-	-	-	-	-	0	19	19	266	-	25	25	25	-	14	10	(2)	-	-	-	-	55	1,055	1,041	796	0.398	0.409	0.401	0.378	22	432	417	301
5	9	6	104	1,185	1,161	1,145	-	-	-	-	48	-	-	-	-	-	-	-	12	755	756	1,003	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	44	407	380	119	0.398	0.407	0.399	0.375	18	166	152	45
5	9	7	115	1,306	1,281	1,265	-	-	-	-	43	-	-	-	-	-	-	-	25	1,487	1,495	1,750	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	47	(202)	(239)	(510)	0.396	0.333	0.321	0.382	18	(67)	(77)	(195)
5	9	8	125	1,426	1,403	1,391	-	-	-	-	41	-	-	-	-	-	-	-	40	2,099	2,159	2,459	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	44	(694)	(778)	(1,092)	0.388	0.320	0.314	0.321	17	(222)	(245)	(351)
5	9	9	132	1,507	1,489	1,484	-	-	-	-	40	-	-	-	-	-	-	-	52	2,479	2,588	2,933	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	39	(985)	(1,120)	(1,469)	0.394	0.243	0.240	0.000	15	(239)	(269)	-
5	9	10	137	1,575	1,559	1,556	-	-	-	-	40	-	-	-	-	-	-	-	60	2,709	2,854	3,231	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	38	(1,144)	(1,300)	(1,686)	0.314	0.243	0.243	0.000	12	(278)	(316)	-
5	9	11	142	1,630	1,615	1,612	-	-	-	-	42	-	-	-	-	-	-	-	62	2,744	2,909	3,303	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	37	(1,124)	(1,303)	(1,700)	0.317	0.243	0.243	0.000	12	(273)	(316)	-
5	9	12	144	1,660	1,647	1,644	-	-	-	-	39	-	-	-	-	-	-	-	64	2,771	2,946	3,350	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	41	(1,123)	(1,309)	(1,715)	0.310	0.243	0.243	0.000	13	(273)	(318)	-
5	9	13	145	1,673	1,663	1,665	-	-	-	-	38	-	-	-	-	-	-	-	64	2,751	2,927	3,332	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	43	(1,092)	(1,274)	(1,678)	0.315	0.243	0.243	0.000	14	(265)	(309)	-
5	9	14	145	1,680	1,675	1,679	-	-	-	-	40	-	-	-	-	-	-	-	63	2,743	2,913	3,311	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	43	(1,081)	(1,257)	(1,649)	0.317	0.243	0.243	0.000	14	(262)	(305)	-
5	9	15	145	1,674	1,671	1,678	-	-	-	-	45	-	-	-	-	-	-	-	59	2,617	2,768	3,150	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	41	(965)	(1,119)	(1,494)	0.316	0.240	0.240	0.195	13	(232)	(269)	(291)
5	9	16	144	1,680	1,686	1,700	-	-	-	-	43	-	-	-	-	-	-	-	51	2,387	2,508	2,863	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	50	(728)	(847)	(1,187)	0.321	0.247	0.230	0.240	16	(180)	(195)	(285)
5	9	17	144	1,682	1,694	1,715	-	-	-	-	43	-	-	-	-	-	-	-	38	1,877	1,953	2,267	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	63	(220)	(282)	(576)	0.398	0.246	0.320	0.234	25	(54)	(90)	(135)
5	9	18	143	1,678	1,698	1,725	-	-	-	-	48	-	-	-	-	-	-	-	19	1,106	1,128	1,394	-	25	25	25	-	(2)	(3)	1	-	-	-	-	76	549	548	306	0.400	0.332	0.396	0.386	30	182	217	118
5	9	19	143	1,681	1,705	1,735	-	-	-	-	53	-	-	-	-	-	-	-	2	195	195	443	-	25	25	25	-	(3)	1	9	-	-	-	-	87	1,463	1,483	1,258	0.403	0.407	0.400	0.393	35	595	593	494
5	9	20	149	1,752	1,779	1,812	-	-	-	-	54	-	-	-	-	-	-	-	0	82	82	329	-	25	25	25	-	5	1	6	-	-	-	-	95	1,640	1,670	1,451	0.404	0.420	0.411	0.395	38	689	687	574
5	9	21	156	1,839	1,868	1,904	-	-	-	-	54	-	-	-	-	-	-	-	-	73	73	320	-	25	25	25	-	3	7	12	-	-	-	-	102	1,737	1,763	1,547	0.402	0.408	0.400	0.392	41	708	706	607
5	9	22	149	1,755	1,786	1,823	-	-	-	-	53	-	-	-	-	-	-	-	-	58	58	305	-	25	25	25	-	2	4	4	-	-	-	-	96	1,670	1,699	1,488	0.397	0.404	0.395	0.387	38	674	672	576
5	9	23	134	1,587	1,615	1,648	-	-	-	-	44	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	6	4	13	-	-	-	-	90	1,497	1,527	1,304	0.396	0.406	0.398	0.382	36	607	608	498
5	9	24	137	1,612	1,636	1,664	-	-	-	-	43	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	9	9	3	-	-	-	-	94	1,516	1,539	1,327	0.392	0.409	0.400	0.379	37	620	616	503
5	10	1	110	1,286	1,295	1,309	-	-	-	-	39	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	5	7	5	-	-	-	-	71	1,196	1,204	973	0.393	0.407	0.399	0.375	28	487	480	365
5	10	2	104	1,207	1,209	1,216	-	-	-	-	39	-	-	-	-	-	-	-	-	48	48	295	-	25	25	25	-	5	4	0	-	-	-	-	65	1,129	1,131	896	0.393	0.405	0.399	0.372	25	457	451	333
5	10	3	100	1,156	1,151	1,152	-	-	-	-	38	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	12	6	2	-	-	-	-	62	1,075	1,077	835	0.405	0.406	0.399	0.372	25	437	429	310
5	10	4	99	1,135	1,123	1,118	-	-	-	-	39	-	-	-	-	-	-	-	-	33	33	280	-	25	25	25	-	11	6	1	-	-	-	-	59	1,065	1,059	811	0.392	0.407	0.399	0.372	23	434	422	302
5	10	5	100	1,141	1,125	1,115	-	-	-	-	42	-	-	-	-	-	-	-	0	25	25	272	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,078	1,064	820	0.398	0.409	0.401	0.378	23	441	427	310
5	10	6	107	1,222	1,199	1,184	-	-	-	-	48	-	-	-	-	-	-	-	11	712	712	960	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	48	487	461	201	0.398	0.407	0.399	0.375	19	198	184	75
5	10	7	119	1,354	1,330	1,315	-	-	-	-	43	-	-	-	-	-	-	-	25	1,482	1,491	1,746	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	51	(150)	(186)	(456)	0.396	0.333	0.321	0.382	20	(50)	(60)	(174)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	10	8	129	1,474	1,452	1,441	-	-	-	-	41	-	-	-	-	-	-	-	40	2,115	2,175	2,476	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	48	(662)	(746)	(1,059)	0.388	0.320	0.314	0.321	18	(212)	(235)	(340)
5	10	9	135	1,552	1,535	1,532	-	-	-	-	40	-	-	-	-	-	-	-	52	2,491	2,601	2,946	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	43	(951)	(1,087)	(1,435)	0.394	0.243	0.240	0.000	17	(231)	(260)	-
5	10	10	140	1,611	1,595	1,593	-	-	-	-	40	-	-	-	-	-	-	-	60	2,724	2,870	3,247	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	41	(1,123)	(1,279)	(1,665)	0.314	0.243	0.243	0.000	13	(273)	(311)	-
5	10	11	144	1,656	1,642	1,639	-	-	-	-	42	-	-	-	-	-	-	-	63	2,789	2,955	3,352	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	38	(1,142)	(1,323)	(1,722)	0.317	0.243	0.243	0.000	12	(277)	(321)	-
5	10	12	145	1,674	1,661	1,659	-	-	-	-	39	-	-	-	-	-	-	-	65	2,839	3,015	3,420	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	41	(1,176)	(1,363)	(1,770)	0.310	0.243	0.243	0.000	13	(286)	(331)	-
5	10	13	145	1,671	1,662	1,663	-	-	-	-	38	-	-	-	-	-	-	-	64	2,787	2,963	3,368	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	43	(1,130)	(1,312)	(1,716)	0.315	0.243	0.243	0.000	14	(274)	(319)	-
5	10	14	145	1,679	1,673	1,678	-	-	-	-	40	-	-	-	-	-	-	-	63	2,766	2,935	3,334	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	43	(1,104)	(1,280)	(1,673)	0.317	0.243	0.243	0.000	14	(268)	(311)	-
5	10	15	146	1,687	1,684	1,691	-	-	-	-	45	-	-	-	-	-	-	-	59	2,681	2,833	3,216	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	41	(1,016)	(1,171)	(1,546)	0.316	0.240	0.240	0.195	13	(244)	(281)	(301)
5	10	16	146	1,699	1,705	1,719	-	-	-	-	43	-	-	-	-	-	-	-	52	2,421	2,541	2,896	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	51	(743)	(861)	(1,200)	0.321	0.247	0.230	0.240	16	(184)	(198)	(288)
5	10	17	146	1,702	1,715	1,736	-	-	-	-	43	-	-	-	-	-	-	-	38	1,913	1,986	2,299	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	64	(236)	(296)	(587)	0.398	0.246	0.320	0.234	26	(58)	(95)	(137)
5	10	18	144	1,691	1,711	1,739	-	-	-	-	48	-	-	-	-	-	-	-	19	1,082	1,103	1,368	-	25	25	25	-	(2)	(3)	1	-	-	-	-	78	586	586	344	0.400	0.332	0.396	0.386	31	195	232	133
5	10	19	144	1,687	1,711	1,741	-	-	-	-	53	-	-	-	-	-	-	-	2	203	203	450	-	25	25	25	-	(3)	1	9	-	-	-	-	88	1,461	1,481	1,257	0.403	0.407	0.400	0.393	35	594	593	493
5	10	20	149	1,755	1,781	1,814	-	-	-	-	54	-	-	-	-	-	-	-	0	78	78	325	-	25	25	25	-	5	1	6	-	-	-	-	95	1,647	1,677	1,458	0.404	0.420	0.411	0.395	38	692	689	576
5	10	21	157	1,846	1,876	1,911	-	-	-	-	54	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	3	7	12	-	-	-	-	103	1,756	1,783	1,567	0.402	0.408	0.400	0.392	41	716	714	615
5	10	22	150	1,773	1,805	1,841	-	-	-	-	53	-	-	-	-	-	-	-	-	45	45	292	-	25	25	25	-	2	4	4	-	-	-	-	98	1,701	1,730	1,520	0.397	0.404	0.395	0.387	39	687	684	588
5	10	23	136	1,605	1,634	1,667	-	-	-	-	44	-	-	-	-	-	-	-	-	32	32	279	-	25	25	25	-	6	4	13	-	-	-	-	92	1,542	1,573	1,350	0.396	0.406	0.398	0.382	36	625	626	515
5	10	24	137	1,615	1,638	1,667	-	-	-	-	43	-	-	-	-	-	-	-	-	31	31	278	-	25	25	25	-	9	9	3	-	-	-	-	95	1,550	1,573	1,361	0.392	0.409	0.400	0.379	37	634	629	516
5	11	1	113	1,324	1,334	1,349	-	-	-	-	39	-	-	-	-	-	-	-	-	20	20	267	-	25	25	25	-	5	7	5	-	-	-	-	74	1,274	1,282	1,052	0.393	0.407	0.399	0.375	29	519	512	395
5	11	2	107	1,241	1,243	1,251	-	-	-	-	39	-	-	-	-	-	-	-	-	9	9	256	-	25	25	25	-	5	4	0	-	-	-	-	67	1,201	1,204	969	0.393	0.405	0.399	0.372	27	487	480	361
5	11	3	103	1,190	1,186	1,188	-	-	-	-	38	-	-	-	-	-	-	-	-	2	2	249	-	25	25	25	-	12	6	2	-	-	-	-	65	1,151	1,153	912	0.405	0.406	0.399	0.372	26	468	460	339
5	11	4	102	1,168	1,157	1,153	-	-	-	-	39	-	-	-	-	-	-	-	-	2	2	249	-	25	25	25	-	11	6	1	-	-	-	-	62	1,130	1,124	878	0.392	0.407	0.399	0.372	24	460	448	327
5	11	5	103	1,175	1,159	1,150	-	-	-	-	42	-	-	-	-	-	-	-	0	12	12	259	-	25	25	25	-	14	10	(2)	-	-	-	-	60	1,124	1,111	868	0.398	0.409	0.401	0.378	24	460	445	328
5	11	6	109	1,249	1,227	1,213	-	-	-	-	48	-	-	-	-	-	-	-	11	699	700	948	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	51	527	502	242	0.398	0.407	0.399	0.375	20	215	200	91
5	11	7	121	1,378	1,354	1,340	-	-	-	-	43	-	-	-	-	-	-	-	24	1,477	1,486	1,741	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	53	(121)	(156)	(425)	0.396	0.333	0.321	0.382	21	(40)	(50)	(163)
5	11	8	129	1,478	1,455	1,445	-	-	-	-	41	-	-	-	-	-	-	-	40	2,087	2,145	2,445	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	48	(630)	(713)	(1,025)	0.388	0.320	0.314	0.321	19	(202)	(224)	(329)
5	11	9	135	1,547	1,530	1,527	-	-	-	-	40	-	-	-	-	-	-	-	52	2,507	2,614	2,956	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	43	(972)	(1,104)	(1,450)	0.394	0.243	0.240	0.000	17	(236)	(265)	-
5	11	10	140	1,603	1,587	1,584	-	-	-	-	40	-	-	-	-	-	-	-	59	2,706	2,848	3,222	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	41	(1,113)	(1,266)	(1,649)	0.314	0.243	0.243	0.000	13	(270)	(308)	-
5	11	11	143	1,647	1,633	1,631	-	-	-	-	42	-	-	-	-	-	-	-	63	2,778	2,941	3,334	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	38	(1,140)	(1,318)	(1,713)	0.317	0.243	0.243	0.000	12	(277)	(320)	-
5	11	12	146	1,678	1,665	1,663	-	-	-	-	39	-	-	-	-	-	-	-	64	2,777	2,950	3,352	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	43	(1,111)	(1,295)	(1,698)	0.310	0.243	0.243	0.000	13	(270)	(314)	-
5	11	13	148	1,703	1,695	1,697	-	-	-	-	38	-	-	-	-	-	-	-	63	2,737	2,910	3,312	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	47	(1,047)	(1,226)	(1,626)	0.315	0.243	0.243	0.000	15	(254)	(298)	-
5	11	14	150	1,738	1,734	1,740	-	-	-	-	40	-	-	-	-	-	-	-	62	2,707	2,872	3,267	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	49	(986)	(1,156)	(1,543)	0.317	0.243	0.243	0.000	15	(239)	(281)	-
5	11	15	151	1,756	1,755	1,764	-	-	-	-	45	-	-	-	-	-	-	-	58	2,609	2,753	3,130	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	49	(875)	(1,020)	(1,388)	0.316	0.240	0.240	0.195	15	(210)	(245)	(270)
5	11	16	153	1,780	1,788	1,804	-	-	-	-	43	-	-	-	-	-	-	-	50	2,370	2,486	2,838	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	59	(611)	(723)	(1,057)	0.321	0.247	0.230	0.240	19	(151)	(166)	(254)
5	11	17	153	1,787	1,801	1,824	-	-	-	-	43	-	-	-	-	-	-	-	37	1,837	1,908	2,219	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	73	(75)	(131)	(419)	0.398	0.246	0.320	0.234	29	(18)	(42)	(98)
5	11	18	151	1,777	1,799	1,829	-	-	-	-	48	-	-	-	-	-	-	-	19	1,096	1,115	1,380	-	25	25	25	-	(2)	(3)	1	-	-	-	-	85	658	662	423	0.400	0.332	0.396	0.386	34	219	262	163
5	11	19	150	1,767	1,793	1,825	-	-	-	-	53	-	-	-	-	-	-	-	2	218	218	465	-	25	25	25	-	(3)	1	9	-	-	-	-	95	1,526	1,548	1,325	0.403	0.407	0.400	0.393	38	621	619	520
5	11	20	154	1,812	1,840	1,874	-	-	-	-	54	-	-	-	-	-	-	-	0	75	75	322	-	25	25	25	-	5	1	6	-	-	-	-	100	1,707	1,739	1,521	0.404	0.420	0.411	0.395	40	718	715	601
5	11	21	160	1,884	1,915	1,951	-	-	-	-	54	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	3	7	12	-	-	-	-	106	1,794	1,821	1,606	0.402	0.408	0.400	0.392	43	732	729	630
5	11	22	152	1,798	1,830	1,867	-	-	-	-	53	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	2	4	4	-	-	-	-	100	1,727	1,757	1,548	0.397	0.404	0.395	0.387	40	697	695	599
5	11	23	138	1,628	1,657	1,691	-	-	-	-	44	-	-	-	-	-	-	-	-	40	40	287	-	25	25	25	-	6	4	13	-	-	-	-	94	1,557	1,588	1,365	0.396	0.406	0.398	0.382	37	631	632	521
5	11	24	139	1,640	1,664	1,693	-	-	-	-	43	-	-	-	-	-	-	-	-	42	42	289	-	25	25	25	-	9	9	3	-	-	-	-	97	1,564	1,587	1,376	0.392	0.409	0.400	0.379	38	640	635	522
5	12	1	113	1,323	1,333	1,348	-	-	-	-	39	-	-	-	-	-	-	-	-	42	42	289	-	25	25	25	-	5	7	5	-	-	-	-	74	1,251	1,259	1,029	0.393	0.407	0.399	0.375	29	509	502	386
5	12	2	106	1,235	1,237	1,245	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	25	25	25	-	5	4	0	-	-	-	-	67	1,166	1,169	934	0.393	0.405	0.399	0.372	26	472	466	347
5	12	3	102	1,177	1,173	1,174	-	-	-	-	38	-	-	-	-	-	-	-	-	31	31	278	-	25	25	25	-	12	6	2	-	-	-	-	64	1,109	1,111	870	0.405	0.406	0.399	0.372	26	451	443	323
5	12	4	100	1,151	1,140	1,135	-	-	-	-	39	-	-	-	-	-	-	-	-	24	24	271	-	25	25	25	-	11	6	1	-	-	-	-	61	1,091	1,085	838	0.392	0.407	0.399	0.372	24	444	433	312
5	12	5	101	1,156	1,139	1,130	-	-	-	-	42	-	-	-	-	-	-	-	0	31	31	278	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,086	1,073	829	0.398	0.409	0.401	0.378	23	444	430	313
5	12	6	107	1,225	1,202	1,187	-	-	-	-	48	-	-	-	-	-	-	-	11	724	725	973	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	48	478	451	191	0.398	0.407	0.399	0.375	19	194	180	72
5	12	7	119	1,355	1,330	1,316	-	-	-	-	43	-	-	-	-	-	-	-	25	1,518	1,527	1,782	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	50	(185)	(221)	(491)	0.396	0.333	0.321	0.382	20	(62)	(71)	(188)
5	12	8	129	1,471	1,449	1,438	-	-	-	-	41	-	-	-	-	-	-	-	39	2,085	2,141	2,438	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	48	(635)	(715)	(1,025)	0.388	0.320	0.314	0.321	19	(203)	(225)	(329)
5	12	9	135	1,543	1,526	1,522	-	-	-	-	40	-	-	-	-	-	-	-	51	2,476	2,582	2,924	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	43	(945)	(1,077)	(1,423)	0.394	0.243	0.240	0.000	17	(229)	(258)	-
5	12	10	141	1,617	1,601	1,598	-	-	-	-	40	-	-	-	-	-	-	-	59	2,678	2,821	3,197	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	42	(1,071)	(1,225)	(1,609)	0.314	0.243	0.243	0.000	13	(260)	(298)	-
5	12	11	147	1,695	1,681	1,680	-	-	-	-	42	-	-	-	-	-	-	-	62	2,710	2,876	3,272	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	43	(1,024)	(1,204)	(1,602)	0.317	0.243	0.243	0.000	14	(249)	(292)	-
5	12	12	152	1,752	1,740	1,740	-	-	-	-	39	-	-	-	-	-	-	-	64	2,784	2,960	3,365	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	49	(1,044)	(1,229)	(1,634)	0.310	0.243	0.243	0.000	15	(254)	(299)	-
5	12	13	155	1,795	1,788	1,792	-	-	-	-	38	-	-	-	-	-	-	-	63	2,739	2,915	3,321	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	55	(957)	(1,137)	(1,539)	0.315	0.243	0.243	0.000	17	(233)	(276)	-
5	12	14	159	1,838	1,836	1,845	-	-	-	-	40	-	-	-	-	-	-	-	62	2,779	2,947	3,345	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	57	(958)	(1,130)	(1,518)	0.317	0.243	0.243	0.000	18	(233)	(274)	-
5	12	15	161	1,874	1,875	1,887	-	-	-	-	45	-	-	-	-	-	-	-	58	2,669	2,822	3,205	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	58	(817)	(968)	(1,340)	0.316	0.240	0.240	0.195	18	(196)	(233)	(261)
5	12	16	164	1,907	1,917	1,936	-	-	-	-	43	-	-	-	-	-	-	-	48	2,247	2,367	2,721	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	72	(362)	(474)	(808)	0.321	0.247	0.230	0.240	23	(89)	(109)	(194)
5	12	17	165	1,925	1,943	1,969	-	-	-	-	43	-	-	-	-	-	-	-	33	1,666	1,738	2,049	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	88	235	181	(104)	0.398	0.246	0.320	0.234	35	58	58	(24)
5	12	18	163	1,914	1,940	1,972	-	-	-	-	48	-	-	-	-	-	-	-	16	965	985	1,251	-	25	25	25	-	(2)	(3)	1	-	-	-	-	99	927	932	695	0.400	0.332	0.396	0.386	40	308	369	269
5	12	19	160	1,885	1,913	1,948	-	-	-	-	53	-	-	-	-	-	-	-	2	216	216	463	-	25	25	25	-	(3)	1	9	-	-	-	-	105	1,646	1,671	1,451	0.403	0.407	0.400	0.393	42	670	669	569
5	12	20	161	1,892	1,921	1,957	-	-	-	-	54	-	-	-	-	-	-	-	0	93	93	340	-	25	25	25	-	5	1	6	-	-	-	-	106	1,768	1,802	1,586	0.404	0.420	0.411	0.395	43	743	741	627
5	12	21	165	1,945	1,977	2,015	-	-	-	-	54	-	-	-	-	-	-	-	-	87	87	334	-	25	25	25	-	3	7	12	-	-	-	-	111	1,829	1,857	1,644	0.402	0.408	0.400	0.392	45	746	744	645
5	12	22	157	1,848	1,881	1,920	-	-	-	-	53	-	-	-	-	-	-	-	-	83	83	330	-	25	25	25	-	2	4	4	-	-	-	-	104	1,738	1,769	1,561	0.397	0.404	0.395	0.387	41	702	700	604
5	12	23	141	1,666	1,696	1,731	-	-	-	-	44	-	-	-	-	-	-	-	-	89	89	336	-	25	25	25	-	6	4	13	-	-	-	-	97	1,546	1,578	1,357	0.396	0.406	0.398	0.382	38	627	628	518
5	12	24	145	1,711	1,737	1,768	-	-	-	-	43	-	-	-	-	-	-	-	-	77	77	324	-	25	25	25	-	9	9	3	-	-	-	-	103	1,600	1,626	1,416	0.392	0.409	0.400	0.379	40	655	651	537
5	13	1	116	1,351	1,362	1,378	-	-	-	-	39	-	-	-	-	-	-	-	-	65	65	312	-	25	25	25	-	5	7	5	-	-	-	-	77	1,256	1,264	1,035	0.393	0.407	0.399	0.375	30	511	505	388
5	13	2	108	1,261	1,264	1,272	-	-	-	-	39	-	-	-	-	-	-	-	-	60	60	307	-	25	25	25	-	5	4	0	-	-	-	-	69	1,170	1,174	940	0.393	0.405	0.399	0.372	27	474	468	350
5	13	3	104	1,201	1,197	1,199	-	-	-	-	38	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	12	6	2	-	-	-	-	66	1,102	1,104	864	0.405	0.406	0.399	0.372	27	448	440	321
5	13	4	102	1,168	1,157	1,153	-	-	-	-	39	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	11	6	1	-	-	-	-	62	1,073	1,067	820	0.392	0.407	0.399	0.372	24	437	426	306
5	13	5	102	1,170	1,154	1,144	-	-	-	-	42	-	-	-	-	-	-	-	0	72	72	319	-	25	25	25	-	14	10	(2)	-	-	-	-	60	1,059	1,046	802	0.398	0.409	0.401	0.378	24	433	419	303
5	13	6	108	1,228	1,205	1,191	-	-	-	-	48	-	-	-	-	-	-	-	11	768	769	1,017	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	49	438	411	151	0.398	0.407	0.399	0.375	19	178	164	57
5	13	7	118	1,349	1,324	1,309	-	-	-	-	43	-	-	-	-	-	-	-	24	1,516	1,526	1,782	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	50	(189)	(226)	(497)	0.396	0.333	0.321	0.382	20	(63)	(73)	(190)
5	13	8	128	1,467	1,444	1,433	-	-	-	-	41	-	-	-	-	-	-	-	39	2,095	2,152	2,451	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	48	(649)	(731)	(1,043)	0.388	0.320	0.314	0.321	19	(208)	(230)	(335)
5	13	9	135	1,542	1,525	1,521	-	-	-	-	40	-	-	-	-	-	-	-	52	2,493	2,601	2,945	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	43	(963)	(1,097)	(1,445)	0.394	0.243	0.240	0.000	17	(234)	(263)	-
5	13	10	141	1,622	1,607	1,604	-	-	-	-	40	-	-	-	-	-	-	-	58	2,631	2,775	3,151	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	44	(1,018)	(1,173)	(1,557)	0.314	0.243	0.243	0.000	14	(247)	(285)	-
5	13	11	147	1,687	1,674	1,672	-	-	-	-	42	-	-	-	-	-	-	-	61	2,676	2,840	3,234	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	43	(997)	(1,175)	(1,571)	0.317	0.243	0.243	0.000	14	(242)	(285)	-
5	13	12	150	1,732	1,720	1,719	-	-	-	-	39	-	-	-	-	-	-	-	65	2,804	2,983	3,391	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	47	(1,084)	(1,272)	(1,681)	0.310	0.243	0.243	0.000	14	(263)	(309)	-
5	13	13	154	1,782	1,775	1,778	-	-	-	-	38	-	-	-	-	-	-	-	65	2,836	3,015	3,423	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	52	(1,068)	(1,251)	(1,655)	0.315	0.243	0.243	0.000	16	(259)	(304)	-
5	13	14	158	1,836	1,833	1,842	-	-	-	-	40	-	-	-	-	-	-	-	62	2,776	2,946	3,346	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	56	(958)	(1,131)	(1,521)	0.317	0.243	0.243	0.000	18	(233)	(275)	-
5	13	15	160	1,862	1,863	1,875	-	-	-	-	45	-	-	-	-	-	-	-	58	2,624	2,775	3,156	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	58	(784)	(933)	(1,303)	0.316	0.240	0.240	0.195	18	(188)	(224)	(254)
5	13	16	163	1,902	1,912	1,931	-	-	-	-	43	-	-	-	-	-	-	-	49	2,337	2,455	2,808	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	71	(456)	(567)	(900)	0.321	0.247	0.230	0.240	23	(113)	(130)	(216)
5	13	17	164	1,920	1,938	1,964	-	-	-	-	43	-	-	-	-	-	-	-	35	1,770	1,844	2,157	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	86	125	70	(216)	0.398	0.246	0.320	0.234	34	31	22	(51)
5	13	18	161	1,891	1,916	1,949	-	-	-	-	48	-	-	-	-	-	-	-	18	1,095	1,116	1,382	-	25	25	25	-	(2)	(3)	1	-	-	-	-	95	773	777	540	0.400	0.332	0.396	0.386	38	257	308	209
5	13	19	155	1,827	1,855	1,888	-	-	-	-	53	-	-	-	-	-	-	-	3	240	241	488	-	25	25	25	-	(3)	1	9	-	-	-	-	99	1,565	1,588	1,366	0.403	0.407	0.400	0.393	40	636	635	536
5	13	20	155	1,821	1,849	1,883	-	-	-	-	54	-	-	-	-	-	-	-	0	83	83	330	-	25	25	25	-	5	1	6	-	-	-	-	100	1,709	1,740	1,523	0.404	0.420	0.411	0.395	41	718	716	602
5	13	21	159	1,878	1,908	1,945	-	-	-	-	54	-	-	-	-	-	-	-	-	69	69	316	-	25	25	25	-	3	7	12	-	-	-	-	105	1,781	1,807	1,592	0.402	0.408	0.400	0.392	42	726	724	625
5	13	22	154	1,812	1,845	1,882	-	-	-	-	53	-	-	-	-	-	-	-	-	50	50	297	-	25	25	25	-	2	4	4	-	-	-	-	101	1,735	1,765	1,556	0.397	0.404	0.395	0.387	40	700	698	602
5	13	23	142	1,675	1,706	1,741	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	25	25	25	-	6	4	13	-	-	-	-	98	1,597	1,629	1,408	0.396	0.406	0.398	0.382	39	648	648	537
5	13	24	145	1,711	1,737	1,768	-	-	-	-	43	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	9	9	3	-	-	-	-	103	1,615	1,641	1,431	0.392	0.409	0.400	0.379	40	661	657	543
5	14	1	117	1,369	1,380	1,396	-	-	-	-	39	-	-	-	-	-	-	-	-	69	69	316	-	25	25	25	-	5	7	5	-	-	-	-	78	1,269	1,279	1,050	0.393	0.407	0.399	0.375	31	517	510	394
5	14	2	109	1,269	1,272	1,281	-	-	-	-	39	-	-	-	-	-	-	-	-	68	68	315	-	25	25	25	-	5	4	0	-	-	-	-	70	1,170	1,174	940	0.393	0.405	0.399	0.372	27	474	468	350
5	14	3	104	1,203	1,200	1,202	-	-	-	-	38	-	-	-	-	-	-	-	-	60	60	307	-	25	25	25	-	12	6	2	-	-	-	-	66	1,106	1,108	868	0.405	0.406	0.399	0.372	27	450	442	323
5	14	4	101	1,163	1,152	1,148	-	-	-	-	39	-	-	-	-	-	-	-	-	40	40	287	-	25	25	25	-	11	6	1	-	-	-	-	62	1,087	1,081	834	0.392	0.407	0.399	0.372	24	443	431	311
5	14	5	100	1,145	1,128	1,118	-	-	-	-	42	-	-	-	-	-	-	-	0	43	43	290	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,063	1,050	806	0.398	0.409	0.401	0.378	23	435	421	305
5	14	6	101	1,152	1,128	1,111	-	-	-	-	48	-	-	-	-	-	-	-	10	670	672	919	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	43	459	431	169	0.398	0.407	0.399	0.375	17	187	172	63
5	14	7	105	1,192	1,164	1,146	-	-	-	-	43	-	-	-	-	-	-	-	24	1,474	1,483	1,739	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	37	(303)	(344)	(618)	0.396	0.333	0.321	0.382	15	(101)	(110)	(236)
5	14	8	111	1,260	1,233	1,217	-	-	-	-	41	-	-	-	-	-	-	-	40	2,105	2,164	2,463	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	30	(866)	(954)	(1,271)	0.388	0.320	0.314	0.321	12	(277)	(300)	(408)
5	14	9	119	1,363	1,342	1,333	-	-	-	-	40	-	-	-	-	-	-	-	51	2,474	2,582	2,925	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	28	(1,123)	(1,261)	(1,613)	0.394	0.243	0.240	0.000	11	(273)	(302)	-
5	14	10	126	1,444	1,424	1,417	-	-	-	-	40	-	-	-	-	-	-	-	60	2,716	2,861	3,237	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	27	(1,283)	(1,442)	(1,830)	0.314	0.243	0.243	0.000	9	(311)	(350)	-
5	14	11	131	1,506	1,488	1,482	-	-	-	-	42	-	-	-	-	-	-	-	63	2,799	2,965	3,360	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	26	(1,302)	(1,485)	(1,888)	0.317	0.243	0.243	0.000	8	(316)	(361)	-
5	14	12	133	1,532	1,515	1,510	-	-	-	-	39	-	-	-	-	-	-	-	65	2,804	2,982	3,387	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	30	(1,284)	(1,475)	(1,887)	0.310	0.243	0.243	0.000	9	(312)	(358)	-
5	14	13	134	1,548	1,536	1,534	-	-	-	-	38	-	-	-	-	-	-	-	63	2,704	2,879	3,282	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	34	(1,169)	(1,353)	(1,759)	0.315	0.243	0.243	0.000	11	(284)	(329)	-
5	14	14	135	1,558	1,549	1,551	-	-	-	-	40	-	-	-	-	-	-	-	62	2,696	2,862	3,258	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	34	(1,156)	(1,331)	(1,724)	0.317	0.243	0.243	0.000	11	(281)	(323)	-
5	14	15	135	1,562	1,557	1,561	-	-	-	-	45	-	-	-	-	-	-	-	56	2,470	2,616	2,994	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	34	(930)	(1,081)	(1,455)	0.316	0.240	0.240	0.195	11	(223)	(260)	(283)
5	14	16	136	1,574	1,576	1,587	-	-	-	-	43	-	-	-	-	-	-	-	46	2,087	2,204	2,556	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	46	(535)	(652)	(992)	0.321	0.247	0.230	0.240	15	(132)	(150)	(238)
5	14	17	136	1,586	1,596	1,614	-	-	-	-	43	-	-	-	-	-	-	-	33	1,606	1,678	1,989	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	59	(45)	(106)	(399)	0.398	0.246	0.320	0.234	24	(11)	(34)	(93)
5	14	18	135	1,587	1,605	1,629	-	-	-	-	48	-	-	-	-	-	-	-	17	976	996	1,261	-	25	25	25	-	(2)	(3)	1	-	-	-	-	70	589	587	343	0.400	0.332	0.396	0.386	28	195	232	132

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	14	19	136	1,594	1,615	1,643	-	-	-	-	53	-	-	-	-	-	-	-
5	14	20	140	1,648	1,672	1,702	-	-	-	-	54	-	-	-	-	-	-	-
5	14	21	146	1,717	1,743	1,776	-	-	-	-	54	-	-	-	-	-	-	-
5	14	22	141	1,669	1,698	1,732	-	-	-	-	53	-	-	-	-	-	-	-
5	14	23	132	1,558	1,586	1,618	-	-	-	-	44	-	-	-	-	-	-	-
5	14	24	130	1,531	1,553	1,579	-	-	-	-	43	-	-	-	-	-	-	-
5	15	1	112	1,305	1,314	1,329	-	-	-	-	39	-	-	-	-	-	-	-
5	15	2	105	1,218	1,220	1,227	-	-	-	-	39	-	-	-	-	-	-	-
5	15	3	100	1,156	1,151	1,152	-	-	-	-	38	-	-	-	-	-	-	-
5	15	4	97	1,112	1,100	1,094	-	-	-	-	39	-	-	-	-	-	-	-
5	15	5	95	1,088	1,070	1,058	-	-	-	-	42	-	-	-	-	-	-	-
5	15	6	95	1,079	1,053	1,035	-	-	-	-	48	-	-	-	-	-	-	-
5	15	7	96	1,087	1,057	1,036	-	-	-	-	43	-	-	-	-	-	-	-
5	15	8	101	1,138	1,108	1,089	-	-	-	-	41	-	-	-	-	-	-	-
5	15	9	108	1,229	1,205	1,193	-	-	-	-	40	-	-	-	-	-	-	-
5	15	10	115	1,312	1,290	1,279	-	-	-	-	40	-	-	-	-	-	-	-
5	15	11	120	1,368	1,347	1,337	-	-	-	-	42	-	-	-	-	-	-	-
5	15	12	123	1,403	1,383	1,374	-	-	-	-	39	-	-	-	-	-	-	-
5	15	13	124	1,423	1,407	1,402	-	-	-	-	38	-	-	-	-	-	-	-
5	15	14	125	1,434	1,422	1,420	-	-	-	-	40	-	-	-	-	-	-	-
5	15	15	125	1,443	1,434	1,435	-	-	-	-	45	-	-	-	-	-	-	-
5	15	16	126	1,461	1,461	1,469	-	-	-	-	43	-	-	-	-	-	-	-
5	15	17	127	1,480	1,487	1,502	-	-	-	-	43	-	-	-	-	-	-	-
5	15	18	129	1,509	1,525	1,548	-	-	-	-	48	-	-	-	-	-	-	-
5	15	19	131	1,543	1,564	1,590	-	-	-	-	53	-	-	-	-	-	-	-
5	15	20	137	1,615	1,638	1,667	-	-	-	-	54	-	-	-	-	-	-	-
5	15	21	146	1,714	1,741	1,773	-	-	-	-	54	-	-	-	-	-	-	-
5	15	22	140	1,652	1,681	1,715	-	-	-	-	53	-	-	-	-	-	-	-
5	15	23	128	1,515	1,542	1,573	-	-	-	-	44	-	-	-	-	-	-	-
5	15	24	122	1,435	1,455	1,479	-	-	-	-	43	-	-	-	-	-	-	-
5	16	1	106	1,244	1,252	1,265	-	-	-	-	39	-	-	-	-	-	-	-
5	16	2	100	1,167	1,167	1,173	-	-	-	-	39	-	-	-	-	-	-	-
5	16	3	97	1,120	1,114	1,114	-	-	-	-	38	-	-	-	-	-	-	-
5	16	4	96	1,101	1,089	1,083	-	-	-	-	39	-	-	-	-	-	-	-
5	16	5	98	1,118	1,100	1,090	-	-	-	-	42	-	-	-	-	-	-	-
5	16	6	104	1,191	1,167	1,151	-	-	-	-	48	-	-	-	-	-	-	-
5	16	7	115	1,312	1,287	1,272	-	-	-	-	43	-	-	-	-	-	-	-
5	16	8	125	1,432	1,409	1,397	-	-	-	-	41	-	-	-	-	-	-	-
5	16	9	133	1,525	1,507	1,503	-	-	-	-	40	-	-	-	-	-	-	-
5	16	10	139	1,600	1,584	1,582	-	-	-	-	40	-	-	-	-	-	-	-
5	16	11	144	1,654	1,640	1,638	-	-	-	-	42	-	-	-	-	-	-	-
5	16	12	147	1,687	1,674	1,673	-	-	-	-	39	-	-	-	-	-	-	-
5	16	13	148	1,703	1,695	1,697	-	-	-	-	38	-	-	-	-	-	-	-
5	16	14	149	1,723	1,718	1,724	-	-	-	-	40	-	-	-	-	-	-	-
5	16	15	150	1,733	1,732	1,740	-	-	-	-	45	-	-	-	-	-	-	-
5	16	16	150	1,745	1,751	1,767	-	-	-	-	43	-	-	-	-	-	-	-
5	16	17	150	1,748	1,762	1,784	-	-	-	-	43	-	-	-	-	-	-	-
5	16	18	149	1,744	1,765	1,794	-	-	-	-	48	-	-	-	-	-	-	-
5	16	19	148	1,742	1,767	1,799	-	-	-	-	53	-	-	-	-	-	-	-
5	16	20	152	1,794	1,821	1,855	-	-	-	-	54	-	-	-	-	-	-	-
5	16	21	159	1,870	1,900	1,936	-	-	-	-	54	-	-	-	-	-	-	-
5	16	22	152	1,790	1,822	1,859	-	-	-	-	53	-	-	-	-	-	-	-
5	16	23	138	1,629	1,658	1,692	-	-	-	-	44	-	-	-	-	-	-	-
5	16	24	139	1,638	1,663	1,692	-	-	-	-	43	-	-	-	-	-	-	-
5	17	1	114	1,330	1,340	1,355	-	-	-	-	39	-	-	-	-	-	-	-
5	17	2	107	1,243	1,246	1,254	-	-	-	-	39	-	-	-	-	-	-	-
5	17	3	103	1,187	1,183	1,184	-	-	-	-	38	-	-	-	-	-	-	-
5	17	4	101	1,160	1,149	1,144	-	-	-	-	39	-	-	-	-	-	-	-
5	17	5	102	1,168	1,151	1,142	-	-	-	-	42	-	-	-	-	-	-	-
5	17	6	109	1,241	1,218	1,204	-	-	-	-	48	-	-	-	-	-	-	-
5	17	7	120	1,366	1,342	1,328	-	-	-	-	43	-	-	-	-	-	-	-
5	17	8	130	1,483	1,460	1,450	-	-	-	-	41	-	-	-	-	-	-	-
5	17	9	136	1,559	1,543	1,539	-	-	-	-	40	-	-	-	-	-	-	-
5	17	10	142	1,629	1,614	1,612	-	-	-	-	40	-	-	-	-	-	-	-
5	17	11	147	1,689	1,676	1,674	-	-	-	-	42	-	-	-	-	-	-	-
5	17	12	150	1,724	1,712	1,712	-	-	-	-	39	-	-	-	-	-	-	-
5	17	13	151	1,739	1,731	1,734	-	-	-	-	38	-	-	-	-	-	-	-
5	17	14	153	1,766	1,762	1,769	-	-	-	-	40	-	-	-	-	-	-	-
5	17	15	153	1,777	1,777	1,786	-	-	-	-	45	-	-	-	-	-	-	-
5	17	16	155	1,802	1,810	1,827	-	-	-	-	43	-	-	-	-	-	-	-
5	17	17	154	1,803	1,819	1,842	-	-	-	-	43	-	-	-	-	-	-	-
5	17	18	153	1,795	1,818	1,848	-	-	-	-	48	-	-	-	-	-	-	-
5	17	19	151	1,775	1,801	1,834	-	-	-	-	53	-	-	-	-	-	-	-
5	17	20	154	1,811	1,839	1,873	-	-	-	-	54	-	-	-	-	-	-	-
5	17	21	160	1,889	1,920	1,956	-	-	-	-	54	-	-	-	-	-	-	-
5	17	22	153	1,810	1,842	1,880	-	-	-	-	53	-	-	-	-	-	-	-
5	17	23	139	1,640	1,669	1,703	-	-	-	-	44	-	-	-	-	-	-	-
5	17	24	142	1,668	1,693	1,723	-	-	-	-	43	-	-	-	-	-	-	-
5	18	1	115	1,340	1,351	1,367	-	-	-	-	39	-	-	-	-	-	-	-
5	18	2	108	1,253	1,255	1,264	-	-	-	-	39	-	-	-	-	-	-	-
5	18	3	103	1,193	1,189	1,191	-	-	-	-	38	-	-	-	-	-	-	-
5	18	4	101	1,166	1,155	1,151	-	-	-	-	39	-	-	-	-	-	-	-
5	18	5	102	1,173	1,156	1,147	-	-	-	-	42	-	-	-	-	-	-	-
5	18	6	109	1,238	1,216	1,202	-	-	-	-	48	-	-	-	-	-	-	-
5	18	7	119	1,361	1,337	1,323	-	-	-	-	43	-	-	-	-	-	-	-
5	18	8	129	1,475	1,453	1,443	-	-	-	-	41	-	-	-	-	-	-	-
5	18	9	135	1,546	1,529	1,525	-	-	-	-	40	-	-	-	-	-	-	-
5	18	10	140	1,612	1,597	1,594	-	-	-	-	40	-	-	-	-	-	-	-
5	18	11	145	1,674	1,660	1,658	-	-	-	-	42	-	-	-	-	-	-	-
5	18	12	149	1,720	1,707	1,707	-	-	-	-	39	-	-	-	-	-	-	-
5	18	13	152	1,751	1,744	1,747	-	-	-	-	38	-	-	-	-	-	-	-
5	18	14	155	1,791	1,788	1,795	-	-	-	-	40	-	-	-	-	-	-	-
5	18	15	156	1,808	1,809	1,819	-	-	-	-	45	-	-	-	-	-	-	-
5	18	16	157	1,827	1,835	1,853	-	-	-	-	43	-	-	-	-	-	-	-
5	18	17	156	1,830	1,845	1,869	-	-	-	-	43	-	-	-	-	-	-	-
5	18	18	155	1,824	1,847	1,878	-	-	-	-	48	-	-	-	-	-	-	-
5	18	19	154	1,809	1,835	1,869	-	-	-	-	53	-	-	-	-	-	-	-
5	18	20	157	1,843	1,871	1,906	-	-	-	-	54	-	-	-	-	-	-	-
5	18	21	161	1,896	1,927	1,964	-	-	-	-	54	-	-	-	-	-	-	-
5	18	22	153	1,811	1,844	1,881	-	-	-	-	53	-	-	-	-	-	-	-
5	18	23	139	1,638	1,668	1,702	-	-	-	-	44	-	-	-	-	-	-	-
5	18	24	143	1,679	1,704	1,735	-	-	-	-	43	-	-	-	-	-	-	-
5	19	1	114	1,337	1,348	1,363	-	-	-	-	39	-	-	-	-	-	-	-
5	19	2	107	1,250	1,253	1,261	-	-	-	-	39	-	-	-	-	-	-	-
5	19	3	103	1,195	1,191	1,193	-	-	-	-	38	-	-	-	-	-	-	-
5	19	4	101	1,167	1,156	1,152	-	-	-	-	39	-	-	-	-	-	-	-
5	19	5	103	1,177	1,161	1,152	-	-	-	-	42	-	-	-	-	-	-	-

			Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	14	19	3	206	206	453	-	25	25	25	-	(3)	1	9	-	-	-	-
5	14	20	0	58	58	305	-	25	25	25	-	5	1	6	-	-	-	-
5	14	21	-	78	78	325	-	25	25	25	-	3	7	12	-	-	-	-
5	14	22	-	78	78	325	-	25	25	25	-	2	4	4	-	-	-	-
5	14	23	-	63	63	310	-	25	25	25	-	6	4	13	-	-	-	-
5	14	24	-	46	46	293	-	25	25	25	-	9	9	3	-	-	-	-
5	15	1	-	31	31	278	-	25	25	25	-	5	7	5	-	-	-	-
5	15	2	-	22	22	269	-	25	25	25	-	5	4	0	-	-	-	-
5	15	3	-	17	17	264	-	25	25	25	-	12	6	2	-	-	-	-
5	15	4	-	13	13	260	-	25	25	25	-	11	6	1	-	-	-	-
5	15	5	0	29	29	276	-	25	25	25	-	14	10	(2)	-	-	-	-
5	15	6	12	775	776	1,024	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-
5	15	7	25	1,523	1,533	1,789	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-
5	15	8	40	2,105	2,161	2,459	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-
5	15	9	51	2,489	2,590	2,927	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-
5	15	10	58	2,701	2,836	3,203	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-
5	15	11	60	2,651	2,807	3,194	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-
5	15	12	61	2,658	2,827	3,225	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-
5	15	13	63	2,724	2,899	3,302	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-
5	15	14	62	2,704	2,870	3,266	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-
5	15	15	54	2,340	2,484	2,860	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-
5	15	16	49	2,278	2,387	2,731	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-
5	15	17	36	1,768	1,836	2,144	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-
5	15	18	18	1,007	1,026	1,290	-	25	25	25	-	(2)	(3)	1	-	-	-	-
5	15	19	2	189	189	436	-	25	25	25	-	(3)	1	9	-	-	-	-
5	15	20	0	60	60	307	-	25	25	25	-	5	1	6	-	-	-	-
5	15	21	-	59	59	306	-	25	25	25	-	3	7	12	-	-	-	-
5	15	22	-	54	54	301	-	25	25	25	-	2	4	4	-	-	-	-
5	15	23	-	55	55	302	-	25	25	25	-	6	4	13	-	-	-	-
5	15	24	-	54	54	301	-	25	25	25	-	9	9	3	-	-	-	-
5	16	1	-	51	51	298	-	25	25	25	-	5	7	5	-	-	-	-
5	16	2	-	38	38	285	-	25	25	25	-	5	4	0	-	-	-	-
5	16	3	-	21	21	268	-	25	25	25	-	12	6	2	-	-	-	-
5	16	4	-	11	11	258	-	25	25	25	-	11	6	1	-	-	-	-
5	16	5	0	25	25	272	-	25	25	25	-	14	10	(2)	-	-	-	-
5	16	6	12	757	758	1,006	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-
5	16	7	25	1,532	1,542	1,798	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-
5	16	8	40	2,126	2,183	2,481	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-
5	16	9	52	2,505	2,610	2,952	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-
5	16	10	59	2,707	2,849	3,224	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-
5	16	11	63	2,789	2,956	3,352	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-
5	16	12	65	2,812	2,988	3,394	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-
5	16	13	65	2,800	2,977	3,383	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-
5	16	14	63	2,751	2,920	3,320	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-
5	16	15	59	2,655	2,807	3,191	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-
5	16	16	51	2,396	2,517	2,872	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-
5	16	17	38	1,885	1,960	2,274	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-
5	16	18	19	1,105	1,127	1,393	-	25	25	25	-	(2)	(3)	1	-	-	-	-
5	16	19	3	232	232	479	-	25	25	25	-	(3)	1	9	-	-	-	-
5	16	20	0	77	77	324	-	25	25	25	-	5	1	6	-	-	-	-
5	16	21	-	66	66	313	-	25	25	25	-	3	7	12	-	-	-	-
5	16	22	-	49	49	296	-	25	25	25	-	2	4	4	-	-	-	-
5	16	23	-	44	44	291	-	25	25	25	-	6	4	13	-	-	-	-
5	16	24	-	40	40	287	-	25	25	25	-	9	9	3	-	-	-	-
5	17	1	-	39	39	286	-	25	25	25	-	5	7	5	-	-	-	-
5	17	2	-	34	34	281	-	25	25	25	-	5	4	0	-	-	-	-
5	17	3	-	29	29	276	-	25	25	25	-	12	6	2	-	-	-	-
5	17	4	-	32	32	279	-	25	25	25	-	11	6	1	-	-	-	-
5	17	5	0	47	47	294	-	25	25	25	-	14	10	(2)	-	-	-	-
5	17	6	11	725	727	975	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-
5	17	7	25	1,489	1,499	1,755	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-
5	17	8	40	2,107	2,165	2,465	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-
5	17	9	52	2,496	2,605	2,949	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-
5	17	10	60	2,733	2,877	3,253	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-
5	17	11	64	2,815	2,980	3,375	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-
5	17	12	65	2,816	2,992	3,396	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-
5	17	13	65	2,787	2,965	3,371	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-
5	17	14	63	2,759	2,929	3,328	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-
5	17	15	59	2,650	2,802	3,185	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-
5	17	16	51	2,396	2,517	2,872	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-
5	17	17	38	1,915	1,990	2,304	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-
5	17	18	19	1,130	1,151	1,417	-	25	25	25	-	(2)	(3)	1	-	-	-	-
5	17	19	3	261	261	509	-	25	25	25	-	(3)	1	9	-	-	-	-
5	17	20	0	72	72	319	-	25	25	25	-	5	1	6	-	-	-	-
5	17	21	-	67	67	314	-	25	25	25	-	3	7	12	-	-	-	-
5	17	22	-	69	69	316	-	25	25	25	-	2	4	4	-	-	-	-
5	17	23	-	70	70	317	-	25	25	25	-	6	4	13	-	-	-	-
5	17	24	-	74	74	321	-	25	25	25	-	9	9	3	-	-	-	-
5	18	1	-	70	70	317	-	25	25	25	-	5	7	5	-	-	-	-
5	18	2	-	52	52	299	-	25	25	25	-	5	4	0	-	-	-	-
5	18	3	-	32	32	279	-	25	25	25	-	12	6	2	-	-	-	-
5	18	4	-	28	28	275	-	25	25	25	-	11	6	1	-	-	-	-
5	18	5	0	44	44	291	-	25	25	25	-	14	10	(2)	-	-	-	-
5	18	6	11	697	698	946	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-
5	18	7	25	1,491	1,501	1,757	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-
5	18	8	40	2,113	2,172	2,472	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-
5	18	9	52	2,517	2,625	2,969	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-
5	18	10	59	2,707	2,850	3,226	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-
5	18	11	63	2,784	2,949	3,343	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-
5	18	12	64	2,800	2,976	3,380	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-
5	18	13	64	2,782	2,958	3,363	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-
5	18	14	63	2,757	2,924	3,321	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-
5	18	15	59	2,674	2,823	3,204	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-
5	18	16	51	2,428	2,546	2,898	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-
5	18	17	38	1,922	1,995	2,307	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-
5	18	18	20	1,130	1,152	1,418	-	25	25	25	-	(2)	(3)	1	-	-	-	-
5	18	19	3	280	280	528	-	25	25	25	-	(3)	1	9	-	-	-	-
5	18	20	0	74	74	321	-	25	25	25	-	5	1	6	-	-	-	-
5	18	21	-	71	71	318	-	25	25	25	-	3	7	12	-	-	-	-
5	18	22	-	73	73	320	-	25	25	25	-	2	4	4	-	-	-	-
5	18	23	-	74	74	321	-	25	25	25	-	6	4	13	-	-	-	-
5	18	24	-	72	72	319	-	25	25	25	-	9	9	3	-	-	-	-
5	19	1	-	66	66	313	-	25	25	25	-	5	7	5	-	-	-	-
5	19	2	-	60	60	307	-	25	25	25	-	5	4	0	-	-	-	-
5	19	3	-	54	54	301	-	25	25	25	-	12	6	2	-	-	-	-
5	19	4	-	42	42	289	-	25	25	25	-	11	6	1	-	-	-	-
5	19	5	0	62	62	309	-	25	25	25	-	14	10	(2)	-	-	-	-

			Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	14	19	80	1,365	1,383	1,155	0.403	0.407	0.400	0.393	32	555	553	454
5	14	20	86	1,560	1,588	1,366	0.404	0.420	0.411	0.395	35	656	653	540
5	14	21	92	1,610	1,633	1,414	0.402	0.408	0.400	0.392	37	656	654	555
5	14	22	89	1,564	1,590	1,378	0.397	0.404	0.395	0.387	35	631	629	533
5	14	23	88	1,464	1,494	1,269	0.396	0.406	0.398	0.382	35	594	594	485
5	14	24	88	1,451	1,473	1,258	0.392	0.409	0.400	0.379	34	594	589	477
5	15	1	73	1,244	1,252	1,021	0.393	0.407	0.399	0.375	29	506	500	383
5	15	2	65	1,166	1,169	933	0.393	0.405	0.399	0.372	26	472	466	347
5	15	3	62	1,102	1,103	861	0.405	0.406	0.399	0.372	25	448	440	320
5	15	4	57	1,063	1,056	808	0.392	0.407	0.399	0.372	23	433	421	301
5	15	5	53	1,020	1,005	760	0.398	0.409	0.401	0.378	21	417	403	287
5	15	6	35	281	252	(12)	0.398	0.407	0.399	0.375	14	115	100	(5)
5	15	7	27	(457)	(501)	(778)	0.396	0.333	0.321	0.382	11	(152)	(161)	(298)
5	15	8	20	(988)	(1,076)	(1,395)	0.388	0.320	0.314	0.321	8	(316)	(338)	(448)
5	15	9	17	(1,272)	(1,406)	(1,755)	0.394	0.243	0.240	0.000	7	(309)	(337)	-
5	15	10	17	(1,399)	(1,551)	(1,935)	0.314	0.243	0.243	0.000	5	(340)	(377)	-
5	15	11	17	(1,292)	(1,470)	(1,867)	0.317	0.243	0.243	0.000	5	(314)	(357)	-
5	15	12	22	(1,267)	(1,453)	(1,860)	0.310	0.243	0.243	0.000	7	(308)	(353)	-
5	15	13	23	(1,316)	(1,502)	(1,911)	0.315	0.243	0.243	0.000	7	(320)	(365)	-
5	15	14	23	(1,287)	(1,466)	(1,863)	0.317	0.243	0.243	0.000	7	(313)	(356)	-
5	15	15	26	(919)	(1,071)	(1,446)	0.316	0.240	0.240	0.195	8	(221)	(257)	(281)
5	15	16	34	(838)	(950)	(1,286)	0.321	0.247	0.230	0.240	11	(207)	(218)	(309)
5	15	17	48	(313)	(373)	(666)	0.398	0.246	0.320	0.234	19	(77)	(120)	(156)
5	15	18	64	480	477	232	0.400	0.332	0.396	0.386	25	159	189	90
5	15	19	76	1,332	1,348	1,120	0.403	0.407	0.400	0.393	30	542	540	440
5	15	20	83	1,525	1,551	1,328	0.404	0.420	0.411	0.395	34	641	638	525
5	15	21	92	1,627	1,650	1,431	0.402	0.408	0.400	0.392	37	663	661	561
5	15	22	87	1,571	1,598	1,385	0.397	0.404	0.395	0.387	35	634	632	536
5	15	23	84	1,430	1,458	1,233	0.396	0.406	0.398	0.382	33	580	580	471
5	15	24	80	1,347	1,366	1,149	0.392	0.409	0.400	0.379	31	551	547	436
5	16	1	68	1,163	1,169	937	0.393	0.407	0.399	0.375	27	473	467	352
5	16	2	61	1,098	1,099	862	0.393	0.405	0.399	0.372	24	445	438	321
5	16	3	59	1,062	1,062	820	0.405	0.406	0.399	0.372	24	432	423	305
5	16	4	57	1,054	1,047	798	0.392	0.407	0.399	0.372	22	429	417	297
5	16	5	55	1,054	1,040	795	0.398	0.409	0.401	0.378	22	431	417	300
5	16	6	45	410	383	122	0.398	0.407	0.399	0.375	18	167	153	46
5	16	7	46	(242)	(280)	(551)	0.396	0.333	0.321	0.382	18	(81)	(90)	(211)
5	16	8	44	(714)	(797)	(1,109)	0.388	0.320	0.314	0.321	17	(229)	(250)	(356)
5	16	9	41	(992)	(1,124)	(1,470)	0.394	0.243	0.240	0.000	16	(241)	(269)	-
5	16	10	41	(1,116)	(1,270)	(1,654)	0.314	0.243	0.243	0.000	13	(271)	(308)	-
5	16	11	38	(1,144)	(1,325)	(1,724)	0.317	0.243	0.243	0.000	12	(278)	(322)	-
5	16	12	43	(1,136)	(1,323)	(1,731)	0.310	0.243	0.243	0.000	13	(276)	(321)	-
5	16	13	45	(1,110)	(1,292)	(1,697)	0.315	0.243	0.243	0.000	14	(270)	(314)	-
5	16	14	46	(1,045)	(1,221)	(1,613)	0.317	0.243	0.243	0.000	15	(254)	(296)	-
5	16	15	45	(944)	(1,097)	(1,472)	0.316	0.240	0.240	0.195	14	(227)	(264)	(287)
5	16	16	55	(674)	(790)	(1,129)	0.321	0.247	0.230	0.240	18	(166)	(182)	(271)
5	16	17	69	(161)	(222)	(514)	0.398	0.246	0.320	0.234	27	(40)	(71)	(120)
5	16	18	82	616	616	374	0.400	0.332	0.396	0.386	33	204	244	145
5	16	19	92	1,488	1,509	1,285	0.403	0.407	0.400	0.393	37	605	604	504
5	16	20	98	1,687	1,718	1,500	0.404	0.420	0.411	0.395	40	709	706	593
5	16	21	105	1,775	1,802	1,587	0.402	0.408	0.400	0.392	42	724	721	622
5	16	22	99	1,713	1,743	1,533	0.397	0.404	0.395	0.387	39	691	689	593
5	16	23	94	1,554	1,585	1,363	0.396	0.406	0.398	0.382	37	630	631	520
5	16	24	97	1,564	1,588	1,377	0.392	0.409	0.400	0.379	38	640	636	522
5	17	1	75	1,260	1,269	1,039	0.393	0.407	0.399	0.375	29	513	506	390
5	17	2	68	1,179	1,182	947	0.393	0.405	0.399	0.372	27	478	471	352
5	17	3	65	1,120	1,122	881	0.405	0.406	0.399	0.372	26	455	447	328
5	17	4	61	1,091	1,085	838	0.392	0.407	0.399	0.372	24	444	433	312
5	17	5	60	1,082	1,069	826	0.398	0.409	0.401	0.378	24	443	429	312
5	17	6	50	492	466	207	0.398	0.407	0.399	0.375	20	200	186	77
5	17	7	51	(146)	(182)	(453)	0.396	0.333	0.321	0.382	20	(48)	(59)	(173)
5	17	8	49	(645)	(728)	(1,040)	0.388	0.320	0.314	0.321	19	(207)	(229)	(334)
5	17	9	44	(949)	(1,083)	(1,430)	0.394	0.243	0.240	0.000	17	(231)	(260)	-
5	17	10	42	(1,114)	(1,269)	(1,652)	0.314	0.243	0.243	0.000	13	(271)	(308)	-
5	17	11	41	(1,135)	(1,313)	(1,710)	0.317	0.243	0.243	0.000	13	(276)	(319)	-
5	17	12	46	(1,104)	(1,289)	(1,694)	0.310	0.243	0.243	0.000	14	(268)	(313)	-
5	17	13	48	(1,061)	(1,243)	(1,648)	0.315	0.243	0.243	0.000	15	(258)	(302)	-
5	17	14	50	(1,011)	(1,185)	(1,575)	0.317	0.243	0.243	0.000	16	(245)	(288)	-
5	17	15	49	(894)	(1,046)	(1,420)	0.316	0.240	0.240	0.195	16	(215)	(251)	(276)
5	17	16	60	(616)	(731)	(1,068)	0.321	0.247	0.230	0.240	19	(152)	(168)	(256)
5	17	17	73	(137)	(195)	(485)	0.398	0.246	0.320	0.234	29	(34)	(63)	(113)
5	17	18	86	642	644	405	0.400	0.332	0.396	0.386	34	213	255	156
5	17	19	94	1,492	1,514	1,291	0.403	0.407	0.400	0.393	38	607	606	507
5	17	20	99	1,708	1,740	1,522	0.404	0.420	0.411	0.395	40	718	715	602
5	17	21	106	1,793	1,820	1,606	0.402	0.408	0.400	0.392	43	731	729	630
5	17	22	101	1,713	1,744	1,535	0.397	0.404	0.395	0.387	40	692	689	594
5	17	23	95	1,539	1,570	1,348	0.396	0.406	0.398	0.382	37	624	625	515
5	17	24	99	1,560	1,585	1,374	0.392	0.409	0.400	0.379	39	638	634	521
5	18	1	76	1,241	1,249	1,020	0.393	0.407	0.399	0.375	30	505	499	383
5	18	2	68	1,171	1,174	940	0.393	0.405	0.399	0.372	27	474	468	350
5	18	3	65	1,124	1,126	885	0.405	0.406	0.399	0.372	26	457	449	329
5	18	4	62	1,101	1,096	849	0.392	0.407	0.399	0.372	24	449	437	316
5	18	5	60	1,089	1,077	833	0.398	0.409	0.401	0.378	24	446	432	315
5	18	6	50	518	492	232	0.398	0.407	0.399	0.375	20	211	197	87
5	18	7	51	(152)	(189)	(459)	0.396	0.333	0.321	0.382	20	(50)	(61)	(176)
5	18	8	48	(659)	(742)	(1,054)	0.388	0.320	0.314	0.321	19	(211)	(233)	(339)
5	18	9	42	(983)	(1,117)	(1,464)	0.394	0.243	0.240	0.000	17	(239)	(268)	-
5	18	10	41	(1,104)	(1,259)	(1,643)	0.314	0.243	0.243	0.000	13	(268)	(306)	-
5	18	11	40	(1,120)	(1,298)	(1,695)	0.317	0.243	0.243	0.000	13	(272)	(315)	-
5	18	12	46	(1,092)	(1,277)	(1,683)	0.310	0.243	0.243	0.000	14	(265)	(310)	-
5	18	13	50	(1,045)	(1,224)	(1,626)	0.315	0.243	0.243	0.000	16	(254)	(297)	-
5	18	14	52	(983)	(1,155)	(1,542)	0.317	0.243	0.243	0.000	17	(239)	(280)	-
5	18	15	52	(888)	(1,036)	(1,406)	0.316	0.240	0.240	0.195	16	(213)	(249)	(274)
5	18	16	62	(623)	(735)	(1,069)	0.321	0.247	0.230	0.240	20	(154)	(169)	(256)
5	18	17	75	(117)	(174)	(462)	0.398	0.246	0.320	0.234	30	(29)	(56)	(108)
5	18	18	88	670	673	434	0.400	0.332	0.396	0.386	35	223	266	168
5	18	19	97	1,506	1,529	1,307	0.403	0.407	0.400	0.393	39	613	612	513
5	18	20	102	1,739	1,772	1,555	0.404	0.420	0.411	0.395	41	731	728	615
5	18	21	107	1,796	1,823	1,609	0.402	0.408	0.400	0.392	43	732	730	631
5	18	22	101	1,711	1,741	1,532	0.397	0.404	0.395	0.387	40	690	688	593
5	18	23	95	1,534	1,565	1,343	0.396	0.406	0.398	0.382	37	622	623	513
5	18	24	100	1,573	1,598	1,387	0.392	0.409	0.400	0.379	39	644	639	526
5	19	1	76	1,240	1,249	1,019	0.393	0.407	0.399	0.375	30	505	498	383
5	19	2	68	1,160	1,164	929	0.393	0.405	0.399	0.372	27	470	464	346
5	19	3	65	1,104	1,106	866	0.405	0.406	0.399	0.372	26	449	441	322
5	19	4	62	1,089	1,083	836	0.392	0.407	0.399	0.372	24	443	432	311
5	19	5	60	1,076	1,064	820	0.398	0.409	0.401	0.378	24	440	427	310

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	19	6	109	1,245	1,223	1,209	-	-	-	-	48	-	-	-	-	-	-	-	11	727	729	977	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	50	495	469	209	0.398	0.407	0.399	0.375	20	201	187	78
5	19	7	120	1,375	1,351	1,337	-	-	-	-	43	-	-	-	-	-	-	-	25	1,500	1,509	1,765	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	52	(147)	(183)	(453)	0.396	0.333	0.321	0.382	21	(49)	(59)	(173)
5	19	8	131	1,504	1,482	1,472	-	-	-	-	41	-	-	-	-	-	-	-	39	2,064	2,122	2,421	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	51	(581)	(663)	(974)	0.388	0.320	0.314	0.321	20	(186)	(208)	(313)
5	19	9	138	1,579	1,563	1,560	-	-	-	-	40	-	-	-	-	-	-	-	52	2,512	2,621	2,964	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	45	(945)	(1,079)	(1,425)	0.394	0.243	0.240	0.000	18	(230)	(259)	-
5	19	10	143	1,648	1,633	1,631	-	-	-	-	40	-	-	-	-	-	-	-	59	2,718	2,860	3,235	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	45	(1,080)	(1,232)	(1,614)	0.314	0.243	0.243	0.000	14	(262)	(299)	-
5	19	11	149	1,713	1,700	1,699	-	-	-	-	42	-	-	-	-	-	-	-	63	2,793	2,958	3,352	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	43	(1,090)	(1,267)	(1,663)	0.317	0.243	0.243	0.000	14	(265)	(308)	-
5	19	12	151	1,740	1,728	1,727	-	-	-	-	39	-	-	-	-	-	-	-	64	2,815	2,990	3,394	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	47	(1,087)	(1,272)	(1,676)	0.310	0.243	0.243	0.000	15	(264)	(309)	-
5	19	13	151	1,745	1,737	1,740	-	-	-	-	38	-	-	-	-	-	-	-	64	2,802	2,977	3,380	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	49	(1,071)	(1,250)	(1,651)	0.315	0.243	0.243	0.000	16	(260)	(304)	-
5	19	14	151	1,748	1,743	1,749	-	-	-	-	40	-	-	-	-	-	-	-	63	2,788	2,955	3,350	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	49	(1,058)	(1,230)	(1,618)	0.317	0.243	0.243	0.000	15	(257)	(299)	-
5	19	15	152	1,768	1,767	1,776	-	-	-	-	45	-	-	-	-	-	-	-	58	2,666	2,812	3,190	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	49	(920)	(1,067)	(1,436)	0.316	0.240	0.240	0.195	15	(221)	(256)	(279)
5	19	16	154	1,789	1,796	1,812	-	-	-	-	43	-	-	-	-	-	-	-	51	2,422	2,537	2,888	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	59	(655)	(766)	(1,099)	0.321	0.247	0.230	0.240	19	(162)	(176)	(264)
5	19	17	154	1,800	1,815	1,838	-	-	-	-	43	-	-	-	-	-	-	-	37	1,894	1,963	2,272	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	74	(119)	(173)	(458)	0.398	0.246	0.320	0.234	29	(29)	(55)	(107)
5	19	18	152	1,783	1,805	1,835	-	-	-	-	48	-	-	-	-	-	-	-	19	1,124	1,144	1,408	-	25	25	25	-	(2)	(3)	1	-	-	-	-	85	636	639	400	0.400	0.332	0.396	0.386	34	211	253	155
5	19	19	150	1,762	1,787	1,819	-	-	-	-	53	-	-	-	-	-	-	-	3	278	278	526	-	25	25	25	-	(3)	1	9	-	-	-	-	93	1,462	1,483	1,259	0.403	0.407	0.400	0.393	37	594	593	494
5	19	20	154	1,811	1,838	1,872	-	-	-	-	54	-	-	-	-	-	-	-	0	87	87	334	-	25	25	25	-	5	1	6	-	-	-	-	99	1,694	1,725	1,507	0.404	0.420	0.411	0.395	40	712	709	596
5	19	21	159	1,873	1,903	1,940	-	-	-	-	54	-	-	-	-	-	-	-	-	82	82	329	-	25	25	25	-	3	7	12	-	-	-	-	105	1,763	1,789	1,574	0.402	0.408	0.400	0.392	42	719	716	618
5	19	22	152	1,793	1,825	1,862	-	-	-	-	53	-	-	-	-	-	-	-	-	68	68	315	-	25	25	25	-	2	4	4	-	-	-	-	99	1,697	1,727	1,518	0.397	0.404	0.395	0.387	39	685	683	587
5	19	23	138	1,631	1,661	1,694	-	-	-	-	44	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	6	4	13	-	-	-	-	94	1,539	1,570	1,348	0.396	0.406	0.398	0.382	37	624	625	515
5	19	24	143	1,686	1,712	1,742	-	-	-	-	43	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	9	9	3	-	-	-	-	101	1,597	1,622	1,411	0.392	0.409	0.400	0.379	39	653	649	535
5	20	1	114	1,333	1,344	1,359	-	-	-	-	39	-	-	-	-	-	-	-	-	60	60	307	-	25	25	25	-	5	7	5	-	-	-	-	75	1,243	1,251	1,022	0.393	0.407	0.399	0.375	30	506	499	383
5	20	2	108	1,251	1,254	1,262	-	-	-	-	39	-	-	-	-	-	-	-	-	55	55	302	-	25	25	25	-	5	4	0	-	-	-	-	68	1,166	1,169	934	0.393	0.405	0.399	0.372	27	472	466	348
5	20	3	103	1,193	1,189	1,191	-	-	-	-	38	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	12	6	2	-	-	-	-	65	1,102	1,104	863	0.405	0.406	0.399	0.372	26	448	440	321
5	20	4	101	1,156	1,145	1,140	-	-	-	-	39	-	-	-	-	-	-	-	-	51	51	298	-	25	25	25	-	11	6	1	-	-	-	-	61	1,069	1,063	815	0.392	0.407	0.399	0.372	24	435	424	304
5	20	5	102	1,165	1,149	1,139	-	-	-	-	42	-	-	-	-	-	-	-	0	54	54	301	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,073	1,060	816	0.398	0.409	0.401	0.378	24	439	425	308
5	20	6	108	1,226	1,203	1,188	-	-	-	-	48	-	-	-	-	-	-	-	11	704	705	953	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	49	499	473	212	0.398	0.407	0.399	0.375	20	203	189	80
5	20	7	117	1,338	1,313	1,298	-	-	-	-	43	-	-	-	-	-	-	-	24	1,478	1,489	1,747	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	50	(162)	(201)	(474)	0.396	0.333	0.321	0.382	20	(54)	(65)	(181)
5	20	8	127	1,452	1,429	1,418	-	-	-	-	41	-	-	-	-	-	-	-	39	2,078	2,136	2,435	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	47	(647)	(730)	(1,042)	0.388	0.320	0.314	0.321	18	(207)	(229)	(335)
5	20	9	133	1,522	1,504	1,499	-	-	-	-	40	-	-	-	-	-	-	-	52	2,524	2,631	2,974	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	41	(1,015)	(1,148)	(1,496)	0.394	0.243	0.240	0.000	16	(246)	(275)	-
5	20	10	139	1,590	1,574	1,571	-	-	-	-	40	-	-	-	-	-	-	-	59	2,745	2,888	3,262	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	40	(1,164)	(1,319)	(1,703)	0.314	0.243	0.243	0.000	12	(283)	(320)	-
5	20	11	143	1,643	1,628	1,626	-	-	-	-	42	-	-	-	-	-	-	-	63	2,819	2,984	3,379	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	37	(1,185)	(1,365)	(1,763)	0.317	0.243	0.243	0.000	12	(288)	(332)	-
5	20	12	145	1,669	1,655	1,653	-	-	-	-	39	-	-	-	-	-	-	-	65	2,863	3,038	3,441	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	41	(1,206)	(1,392)	(1,798)	0.310	0.243	0.243	0.000	13	(293)	(338)	-
5	20	13	146	1,680	1,671	1,672	-	-	-	-	38	-	-	-	-	-	-	-	64	2,854	3,027	3,429	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	44	(1,187)	(1,366)	(1,768)	0.315	0.243	0.243	0.000	14	(288)	(332)	-
5	20	14	146	1,689	1,683	1,688	-	-	-	-	40	-	-	-	-	-	-	-	62	2,832	2,997	3,392	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	44	(1,160)	(1,332)	(1,721)	0.317	0.243	0.243	0.000	14	(282)	(324)	-
5	20	15	146	1,686	1,683	1,690	-	-	-	-	45	-	-	-	-	-	-	-	59	2,732	2,877	3,254	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	42	(1,068)	(1,216)	(1,586)	0.316	0.240	0.240	0.195	13	(257)	(292)	(309)
5	20	16	144	1,678	1,683	1,697	-	-	-	-	43	-	-	-	-	-	-	-	51	2,484	2,600	2,950	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	50	(828)	(941)	(1,277)	0.321	0.247	0.230	0.240	16	(205)	(216)	(307)
5	20	17	143	1,670	1,682	1,702	-	-	-	-	43	-	-	-	-	-	-	-	38	1,968	2,041	2,353	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	62	(322)	(383)	(675)	0.398	0.246	0.320	0.234	25	(79)	(123)	(158)
5	20	18	141	1,654	1,673	1,699	-	-	-	-	48	-	-	-	-	-	-	-	19	1,164	1,186	1,453	-	25	25	25	-	(2)	(3)	1	-	-	-	-	74	467	464	220	0.400	0.332	0.396	0.386	30	155	184	85
5	20	19	139	1,639	1,661	1,690	-	-	-	-	53	-	-	-	-	-	-	-	3	310	310	558	-	25	25	25	-	(3)	1	9	-	-	-	-	83	1,306	1,325	1,098	0.403	0.407	0.400	0.393	33	531	530	431
5	20	20	142	1,673	1,698	1,728	-	-	-	-	54	-	-	-	-	-	-	-	0	102	102	349	-	25	25	25	-	5	1	6	-	-	-	-	88	1,541	1,569	1,348	0.404	0.420	0.411	0.395	36	648	645	533
5	20	21	150	1,765	1,793	1,827	-	-	-	-	54	-	-	-	-	-	-	-	-	95	95	342	-	25	25	25	-	3	7	12	-	-	-	-	96	1,642	1,666	1,448	0.402	0.408	0.400	0.392	39	670	667	568
5	20	22	146	1,720	1,750	1,786	-	-	-	-	53	-	-	-	-	-	-	-	-	85	85	332	-	25	25	25	-	2	4	4	-	-	-	-	93	1,608	1,636	1,425	0.397	0.404	0.395	0.387	37	649	647	551
5	20	23	136	1,604	1,632	1,665	-	-	-	-	44	-	-	-	-	-	-	-	-	77	77	324	-	25	25	25	-	6	4	13	-	-	-	-	92	1,496	1,526	1,303	0.396	0.406	0.398	0.382	36	607	607	497
5	20	24	138	1,623	1,647	1,675	-	-	-	-	43	-	-	-	-	-	-	-	-	83	83	330	-	25	25	25	-	9	9	3	-	-	-	-	95	1,506	1,529	1,317	0.392	0.409	0.400	0.379	37	616	612	499
5	21	1	114	1,328	1,339	1,354	-	-	-	-	39	-	-	-	-	-	-	-	-	87	87	334	-	25	25	25	-	5	7	5	-	-	-	-	75	1,211	1,220	990	0.393	0.407	0.399	0.375	29	493	487	371
5	21	2	107	1,242	1,244	1,252	-	-	-	-	39	-	-	-	-	-	-	-	-	89	89	336	-	25	25	25	-	5	4	0	-	-	-	-	68	1,122	1,126	891	0.393	0.405	0.399	0.372	27	455	449	331
5	21	3	102	1,183	1,179	1,181	-	-	-	-	38	-	-	-	-	-	-	-	-	88	88	335	-	25	25	25	-	12	6	2	-	-	-	-	64	1,058	1,060	819	0.405	0.406	0.399	0.372	26	430	423	305
5	21	4	99	1,144	1,133	1,128	-	-	-	-	39	-	-	-	-	-	-	-	-	86	86	333	-	25	25	25	-	11	6	1	-	-	-	-	60	1,022	1,016	769	0.392	0.407	0.399	0.372	24	416	405	286
5	21	5	99	1,132	1,115	1,105	-	-	-	-	42	-	-	-	-	-	-	-	0	102	102	349	-	25	25	25	-	14	10	(2)	-	-	-	-	56	991	977	732	0.398	0.409	0.401	0.378	22	405	392	277
5	21	6	101	1,152	1,128	1,111	-	-	-	-	48	-	-	-	-	-	-	-	13	859	860	1,108	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	41	271	242	(20)	0.398	0.407	0.399	0.375	16	110	97	(7)
5	21	7	103	1,170	1,141	1,122	-	-	-	-	43	-	-	-	-	-	-	-	26	1,628	1,637	1,893	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	34	(480)	(521)	(795)	0.396	0.333	0.321	0.382	13	(160)	(167)	(304)
5	21	8	109	1,232	1,203	1,187	-	-	-	-	41	-	-	-	-	-	-	-	41	2,244	2,301	2,600	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	27	(1,033)	(1,121)	(1,438)	0.388	0.320	0.314	0.321	10	(331)	(352)	(462)
5	21	9	116	1,325	1,303	1,293	-	-	-	-	40	-	-	-	-	-	-	-	53	2,654	2,760	3,102	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	23	(1,342)	(1,478)	(1,829)	0.394	0.243	0.240	0.000	9	(326)	(354)	-
5	21	10	123	1,409	1,389	1,381	-	-	-	-	40	-	-	-	-	-	-	-	60	2,827	2,968	3,341	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	24	(1,428)	(1,584)	(1,971)	0.314	0.243	0.243	0.000	8	(347)	(385)	-
5	21	11	128	1,466	1,447	1,440	-	-	-	-	42	-	-	-	-	-	-	-	63	2,888	3,051	3,444	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	22	(1,432)	(1,613)	(2,013)	0.317	0.243	0.243	0.000	7	(348)	(392)	-
5	21	12	130	1,491	1,474	1,467	-	-	-	-	39	-	-	-	-	-	-	-	65	2,923	3,096	3,499	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	26	(1,443)	(1,632)	(2,041)	0.310	0.243	0.243	0.000	8	(351)	(396)	-
5	21	13	130	1,497	1,483	1,480	-	-	-	-	38	-	-	-	-	-	-	-	65	2,920	3,095	3,499	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	27	(1,438)	(1,622)	(2,030)	0.315	0.243	0.243	0.000	9	(349)	(394)	-
5	21	14	128	1,480	1,470	1,469	-	-	-	-	40	-	-	-	-	-	-	-	64	2,894	3,059	3,455	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	25	(1,431)	(1,608)	(2,002)	0.317	0.243	0.243	0.000	8	(348)	(391)	-
5	21	15	127	1,467	1,459	1,460	-	-	-	-	45	-	-	-	-	-	-	-	60	2,795	2,943	3,322	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	22	(1,350)	(1,506)	(1,884)	0.316	0.240	0.240	0.195	7	(324)	(362)	(367)
5	21	16	126	1,464	1,463	1,472	-	-	-	-	43	-	-	-	-	-	-	-	53	2,533	2,652	3,005	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	30	(1,091)	(1,213)	(1,556)	0.321	0.247	0.230	0.240	10	(270)	(279)	(374)
5	21	17	126	1,464	1,471	1,486	-	-	-	-	43	-	-	-	-	-	-	-	40	2,051	2,126	2,440	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	43	(612)	(679)	(978)	0.398	0.246	0.320	0.234	17	(151)	(218)	(229)
5	21	18	126	1,478	1,494	1,515	-	-	-	-	48	-	-	-	-	-	-	-	21	1,232	1,254	1,522	-	25	25	25	-	(2)	(3)	1	-	-	-	-	58	223	217	(32)	0.400	0.332	0.396	0.386	23	74	86	(13)
5	21	19	128	1,498	1,517	1,543	-	-	-	-	53	-	-	-	-	-	-	-	4	342	343	590	-	25	25	25	-	(3)	1	9	-	-	-	-	70	1,134	1,148	918	0.403	0.407	0.400	0.393	28	461	460	360
5	21	20	133	1,557	1,579	1,607	-	-	-	-	54	-	-	-	-	-	-	-	0	62	62	309	-	25	25	25	-	5	1	6	-	-	-	-	78	1,466	1,491	1,267	0.404	0.420	0.411	0.395	32	616	613	501
5	21	21	141	1,656	1,681	1,712	-	-	-	-	54	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	3	7	12	-	-	-	-	87	1,568	1,589	1,369	0.402	0.408	0.400	0.392	35	639	636	537
5	21	22	138	1,622	1,650	1,683	-	-	-	-	53	-	-	-	-	-	-	-	-	99	99	346	-	25	25	25	-	2	4	4	-	-	-	-	85	1,496	1,522	1,308	0.397	0.404	0.395	0.387	34	604	602	506
5	21	23	129	1,527	1,554	1,585	-	-	-	-	44	-	-	-	-	-	-	-	-	99	99	346	-	25	25	25	-	6	4	13	-	-	-	-	85	1,397	1,426	1,201	0.396	0.406	0.398	0.382	34	567	567	458
5	21	24	127	1,499	1,520	1,545	-	-	-	-	43	-	-	-	-	-	-	-	-	96	96	343	-	25	25	25	-	9	9	3	-	-	-	-	85	1,369	1,390	1,174	0.392	0.409	0.400	0.379	33	560	556	445
5	22	1	110	1,287	1,296	1,310	-	-	-	-	39	-	-	-	-	-	-	-	-	97	97	344	-	25	25	25	-	5	7	5	-	-	-	-	71	1,159	1,167	936	0.393	0.407	0.399	0.375	28	472	466	351
5	22	2	104	1,204	1,205	1,212	-	-	-	-	39	-	-	-	-	-	-	-	-	79	79	326	-	25	25	25	-	5	4	0	-	-	-	-	64	1,094	1,097	861	0.393	0.405	0.399	0.372	25	443	437	320
5	22	3	99	1,146	1,141	1,142	-	-	-	-	38	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	12	6	2	-	-	-	-	61	1,053	1,054	812	0.405	0.406	0.399	0.372	25	428	420	302
5	22	4	97	1,111	1,099	1,093	-	-	-	-	39	-	-	-	-	-	-	-	-	49	49	296	-	25	25	25	-	11	6	1	-	-	-	-	57	1,026	1,019	771	0.392	0.407	0.399	0.372	22	418	406	287
5	22	5	95	1,091	1,073	1,062	-	-	-	-	42	-	-	-	-	-	-	-	0	67	67	314	-	25	25	25	-	14	10	(2)	-	-	-	-	53	985	971	725	0.398	0.409	0.401	0.378	21	403	389	274
5	22	6	96	1,087	1,060	1,042	-	-	-	-	48	-	-	-	-	-	-	-	13	817	818	1,067	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	35	247	217	(47)	0.398	0.407	0.399	0.375	14	100	87	(18)
5	22	7	95	1,073	1,042	1,021	-	-	-	-	43	-	-	-	-	-	-	-	25	1,546	1,555	1,811	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	26	(495)	(538)	(815)	0.396	0.333	0.321	0.382	10	(165)	(173)	(312)
5	22	8	99	1,124	1,093	1,074	-	-	-	-	41	-	-	-	-	-	-	-	41	2,144	2,204	2,504	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	18	(1,042)	(1,133)	(1,455)	0.388	0.320	0.314	0.321	7	(334)	(356)	(467)
5	22	9	106	1,208	1,183	1,170	-	-	-	-	40	-	-	-	-	-	-	-	52	2,486	2,593	2,936	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	14	(1,290)	(1,431)	(1,786)	0.394	0.243	0.240	0.000	6	(313)	(343)	-
5	22	10	113	1,281	1,258	1,247	-	-	-	-	40	-	-	-	-	-	-	-	60	2,754	2,897	3,273	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	13	(1,483)	(1,645)	(2,036)	0.314	0.243	0.243	0.000	4	(360)	(399)	-
5	22	11	117	1,340	1,318	1,308	-	-	-	-	42	-	-	-	-	-	-	-	64	2,819	2,985	3,380	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	11	(1,488)	(1,676)	(2,081)	0.317	0.243	0.243	0.000	4	(361)	(407)	-
5	22	12	120	1,376	1,355	1,345	-	-	-	-	39	-	-	-	-	-	-	-	65	2,850	3,026	3,430	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	16	(1,487)	(1,680)	(2,094)	0.310	0.243	0.243	0.000	5	(361)	(408)	-
5	22	13	121	1,392	1,375	1,369	-	-	-	-	38	-	-	-	-	-	-	-	65	2,858	3,034	3,438	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	18	(1,480)	(1,668)	(2,079)	0.315	0.243	0.243	0.000	6	(359)	(405)	-
5	22	14	122	1,401	1,389	1,386	-	-	-	-	40	-	-	-	-	-	-	-	64	2,854	3,023	3,421	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	18	(1,470)	(1,652)	(2,052)	0.317	0.243	0.243	0.000	6	(357)	(401)	-
5	22	15	122	1,406	1,396	1,396	-	-	-	-	45	-	-	-	-	-	-	-	60	2,729	2,879	3,261	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	17	(1,345)	(1,505)	(1,886)	0.316	0.240	0.240	0.195	5	(323)	(361)	(367)
5	22	16	122	1,418	1,417	1,424	-	-	-	-	43	-	-	-	-	-	-	-	53	2,518	2,639	2,995	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	26	(1,122)	(1,247)	(1,594)	0.321	0.247	0.230	0.240	8	(277)	(286)	(383)
5	22	17	124	1,441	1,448	1,462	-	-	-	-	43	-	-	-	-	-	-	-	40	2,012	2,088	2,404	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	41	(595)	(664)	(965)	0.398	0.246	0.320	0.234	16	(147)	(213)	(226)
5	22	18	126	1,480	1,495	1,517	-	-	-	-	48	-	-	-	-	-	-	-	21	1,193	1,217	1,485	-	25	25	25	-	(2)	(3)	1	-	-	-	-	58	263	256	6	0.400	0.332	0.396	0.386	23	87	101	2
5	22	19	129	1,514	1,533	1,559	-	-	-	-	53	-	-	-	-	-	-	-	4	328	329	577	-	25	25	25	-	(3)	1	9	-	-	-	-	71	1,163	1,178	948	0.403	0.407	0.400	0.393	29	473	471	372
5	22	20	134	1,579	1,601	1,629	-	-	-	-	54	-	-	-	-	-	-	-	0	69	69	316	-	25	25	25	-	5	1	6	-	-	-	-	80	1,480	1,506	1,282	0.404	0.420	0.411	0.395	32	622	619	507
5	22	21	144	1,692	1,718	1,749	-	-	-	-	54	-	-	-	-	-	-	-	-	62	62	309	-	25	25	25	-	3	7	12	-	-	-	-	90	1,601	1,623	1,403	0.402	0.408	0.400	0.392	36	653	650	551
5	22	22	140	1,650	1,679	1,712	-	-	-	-	53	-	-	-	-	-	-	-	-	50	50	297	-	25	25	25	-	2	4	4	-	-	-	-	87	1,573	1,599	1,386	0.397	0.404	0.395	0.387	35	635	632	536
5	22	23	129	1,516	1,543	1,574	-	-	-	-	44	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	6	4	13	-	-	-	-	84	1,430	1,458	1,233	0.396	0.406	0.398	0.382	33	580	580	471
5	22	24	121	1,419	1,438	1,461	-	-	-	-	43	-	-	-	-	-	-	-	-	70	70	317	-	25	25	25	-	9	9	3	-	-	-	-	78	1,315	1,333	1,116	0.392	0.409	0.400	0.379	31	538	534	423
5	23	1	107	1,245	1,253	1,266	-	-	-	-	39	-	-	-	-	-	-	-	-	56	56	303	-	25	25	25	-	5	7	5	-	-	-	-	68	1,159	1,165	933	0.393	0.407	0.399	0.375	27	472	465	350
5	23	2	101	1,176	1,177	1,183	-	-	-	-	39	-	-	-	-	-	-	-	-	38	38	285	-	25	25	25	-	5	4	0	-	-	-	-	62	1,107	1,109	872	0.393	0.405	0.399	0.372	24	449	442	325
5	23	3	98	1,128	1,123	1,123	-	-	-	-	38	-	-	-	-	-	-	-	-	24	24	271	-	25	25	25	-	12	6	2	-	-	-	-	60	1,067	1,068	825	0.405	0.406	0.399	0.372	24	434	426	307
5	23	4	96	1,107	1,095	1,089	-	-	-	-	39	-	-	-	-	-	-	-	-	22	22	269	-	25	25	25	-	11	6	1	-	-	-	-	57	1,049	1,042	794	0.392	0.407	0.399	0.372	22	427	416	296
5	23	5	98	1,120	1,103	1,092	-	-	-	-	42	-	-	-	-	-	-	-	1	72	72	319	-	25	25	25	-	14	10	(2)	-	-	-	-	55	1,009	995	751	0.398	0.409	0.401	0.378	22	413	399	284
5	23	6	105	1,193	1,169	1,154	-	-	-	-	48	-	-	-	-	-	-	-	14	888	889	1,137	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	43	283	255	(6)	0.398	0.407	0.399	0.375	17	115	102	(2)
5	23	7	114	1,300	1,275	1,259	-	-	-	-	43	-	-	-	-	-	-	-	26	1,641	1,652	1,908	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	44	(363)	(402)	(674)	0.396	0.333	0.321	0.382	18	(121)	(129)	(258)
5	23	8	124	1,416	1,392	1,380	-	-	-	-	41	-	-	-	-	-	-	-	41	2,213	2,273	2,574	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	42	(818)	(904)	(1,219)	0.388	0.320	0.314	0.321	16	(262)	(284)	(391)
5	23	9	131	1,496	1,478	1,473	-	-	-	-	40	-	-	-	-	-	-	-	53	2,634	2,742	3,086	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	37	(1,150)	(1,285)	(1,634)	0.394	0.243	0.240	0.000	15	(279)	(308)	-
5	23	10	137	1,568	1,551	1,548	-	-	-	-	40	-	-	-	-	-	-	-	60	2,829	2,972	3,348	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	37	(1,271)	(1,426)	(1,811)	0.314	0.243	0.243	0.000	12	(309)	(346)	-
5	23	11	142	1,631	1,616	1,613	-	-	-	-	42	-	-	-	-	-	-	-	64	2,869	3,034	3,429	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	36	(1,248)	(1,427)	(1,826)	0.317	0.243	0.243	0.000	11	(303)	(347)	-
5	23	12	145	1,665	1,651	1,649	-	-	-	-	39	-	-	-	-	-	-	-	66	2,892	3,069	3,475	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	40	(1,239)	(1,427)	(1,836)	0.310	0.243	0.243	0.000	12	(301)	(347)	-
5	23	13	146	1,684	1,675	1,677	-	-	-	-	38	-	-	-	-	-	-	-	65	2,869	3,046	3,452	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	43	(1,199)	(1,381)	(1,786)	0.315	0.243	0.243	0.000	13	(291)	(335)	-
5	23	14	146	1,693	1,688	1,693	-	-	-	-	40	-	-	-	-	-	-	-	63	2,804	2,972	3,370	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	43	(1,128)	(1,303)	(1,694)	0.317	0.243	0.243	0.000	14	(274)	(316)	-
5	23	15	146	1,690	1,688	1,695	-	-	-	-	45	-	-	-	-	-	-	-	57	2,547	2,692	3,068	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	44	(878)	(1,026)	(1,395)	0.316	0.240	0.240	0.195	14	(211)	(246)	(271)
5	23	16	146	1,694	1,700	1,714	-	-	-	-	43	-	-	-	-	-	-	-	47	2,148	2,261	2,610	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	55	(475)	(586)	(919)	0.321	0.247	0.230	0.240	18	(117)	(135)	(221)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	23	17	145	1,697	1,710	1,731	-	-	-	-	43	-	-	-	-	-	-	-	30	1,405	1,472	1,780	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	72	268	213	(73)	0.398	0.246	0.320	0.234	29	66	68	(17)
5	23	18	144	1,695	1,715	1,742	-	-	-	-	48	-	-	-	-	-	-	-	17	898	921	1,188	-	25	25	25	-	(2)	(3)	1	-	-	-	-	80	773	772	529	0.400	0.332	0.396	0.386	32	257	305	204
5	23	19	144	1,690	1,714	1,745	-	-	-	-	53	-	-	-	-	-	-	-	3	168	169	417	-	25	25	25	-	(3)	1	9	-	-	-	-	88	1,500	1,519	1,294	0.403	0.407	0.400	0.393	35	610	608	508
5	23	20	148	1,739	1,765	1,797	-	-	-	-	54	-	-	-	-	-	-	-	0	1	1	248	-	25	25	25	-	5	1	6	-	-	-	-	93	1,709	1,738	1,519	0.404	0.420	0.411	0.395	38	718	715	600
5	23	21	155	1,829	1,859	1,894	-	-	-	-	54	-	-	-	-	-	-	-	-	1	1	248	-	25	25	25	-	3	7	12	-	-	-	-	101	1,800	1,826	1,609	0.402	0.408	0.400	0.392	41	734	731	631
5	23	22	149	1,754	1,785	1,821	-	-	-	-	53	-	-	-	-	-	-	-	-	0	0	247	-	25	25	25	-	2	4	4	-	-	-	-	96	1,727	1,755	1,545	0.397	0.404	0.395	0.387	38	697	694	598
5	23	23	135	1,591	1,619	1,652	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	6	4	13	-	-	-	-	90	1,560	1,590	1,366	0.396	0.406	0.398	0.382	36	632	632	522
5	23	24	138	1,624	1,648	1,677	-	-	-	-	43	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	9	9	3	-	-	-	-	95	1,590	1,614	1,402	0.392	0.409	0.400	0.379	37	651	646	532
5	24	1	111	1,299	1,308	1,323	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	5	7	5	-	-	-	-	72	1,269	1,276	1,046	0.393	0.407	0.399	0.375	28	516	509	392
5	24	2	105	1,218	1,220	1,227	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	5	4	0	-	-	-	-	65	1,187	1,190	955	0.393	0.405	0.399	0.372	26	481	475	355
5	24	3	101	1,171	1,167	1,168	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	12	6	2	-	-	-	-	63	1,134	1,136	894	0.405	0.406	0.399	0.372	26	461	453	333
5	24	4	100	1,144	1,133	1,128	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	25	25	25	-	11	6	1	-	-	-	-	60	1,108	1,102	855	0.392	0.407	0.399	0.372	24	451	440	318
5	24	5	101	1,156	1,139	1,130	-	-	-	-	42	-	-	-	-	-	-	-	1	38	38	285	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,079	1,066	822	0.398	0.409	0.401	0.378	23	441	427	311
5	24	6	107	1,217	1,194	1,179	-	-	-	-	48	-	-	-	-	-	-	-	14	842	844	1,092	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	45	352	325	64	0.398	0.407	0.399	0.375	18	143	130	24
5	24	7	117	1,336	1,311	1,297	-	-	-	-	43	-	-	-	-	-	-	-	26	1,559	1,569	1,825	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	48	(245)	(282)	(553)	0.396	0.333	0.321	0.382	19	(82)	(91)	(212)
5	24	8	127	1,453	1,430	1,419	-	-	-	-	41	-	-	-	-	-	-	-	41	2,159	2,216	2,515	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	45	(727)	(809)	(1,121)	0.388	0.320	0.314	0.321	18	(233)	(254)	(360)
5	24	9	133	1,520	1,502	1,498	-	-	-	-	40	-	-	-	-	-	-	-	52	2,531	2,638	2,980	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	40	(1,024)	(1,156)	(1,503)	0.394	0.243	0.240	0.000	16	(249)	(277)	-
5	24	10	139	1,600	1,584	1,582	-	-	-	-	40	-	-	-	-	-	-	-	60	2,748	2,890	3,263	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	40	(1,158)	(1,310)	(1,692)	0.314	0.243	0.243	0.000	13	(281)	(318)	-
5	24	11	144	1,653	1,639	1,637	-	-	-	-	42	-	-	-	-	-	-	-	64	2,819	2,984	3,379	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	38	(1,175)	(1,355)	(1,752)	0.317	0.243	0.243	0.000	12	(285)	(329)	-
5	24	12	146	1,682	1,668	1,667	-	-	-	-	39	-	-	-	-	-	-	-	65	2,850	3,026	3,431	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	42	(1,181)	(1,367)	(1,773)	0.310	0.243	0.243	0.000	13	(287)	(332)	-
5	24	13	146	1,683	1,674	1,676	-	-	-	-	38	-	-	-	-	-	-	-	65	2,838	3,013	3,416	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	43	(1,168)	(1,349)	(1,751)	0.315	0.243	0.243	0.000	14	(284)	(328)	-
5	24	14	146	1,689	1,684	1,689	-	-	-	-	40	-	-	-	-	-	-	-	64	2,805	2,973	3,371	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	43	(1,133)	(1,308)	(1,699)	0.317	0.243	0.243	0.000	14	(275)	(318)	-
5	24	15	146	1,688	1,685	1,693	-	-	-	-	45	-	-	-	-	-	-	-	59	2,673	2,821	3,201	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	41	(1,007)	(1,158)	(1,530)	0.316	0.240	0.240	0.195	13	(242)	(278)	(298)
5	24	16	146	1,696	1,701	1,715	-	-	-	-	43	-	-	-	-	-	-	-	51	2,346	2,465	2,818	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	52	(672)	(788)	(1,126)	0.321	0.247	0.230	0.240	17	(166)	(181)	(270)
5	24	17	145	1,692	1,705	1,726	-	-	-	-	43	-	-	-	-	-	-	-	35	1,665	1,737	2,049	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	67	3	(57)	(347)	0.398	0.246	0.320	0.234	27	1	(18)	(81)
5	24	18	144	1,686	1,707	1,734	-	-	-	-	48	-	-	-	-	-	-	-	16	898	920	1,186	-	25	25	25	-	(2)	(3)	1	-	-	-	-	80	765	764	521	0.400	0.332	0.396	0.386	32	254	302	201
5	24	19	143	1,682	1,706	1,736	-	-	-	-	53	-	-	-	-	-	-	-	3	200	201	449	-	25	25	25	-	(3)	1	9	-	-	-	-	87	1,460	1,479	1,253	0.403	0.407	0.400	0.393	35	594	592	492
5	24	20	148	1,735	1,762	1,794	-	-	-	-	54	-	-	-	-	-	-	-	0	45	45	292	-	25	25	25	-	5	1	6	-	-	-	-	93	1,661	1,691	1,471	0.404	0.420	0.411	0.395	38	698	695	581
5	24	21	155	1,825	1,855	1,890	-	-	-	-	54	-	-	-	-	-	-	-	-	65	65	312	-	25	25	25	-	3	7	12	-	-	-	-	101	1,732	1,758	1,541	0.402	0.408	0.400	0.392	41	706	704	605
5	24	22	149	1,755	1,786	1,822	-	-	-	-	53	-	-	-	-	-	-	-	-	67	67	314	-	25	25	25	-	2	4	4	-	-	-	-	96	1,661	1,689	1,479	0.397	0.404	0.395	0.387	38	670	668	572
5	24	23	135	1,598	1,626	1,659	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	25	25	25	-	6	4	13	-	-	-	-	91	1,520	1,550	1,327	0.396	0.406	0.398	0.382	36	616	617	507
5	24	24	138	1,627	1,651	1,680	-	-	-	-	43	-	-	-	-	-	-	-	-	31	31	278	-	25	25	25	-	9	9	3	-	-	-	-	96	1,562	1,585	1,373	0.392	0.409	0.400	0.379	37	639	634	521
5	25	1	112	1,306	1,316	1,330	-	-	-	-	39	-	-	-	-	-	-	-	-	26	26	273	-	25	25	25	-	5	7	5	-	-	-	-	73	1,249	1,257	1,027	0.393	0.407	0.399	0.375	29	509	502	385
5	25	2	105	1,225	1,227	1,235	-	-	-	-	39	-	-	-	-	-	-	-	-	22	22	269	-	25	25	25	-	5	4	0	-	-	-	-	66	1,173	1,176	941	0.393	0.405	0.399	0.372	26	475	469	350
5	25	3	101	1,171	1,167	1,168	-	-	-	-	38	-	-	-	-	-	-	-	-	16	16	263	-	25	25	25	-	12	6	2	-	-	-	-	63	1,118	1,119	878	0.405	0.406	0.399	0.372	26	454	446	326
5	25	4	100	1,147	1,135	1,131	-	-	-	-	39	-	-	-	-	-	-	-	-	10	10	257	-	25	25	25	-	11	6	1	-	-	-	-	60	1,101	1,095	847	0.392	0.407	0.399	0.372	24	448	437	316
5	25	5	101	1,156	1,139	1,130	-	-	-	-	42	-	-	-	-	-	-	-	1	41	41	288	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,075	1,062	819	0.398	0.409	0.401	0.378	23	440	426	309
5	25	6	107	1,220	1,197	1,183	-	-	-	-	48	-	-	-	-	-	-	-	13	793	794	1,043	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	47	405	378	117	0.398	0.407	0.399	0.375	19	165	151	44
5	25	7	116	1,328	1,303	1,288	-	-	-	-	43	-	-	-	-	-	-	-	26	1,579	1,589	1,845	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	47	(273)	(311)	(583)	0.396	0.333	0.321	0.382	19	(91)	(100)	(223)
5	25	8	126	1,437	1,414	1,402	-	-	-	-	41	-	-	-	-	-	-	-	41	2,150	2,208	2,507	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	44	(734)	(817)	(1,129)	0.388	0.320	0.314	0.321	17	(235)	(257)	(363)
5	25	9	132	1,512	1,494	1,489	-	-	-	-	40	-	-	-	-	-	-	-	52	2,532	2,637	2,978	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	39	(1,032)	(1,164)	(1,509)	0.394	0.243	0.240	0.000	16	(251)	(279)	-
5	25	10	138	1,583	1,567	1,564	-	-	-	-	40	-	-	-	-	-	-	-	59	2,734	2,873	3,245	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	39	(1,160)	(1,311)	(1,691)	0.314	0.243	0.243	0.000	12	(282)	(318)	-
5	25	11	142	1,637	1,622	1,619	-	-	-	-	42	-	-	-	-	-	-	-	63	2,797	2,958	3,348	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	37	(1,170)	(1,345)	(1,739)	0.317	0.243	0.243	0.000	12	(284)	(327)	-
5	25	12	145	1,668	1,655	1,653	-	-	-	-	39	-	-	-	-	-	-	-	64	2,802	2,973	3,372	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	42	(1,146)	(1,327)	(1,729)	0.310	0.243	0.243	0.000	13	(278)	(322)	-
5	25	13	145	1,674	1,664	1,666	-	-	-	-	38	-	-	-	-	-	-	-	63	2,752	2,922	3,322	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	44	(1,092)	(1,268)	(1,667)	0.315	0.243	0.243	0.000	14	(265)	(308)	-
5	25	14	145	1,679	1,673	1,678	-	-	-	-	40	-	-	-	-	-	-	-	62	2,734	2,894	3,284	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	44	(1,073)	(1,239)	(1,623)	0.317	0.243	0.243	0.000	14	(260)	(301)	-
5	25	15	145	1,682	1,679	1,686	-	-	-	-	45	-	-	-	-	-	-	-	58	2,605	2,746	3,119	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	43	(944)	(1,088)	(1,455)	0.316	0.240	0.240	0.195	13	(227)	(261)	(283)
5	25	16	145	1,684	1,689	1,703	-	-	-	-	43	-	-	-	-	-	-	-	48	2,235	2,342	2,685	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	54	(573)	(678)	(1,005)	0.321	0.247	0.230	0.240	17	(142)	(156)	(241)
5	25	17	145	1,687	1,700	1,720	-	-	-	-	43	-	-	-	-	-	-	-	35	1,721	1,788	2,094	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	66	(58)	(112)	(398)	0.398	0.246	0.320	0.234	26	(14)	(36)	(93)
5	25	18	143	1,678	1,698	1,725	-	-	-	-	48	-	-	-	-	-	-	-	17	969	987	1,251	-	25	25	25	-	(2)	(3)	1	-	-	-	-	78	686	688	448	0.400	0.332	0.396	0.386	31	228	272	173
5	25	19	142	1,672	1,696	1,726	-	-	-	-	53	-	-	-	-	-	-	-	3	254	256	504	-	25	25	25	-	(3)	1	9	-	-	-	-	85	1,396	1,414	1,188	0.403	0.407	0.400	0.393	34	568	566	466
5	25	20	146	1,720	1,746	1,777	-	-	-	-	54	-	-	-	-	-	-	-	0	55	55	302	-	25	25	25	-	5	1	6	-	-	-	-	92	1,635	1,664	1,444	0.404	0.420	0.411	0.395	37	687	684	571
5	25	21	154	1,819	1,849	1,884	-	-	-	-	54	-	-	-	-	-	-	-	-	51	51	298	-	25	25	25	-	3	7	12	-	-	-	-	100	1,739	1,765	1,548	0.402	0.408	0.400	0.392	40	709	707	607
5	25	22	149	1,761	1,792	1,829	-	-	-	-	53	-	-	-	-	-	-	-	-	49	49	296	-	25	25	25	-	2	4	4	-	-	-	-	97	1,685	1,714	1,503	0.397	0.404	0.395	0.387	38	680	678	582
5	25	23	136	1,603	1,631	1,664	-	-	-	-	44	-	-	-	-	-	-	-	-	37	37	284	-	25	25	25	-	6	4	13	-	-	-	-	92	1,535	1,565	1,342	0.396	0.406	0.398	0.382	36	622	623	512
5	25	24	137	1,616	1,640	1,668	-	-	-	-	43	-	-	-	-	-	-	-	-	39	39	286	-	25	25	25	-	9	9	3	-	-	-	-	95	1,543	1,566	1,354	0.392	0.409	0.400	0.379	37	631	627	513
5	26	1	113	1,315	1,326	1,340	-	-	-	-	39	-	-	-	-	-	-	-	-	41	41	288	-	25	25	25	-	5	7	5	-	-	-	-	74	1,244	1,252	1,022	0.393	0.407	0.399	0.375	29	506	500	383
5	26	2	106	1,232	1,235	1,242	-	-	-	-	39	-	-	-	-	-	-	-	-	41	41	288	-	25	25	25	-	5	4	0	-	-	-	-	67	1,161	1,164	929	0.393	0.405	0.399	0.372	26	470	464	346
5	26	3	102	1,177	1,173	1,174	-	-	-	-	38	-	-	-	-	-	-	-	-	33	33	280	-	25	25	25	-	12	6	2	-	-	-	-	64	1,107	1,109	868	0.405	0.406	0.399	0.372	26	450	442	323
5	26	4	100	1,148	1,137	1,132	-	-	-	-	39	-	-	-	-	-	-	-	-	22	22	269	-	25	25	25	-	11	6	1	-	-	-	-	60	1,090	1,084	837	0.392	0.407	0.399	0.372	24	444	432	312
5	26	5	101	1,159	1,143	1,133	-	-	-	-	42	-	-	-	-	-	-	-	1	52	52	299	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,069	1,056	812	0.398	0.409	0.401	0.378	23	437	423	307
5	26	6	107	1,224	1,201	1,186	-	-	-	-	48	-	-	-	-	-	-	-	12	783	785	1,033	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	47	417	391	130	0.398	0.407	0.399	0.375	19	170	156	49
5	26	7	117	1,332	1,307	1,292	-	-	-	-	43	-	-	-	-	-	-	-	24	1,416	1,426	1,682	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	50	(106)	(144)	(415)	0.396	0.333	0.321	0.382	20	(35)	(46)	(158)
5	26	8	126	1,443	1,419	1,408	-	-	-	-	41	-	-	-	-	-	-	-	39	2,081	2,138	2,435	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	46	(660)	(741)	(1,052)	0.388	0.320	0.314	0.321	18	(211)	(233)	(338)
5	26	9	133	1,520	1,502	1,497	-	-	-	-	40	-	-	-	-	-	-	-	50	2,446	2,548	2,885	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	42	(939)	(1,067)	(1,409)	0.394	0.243	0.240	0.000	17	(228)	(256)	-
5	26	10	139	1,593	1,577	1,574	-	-	-	-	40	-	-	-	-	-	-	-	56	2,558	2,695	3,064	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	43	(975)	(1,123)	(1,501)	0.314	0.243	0.243	0.000	14	(237)	(273)	-
5	26	11	144	1,657	1,642	1,640	-	-	-	-	42	-	-	-	-	-	-	-	63	2,798	2,959	3,349	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	39	(1,151)	(1,326)	(1,719)	0.317	0.243	0.243	0.000	12	(280)	(322)	-
5	26	12	147	1,692	1,679	1,677	-	-	-	-	39	-	-	-	-	-	-	-	64	2,762	2,934	3,336	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	44	(1,082)	(1,265)	(1,668)	0.310	0.243	0.243	0.000	14	(263)	(307)	-
5	26	13	148	1,707	1,698	1,700	-	-	-	-	38	-	-	-	-	-	-	-	63	2,745	2,919	3,322	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	47	(1,052)	(1,231)	(1,632)	0.315	0.243	0.243	0.000	15	(256)	(299)	-
5	26	14	148	1,714	1,709	1,714	-	-	-	-	40	-	-	-	-	-	-	-	63	2,767	2,932	3,327	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	46	(1,070)	(1,242)	(1,630)	0.317	0.243	0.243	0.000	15	(260)	(302)	-
5	26	15	148	1,719	1,717	1,725	-	-	-	-	45	-	-	-	-	-	-	-	59	2,660	2,808	3,188	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	44	(963)	(1,113)	(1,486)	0.316	0.240	0.240	0.195	14	(231)	(267)	(289)
5	26	16	150	1,740	1,746	1,761	-	-	-	-	43	-	-	-	-	-	-	-	51	2,414	2,531	2,884	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	55	(696)	(810)	(1,146)	0.321	0.247	0.230	0.240	18	(172)	(186)	(275)
5	26	17	149	1,743	1,757	1,779	-	-	-	-	43	-	-	-	-	-	-	-	39	1,961	2,034	2,347	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	67	(242)	(301)	(592)	0.398	0.246	0.320	0.234	27	(60)	(97)	(138)
5	26	18	148	1,730	1,751	1,780	-	-	-	-	48	-	-	-	-	-	-	-	21	1,201	1,224	1,491	-	25	25	25	-	(2)	(3)	1	-	-	-	-	79	506	505	263	0.400	0.332	0.396	0.386	32	168	200	102
5	26	19	146	1,712	1,736	1,767	-	-	-	-	53	-	-	-	-	-	-	-	5	386	387	635	-	25	25	25	-	(3)	1	9	-	-	-	-	87	1,303	1,323	1,098	0.403	0.407	0.400	0.393	35	530	529	431
5	26	20	148	1,742	1,769	1,801	-	-	-	-	54	-	-	-	-	-	-	-	0	99	99	346	-	25	25	25	-	5	1	6	-	-	-	-	94	1,614	1,643	1,424	0.404	0.420	0.411	0.395	38	678	676	563
5	26	21	156	1,835	1,864	1,900	-	-	-	-	54	-	-	-	-	-	-	-	-	96	96	343	-	25	25	25	-	3	7	12	-	-	-	-	102	1,710	1,736	1,519	0.402	0.408	0.400	0.392	41	697	695	596
5	26	22	150	1,772	1,803	1,840	-	-	-	-	53	-	-	-	-	-	-	-	-	69	69	316	-	25	25	25	-	2	4	4	-	-	-	-	97	1,675	1,704	1,494	0.397	0.404	0.395	0.387	39	676	674	578
5	26	23	137	1,620	1,650	1,683	-	-	-	-	44	-	-	-	-	-	-	-	-	52	52	299	-	25	25	25	-	6	4	13	-	-	-	-	93	1,538	1,568	1,346	0.396	0.406	0.398	0.382	37	624	624	514
5	26	24	140	1,649	1,674	1,703	-	-	-	-	43	-	-	-	-	-	-	-	-	45	45	292	-	25	25	25	-	9	9	3	-	-	-	-	98	1,570	1,594	1,383	0.392	0.409	0.400	0.379	38	642	638	524
5	27	1	113	1,325	1,335	1,350	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	25	25	25	-	5	7	5	-	-	-	-	75	1,256	1,265	1,035	0.393	0.407	0.399	0.375	29	511	505	388
5	27	2	107	1,247	1,249	1,257	-	-	-	-	39	-	-	-	-	-	-	-	-	33	33	280	-	25	25	25	-	5	4	0	-	-	-	-	68	1,183	1,186	951	0.393	0.405	0.399	0.372	27	479	473	354
5	27	3	103	1,193	1,189	1,191	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	25	25	25	-	12	6	2	-	-	-	-	65	1,121	1,123	883	0.405	0.406	0.399	0.372	26	456	448	328
5	27	4	101	1,161	1,150	1,145	-	-	-	-	39	-	-	-	-	-	-	-	-	29	29	276	-	25	25	25	-	11	6	1	-	-	-	-	62	1,095	1,089	843	0.392	0.407	0.399	0.372	24	446	435	314
5	27	5	102	1,166	1,150	1,141	-	-	-	-	42	-	-	-	-	-	-	-	1	64	64	311	-	25	25	25	-	14	10	(2)	-	-	-	-	59	1,063	1,050	807	0.398	0.409	0.401	0.378	24	435	421	305
5	27	6	107	1,223	1,199	1,185	-	-	-	-	48	-	-	-	-	-	-	-	13	825	826	1,074	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	47	375	348	87	0.398	0.407	0.399	0.375	19	153	139	33
5	27	7	116	1,326	1,301	1,286	-	-	-	-	43	-	-	-	-	-	-	-	25	1,523	1,533	1,790	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	48	(219)	(257)	(529)	0.396	0.333	0.321	0.382	19	(73)	(83)	(202)
5	27	8	126	1,437	1,413	1,401	-	-	-	-	41	-	-	-	-	-	-	-	40	2,120	2,176	2,473	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	45	(704)	(786)	(1,096)	0.388	0.320	0.314	0.321	17	(226)	(247)	(352)
5	27	9	133	1,522	1,504	1,499	-	-	-	-	40	-	-	-	-	-	-	-	52	2,515	2,619	2,960	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	41	(1,005)	(1,136)	(1,481)	0.394	0.243	0.240	0.000	16	(244)	(272)	-
5	27	10	139	1,600	1,584	1,581	-	-	-	-	40	-	-	-	-	-	-	-	60	2,755	2,896	3,270	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	40	(1,165)	(1,318)	(1,700)	0.314	0.243	0.243	0.000	13	(283)	(320)	-
5	27	11	144	1,656	1,642	1,640	-	-	-	-	42	-	-	-	-	-	-	-	63	2,830	2,994	3,389	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	38	(1,183)	(1,362)	(1,759)	0.317	0.243	0.243	0.000	12	(287)	(331)	-
5	27	12	148	1,701	1,688	1,687	-	-	-	-	39	-	-	-	-	-	-	-	65	2,837	3,013	3,417	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	44	(1,148)	(1,333)	(1,739)	0.310	0.243	0.243	0.000	14	(279)	(324)	-
5	27	13	149	1,725	1,716	1,718	-	-	-	-	38	-	-	-	-	-	-	-	65	2,825	3,002	3,407	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	47	(1,114)	(1,296)	(1,700)	0.315	0.243	0.243	0.000	15	(271)	(315)	-
5	27	14	152	1,755	1,750	1,757	-	-	-	-	40	-	-	-	-	-	-	-	63	2,820	2,989	3,387	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	49	(1,082)	(1,257)	(1,647)	0.317	0.243	0.243	0.000	15	(263)	(305)	-
5	27	15	152	1,766	1,765	1,774	-	-	-	-	45	-	-	-	-	-	-	-	60	2,722	2,873	3,255	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	48	(978)	(1,130)	(1,503)	0.316	0.240	0.240	0.195	15	(235)	(271)	(292)
5	27	16	153	1,781	1,788	1,805	-	-	-	-	43	-	-	-	-	-	-	-	52	2,483	2,603	2,957	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	58	(723)	(839)	(1,175)	0.321	0.247	0.230	0.240	19	(179)	(193)	(282)
5	27	17	153	1,785	1,800	1,823	-	-	-	-	43	-	-	-	-	-	-	-	39	1,996	2,070	2,382	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	71	(236)	(294)	(584)	0.398	0.246	0.320	0.234	28	(58)	(94)	(136)
5	27	18	151	1,770	1,792	1,821	-	-	-	-	48	-	-	-	-	-	-	-	21	1,254	1,277	1,544	-	25	25	25	-	(2)	(3)	1	-	-	-	-	82	492	492	251	0.400	0.332	0.396	0.386	33	163	195	97
5	27	19	149	1,746	1,771	1,803	-	-	-	-	53	-	-	-	-	-	-	-	5	414	415	663	-	25	25	25	-	(3)	1	9	-	-	-	-	90	1,310	1,330	1,105	0.403	0.407	0.400	0.393	36	533	532	434
5	27	20	150	1,760	1,787	1,819	-	-	-	-	54	-	-	-	-	-	-	-	0	99	99	346	-	25	25	25	-	5	1	6	-	-	-	-	95	1,632	1,662	1,442	0.404	0.420	0.411	0.395	38	686	683	570
5	27	21	154	1,818	1,847	1,882	-	-	-	-	54	-	-	-	-	-	-	-	-	91	91	338	-	25	25	25	-	3	7	12	-	-	-	-	100	1,699	1,724	1,507	0.402	0.408	0.400	0.392	40	693	690	591
5	27	22	150	1,769	1,801	1,837	-	-	-	-	53	-	-	-	-	-	-	-	-	79	79	326	-	25	25	25	-	2	4	4	-	-	-	-	97	1,663	1,692	1,482	0.397	0.404	0.395	0.387	39	671	669	573
5	27	23	139	1,641	1,670	1,704	-	-	-	-	44	-	-	-	-	-	-	-	-	61	61	308	-	25	25	25	-	6	4	13	-	-	-	-	95	1,549	1,580	1,358	0.396	0.406	0.398	0.382	38	628	629	518
5	27	24	141	1,665	1,690	1,719	-	-	-	-	43	-	-	-	-	-	-	-	-	58	58	305	-	25	25	25	-	9	9	3	-	-	-	-	99	1,572	1,597	1,386	0.392	0.409	0.400	0.379	39	643	639	525
5	28	1	116	1,351	1,362	1,378	-	-	-	-	39	-	-	-	-	-	-	-	-	64	64	311	-	25	25	25	-	5	7	5	-	-	-	-	77	1,257	1,266	1,037	0.393	0.407	0.399	0.375	30	512	505	389
5	28	2	109	1,263	1,266	1,275	-	-	-	-	39	-	-	-	-	-	-	-	-	58	58	305	-	25	25	25	-	5	4	0	-	-	-	-	69	1,174	1,178	944	0.393	0.405	0.399	0.372	27	476	470	351
5	28	3	104	1,203	1,200	1,202	-	-	-	-	38	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	12	6	2	-	-	-	-	66	1,112	1,114	874	0.405	0.406	0.399	0.372	27	452	444	325

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
5	28	4	101	1,163	1,152	1,148	-	-	-	-	39	-	-	-	-	-	-	-	-	48	48	295	-	25	25	25	-	11	6	1	-	-	-	-	62	1,080	1,074	827	0.392	0.407	0.399	0.372	24	440	428	308
5	28	5	100	1,150	1,133	1,123	-	-	-	-	42	-	-	-	-	-	-	-	1	84	84	331	-	25	25	25	-	14	10	(2)	-	-	-	-	58	1,026	1,013	769	0.398	0.409	0.401	0.378	23	420	406	291
5	28	6	102	1,156	1,131	1,114	-	-	-	-	48	-	-	-	-	-	-	-	13	857	859	1,107	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	41	275	247	(16)	0.398	0.407	0.399	0.375	16	112	98	(6)
5	28	7	104	1,174	1,145	1,126	-	-	-	-	43	-	-	-	-	-	-	-	26	1,584	1,594	1,850	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	34	(432)	(473)	(749)	0.396	0.333	0.321	0.382	13	(144)	(152)	(286)
5	28	8	109	1,236	1,208	1,191	-	-	-	-	41	-	-	-	-	-	-	-	41	2,174	2,231	2,530	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	27	(959)	(1,046)	(1,364)	0.388	0.320	0.314	0.321	11	(307)	(329)	(438)
5	28	9	117	1,338	1,316	1,306	-	-	-	-	40	-	-	-	-	-	-	-	52	2,571	2,675	3,015	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	25	(1,245)	(1,380)	(1,730)	0.394	0.243	0.240	0.000	10	(302)	(331)	-
5	28	10	125	1,428	1,408	1,400	-	-	-	-	40	-	-	-	-	-	-	-	60	2,791	2,932	3,305	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	26	(1,374)	(1,530)	(1,916)	0.314	0.243	0.243	0.000	8	(334)	(372)	-
5	28	11	129	1,483	1,465	1,458	-	-	-	-	42	-	-	-	-	-	-	-	63	2,834	2,996	3,388	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	24	(1,359)	(1,540)	(1,939)	0.317	0.243	0.243	0.000	8	(330)	(374)	-
5	28	12	132	1,510	1,493	1,486	-	-	-	-	39	-	-	-	-	-	-	-	65	2,869	3,042	3,445	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	28	(1,371)	(1,559)	(1,968)	0.310	0.243	0.243	0.000	9	(333)	(379)	-
5	28	13	133	1,533	1,520	1,518	-	-	-	-	38	-	-	-	-	-	-	-	64	2,834	3,010	3,414	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	31	(1,314)	(1,499)	(1,907)	0.315	0.243	0.243	0.000	10	(319)	(364)	-
5	28	14	134	1,544	1,535	1,536	-	-	-	-	40	-	-	-	-	-	-	-	63	2,831	2,998	3,395	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	31	(1,304)	(1,481)	(1,875)	0.317	0.243	0.243	0.000	10	(317)	(360)	-
5	28	15	133	1,541	1,534	1,538	-	-	-	-	45	-	-	-	-	-	-	-	59	2,731	2,881	3,262	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	29	(1,212)	(1,368)	(1,746)	0.316	0.240	0.240	0.195	9	(291)	(329)	(340)
5	28	16	134	1,558	1,560	1,570	-	-	-	-	43	-	-	-	-	-	-	-	52	2,495	2,615	2,969	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	39	(959)	(1,079)	(1,422)	0.321	0.247	0.230	0.240	13	(237)	(248)	(341)
5	28	17	135	1,573	1,582	1,600	-	-	-	-	43	-	-	-	-	-	-	-	39	2,008	2,083	2,397	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	53	(460)	(525)	(822)	0.398	0.246	0.320	0.234	21	(113)	(168)	(192)
5	28	18	135	1,581	1,599	1,623	-	-	-	-	48	-	-	-	-	-	-	-	21	1,274	1,297	1,565	-	25	25	25	-	(2)	(3)	1	-	-	-	-	66	284	279	32	0.400	0.332	0.396	0.386	26	94	110	12
5	28	19	135	1,585	1,606	1,634	-	-	-	-	53	-	-	-	-	-	-	-	5	409	410	658	-	25	25	25	-	(3)	1	9	-	-	-	-	76	1,154	1,170	941	0.403	0.407	0.400	0.393	31	469	468	369
5	28	20	138	1,623	1,646	1,675	-	-	-	-	54	-	-	-	-	-	-	-	0	75	75	322	-	25	25	25	-	5	1	6	-	-	-	-	84	1,518	1,545	1,322	0.404	0.420	0.411	0.395	34	638	635	523
5	28	21	144	1,701	1,727	1,759	-	-	-	-	54	-	-	-	-	-	-	-	-	71	71	318	-	25	25	25	-	3	7	12	-	-	-	-	90	1,601	1,624	1,404	0.402	0.408	0.400	0.392	36	653	650	551
5	28	22	141	1,665	1,694	1,728	-	-	-	-	53	-	-	-	-	-	-	-	-	49	49	296	-	25	25	25	-	2	4	4	-	-	-	-	88	1,589	1,615	1,403	0.397	0.404	0.395	0.387	35	641	639	543
5	28	23	133	1,564	1,592	1,624	-	-	-	-	44	-	-	-	-	-	-	-	-	58	58	305	-	25	25	25	-	6	4	13	-	-	-	-	88	1,475	1,505	1,281	0.396	0.406	0.398	0.382	35	598	599	489
5	28	24	130	1,533	1,555	1,581	-	-	-	-	43	-	-	-	-	-	-	-	-	78	78	325	-	25	25	25	-	9	9	3	-	-	-	-	88	1,421	1,443	1,228	0.392	0.409	0.400	0.379	34	582	577	466
5	29	1	113	1,318	1,328	1,343	-	-	-	-	39	-	-	-	-	-	-	-	-	72	72	319	-	25	25	25	-	5	7	5	-	-	-	-	74	1,216	1,224	994	0.393	0.407	0.399	0.375	29	495	488	373
5	29	2	106	1,232	1,235	1,242	-	-	-	-	39	-	-	-	-	-	-	-	-	65	65	312	-	25	25	25	-	5	4	0	-	-	-	-	67	1,137	1,140	905	0.393	0.405	0.399	0.372	26	461	455	337
5	29	3	101	1,170	1,166	1,167	-	-	-	-	38	-	-	-	-	-	-	-	-	57	57	304	-	25	25	25	-	12	6	2	-	-	-	-	63	1,075	1,077	836	0.405	0.406	0.399	0.372	26	437	429	311
5	29	4	98	1,124	1,112	1,107	-	-	-	-	39	-	-	-	-	-	-	-	-	50	50	297	-	25	25	25	-	11	6	1	-	-	-	-	58	1,038	1,031	783	0.392	0.407	0.399	0.372	23	423	411	292
5	29	5	97	1,104	1,087	1,076	-	-	-	-	42	-	-	-	-	-	-	-	1	92	92	339	-	25	25	25	-	14	10	(2)	-	-	-	-	54	974	960	714	0.398	0.409	0.401	0.378	21	398	385	270
5	29	6	97	1,101	1,075	1,057	-	-	-	-	48	-	-	-	-	-	-	-	13	860	862	1,110	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	36	218	188	(76)	0.398	0.407	0.399	0.375	14	89	75	(28)
5	29	7	98	1,109	1,079	1,058	-	-	-	-	43	-	-	-	-	-	-	-	26	1,563	1,572	1,828	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	29	(476)	(518)	(795)	0.396	0.333	0.321	0.382	11	(158)	(166)	(304)
5	29	8	102	1,155	1,125	1,106	-	-	-	-	41	-	-	-	-	-	-	-	41	2,154	2,212	2,511	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	20	(1,020)	(1,110)	(1,429)	0.388	0.320	0.314	0.321	8	(327)	(349)	(459)
5	29	9	109	1,240	1,216	1,204	-	-	-	-	40	-	-	-	-	-	-	-	52	2,520	2,624	2,965	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	17	(1,292)	(1,429)	(1,781)	0.394	0.243	0.240	0.000	7	(314)	(343)	-
5	29	10	115	1,315	1,292	1,282	-	-	-	-	40	-	-	-	-	-	-	-	59	2,720	2,858	3,228	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	17	(1,415)	(1,571)	(1,957)	0.314	0.243	0.243	0.000	5	(344)	(381)	-
5	29	11	120	1,369	1,348	1,338	-	-	-	-	42	-	-	-	-	-	-	-	62	2,760	2,918	3,307	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	15	(1,400)	(1,580)	(1,979)	0.317	0.243	0.243	0.000	5	(340)	(384)	-
5	29	12	122	1,397	1,377	1,368	-	-	-	-	39	-	-	-	-	-	-	-	64	2,786	2,957	3,357	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	19	(1,401)	(1,589)	(1,998)	0.310	0.243	0.243	0.000	6	(340)	(386)	-
5	29	13	123	1,413	1,398	1,392	-	-	-	-	38	-	-	-	-	-	-	-	64	2,750	2,925	3,329	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	22	(1,351)	(1,538)	(1,948)	0.315	0.243	0.243	0.000	7	(328)	(374)	-
5	29	14	123	1,421	1,409	1,407	-	-	-	-	40	-	-	-	-	-	-	-	63	2,745	2,913	3,310	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	21	(1,342)	(1,523)	(1,921)	0.317	0.243	0.243	0.000	7	(326)	(370)	-
5	29	15	124	1,433	1,425	1,425	-	-	-	-	45	-	-	-	-	-	-	-	59	2,657	2,807	3,188	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	20	(1,245)	(1,404)	(1,785)	0.316	0.240	0.240	0.195	6	(299)	(337)	(347)
5	29	16	125	1,452	1,451	1,459	-	-	-	-	43	-	-	-	-	-	-	-	52	2,410	2,530	2,885	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	30	(980)	(1,103)	(1,448)	0.321	0.247	0.230	0.240	10	(242)	(253)	(348)
5	29	17	126	1,469	1,476	1,491	-	-	-	-	43	-	-	-	-	-	-	-	39	1,940	2,017	2,332	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	44	(496)	(565)	(865)	0.398	0.246	0.320	0.234	17	(122)	(181)	(202)
5	29	18	127	1,482	1,497	1,519	-	-	-	-	48	-	-	-	-	-	-	-	21	1,172	1,196	1,465	-	25	25	25	-	(2)	(3)	1	-	-	-	-	58	287	279	28	0.400	0.332	0.396	0.386	23	95	110	11
5	29	19	128	1,500	1,520	1,545	-	-	-	-	53	-	-	-	-	-	-	-	5	379	381	629	-	25	25	25	-	(3)	1	9	-	-	-	-	69	1,098	1,113	882	0.403	0.407	0.400	0.393	28	447	445	346
5	29	20	131	1,544	1,566	1,593	-	-	-	-	54	-	-	-	-	-	-	-	0	73	73	320	-	25	25	25	-	5	1	6	-	-	-	-	77	1,442	1,467	1,242	0.404	0.420	0.411	0.395	31	606	603	491
5	29	21	140	1,647	1,673	1,703	-	-	-	-	54	-	-	-	-	-	-	-	-	68	68	315	-	25	25	25	-	3	7	12	-	-	-	-	86	1,551	1,572	1,351	0.402	0.408	0.400	0.392	35	632	629	530
5	29	22	138	1,626	1,654	1,687	-	-	-	-	53	-	-	-	-	-	-	-	-	59	59	306	-	25	25	25	-	2	4	4	-	-	-	-	85	1,540	1,565	1,352	0.397	0.404	0.395	0.387	34	621	619	523
5	29	23	129	1,527	1,554	1,585	-	-	-	-	44	-	-	-	-	-	-	-	-	40	40	287	-	25	25	25	-	6	4	13	-	-	-	-	85	1,456	1,485	1,260	0.396	0.406	0.398	0.382	34	591	591	481
5	29	24	123	1,441	1,461	1,485	-	-	-	-	43	-	-	-	-	-	-	-	-	33	33	280	-	25	25	25	-	9	9	3	-	-	-	-	80	1,374	1,394	1,177	0.392	0.409	0.400	0.379	31	562	558	446
5	30	1	109	1,272	1,281	1,295	-	-	-	-	39	-	-	-	-	-	-	-	-	26	26	273	-	25	25	25	-	5	7	5	-	-	-	-	70	1,216	1,223	992	0.393	0.407	0.399	0.375	28	495	488	372
5	30	2	102	1,181	1,182	1,188	-	-	-	-	39	-	-	-	-	-	-	-	-	18	18	265	-	25	25	25	-	5	4	0	-	-	-	-	62	1,132	1,134	898	0.393	0.405	0.399	0.372	25	459	452	334
5	30	3	100	1,152	1,147	1,148	-	-	-	-	38	-	-	-	-	-	-	-	-	11	11	258	-	25	25	25	-	12	6	2	-	-	-	-	62	1,104	1,106	864	0.405	0.406	0.399	0.372	25	449	441	321
5	30	4	97	1,112	1,100	1,094	-	-	-	-	39	-	-	-	-	-	-	-	-	7	7	254	-	25	25	25	-	11	6	1	-	-	-	-	57	1,069	1,062	814	0.392	0.407	0.399	0.372	23	435	424	303
5	30	5	96	1,100	1,082	1,071	-	-	-	-	42	-	-	-	-	-	-	-	1	51	51	298	-	25	25	25	-	14	10	(2)	-	-	-	-	53	1,010	996	750	0.398	0.409	0.401	0.378	21	413	399	284
5	30	6	97	1,103	1,077	1,060	-	-	-	-	48	-	-	-	-	-	-	-	14	865	866	1,115	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	36	216	186	(78)	0.398	0.407	0.399	0.375	14	88	74	(29)
5	30	7	98	1,106	1,076	1,056	-	-	-	-	43	-	-	-	-	-	-	-	26	1,588	1,598	1,854	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	28	(503)	(546)	(823)	0.396	0.333	0.321	0.382	11	(167)	(175)	(315)
5	30	8	102	1,152	1,121	1,103	-	-	-	-	41	-	-	-	-	-	-	-	40	2,137	2,194	2,492	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	20	(1,006)	(1,095)	(1,415)	0.388	0.320	0.314	0.321	8	(322)	(344)	(454)
5	30	9	110	1,247	1,223	1,212	-	-	-	-	40	-	-	-	-	-	-	-	51	2,483	2,587	2,927	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	18	(1,248)	(1,385)	(1,736)	0.394	0.243	0.240	0.000	7	(303)	(332)	-
5	30	10	118	1,342	1,320	1,311	-	-	-	-	40	-	-	-	-	-	-	-	58	2,684	2,822	3,193	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	20	(1,351)	(1,507)	(1,893)	0.314	0.243	0.243	0.000	6	(328)	(366)	-
5	30	11	124	1,418	1,398	1,390	-	-	-	-	42	-	-	-	-	-	-	-	63	2,770	2,932	3,325	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	19	(1,361)	(1,544)	(1,945)	0.317	0.243	0.243	0.000	6	(331)	(375)	-
5	30	12	128	1,464	1,446	1,438	-	-	-	-	39	-	-	-	-	-	-	-	64	2,766	2,938	3,339	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	25	(1,314)	(1,502)	(1,911)	0.310	0.243	0.243	0.000	8	(319)	(365)	-
5	30	13	130	1,492	1,478	1,475	-	-	-	-	38	-	-	-	-	-	-	-	63	2,740	2,912	3,313	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	29	(1,262)	(1,444)	(1,849)	0.315	0.243	0.243	0.000	9	(307)	(351)	-
5	30	14	131	1,514	1,504	1,504	-	-	-	-	40	-	-	-	-	-	-	-	62	2,739	2,904	3,299	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	29	(1,242)	(1,418)	(1,811)	0.317	0.243	0.243	0.000	9	(302)	(344)	-
5	30	15	133	1,534	1,527	1,531	-	-	-	-	45	-	-	-	-	-	-	-	59	2,651	2,799	3,179	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	29	(1,139)	(1,293)	(1,670)	0.316	0.240	0.240	0.195	9	(274)	(311)	(325)
5	30	16	135	1,562	1,564	1,575	-	-	-	-	43	-	-	-	-	-	-	-	51	2,411	2,528	2,880	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	40	(871)	(989)	(1,329)	0.321	0.247	0.230	0.240	13	(215)	(227)	(319)
5	30	17	136	1,588	1,598	1,616	-	-	-	-	43	-	-	-	-	-	-	-	39	1,972	2,047	2,361	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	53	(409)	(473)	(769)	0.398	0.246	0.320	0.234	21	(101)	(152)	(180)
5	30	18	139	1,625	1,644	1,670	-	-	-	-	48	-	-	-	-	-	-	-	21	1,195	1,219	1,488	-	25	25	25	-	(2)	(3)	1	-	-	-	-	70	407	402	155	0.400	0.332	0.396	0.386	28	135	159	60
5	30	19	140	1,644	1,667	1,696	-	-	-	-	53	-	-	-	-	-	-	-	5	388	390	638	-	25	25	25	-	(3)	1	9	-	-	-	-	81	1,233	1,251	1,023	0.403	0.407	0.400	0.393	33	502	500	402
5	30	20	144	1,689	1,714	1,745	-	-	-	-	54	-	-	-	-	-	-	-	0	59	59	306	-	25	25	25	-	5	1	6	-	-	-	-	89	1,600	1,628	1,407	0.404	0.420	0.411	0.395	36	672	669	556
5	30	21	150	1,770	1,799	1,832	-	-	-	-	54	-	-	-	-	-	-	-	-	54	54	301	-	25	25	25	-	3	7	12	-	-	-	-	96	1,688	1,713	1,495	0.402	0.408	0.400	0.392	39	688	686	586
5	30	22	145	1,713	1,743	1,779	-	-	-	-	53	-	-	-	-	-	-	-	-	45	45	292	-	25	25	25	-	2	4	4	-	-	-	-	92	1,641	1,669	1,457	0.397	0.404	0.395	0.387	37	662	660	564
5	30	23	133	1,565	1,593	1,626	-	-	-	-	44	-	-	-	-	-	-	-	-	46	46	293	-	25	25	25	-	6	4	13	-	-	-	-	88	1,488	1,518	1,294	0.396	0.406	0.398	0.382	35	603	604	494
5	30	24	127	1,496	1,517	1,543	-	-	-	-	43	-	-	-	-	-	-	-	-	48	48	295	-	25	25	25	-	9	9	3	-	-	-	-	85	1,414	1,435	1,220	0.392	0.409	0.400	0.379	33	579	574	462
5	31	1	109	1,270	1,279	1,293	-	-	-	-	39	-	-	-	-	-	-	-	-	50	50	297	-	25	25	25	-	5	7	5	-	-	-	-	70	1,190	1,197	966	0.393	0.407	0.399	0.375	28	484	478	362
5	31	2	102	1,188	1,189	1,196	-	-	-	-	39	-	-	-	-	-	-	-	-	47	47	294	-	25	25	25	-	5	4	0	-	-	-	-	63	1,111	1,113	877	0.393	0.405	0.399	0.372	25	450	444	326
5	31	3	98	1,138	1,133	1,133	-	-	-	-	38	-	-	-	-	-	-	-	-	45	45	292	-	25	25	25	-	12	6	2	-	-	-	-	60	1,056	1,057	814	0.405	0.406	0.399	0.372	24	429	421	303
5	31	4	97	1,113	1,101	1,095	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	25	25	25	-	11	6	1	-	-	-	-	58	1,038	1,031	783	0.392	0.407	0.399	0.372	23	423	411	292
5	31	5	99	1,132	1,115	1,105	-	-	-	-	42	-	-	-	-	-	-	-	1	82	82	329	-	25	25	25	-	14	10	(2)	-	-	-	-	56	1,011	998	753	0.398	0.409	0.401	0.378	22	414	400	285
5	31	6	105	1,203	1,179	1,164	-	-	-	-	48	-	-	-	-	-	-	-	14	891	892	1,141	-	25	25	25	-	(2)	(0)	(2)	-	-	-	-	44	289	262	0	0.398	0.407	0.399	0.375	17	118	104	0
5	31	7	116	1,325	1,300	1,285	-	-	-	-	43	-	-	-	-	-	-	-	26	1,585	1,596	1,852	-	25	25	25	-	(3)	(1)	(0)	-	-	-	-	47	(282)	(320)	(592)	0.396	0.333	0.321	0.382	18	(94)	(103)	(226)
5	31	8	128	1,461	1,438	1,427	-	-	-	-	41	-	-	-	-	-	-	-	40	2,119	2,177	2,475	-	25	25	25	-	(4)	(3)	(0)	-	-	-	-	47	(680)	(761)	(1,072)	0.388	0.320	0.314	0.321	18	(218)	(239)	(344)
5	31	9	135	1,551	1,534	1,530	-	-	-	-	40	-	-	-	-	-	-	-	52	2,496	2,602	2,944	-	25	25	25	-	(13)	(4)	(5)	-	-	-	-	43	(957)	(1,089)	(1,434)	0.394	0.243	0.240	0.000	17	(232)	(261)	-
5	31	10	142	1,626	1,611	1,609	-	-	-	-	40	-	-	-	-	-	-	-	59	2,715	2,856	3,231	-	25	25	25	-	(15)	(20)	(15)	-	-	-	-	43	(1,098)	(1,250)	(1,632)	0.314	0.243	0.243	0.000	13	(267)	(304)	-
5	31	11	147	1,695	1,682	1,681	-	-	-	-	42	-	-	-	-	-	-	-	63	2,781	2,945	3,338	-	25	25	25	-	(16)	(16)	(16)	-	-	-	-	42	(1,095)	(1,272)	(1,667)	0.317	0.243	0.243	0.000	13	(266)	(309)	-
5	31	12	151	1,735	1,723	1,723	-	-	-	-	39	-	-	-	-	-	-	-	64	2,774	2,947	3,349	-	25	25	25	-	(13)	(16)	(16)	-	-	-	-	48	(1,050)	(1,233)	(1,635)	0.310	0.243	0.243	0.000	15	(255)	(299)	-
5	31	13	153	1,769	1,762	1,766	-	-	-	-	38	-	-	-	-	-	-	-	64	2,747	2,922	3,325	-	25	25	25	-	(11)	(15)	(15)	-	-	-	-	52	(991)	(1,170)	(1,571)	0.315	0.243	0.243	0.000	16	(241)	(284)	-
5	31	14	156	1,808	1,805	1,813	-	-	-	-	40	-	-	-	-	-	-	-	62	2,735	2,899	3,293	-	25	25	25	-	(8)	(7)	(8)	-	-	-	-	54	(945)	(1,112)	(1,497)	0.317	0.243	0.243	0.000	17	(229)	(270)	-
5	31	15	158	1,829	1,830	1,840	-	-	-	-	45	-	-	-	-	-	-	-	58	2,647	2,792	3,169	-	25	25	25	-	(3)	(3)	(3)	-	-	-	-	54	(840)	(985)	(1,351)	0.316	0.240	0.240	0.195	17	(202)	(237)	(263)
5	31	16	159	1,858	1,867	1,886	-	-	-	-	43	-	-	-	-	-	-	-	51	2,410	2,525	2,875	-	25	25	25	-	(3)	(1)	(2)	-	-	-	-	65	(574)	(682)	(1,013)	0.321	0.247	0.230	0.240	21	(142)	(157)	(243)
5	31	17	160	1,870	1,887	1,912	-	-	-	-	43	-	-	-	-	-	-	-	39	1,986	2,059	2,371	-	25	25	25	-	(1)	(1)	(1)	-	-	-	-	77	(141)	(196)	(482)	0.398	0.246	0.320	0.234	31	(35)	(63)	(113)
5	31	18	158	1,861	1,885	1,917	-	-	-	-	48	-	-	-	-	-	-	-	22	1,244	1,268	1,536	-	25	25	25	-	(2)	(3)	1	-	-	-	-	89	593	595	355	0.400	0.332	0.396	0.386	36	197	235	137
5	31	19	157	1,847	1,875	1,909	-	-	-	-	53	-	-	-	-	-	-	-	6	425	427	675	-	25	25	25	-	(3)	1	9	-	-	-	-	98	1,399	1,421	1,199	0.403	0.407	0.400	0.393	39	569	569	471
5	31	20	158	1,864	1,894	1,929	-	-	-	-	54	-	-	-	-	-	-	-	0	70	70	317	-	25	25	25	-	5	1	6	-	-	-	-	104	1,765	1,797	1,581	0.404	0.420	0.411	0.395	42	742	739	625
5	31	21	163	1,922	1,954	1,991	-	-	-	-	54	-	-	-	-	-	-	-	-	66	66	313	-	25	25	25	-	3	7	12	-	-	-	-	109	1,827	1,855	1,641	0.402	0.408	0.400	0.392	44	745	743	644
5	31	22	156	1,839	1,872	1,910	-	-	-	-	53	-	-	-	-	-	-	-	-	60	60	307	-	25	25	25	-	2	4	4	-	-	-	-	103	1,752	1,783	1,575	0.397	0.404	0.395	0.387	41	707	705	609
5	31	23	142	1,672	1,702	1,737	-	-	-	-	44	-	-	-	-	-	-	-	-	48	48	295	-	25	25	25	-	6	4	13	-	-	-	-	97	1,593	1,625	1,404	0.396	0.406	0.398	0.382	39	646	646	536
5	31	24	145	1,702	1,728	1,759	-	-	-	-	43	-	-	-	-	-	-	-	-	43	43	290	-	25	25	25	-	9	9	3	-	-	-	-	102	1,625	1,650	1,441	0.392	0.409	0.400	0.379	40	665	660	546
6	1	1	115	1,341	1,350	1,363	-	-	-	-	39	-	-	-	-	-	-	-	-	35	35	282	-	3	3	3	-	10	7	3	-	-	-	-	76	1,293	1,305	1,075	0.407	0.428	0.417	0.394	31	554	544	423
6	1	2	108	1,258	1,258	1,264	-	-	-	-	36	-	-	-	-	-	-	-	-	28	28	275	-	3	3	3	-	3	2	1	-	-	-	-	72	1,224	1,226	985	0.407	0.429	0.416	0.393	29	525	510	388
6	1	3	104	1,201	1,195	1,194	-	-	-	-	36	-	-	-	-	-	-	-	-	19	19	266	-	3	3	3	-	3	5	1	-	-	-	-	68	1,177	1,168	925	0.406	0.430	0.416	0.394	27	506	487	365
6	1	4	102	1,166	1,152	1,145	-	-	-	-	38	-	-	-	-	-	-	-	-	10	10	257	-	3	3	3	-	7	7	1	-	-	-	-	64	1,146	1,132	884	0.406	0.429	0.417	0.393	26	492	472	347
6	1	5	102	1,164	1,144	1,133	-	-	-	-	41	-	-	-	-	-	-	-	1	40	40	287	-	3	3	3	-	9	4	2	-	-	-	-	60	1,112	1,097	841	0.408	0.427	0.416	0.392	24	475	457	329
6	1	6	108	1,229	1,203	1,187	-	-	-	-	47	-	-	-	-	-	-	-	12	763	765	1,013	-	3	3	3	-	(2)	(1)	1	-	-	-	-	49	465	437	170	0.406	0.432	0.415	0.388	20	201	182	66
6	1	7	118	1,339	1,311	1,294	-	-	-	-	47	-	-	-	-	-	-	-	24	1,461	1,472	1,728	-	3	3	3	-	(3)	(3)	1	-	-	-	-	46	(122)	(161)	(438)	0.398	0.410	0.417	0.378	18	(50)	(67)	(165)
6	1	8	129	1,469	1,443	1,430	-	-	-	-	41	-	-	-	-	-	-	-	39	2,068	2,123	2,419	-	3	3	3	-	(3)	(5)	12	-	-	-	-	49	(599)	(677)	(1,004)	0.395	0.545	0.392	0.141	19	(327)	(266)	(142)
6	1	9	135	1,541	1,520	1,512	-	-	-	-	40	-	-	-	-	-	-	-	49	2,410	2,508	2,843	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	46	(869)	(985)	(1,318)	0.388	0.022	0.022	0.021	18	(19)	(22)	(28)
6	1	10	142	1,623	1,602	1,596	-	-	-	-	43	-	-	-	-	-	-	-	55	2,534	2,661	3,022	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	44	(909)	(1,056)	(1,416)	0.395	0.022	0.022	0.022	17	(20)	(23)	(31)
6	1	11	147	1,688	1,667	1,660	-	-	-	-	39	-	-	-	-	-	-	-	57	2,565	2,705	3,077	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	52	(866)	(1,030)	(1,407)	0.397	0.022	0.022	0.022	21	(19)	(23)	(31)
6	1	12	151	1,729	1,710	1,702	-	-	-	-	38	-	-	-	-	-	-	-	55	2,435	2,577	2,951	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	58	(696)	(854)	(1,237)	0.392	0.022	0.022	0.022	23	(15)	(19)	(27)
6	1	13	153	1,759	1,742	1,737	-	-	-	-	37	-	-	-	-	-	-	-	51	2,242	2,379	2,748	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	65	(474)	(633)	(999)	0.394	0.022	0.022	0.022	25	(10)	(14)	(22)
6	1	14	156	1,798	1,785	1,783	-	-	-	-	37	-	-	-	-	-	-	-	48	2,145	2,266	2,622	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	72	(339)	(475)	(830)	0.393	0.022	0.022	0.022	28	(8)	(10)	(18)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	1	15	159	1,836	1,826	1,828	-	-	-	-	38	-	-	-	-	-	-	-	45	2,072	2,175	2,515	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	77	(224)	(343)	(679)	0.389	0.023	0.022	0.021	30	(5)	(7)	(14)
6	1	16	162	1,881	1,880	1,890	-	-	-	-	37	-	-	-	-	-	-	-	34	1,597	1,670	1,983	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	91	286	208	(90)	0.397	0.024	0.021	0.021	36	7	4	(2)
6	1	17	163	1,893	1,901	1,919	-	-	-	-	38	-	-	-	-	-	-	-	25	1,261	1,305	1,592	-	3	3	3	-	(3)	(7)	6	-	-	-	-	99	632	600	319	0.406	0.342	0.427	0.258	40	216	257	82
6	1	18	161	1,887	1,905	1,930	-	-	-	-	42	-	-	-	-	-	-	-	12	685	700	960	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	107	1,202	1,208	969	0.403	0.425	0.412	0.404	43	511	497	391
6	1	19	159	1,869	1,892	1,923	-	-	-	-	48	-	-	-	-	-	-	-	2	169	170	418	-	3	3	3	-	2	4	4	-	-	-	-	109	1,696	1,716	1,498	0.408	0.422	0.407	0.393	44	716	698	588
6	1	20	160	1,876	1,902	1,933	-	-	-	-	50	-	-	-	-	-	-	-	0	48	48	295	-	3	3	3	-	2	0	8	-	-	-	-	109	1,823	1,850	1,628	0.409	0.436	0.406	0.396	45	794	751	645
6	1	21	164	1,927	1,954	1,988	-	-	-	-	51	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	5	3	5	-	-	-	-	113	1,879	1,909	1,693	0.409	0.435	0.406	0.397	46	817	775	672
6	1	22	157	1,850	1,879	1,914	-	-	-	-	49	-	-	-	-	-	-	-	-	33	33	280	-	3	3	3	-	10	14	6	-	-	-	-	108	1,805	1,829	1,625	0.407	0.422	0.404	0.395	44	762	740	642
6	1	23	143	1,682	1,710	1,743	-	-	-	-	48	-	-	-	-	-	-	-	-	35	35	282	-	3	3	3	-	12	7	4	-	-	-	-	95	1,633	1,666	1,454	0.403	0.421	0.404	0.394	38	687	672	573
6	1	24	145	1,699	1,722	1,751	-	-	-	-	46	-	-	-	-	-	-	-	-	42	42	289	-	3	3	3	-	3	7	15	-	-	-	-	98	1,652	1,671	1,445	0.401	0.424	0.410	0.395	40	700	686	571
6	2	1	118	1,374	1,383	1,397	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	3	3	3	-	10	7	3	-	-	-	-	79	1,324	1,336	1,107	0.407	0.428	0.417	0.394	32	567	557	436
6	2	2	110	1,279	1,280	1,287	-	-	-	-	36	-	-	-	-	-	-	-	-	30	30	277	-	3	3	3	-	3	2	1	-	-	-	-	74	1,244	1,246	1,006	0.407	0.429	0.416	0.393	30	533	519	396
6	2	3	106	1,219	1,213	1,213	-	-	-	-	36	-	-	-	-	-	-	-	-	23	23	270	-	3	3	3	-	3	5	1	-	-	-	-	69	1,190	1,182	939	0.406	0.430	0.416	0.394	28	512	492	370
6	2	4	103	1,181	1,167	1,161	-	-	-	-	38	-	-	-	-	-	-	-	-	13	13	260	-	3	3	3	-	7	7	1	-	-	-	-	65	1,158	1,144	897	0.406	0.429	0.417	0.393	26	497	477	352
6	2	5	104	1,185	1,166	1,155	-	-	-	-	41	-	-	-	-	-	-	-	0	15	15	262	-	3	3	3	-	9	4	2	-	-	-	-	62	1,159	1,145	888	0.408	0.427	0.416	0.392	25	495	476	348
6	2	6	109	1,243	1,218	1,201	-	-	-	-	47	-	-	-	-	-	-	-	3	162	163	411	-	3	3	3	-	(2)	(1)	1	-	-	-	-	60	1,081	1,053	786	0.406	0.432	0.415	0.388	24	466	438	305
6	2	7	119	1,357	1,329	1,312	-	-	-	-	47	-	-	-	-	-	-	-	11	630	637	891	-	3	3	3	-	(3)	(3)	1	-	-	-	-	61	727	692	418	0.398	0.410	0.417	0.378	24	298	289	158
6	2	8	129	1,476	1,450	1,437	-	-	-	-	41	-	-	-	-	-	-	-	18	848	888	1,171	-	3	3	3	-	(3)	(5)	12	-	-	-	-	70	628	565	251	0.395	0.545	0.392	0.141	28	343	222	36
6	2	9	137	1,568	1,547	1,540	-	-	-	-	40	-	-	-	-	-	-	-	29	1,290	1,367	1,683	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	68	279	184	(130)	0.388	0.022	0.022	0.021	26	6	4	(3)
6	2	10	146	1,671	1,651	1,645	-	-	-	-	43	-	-	-	-	-	-	-	41	1,743	1,856	2,204	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	62	(71)	(203)	(548)	0.395	0.022	0.022	0.022	24	(2)	(4)	(12)
6	2	11	154	1,771	1,752	1,747	-	-	-	-	39	-	-	-	-	-	-	-	46	1,970	2,101	2,466	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	69	(188)	(341)	(708)	0.397	0.022	0.022	0.022	28	(4)	(8)	(16)
6	2	12	161	1,856	1,839	1,835	-	-	-	-	38	-	-	-	-	-	-	-	56	2,426	2,576	2,958	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	68	(561)	(724)	(1,112)	0.392	0.022	0.022	0.022	27	(12)	(16)	(25)
6	2	13	167	1,921	1,908	1,907	-	-	-	-	37	-	-	-	-	-	-	-	52	2,175	2,329	2,713	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	77	(245)	(418)	(794)	0.394	0.022	0.022	0.022	31	(5)	(9)	(18)
6	2	14	173	2,002	1,994	1,997	-	-	-	-	37	-	-	-	-	-	-	-	51	2,208	2,352	2,728	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	85	(198)	(352)	(723)	0.393	0.022	0.022	0.022	34	(4)	(8)	(16)
6	2	15	179	2,071	2,067	2,074	-	-	-	-	38	-	-	-	-	-	-	-	50	2,235	2,368	2,734	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	91	(151)	(294)	(651)	0.389	0.023	0.022	0.021	36	(3)	(6)	(14)
6	2	16	185	2,147	2,153	2,169	-	-	-	-	37	-	-	-	-	-	-	-	43	1,960	2,067	2,409	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	105	188	84	(236)	0.397	0.024	0.021	0.021	42	4	2	(5)
6	2	17	188	2,189	2,204	2,229	-	-	-	-	38	-	-	-	-	-	-	-	29	1,402	1,471	1,781	-	3	3	3	-	(3)	(7)	6	-	-	-	-	120	787	737	440	0.406	0.342	0.427	0.258	49	269	315	114
6	2	18	188	2,209	2,235	2,269	-	-	-	-	42	-	-	-	-	-	-	-	19	1,093	1,116	1,384	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	127	1,116	1,122	883	0.403	0.425	0.412	0.404	51	474	462	356
6	2	19	186	2,186	2,216	2,255	-	-	-	-	48	-	-	-	-	-	-	-	5	349	350	598	-	3	3	3	-	2	4	4	-	-	-	-	133	1,832	1,860	1,650	0.408	0.422	0.407	0.393	54	773	757	648
6	2	20	182	2,137	2,168	2,207	-	-	-	-	50	-	-	-	-	-	-	-	0	81	81	328	-	3	3	3	-	2	0	8	-	-	-	-	131	2,050	2,084	1,868	0.409	0.436	0.406	0.396	54	893	846	740
6	2	21	180	2,124	2,156	2,195	-	-	-	-	51	-	-	-	-	-	-	-	-	87	87	334	-	3	3	3	-	5	3	5	-	-	-	-	130	2,029	2,063	1,853	0.409	0.435	0.406	0.397	53	882	837	735
6	2	22	171	2,019	2,052	2,091	-	-	-	-	49	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	10	14	6	-	-	-	-	122	1,951	1,980	1,780	0.407	0.422	0.404	0.395	50	824	801	703
6	2	23	154	1,812	1,843	1,879	-	-	-	-	48	-	-	-	-	-	-	-	-	42	42	289	-	3	3	3	-	12	7	4	-	-	-	-	106	1,756	1,791	1,583	0.403	0.421	0.404	0.394	43	739	723	624
6	2	24	156	1,830	1,857	1,889	-	-	-	-	46	-	-	-	-	-	-	-	-	35	35	282	-	3	3	3	-	3	7	15	-	-	-	-	109	1,789	1,812	1,589	0.401	0.424	0.410	0.395	44	758	744	628
6	3	1	124	1,451	1,462	1,478	-	-	-	-	39	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	10	7	3	-	-	-	-	85	1,407	1,422	1,195	0.407	0.428	0.417	0.394	35	603	592	470
6	3	2	115	1,340	1,343	1,351	-	-	-	-	36	-	-	-	-	-	-	-	-	27	27	274	-	3	3	3	-	3	2	1	-	-	-	-	79	1,307	1,311	1,073	0.407	0.429	0.416	0.393	32	560	546	422
6	3	3	110	1,267	1,262	1,263	-	-	-	-	36	-	-	-	-	-	-	-	-	38	38	285	-	3	3	3	-	3	5	1	-	-	-	-	73	1,223	1,216	974	0.406	0.430	0.416	0.394	30	526	506	384
6	3	4	106	1,217	1,204	1,198	-	-	-	-	38	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	7	7	1	-	-	-	-	68	1,166	1,153	907	0.406	0.429	0.417	0.393	28	501	481	356
6	3	5	106	1,216	1,198	1,187	-	-	-	-	41	-	-	-	-	-	-	-	1	93	93	340	-	3	3	3	-	9	4	2	-	-	-	-	64	1,112	1,098	843	0.408	0.427	0.416	0.392	26	475	457	330
6	3	6	111	1,267	1,242	1,226	-	-	-	-	47	-	-	-	-	-	-	-	14	915	917	1,165	-	3	3	3	-	(2)	(1)	1	-	-	-	-	50	351	323	57	0.406	0.432	0.415	0.388	20	151	134	22
6	3	7	120	1,369	1,341	1,325	-	-	-	-	47	-	-	-	-	-	-	-	26	1,589	1,599	1,855	-	3	3	3	-	(3)	(3)	1	-	-	-	-	47	(221)	(258)	(534)	0.398	0.410	0.417	0.378	19	(91)	(107)	(202)
6	3	8	130	1,488	1,462	1,449	-	-	-	-	41	-	-	-	-	-	-	-	40	2,108	2,164	2,461	-	3	3	3	-	(3)	(5)	12	-	-	-	-	50	(620)	(699)	(1,026)	0.395	0.545	0.392	0.141	20	(338)	(274)	(145)
6	3	9	138	1,583	1,563	1,556	-	-	-	-	40	-	-	-	-	-	-	-	51	2,463	2,567	2,906	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	48	(879)	(1,000)	(1,337)	0.388	0.022	0.022	0.021	19	(19)	(22)	(28)
6	3	10	148	1,700	1,681	1,676	-	-	-	-	43	-	-	-	-	-	-	-	58	2,671	2,811	3,183	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	47	(969)	(1,127)	(1,496)	0.395	0.022	0.022	0.022	18	(21)	(25)	(33)
6	3	11	159	1,827	1,810	1,806	-	-	-	-	39	-	-	-	-	-	-	-	61	2,721	2,880	3,270	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	59	(883)	(1,062)	(1,454)	0.397	0.022	0.022	0.022	23	(20)	(23)	(32)
6	3	12	169	1,945	1,931	1,929	-	-	-	-	38	-	-	-	-	-	-	-	63	2,745	2,914	3,312	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	69	(790)	(970)	(1,372)	0.392	0.022	0.022	0.022	27	(17)	(21)	(30)
6	3	13	177	2,038	2,028	2,030	-	-	-	-	37	-	-	-	-	-	-	-	62	2,711	2,880	3,278	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	77	(664)	(849)	(1,236)	0.394	0.022	0.022	0.022	31	(15)	(19)	(27)
6	3	14	187	2,159	2,154	2,162	-	-	-	-	37	-	-	-	-	-	-	-	61	2,698	2,859	3,251	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	89	(532)	(699)	(1,081)	0.393	0.022	0.022	0.022	35	(12)	(15)	(24)
6	3	15	196	2,275	2,276	2,289	-	-	-	-	38	-	-	-	-	-	-	-	57	2,626	2,768	3,143	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	101	(338)	(486)	(846)	0.389	0.023	0.022	0.021	39	(8)	(11)	(18)
6	3	16	206	2,404	2,416	2,439	-	-	-	-	37	-	-	-	-	-	-	-	51	2,438	2,552	2,902	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	119	(32)	(138)	(459)	0.397	0.024	0.021	0.021	47	(1)	(3)	(10)
6	3	17	213	2,496	2,519	2,552	-	-	-	-	38	-	-	-	-	-	-	-	39	2,027	2,098	2,408	-	3	3	3	-	(3)	(7)	6	-	-	-	-	136	469	425	135	0.406	0.342	0.427	0.258	55	160	182	35
6	3	18	214	2,516	2,549	2,591	-	-	-	-	42	-	-	-	-	-	-	-	22	1,305	1,328	1,595	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	150	1,211	1,224	994	0.403	0.425	0.412	0.404	60	514	504	401
6	3	19	207	2,440	2,477	2,523	-	-	-	-	48	-	-	-	-	-	-	-	7	463	465	713	-	3	3	3	-	2	4	4	-	-	-	-	152	1,972	2,006	1,802	0.408	0.422	0.407	0.393	62	833	816	708
6	3	20	197	2,321	2,356	2,400	-	-	-	-	50	-	-	-	-	-	-	-	0	54	54	301	-	3	3	3	-	2	0	8	-	-	-	-	147	2,262	2,299	2,088	0.409	0.436	0.406	0.396	60	985	934	828
6	3	21	191	2,249	2,285	2,327	-	-	-	-	51	-	-	-	-	-	-	-	-	60	60	307	-	3	3	3	-	5	3	5	-	-	-	-	140	2,181	2,218	2,011	0.409	0.435	0.406	0.397	58	948	900	798
6	3	22	179	2,109	2,145	2,186	-	-	-	-	49	-	-	-	-	-	-	-	-	70	70	317	-	3	3	3	-	10	14	6	-	-	-	-	130	2,027	2,058	1,860	0.407	0.422	0.404	0.395	53	856	832	735
6	3	23	162	1,914	1,947	1,986	-	-	-	-	48	-	-	-	-	-	-	-	-	54	54	301	-	3	3	3	-	12	7	4	-	-	-	-	114	1,846	1,884	1,678	0.403	0.421	0.404	0.394	46	776	760	661
6	3	24	165	1,941	1,971	2,005	-	-	-	-	46	-	-	-	-	-	-	-	-	38	38	285	-	3	3	3	-	3	7	15	-	-	-	-	119	1,897	1,923	1,703	0.401	0.424	0.410	0.395	48	804	789	673
6	4	1	130	1,519	1,532	1,550	-	-	-	-	39	-	-	-	-	-	-	-	-	30	30	277	-	3	3	3	-	10	7	3	-	-	-	-	91	1,477	1,493	1,268	0.407	0.428	0.417	0.394	37	633	622	499
6	4	2	119	1,388	1,392	1,401	-	-	-	-	36	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	3	2	1	-	-	-	-	83	1,348	1,353	1,116	0.407	0.429	0.416	0.393	34	578	563	439
6	4	3	112	1,299	1,295	1,297	-	-	-	-	36	-	-	-	-	-	-	-	-	42	42	289	-	3	3	3	-	3	5	1	-	-	-	-	76	1,251	1,245	1,004	0.406	0.430	0.416	0.394	31	538	519	396
6	4	4	107	1,231	1,219	1,213	-	-	-	-	38	-	-	-	-	-	-	-	-	36	36	283	-	3	3	3	-	7	7	1	-	-	-	-	69	1,185	1,173	927	0.406	0.429	0.417	0.393	28	509	489	364
6	4	5	105	1,206	1,187	1,176	-	-	-	-	41	-	-	-	-	-	-	-	1	71	71	318	-	3	3	3	-	9	4	2	-	-	-	-	63	1,123	1,109	853	0.408	0.427	0.416	0.392	26	480	462	334
6	4	6	106	1,203	1,176	1,159	-	-	-	-	47	-	-	-	-	-	-	-	11	725	727	975	-	3	3	3	-	(2)	(1)	1	-	-	-	-	48	477	448	180	0.406	0.432	0.415	0.388	19	206	186	70
6	4	7	107	1,217	1,187	1,166	-	-	-	-	47	-	-	-	-	-	-	-	20	1,239	1,251	1,508	-	3	3	3	-	(3)	(3)	1	-	-	-	-	40	(22)	(64)	(345)	0.398	0.410	0.417	0.378	16	(9)	(27)	(130)
6	4	8	114	1,296	1,266	1,248	-	-	-	-	41	-	-	-	-	-	-	-	33	1,753	1,802	2,092	-	3	3	3	-	(3)	(5)	12	-	-	-	-	41	(457)	(534)	(859)	0.395	0.545	0.392	0.141	16	(249)	(209)	(121)
6	4	9	125	1,421	1,397	1,387	-	-	-	-	40	-	-	-	-	-	-	-	43	2,096	2,185	2,511	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	42	(674)	(784)	(1,112)	0.388	0.022	0.022	0.021	16	(15)	(17)	(23)
6	4	10	136	1,554	1,532	1,523	-	-	-	-	43	-	-	-	-	-	-	-	50	2,278	2,403	2,762	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	43	(723)	(869)	(1,228)	0.395	0.022	0.022	0.022	17	(16)	(19)	(27)
6	4	11	147	1,681	1,660	1,652	-	-	-	-	39	-	-	-	-	-	-	-	53	2,378	2,522	2,898	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	55	(687)	(854)	(1,234)	0.397	0.022	0.022	0.022	22	(15)	(19)	(27)
6	4	12	155	1,776	1,758	1,751	-	-	-	-	38	-	-	-	-	-	-	-	54	2,375	2,530	2,916	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	63	(589)	(759)	(1,153)	0.392	0.022	0.022	0.022	25	(13)	(17)	(25)
6	4	13	163	1,880	1,866	1,864	-	-	-	-	37	-	-	-	-	-	-	-	59	2,642	2,800	3,189	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	67	(753)	(931)	(1,312)	0.394	0.022	0.022	0.022	26	(17)	(21)	(29)
6	4	14	171	1,974	1,965	1,968	-	-	-	-	37	-	-	-	-	-	-	-	58	2,654	2,802	3,182	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	77	(672)	(831)	(1,206)	0.393	0.022	0.022	0.022	30	(15)	(18)	(26)
6	4	15	178	2,056	2,052	2,059	-	-	-	-	38	-	-	-	-	-	-	-	52	2,507	2,630	2,987	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	88	(439)	(572)	(920)	0.389	0.023	0.022	0.021	34	(10)	(12)	(19)
6	4	16	185	2,148	2,153	2,170	-	-	-	-	37	-	-	-	-	-	-	-	42	2,081	2,176	2,509	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	105	68	(24)	(335)	0.397	0.024	0.021	0.021	42	2	(1)	(7)
6	4	17	187	2,187	2,202	2,228	-	-	-	-	38	-	-	-	-	-	-	-	30	1,569	1,628	1,927	-	3	3	3	-	(3)	(7)	6	-	-	-	-	119	617	579	292	0.406	0.342	0.427	0.258	48	211	247	75
6	4	18	187	2,188	2,213	2,247	-	-	-	-	42	-	-	-	-	-	-	-	17	1,030	1,050	1,315	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	127	1,157	1,166	930	0.403	0.425	0.412	0.404	51	492	480	375
6	4	19	182	2,144	2,174	2,212	-	-	-	-	48	-	-	-	-	-	-	-	4	350	352	600	-	3	3	3	-	2	4	4	-	-	-	-	130	1,789	1,816	1,605	0.408	0.422	0.407	0.393	53	755	739	630
6	4	20	176	2,068	2,098	2,134	-	-	-	-	50	-	-	-	-	-	-	-	0	96	96	343	-	3	3	3	-	2	0	8	-	-	-	-	126	1,967	1,999	1,781	0.409	0.436	0.406	0.396	51	857	812	706
6	4	21	172	2,028	2,058	2,095	-	-	-	-	51	-	-	-	-	-	-	-	-	88	88	335	-	3	3	3	-	5	3	5	-	-	-	-	122	1,933	1,964	1,752	0.409	0.435	0.406	0.397	50	840	797	695
6	4	22	164	1,927	1,958	1,995	-	-	-	-	49	-	-	-	-	-	-	-	-	74	74	321	-	3	3	3	-	10	14	6	-	-	-	-	114	1,840	1,867	1,665	0.407	0.422	0.404	0.395	47	777	755	658
6	4	23	150	1,770	1,801	1,836	-	-	-	-	48	-	-	-	-	-	-	-	-	62	62	309	-	3	3	3	-	12	7	4	-	-	-	-	102	1,694	1,728	1,519	0.403	0.421	0.404	0.394	41	712	697	599
6	4	24	154	1,810	1,836	1,868	-	-	-	-	46	-	-	-	-	-	-	-	-	62	62	309	-	3	3	3	-	3	7	15	-	-	-	-	108	1,743	1,765	1,541	0.401	0.424	0.410	0.395	43	738	724	609
6	5	1	123	1,436	1,447	1,462	-	-	-	-	39	-	-	-	-	-	-	-	-	61	61	308	-	3	3	3	-	10	7	3	-	-	-	-	84	1,362	1,376	1,148	0.407	0.428	0.417	0.394	34	583	573	452
6	5	2	114	1,320	1,322	1,330	-	-	-	-	36	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	3	2	1	-	-	-	-	77	1,251	1,254	1,015	0.407	0.429	0.416	0.393	31	536	522	399
6	5	3	107	1,241	1,235	1,235	-	-	-	-	36	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	3	5	1	-	-	-	-	71	1,172	1,165	922	0.406	0.430	0.416	0.394	29	504	485	364
6	5	4	103	1,182	1,169	1,162	-	-	-	-	38	-	-	-	-	-	-	-	-	71	71	318	-	3	3	3	-	7	7	1	-	-	-	-	65	1,101	1,088	840	0.406	0.429	0.417	0.393	26	473	453	330
6	5	5	101	1,148	1,129	1,116	-	-	-	-	41	-	-	-	-	-	-	-	1	114	114	361	-	3	3	3	-	9	4	2	-	-	-	-	59	1,023	1,008	751	0.408	0.427	0.416	0.392	24	437	420	294
6	5	6	99	1,129	1,101	1,081	-	-	-	-	47	-	-	-	-	-	-	-	12	805	806	1,054	-	3	3	3	-	(2)	(1)	1	-	-	-	-	41	323	293	24	0.406	0.432	0.415	0.388	17	140	122	9
6	5	7	100	1,124	1,091	1,068	-	-	-	-	47	-	-	-	-	-	-	-	24	1,479	1,489	1,745	-	3	3	3	-	(3)	(3)	1	-	-	-	-	29	(355)	(398)	(680)	0.398	0.410	0.417	0.378	12	(146)	(166)	(257)
6	5	8	104	1,169	1,136	1,115	-	-	-	-	41	-	-	-	-	-	-	-	31	1,720	1,764	2,050	-	3	3	3	-	(3)	(5)	12	-	-	-	-	32	(550)	(625)	(949)	0.395	0.545	0.392	0.141	13	(300)	(245)	(134)
6	5	9	111	1,256	1,228	1,214	-	-	-	-	40	-	-	-	-	-	-	-	36	1,847	1,924	2,239	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	35	(589)	(691)	(1,013)	0.388	0.022	0.022	0.021	13	(13)	(15)	(21)
6	5	10	119	1,355	1,328	1,315	-	-	-	-	43	-	-	-	-	-	-	-	45	2,211	2,311	2,648	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	31	(853)	(981)	(1,323)	0.395	0.022	0.022	0.022	12	(19)	(22)	(29)
6	5	11	127	1,441	1,415	1,401	-	-	-	-	39	-	-	-	-	-	-	-	51	2,499	2,617	2,969	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	37	(1,047)	(1,193)	(1,557)	0.397	0.022	0.022	0.022	15	(23)	(26)	(34)
6	5	12	132	1,507	1,482	1,469	-	-	-	-	38	-	-	-	-	-	-	-	53	2,501	2,629	2,992	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	42	(984)	(1,134)	(1,511)	0.392	0.022	0.022	0.022	16	(22)	(25)	(33)
6	5	13	137	1,568	1,546	1,536	-	-	-	-	37	-	-	-	-	-	-	-	55	2,587	2,726	3,099	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	44	(1,009)	(1,177)	(1,550)	0.394	0.022	0.022	0.022	18	(22)	(26)	(34)
6	5	14	141	1,619	1,601	1,595	-	-	-	-	37	-	-	-	-	-	-	-	51	2,390	2,519	2,882	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	54	(763)	(911)	(1,279)	0.393	0.022	0.022	0.022	21	(17)	(20)	(28)
6	5	15	145	1,672	1,659	1,656	-	-	-	-	38	-	-	-	-	-	-	-	37	1,711	1,813	2,152	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	71	(26)	(148)	(488)	0.389	0.023	0.022	0.021	28	(1)	(3)	(10)
6	5	16	150	1,734	1,730	1,736	-	-	-	-	37	-	-	-	-	-	-	-	28	1,273	1,353	1,671	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	85	462	375	68	0.397	0.024	0.021	0.021	34	11	8	1
6	5	17	153	1,785	1,791	1,806	-	-	-	-	38	-	-	-	-	-	-	-	20	971	1,021	1,313	-	3	3	3	-	(3)	(7)	6	-	-	-	-	96	814	774	484	0.406	0.342	0.427	0.258	39	278	331	125
6	5	18	157	1,833	1,849	1,874	-	-	-	-	42	-	-	-	-	-	-	-	10	612	630	894	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	104	1,221	1,222	978	0.403	0.425	0.412	0.404	42	519	503	395
6	5	19	157	1,837	1,859	1,889	-	-	-	-	48	-	-	-	-	-	-	-	2	190	192	440	-	3	3	3	-	2	4	4	-	-	-	-	106	1,642	1,661	1,442	0.408	0.422	0.407	0.393	43	693	676	566
6	5	20	155	1,817	1,840	1,871	-	-	-	-	50	-	-	-	-	-	-	-	0	86	86	333	-	3	3	3	-	2	0	8	-	-	-	-	104	1,725	1,751	1,527	0.409	0.436	0.406	0.396	43	751	711	605
6	5	21	157	1,847	1,872	1,904	-	-	-	-	51	-	-	-	-	-	-	-	-	79	79	326	-	3	3	3	-	5	3	5	-	-	-	-	107	1,760	1,787	1,570	0.409	0.435	0.406	0.397	44	765	725	623
6	5	22	151	1,774	1,801	1,834	-	-	-	-	49	-	-	-	-	-	-	-	-	67	67	314	-	3	3	3	-	10	14	6	-	-	-	-	101	1,694	1,717	1,511	0.407	0.422	0.404	0.395	41	715	694	597
6	5	23	137	1,617	1,644	1,675	-	-	-	-	48	-	-	-	-	-	-	-	-	67	67	314	-	3	3	3	-	12	7	4	-	-	-	-	89	1,536	1,567	1,354	0.403	0.421	0.404	0.394	36	646	632	533
6	5	24	133	1,562	1,582	1,606	-	-	-	-	46	-	-	-	-	-	-	-	-	77	77	324	-	3	3	3	-	3	7	15	-	-	-	-	87	1,479	1,495	1,265	0.401	0.424	0.410	0.395	35	627	614	500
6	6	1	113	1,315	1,323	1,336	-	-	-	-	39	-	-	-	-	-	-	-	-	70	70	317	-	3	3	3	-	10	7	3	-	-	-	-	74	1,232	1,243	1,013	0.407	0.428	0.417	0.394	30	528	518	399

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	6	2	106	1,229	1,229	1,234	-	-	-	-	36	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	3	2	1	-	-	-	-	70	1,168	1,169	928	0.407	0.429	0.416	0.393	28	501	487	365
6	6	3	102	1,172	1,165	1,164	-	-	-	-	36	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	3	5	1	-	-	-	-	65	1,117	1,107	863	0.406	0.430	0.416	0.394	26	480	461	340
6	6	4	100	1,142	1,127	1,119	-	-	-	-	38	-	-	-	-	-	-	-	-	49	49	296	-	3	3	3	-	7	7	1	-	-	-	-	62	1,082	1,068	819	0.406	0.429	0.417	0.393	25	465	445	322
6	6	5	101	1,151	1,131	1,119	-	-	-	-	41	-	-	-	-	-	-	-	0	78	78	325	-	3	3	3	-	9	4	2	-	-	-	-	59	1,061	1,046	789	0.408	0.427	0.416	0.392	24	453	435	309
6	6	6	107	1,212	1,186	1,169	-	-	-	-	47	-	-	-	-	-	-	-	8	598	600	848	-	3	3	3	-	(2)	(1)	1	-	-	-	-	51	613	585	317	0.406	0.432	0.415	0.388	21	265	243	123
6	6	7	116	1,320	1,292	1,274	-	-	-	-	47	-	-	-	-	-	-	-	23	1,506	1,516	1,771	-	3	3	3	-	(3)	(3)	1	-	-	-	-	46	(186)	(224)	(501)	0.398	0.410	0.417	0.378	18	(76)	(93)	(189)
6	6	8	126	1,440	1,414	1,400	-	-	-	-	41	-	-	-	-	-	-	-	40	2,201	2,255	2,550	-	3	3	3	-	(3)	(5)	12	-	-	-	-	46	(761)	(839)	(1,165)	0.395	0.545	0.392	0.141	18	(415)	(329)	(165)
6	6	9	134	1,534	1,512	1,505	-	-	-	-	40	-	-	-	-	-	-	-	52	2,623	2,724	3,061	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	43	(1,089)	(1,208)	(1,543)	0.388	0.022	0.022	0.021	17	(24)	(27)	(32)
6	6	10	141	1,618	1,597	1,590	-	-	-	-	43	-	-	-	-	-	-	-	59	2,829	2,966	3,335	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	39	(1,209)	(1,366)	(1,734)	0.395	0.022	0.022	0.022	15	(27)	(30)	(38)
6	6	11	147	1,686	1,666	1,658	-	-	-	-	39	-	-	-	-	-	-	-	63	2,898	3,058	3,448	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	46	(1,201)	(1,384)	(1,779)	0.397	0.022	0.022	0.022	18	(27)	(31)	(39)
6	6	12	150	1,719	1,698	1,691	-	-	-	-	38	-	-	-	-	-	-	-	65	2,932	3,102	3,503	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	48	(1,203)	(1,391)	(1,800)	0.392	0.022	0.022	0.022	19	(27)	(31)	(40)
6	6	13	152	1,750	1,733	1,728	-	-	-	-	37	-	-	-	-	-	-	-	65	2,921	3,094	3,496	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	50	(1,161)	(1,357)	(1,756)	0.394	0.022	0.022	0.022	20	(26)	(30)	(39)
6	6	14	156	1,799	1,786	1,784	-	-	-	-	37	-	-	-	-	-	-	-	64	2,918	3,087	3,485	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	55	(1,111)	(1,295)	(1,693)	0.393	0.022	0.022	0.022	22	(25)	(29)	(37)
6	6	15	159	1,841	1,831	1,833	-	-	-	-	38	-	-	-	-	-	-	-	61	2,855	3,006	3,388	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	61	(1,002)	(1,168)	(1,547)	0.389	0.023	0.022	0.021	24	(23)	(25)	(32)
6	6	16	163	1,893	1,892	1,902	-	-	-	-	37	-	-	-	-	-	-	-	54	2,610	2,731	3,086	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	72	(716)	(840)	(1,180)	0.397	0.024	0.021	0.021	29	(17)	(18)	(25)
6	6	17	166	1,929	1,938	1,956	-	-	-	-	38	-	-	-	-	-	-	-	42	2,158	2,236	2,553	-	3	3	3	-	(3)	(7)	6	-	-	-	-	85	(229)	(294)	(605)	0.406	0.342	0.427	0.258	35	(78)	(126)	(156)
6	6	18	165	1,931	1,950	1,977	-	-	-	-	42	-	-	-	-	-	-	-	23	1,345	1,371	1,642	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	100	586	582	333	0.403	0.425	0.412	0.404	40	249	239	134
6	6	19	162	1,906	1,930	1,962	-	-	-	-	48	-	-	-	-	-	-	-	7	513	514	762	-	3	3	3	-	2	4	4	-	-	-	-	107	1,389	1,410	1,192	0.408	0.422	0.407	0.393	44	586	574	468
6	6	20	162	1,900	1,926	1,958	-	-	-	-	50	-	-	-	-	-	-	-	0	95	95	342	-	3	3	3	-	2	0	8	-	-	-	-	111	1,800	1,828	1,606	0.409	0.436	0.406	0.396	46	784	742	636
6	6	21	165	1,942	1,970	2,004	-	-	-	-	51	-	-	-	-	-	-	-	-	70	70	317	-	3	3	3	-	5	3	5	-	-	-	-	115	1,865	1,895	1,680	0.409	0.435	0.406	0.397	47	811	769	666
6	6	22	158	1,860	1,889	1,924	-	-	-	-	49	-	-	-	-	-	-	-	-	53	53	300	-	3	3	3	-	10	14	6	-	-	-	-	109	1,794	1,819	1,615	0.407	0.422	0.404	0.395	44	758	736	638
6	6	23	143	1,687	1,715	1,748	-	-	-	-	48	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	12	7	4	-	-	-	-	95	1,617	1,650	1,438	0.403	0.421	0.404	0.394	38	680	666	567
6	6	24	144	1,695	1,719	1,747	-	-	-	-	46	-	-	-	-	-	-	-	-	53	53	300	-	3	3	3	-	3	7	15	-	-	-	-	98	1,636	1,656	1,429	0.401	0.424	0.410	0.395	39	693	680	565
6	7	1	117	1,371	1,380	1,394	-	-	-	-	39	-	-	-	-	-	-	-	-	49	49	296	-	3	3	3	-	10	7	3	-	-	-	-	79	1,309	1,322	1,093	0.407	0.428	0.417	0.394	32	561	551	430
6	7	2	110	1,282	1,283	1,289	-	-	-	-	36	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	3	2	1	-	-	-	-	74	1,236	1,238	998	0.407	0.429	0.416	0.393	30	530	516	393
6	7	3	106	1,220	1,214	1,214	-	-	-	-	36	-	-	-	-	-	-	-	-	27	27	274	-	3	3	3	-	3	5	1	-	-	-	-	69	1,188	1,180	937	0.406	0.430	0.416	0.394	28	510	491	369
6	7	4	103	1,185	1,171	1,165	-	-	-	-	38	-	-	-	-	-	-	-	-	28	28	275	-	3	3	3	-	7	7	1	-	-	-	-	65	1,146	1,133	885	0.406	0.429	0.417	0.393	27	492	472	348
6	7	5	104	1,184	1,165	1,154	-	-	-	-	41	-	-	-	-	-	-	-	1	88	88	335	-	3	3	3	-	9	4	2	-	-	-	-	61	1,085	1,070	814	0.408	0.427	0.416	0.392	25	463	446	319
6	7	6	109	1,246	1,220	1,204	-	-	-	-	47	-	-	-	-	-	-	-	16	1,021	1,023	1,271	-	3	3	3	-	(2)	(1)	1	-	-	-	-	46	224	196	(71)	0.406	0.432	0.415	0.388	19	97	81	(28)
6	7	7	119	1,355	1,327	1,310	-	-	-	-	47	-	-	-	-	-	-	-	28	1,727	1,736	1,991	-	3	3	3	-	(3)	(3)	1	-	-	-	-	43	(372)	(409)	(685)	0.398	0.410	0.417	0.378	17	(153)	(170)	(259)
6	7	8	129	1,475	1,449	1,436	-	-	-	-	41	-	-	-	-	-	-	-	43	2,277	2,336	2,636	-	3	3	3	-	(3)	(5)	12	-	-	-	-	46	(801)	(884)	(1,214)	0.395	0.545	0.392	0.141	18	(437)	(347)	(172)
6	7	9	136	1,556	1,535	1,528	-	-	-	-	40	-	-	-	-	-	-	-	54	2,628	2,737	3,081	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	43	(1,071)	(1,197)	(1,540)	0.388	0.022	0.022	0.021	16	(24)	(26)	(32)
6	7	10	143	1,634	1,613	1,607	-	-	-	-	43	-	-	-	-	-	-	-	60	2,767	2,912	3,289	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	39	(1,132)	(1,297)	(1,672)	0.395	0.022	0.022	0.022	15	(25)	(29)	(37)
6	7	11	148	1,692	1,672	1,665	-	-	-	-	39	-	-	-	-	-	-	-	64	2,830	2,996	3,393	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	45	(1,126)	(1,316)	(1,717)	0.397	0.022	0.022	0.022	18	(25)	(29)	(38)
6	7	12	152	1,739	1,719	1,712	-	-	-	-	38	-	-	-	-	-	-	-	66	2,863	3,043	3,450	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	48	(1,114)	(1,310)	(1,727)	0.392	0.022	0.022	0.022	19	(25)	(29)	(38)
6	7	13	154	1,773	1,756	1,752	-	-	-	-	37	-	-	-	-	-	-	-	66	2,864	3,044	3,452	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	51	(1,081)	(1,284)	(1,688)	0.394	0.022	0.022	0.022	20	(24)	(28)	(37)
6	7	14	158	1,822	1,809	1,808	-	-	-	-	37	-	-	-	-	-	-	-	65	2,838	3,010	3,410	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	57	(1,008)	(1,194)	(1,594)	0.393	0.022	0.022	0.022	22	(23)	(26)	(35)
6	7	15	162	1,869	1,860	1,863	-	-	-	-	38	-	-	-	-	-	-	-	61	2,734	2,886	3,269	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	64	(853)	(1,019)	(1,398)	0.389	0.023	0.022	0.021	25	(20)	(22)	(29)
6	7	16	166	1,922	1,922	1,933	-	-	-	-	37	-	-	-	-	-	-	-	54	2,522	2,645	3,001	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	74	(599)	(724)	(1,065)	0.397	0.024	0.021	0.021	30	(14)	(15)	(23)
6	7	17	167	1,945	1,955	1,974	-	-	-	-	38	-	-	-	-	-	-	-	42	2,073	2,152	2,470	-	3	3	3	-	(3)	(7)	6	-	-	-	-	87	(128)	(193)	(505)	0.406	0.342	0.427	0.258	35	(44)	(82)	(130)
6	7	18	166	1,938	1,957	1,984	-	-	-	-	42	-	-	-	-	-	-	-	24	1,339	1,367	1,638	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	99	599	594	344	0.403	0.425	0.412	0.404	40	254	244	139
6	7	19	163	1,912	1,937	1,968	-	-	-	-	48	-	-	-	-	-	-	-	7	471	473	721	-	3	3	3	-	2	4	4	-	-	-	-	107	1,436	1,457	1,240	0.408	0.422	0.407	0.393	44	606	593	487
6	7	20	162	1,898	1,923	1,956	-	-	-	-	50	-	-	-	-	-	-	-	0	35	35	282	-	3	3	3	-	2	0	8	-	-	-	-	111	1,857	1,885	1,663	0.409	0.436	0.406	0.396	46	809	765	659
6	7	21	166	1,948	1,976	2,011	-	-	-	-	51	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	5	3	5	-	-	-	-	115	1,906	1,936	1,721	0.409	0.435	0.406	0.397	47	829	786	683
6	7	22	159	1,874	1,904	1,939	-	-	-	-	49	-	-	-	-	-	-	-	-	30	30	277	-	3	3	3	-	10	14	6	-	-	-	-	110	1,831	1,856	1,653	0.407	0.422	0.404	0.395	45	773	751	653
6	7	23	145	1,706	1,734	1,768	-	-	-	-	48	-	-	-	-	-	-	-	-	24	24	271	-	3	3	3	-	12	7	4	-	-	-	-	97	1,667	1,700	1,489	0.403	0.421	0.404	0.394	39	701	686	587
6	7	24	146	1,718	1,742	1,771	-	-	-	-	46	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	3	7	15	-	-	-	-	100	1,681	1,701	1,475	0.401	0.424	0.410	0.395	40	712	698	583
6	8	1	118	1,383	1,393	1,407	-	-	-	-	39	-	-	-	-	-	-	-	-	25	25	272	-	3	3	3	-	10	7	3	-	-	-	-	80	1,346	1,359	1,130	0.407	0.428	0.417	0.394	32	577	566	445
6	8	2	111	1,290	1,291	1,298	-	-	-	-	36	-	-	-	-	-	-	-	-	17	17	264	-	3	3	3	-	3	2	1	-	-	-	-	75	1,267	1,269	1,030	0.407	0.429	0.416	0.393	30	543	529	405
6	8	3	106	1,226	1,220	1,220	-	-	-	-	36	-	-	-	-	-	-	-	-	8	8	255	-	3	3	3	-	3	5	1	-	-	-	-	70	1,212	1,204	961	0.406	0.430	0.416	0.394	28	521	502	379
6	8	4	104	1,191	1,177	1,171	-	-	-	-	38	-	-	-	-	-	-	-	-	1	1	248	-	3	3	3	-	7	7	1	-	-	-	-	66	1,179	1,166	919	0.406	0.429	0.417	0.393	27	506	486	361
6	8	5	104	1,190	1,171	1,160	-	-	-	-	41	-	-	-	-	-	-	-	1	61	61	308	-	3	3	3	-	9	4	2	-	-	-	-	62	1,118	1,103	847	0.408	0.427	0.416	0.392	25	478	459	332
6	8	6	109	1,245	1,219	1,203	-	-	-	-	47	-	-	-	-	-	-	-	14	890	891	1,140	-	3	3	3	-	(2)	(1)	1	-	-	-	-	48	354	326	59	0.406	0.432	0.415	0.388	19	153	136	23
6	8	7	118	1,341	1,314	1,297	-	-	-	-	47	-	-	-	-	-	-	-	27	1,630	1,639	1,894	-	3	3	3	-	(3)	(3)	1	-	-	-	-	44	(289)	(325)	(601)	0.398	0.410	0.417	0.378	17	(119)	(136)	(227)
6	8	8	128	1,462	1,436	1,422	-	-	-	-	41	-	-	-	-	-	-	-	41	2,167	2,225	2,524	-	3	3	3	-	(3)	(5)	12	-	-	-	-	46	(705)	(787)	(1,116)	0.395	0.545	0.392	0.141	18	(385)	(309)	(158)
6	8	9	136	1,556	1,536	1,528	-	-	-	-	40	-	-	-	-	-	-	-	52	2,521	2,628	2,970	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	44	(964)	(1,088)	(1,429)	0.388	0.022	0.022	0.021	17	(21)	(24)	(30)
6	8	10	143	1,642	1,622	1,616	-	-	-	-	43	-	-	-	-	-	-	-	60	2,750	2,892	3,266	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	40	(1,106)	(1,268)	(1,640)	0.395	0.022	0.022	0.022	16	(24)	(28)	(36)
6	8	11	150	1,721	1,701	1,695	-	-	-	-	39	-	-	-	-	-	-	-	63	2,813	2,977	3,370	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	48	(1,081)	(1,267)	(1,664)	0.397	0.022	0.022	0.022	19	(24)	(28)	(37)
6	8	12	154	1,774	1,755	1,749	-	-	-	-	38	-	-	-	-	-	-	-	65	2,834	3,007	3,410	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	52	(1,050)	(1,239)	(1,650)	0.392	0.022	0.022	0.022	20	(23)	(27)	(36)
6	8	13	158	1,816	1,801	1,797	-	-	-	-	37	-	-	-	-	-	-	-	64	2,786	2,961	3,364	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	56	(960)	(1,157)	(1,555)	0.394	0.022	0.022	0.022	22	(21)	(26)	(34)
6	8	14	164	1,889	1,878	1,879	-	-	-	-	37	-	-	-	-	-	-	-	64	2,797	2,965	3,363	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	64	(901)	(1,081)	(1,476)	0.393	0.022	0.022	0.022	25	(20)	(24)	(32)
6	8	15	169	1,950	1,942	1,947	-	-	-	-	38	-	-	-	-	-	-	-	59	2,646	2,797	3,179	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	72	(684)	(848)	(1,223)	0.389	0.023	0.022	0.021	28	(16)	(18)	(25)
6	8	16	173	2,008	2,010	2,023	-	-	-	-	37	-	-	-	-	-	-	-	52	2,383	2,503	2,857	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	84	(374)	(494)	(830)	0.397	0.024	0.021	0.021	33	(9)	(10)	(18)
6	8	17	175	2,040	2,052	2,073	-	-	-	-	38	-	-	-	-	-	-	-	39	1,897	1,974	2,290	-	3	3	3	-	(3)	(7)	6	-	-	-	-	98	143	82	(225)	0.406	0.342	0.427	0.258	40	49	35	(58)
6	8	18	174	2,041	2,062	2,092	-	-	-	-	42	-	-	-	-	-	-	-	22	1,200	1,227	1,498	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	110	841	839	592	0.403	0.425	0.412	0.404	44	357	345	239
6	8	19	171	2,012	2,039	2,074	-	-	-	-	48	-	-	-	-	-	-	-	6	414	416	664	-	3	3	3	-	2	4	4	-	-	-	-	117	1,593	1,617	1,402	0.408	0.422	0.407	0.393	48	673	658	551
6	8	20	168	1,977	2,004	2,039	-	-	-	-	50	-	-	-	-	-	-	-	0	39	39	286	-	3	3	3	-	2	0	8	-	-	-	-	118	1,932	1,962	1,742	0.409	0.436	0.406	0.396	48	842	797	690
6	8	21	170	2,000	2,029	2,065	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	5	3	5	-	-	-	-	119	1,942	1,973	1,760	0.409	0.435	0.406	0.397	49	844	801	698
6	8	22	163	1,920	1,950	1,987	-	-	-	-	49	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	10	14	6	-	-	-	-	114	1,857	1,884	1,681	0.407	0.422	0.404	0.395	46	784	762	664
6	8	23	148	1,742	1,771	1,805	-	-	-	-	48	-	-	-	-	-	-	-	-	48	48	295	-	3	3	3	-	12	7	4	-	-	-	-	100	1,679	1,713	1,503	0.403	0.421	0.404	0.394	40	706	691	592
6	8	24	149	1,747	1,771	1,801	-	-	-	-	46	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	3	7	15	-	-	-	-	102	1,690	1,711	1,486	0.401	0.424	0.410	0.395	41	716	702	588
6	9	1	121	1,411	1,421	1,436	-	-	-	-	39	-	-	-	-	-	-	-	-	44	44	291	-	3	3	3	-	10	7	3	-	-	-	-	82	1,354	1,368	1,140	0.407	0.428	0.417	0.394	33	580	570	449
6	9	2	113	1,313	1,315	1,322	-	-	-	-	36	-	-	-	-	-	-	-	-	36	36	283	-	3	3	3	-	3	2	1	-	-	-	-	77	1,271	1,273	1,034	0.407	0.429	0.416	0.393	31	545	530	407
6	9	3	108	1,243	1,237	1,238	-	-	-	-	36	-	-	-	-	-	-	-	-	30	30	277	-	3	3	3	-	3	5	1	-	-	-	-	71	1,207	1,200	957	0.406	0.430	0.416	0.394	29	519	500	377
6	9	4	105	1,207	1,194	1,188	-	-	-	-	38	-	-	-	-	-	-	-	-	16	16	263	-	3	3	3	-	7	7	1	-	-	-	-	67	1,181	1,168	921	0.406	0.429	0.417	0.393	27	507	487	362
6	9	5	105	1,204	1,186	1,175	-	-	-	-	41	-	-	-	-	-	-	-	1	73	73	320	-	3	3	3	-	9	4	2	-	-	-	-	63	1,120	1,106	850	0.408	0.427	0.416	0.392	26	478	460	333
6	9	6	110	1,259	1,234	1,217	-	-	-	-	47	-	-	-	-	-	-	-	15	925	927	1,175	-	3	3	3	-	(2)	(1)	1	-	-	-	-	49	333	305	38	0.406	0.432	0.415	0.388	20	144	127	15
6	9	7	119	1,352	1,324	1,307	-	-	-	-	47	-	-	-	-	-	-	-	26	1,599	1,609	1,865	-	3	3	3	-	(3)	(3)	1	-	-	-	-	45	(247)	(284)	(561)	0.398	0.410	0.417	0.378	18	(101)	(119)	(212)
6	9	8	129	1,469	1,443	1,429	-	-	-	-	41	-	-	-	-	-	-	-	41	2,153	2,210	2,507	-	3	3	3	-	(3)	(5)	12	-	-	-	-	47	(684)	(764)	(1,093)	0.395	0.545	0.392	0.141	19	(373)	(300)	(154)
6	9	9	137	1,564	1,544	1,537	-	-	-	-	40	-	-	-	-	-	-	-	52	2,526	2,630	2,970	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	45	(960)	(1,082)	(1,421)	0.388	0.022	0.022	0.021	18	(21)	(24)	(30)
6	9	10	144	1,652	1,631	1,625	-	-	-	-	43	-	-	-	-	-	-	-	59	2,722	2,860	3,231	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	42	(1,068)	(1,227)	(1,595)	0.395	0.022	0.022	0.022	17	(24)	(27)	(35)
6	9	11	151	1,734	1,714	1,708	-	-	-	-	39	-	-	-	-	-	-	-	62	2,749	2,905	3,292	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	51	(1,004)	(1,182)	(1,573)	0.397	0.022	0.022	0.022	20	(22)	(26)	(35)
6	9	12	156	1,789	1,770	1,764	-	-	-	-	38	-	-	-	-	-	-	-	62	2,734	2,897	3,291	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	56	(935)	(1,114)	(1,515)	0.392	0.022	0.022	0.022	22	(21)	(25)	(34)
6	9	13	159	1,825	1,810	1,806	-	-	-	-	37	-	-	-	-	-	-	-	61	2,696	2,859	3,252	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	60	(860)	(1,045)	(1,433)	0.394	0.022	0.022	0.022	24	(19)	(23)	(32)
6	9	14	162	1,872	1,860	1,861	-	-	-	-	37	-	-	-	-	-	-	-	61	2,710	2,865	3,251	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	65	(831)	(998)	(1,382)	0.393	0.022	0.022	0.022	26	(19)	(22)	(30)
6	9	15	165	1,908	1,899	1,903	-	-	-	-	38	-	-	-	-	-	-	-	57	2,597	2,735	3,106	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	71	(678)	(830)	(1,195)	0.389	0.023	0.022	0.021	27	(16)	(18)	(25)
6	9	16	167	1,938	1,939	1,950	-	-	-	-	37	-	-	-	-	-	-	-	50	2,385	2,493	2,838	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	80	(445)	(556)	(884)	0.397	0.024	0.021	0.021	32	(11)	(12)	(19)
6	9	17	167	1,944	1,953	1,972	-	-	-	-	38	-	-	-	-	-	-	-	38	1,934	2,004	2,314	-	3	3	3	-	(3)	(7)	6	-	-	-	-	90	10	(46)	(350)	0.406	0.342	0.427	0.258	37	4	(20)	(90)
6	9	18	165	1,926	1,945	1,972	-	-	-	-	42	-	-	-	-	-	-	-	21	1,182	1,205	1,473	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	101	744	743	496	0.403	0.425	0.412	0.404	41	316	306	200
6	9	19	162	1,904	1,928	1,959	-	-	-	-	48	-	-	-	-	-	-	-	6	431	432	681	-	3	3	3	-	2	4	4	-	-	-	-	107	1,468	1,489	1,272	0.408	0.422	0.407	0.393	44	620	606	499
6	9	20	161	1,895	1,921	1,953	-	-	-	-	50	-	-	-	-	-	-	-	0	41	41	288	-	3	3	3	-	2	0	8	-	-	-	-	111	1,849	1,877	1,654	0.409	0.436	0.406	0.396	45	805	762	656
6	9	21	165	1,936	1,964	1,998	-	-	-	-	51	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	5	3	5	-	-	-	-	114	1,890	1,919	1,704	0.409	0.435	0.406	0.397	47	822	779	676
6	9	22	159	1,872	1,901	1,937	-	-	-	-	49	-	-	-	-	-	-	-	-	48	48	295	-	3	3	3	-	10	14	6	-	-	-	-	110	1,811	1,836	1,632	0.407	0.422	0.404	0.395	45	765	743	645
6	9	23	145	1,712	1,740	1,774	-	-	-	-	48	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	12	7	4	-	-	-	-	97	1,654	1,687	1,477	0.403	0.421	0.404	0.394	39	696	681	582
6	9	24	149	1,754	1,779	1,808	-	-	-	-	46	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	3	7	15	-	-	-	-	103	1,705	1,726	1,501	0.401	0.424	0.410	0.395	41	722	708	593
6	10	1	120	1,404	1,413	1,428	-	-	-	-	39	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	10	7	3	-	-	-	-	81	1,346	1,359	1,131	0.407	0.428	0.417	0.394	33	577	566	445
6	10	2	113	1,309	1,311	1,318	-	-	-	-	36	-	-	-	-	-	-	-	-	46	46	293	-	3	3	3	-	3	2	1	-	-	-	-	76	1,257	1,260	1,021	0.407	0.429	0.416	0.393	31	539	525	402
6	10	3	108	1,243	1,237	1,238	-	-	-	-	36	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	3	5	1	-	-	-	-	71	1,198	1,191	948	0.406	0.430	0.416	0.394	29	515	496	374
6	10	4	105	1,205	1,192	1,186	-	-	-	-	38	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	7	7	1	-	-	-	-	67	1,164	1,151	904	0.406	0.429	0.417	0.393	27	500	480	355
6	10	5	105	1,206	1,187	1,176	-	-	-	-	41	-	-	-	-	-	-	-	1	91	91	338	-	3	3	3	-	9	4	2	-	-	-	-	63	1,103	1,089	833	0.408	0.427	0.416	0.392	26	471	453	326
6	10	6	110	1,256	1,231	1,215	-	-	-	-	47	-	-	-	-	-	-	-	15	958	959	1,207	-	3	3	3	-	(2)	(1)	1	-	-	-	-	48	298	270	3	0.406	0.432	0.415	0.388	20	129	112	1
6	10	7	119	1,358	1,330	1,313	-	-	-	-	47	-	-	-	-	-	-	-	26	1,591	1,602	1,859	-	3	3	3	-	(3)	(3)	1	-	-	-	-	46	(233)	(272)	(549)	0.398	0.410	0.417	0.378	18	(96)	(113)	(207)
6	10	8	129	1,475	1,449	1,435	-	-	-	-	41	-	-	-	-	-	-	-	40	2,137	2,192	2,488	-	3	3	3	-	(3)	(5)	12	-	-	-	-	48	(662)	(741)	(1,067)	0.395	0.545	0.392	0.141	19	(361)	(291)	(151)
6	10	9	137	1,566	1,545	1,538	-	-	-	-	40	-	-	-	-	-	-	-	51	2,489	2,587	2,921	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	46	(922)	(1,038)	(1,371)	0.388	0.022	0.022	0.021	18	(20)	(23)	(29)
6	10	10	143	1,639	1,619	1,612	-	-	-	-	43	-	-	-	-	-	-	-	57	2,676	2,807	3,171	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	42	(1,035)	(1,186)	(1,548)	0.395	0.022	0.022	0.022	17	(23)	(26)	(34)
6	10	11	149	1,705	1,685	1,678	-	-	-	-	39	-	-	-	-	-	-	-	61	2,788	2,940	3,323	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	49	(1,072)	(1,247)	(1,634)	0.397	0.022	0.022	0.022	19	(24)	(28)	(36)
6	10	12	154	1,763	1,743	1,737	-	-	-	-	38	-	-	-	-	-	-	-	62	2,765	2,926	3,318	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	54	(993)	(1,170)	(1,570)	0.392	0.022	0.022	0.022	21	(22)	(26)	(35)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	10	13	157	1,803	1,787	1,783	-	-	-	-	37	-	-	-	-	-	-	-	62	2,749	2,912	3,304	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	58	(936)	(1,121)	(1,509)	0.394	0.022	0.022	0.022	23	(21)	(25)	(33)
6	10	14	161	1,858	1,846	1,846	-	-	-	-	37	-	-	-	-	-	-	-	61	2,737	2,892	3,278	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	64	(871)	(1,040)	(1,424)	0.393	0.022	0.022	0.022	25	(20)	(23)	(31)
6	10	15	164	1,896	1,887	1,890	-	-	-	-	38	-	-	-	-	-	-	-	56	2,595	2,733	3,105	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	70	(687)	(840)	(1,206)	0.389	0.023	0.022	0.021	27	(16)	(18)	(25)
6	10	16	167	1,942	1,942	1,954	-	-	-	-	37	-	-	-	-	-	-	-	51	2,463	2,575	2,922	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	79	(519)	(634)	(965)	0.397	0.024	0.021	0.021	32	(12)	(13)	(21)
6	10	17	169	1,964	1,974	1,994	-	-	-	-	38	-	-	-	-	-	-	-	40	2,079	2,152	2,464	-	3	3	3	-	(3)	(7)	6	-	-	-	-	90	(114)	(173)	(479)	0.406	0.342	0.427	0.258	37	(39)	(74)	(124)
6	10	18	167	1,954	1,973	2,001	-	-	-	-	42	-	-	-	-	-	-	-	24	1,428	1,454	1,724	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	100	526	522	274	0.403	0.425	0.412	0.404	40	223	215	111
6	10	19	163	1,913	1,938	1,970	-	-	-	-	48	-	-	-	-	-	-	-	8	569	570	819	-	3	3	3	-	2	4	4	-	-	-	-	107	1,340	1,361	1,143	0.408	0.422	0.407	0.393	44	566	554	449
6	10	20	159	1,872	1,897	1,928	-	-	-	-	50	-	-	-	-	-	-	-	0	99	99	346	-	3	3	3	-	2	0	8	-	-	-	-	109	1,767	1,794	1,571	0.409	0.436	0.406	0.396	45	769	728	623
6	10	21	162	1,903	1,930	1,963	-	-	-	-	51	-	-	-	-	-	-	-	-	95	95	342	-	3	3	3	-	5	3	5	-	-	-	-	111	1,800	1,829	1,613	0.409	0.435	0.406	0.397	46	783	742	640
6	10	22	157	1,845	1,874	1,909	-	-	-	-	49	-	-	-	-	-	-	-	-	78	78	325	-	3	3	3	-	10	14	6	-	-	-	-	107	1,755	1,780	1,575	0.407	0.422	0.404	0.395	44	741	720	622
6	10	23	145	1,711	1,739	1,773	-	-	-	-	48	-	-	-	-	-	-	-	-	62	62	309	-	3	3	3	-	12	7	4	-	-	-	-	97	1,635	1,668	1,457	0.403	0.421	0.404	0.394	39	688	673	574
6	10	24	148	1,743	1,767	1,797	-	-	-	-	46	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	3	7	15	-	-	-	-	102	1,682	1,703	1,478	0.401	0.424	0.410	0.395	41	713	699	584
6	11	1	121	1,412	1,422	1,437	-	-	-	-	39	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	10	7	3	-	-	-	-	82	1,354	1,368	1,140	0.407	0.428	0.417	0.394	33	580	570	449
6	11	2	113	1,310	1,312	1,319	-	-	-	-	36	-	-	-	-	-	-	-	-	38	38	285	-	3	3	3	-	3	2	1	-	-	-	-	76	1,267	1,270	1,031	0.407	0.429	0.416	0.393	31	543	529	405
6	11	3	107	1,238	1,232	1,233	-	-	-	-	36	-	-	-	-	-	-	-	-	29	29	276	-	3	3	3	-	3	5	1	-	-	-	-	71	1,203	1,196	953	0.406	0.430	0.416	0.394	29	517	498	376
6	11	4	104	1,193	1,180	1,173	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	7	7	1	-	-	-	-	66	1,149	1,136	889	0.406	0.429	0.417	0.393	27	493	473	349
6	11	5	103	1,176	1,157	1,145	-	-	-	-	41	-	-	-	-	-	-	-	0	57	57	304	-	3	3	3	-	9	4	2	-	-	-	-	61	1,108	1,093	837	0.408	0.427	0.416	0.392	25	473	455	328
6	11	6	104	1,180	1,153	1,135	-	-	-	-	47	-	-	-	-	-	-	-	5	355	356	605	-	3	3	3	-	(2)	(1)	1	-	-	-	-	51	825	795	527	0.406	0.432	0.415	0.388	21	356	330	204
6	11	7	106	1,206	1,176	1,155	-	-	-	-	47	-	-	-	-	-	-	-	16	938	946	1,201	-	3	3	3	-	(3)	(3)	1	-	-	-	-	44	269	229	(50)	0.398	0.410	0.417	0.378	17	110	96	(19)
6	11	8	112	1,273	1,243	1,224	-	-	-	-	41	-	-	-	-	-	-	-	36	1,872	1,925	2,219	-	3	3	3	-	(3)	(5)	12	-	-	-	-	36	(598)	(680)	(1,010)	0.395	0.545	0.392	0.141	14	(326)	(267)	(143)
6	11	9	121	1,377	1,352	1,340	-	-	-	-	40	-	-	-	-	-	-	-	50	2,426	2,528	2,866	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	31	(1,048)	(1,172)	(1,513)	0.388	0.022	0.022	0.021	12	(23)	(26)	(32)
6	11	10	129	1,468	1,443	1,433	-	-	-	-	43	-	-	-	-	-	-	-	57	2,643	2,779	3,148	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	28	(1,173)	(1,333)	(1,705)	0.395	0.022	0.022	0.022	11	(26)	(29)	(38)
6	11	11	134	1,530	1,506	1,494	-	-	-	-	39	-	-	-	-	-	-	-	59	2,616	2,774	3,162	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	36	(1,075)	(1,260)	(1,657)	0.397	0.022	0.022	0.022	14	(24)	(28)	(37)
6	11	12	136	1,551	1,528	1,516	-	-	-	-	38	-	-	-	-	-	-	-	61	2,646	2,815	3,212	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	37	(1,085)	(1,274)	(1,685)	0.392	0.022	0.022	0.022	15	(24)	(28)	(37)
6	11	13	136	1,563	1,541	1,531	-	-	-	-	37	-	-	-	-	-	-	-	61	2,665	2,836	3,236	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	38	(1,093)	(1,291)	(1,692)	0.394	0.022	0.022	0.022	15	(24)	(29)	(37)
6	11	14	136	1,560	1,541	1,533	-	-	-	-	37	-	-	-	-	-	-	-	61	2,699	2,861	3,253	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	39	(1,132)	(1,314)	(1,712)	0.393	0.022	0.022	0.022	15	(25)	(29)	(38)
6	11	15	134	1,540	1,523	1,517	-	-	-	-	38	-	-	-	-	-	-	-	55	2,472	2,617	2,994	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	41	(920)	(1,088)	(1,469)	0.389	0.023	0.022	0.021	16	(21)	(24)	(30)
6	11	16	133	1,530	1,521	1,522	-	-	-	-	37	-	-	-	-	-	-	-	50	2,332	2,451	2,805	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	46	(801)	(932)	(1,280)	0.397	0.024	0.021	0.021	18	(19)	(20)	(27)
6	11	17	132	1,526	1,526	1,534	-	-	-	-	38	-	-	-	-	-	-	-	39	1,931	2,010	2,327	-	3	3	3	-	(3)	(7)	6	-	-	-	-	55	(405)	(480)	(801)	0.406	0.342	0.427	0.258	22	(139)	(205)	(207)
6	11	18	132	1,538	1,548	1,565	-	-	-	-	42	-	-	-	-	-	-	-	21	1,234	1,261	1,532	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	68	304	290	30	0.403	0.425	0.412	0.404	27	129	119	12
6	11	19	133	1,555	1,571	1,594	-	-	-	-	48	-	-	-	-	-	-	-	6	459	460	709	-	3	3	3	-	2	4	4	-	-	-	-	78	1,091	1,104	878	0.408	0.422	0.407	0.393	32	461	449	345
6	11	20	136	1,590	1,608	1,633	-	-	-	-	50	-	-	-	-	-	-	-	0	95	95	342	-	3	3	3	-	2	0	8	-	-	-	-	85	1,490	1,511	1,280	0.409	0.436	0.406	0.396	35	649	613	507
6	11	21	142	1,664	1,685	1,712	-	-	-	-	51	-	-	-	-	-	-	-	-	92	92	339	-	3	3	3	-	5	3	5	-	-	-	-	91	1,564	1,587	1,365	0.409	0.435	0.406	0.397	37	680	644	542
6	11	22	138	1,627	1,651	1,680	-	-	-	-	49	-	-	-	-	-	-	-	-	68	68	315	-	3	3	3	-	10	14	6	-	-	-	-	89	1,546	1,566	1,356	0.407	0.422	0.404	0.395	36	653	633	536
6	11	23	131	1,542	1,567	1,596	-	-	-	-	48	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	12	7	4	-	-	-	-	83	1,481	1,510	1,295	0.403	0.421	0.404	0.394	33	623	609	510
6	11	24	132	1,553	1,573	1,598	-	-	-	-	46	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	3	7	15	-	-	-	-	86	1,508	1,524	1,294	0.401	0.424	0.410	0.395	35	639	625	512
6	12	1	112	1,310	1,318	1,331	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	3	3	3	-	10	7	3	-	-	-	-	73	1,261	1,272	1,042	0.407	0.428	0.417	0.394	30	540	530	410
6	12	2	106	1,226	1,225	1,230	-	-	-	-	36	-	-	-	-	-	-	-	-	26	26	273	-	3	3	3	-	3	2	1	-	-	-	-	69	1,194	1,195	954	0.407	0.429	0.416	0.393	28	512	497	375
6	12	3	101	1,168	1,160	1,159	-	-	-	-	36	-	-	-	-	-	-	-	-	16	16	263	-	3	3	3	-	3	5	1	-	-	-	-	65	1,146	1,136	892	0.406	0.430	0.416	0.394	26	492	473	352
6	12	4	98	1,121	1,106	1,098	-	-	-	-	38	-	-	-	-	-	-	-	-	10	10	257	-	3	3	3	-	7	7	1	-	-	-	-	60	1,101	1,086	837	0.406	0.429	0.417	0.393	24	473	453	329
6	12	5	97	1,101	1,080	1,066	-	-	-	-	41	-	-	-	-	-	-	-	1	66	66	313	-	3	3	3	-	9	4	2	-	-	-	-	54	1,023	1,006	748	0.408	0.427	0.416	0.392	22	437	419	293
6	12	6	97	1,095	1,066	1,046	-	-	-	-	47	-	-	-	-	-	-	-	15	913	914	1,163	-	3	3	3	-	(2)	(1)	1	-	-	-	-	35	182	150	(121)	0.406	0.432	0.415	0.388	14	78	63	(47)
6	12	7	97	1,098	1,064	1,041	-	-	-	-	47	-	-	-	-	-	-	-	26	1,590	1,599	1,854	-	3	3	3	-	(3)	(3)	1	-	-	-	-	24	(492)	(535)	(817)	0.398	0.410	0.417	0.378	10	(202)	(223)	(308)
6	12	8	101	1,144	1,110	1,089	-	-	-	-	41	-	-	-	-	-	-	-	41	2,147	2,203	2,500	-	3	3	3	-	(3)	(5)	12	-	-	-	-	20	(1,002)	(1,090)	(1,426)	0.395	0.545	0.392	0.141	8	(547)	(428)	(202)
6	12	9	108	1,229	1,200	1,185	-	-	-	-	40	-	-	-	-	-	-	-	51	2,486	2,588	2,927	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	18	(1,256)	(1,384)	(1,730)	0.388	0.022	0.022	0.021	7	(28)	(31)	(36)
6	12	10	115	1,307	1,278	1,263	-	-	-	-	43	-	-	-	-	-	-	-	58	2,682	2,820	3,190	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	13	(1,374)	(1,540)	(1,917)	0.395	0.022	0.022	0.022	5	(30)	(34)	(42)
6	12	11	120	1,366	1,338	1,323	-	-	-	-	39	-	-	-	-	-	-	-	62	2,783	2,942	3,332	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	19	(1,405)	(1,596)	(1,998)	0.397	0.022	0.022	0.022	8	(31)	(35)	(44)
6	12	12	123	1,395	1,367	1,351	-	-	-	-	38	-	-	-	-	-	-	-	63	2,758	2,928	3,327	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	22	(1,353)	(1,548)	(1,964)	0.392	0.022	0.022	0.022	8	(30)	(34)	(43)
6	12	13	123	1,405	1,380	1,366	-	-	-	-	37	-	-	-	-	-	-	-	62	2,693	2,864	3,263	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	24	(1,278)	(1,480)	(1,885)	0.394	0.022	0.022	0.022	9	(28)	(33)	(42)
6	12	14	123	1,409	1,387	1,375	-	-	-	-	37	-	-	-	-	-	-	-	62	2,722	2,886	3,280	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	25	(1,305)	(1,493)	(1,897)	0.393	0.022	0.022	0.022	10	(29)	(33)	(42)
6	12	15	124	1,419	1,400	1,391	-	-	-	-	38	-	-	-	-	-	-	-	59	2,646	2,793	3,172	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	28	(1,214)	(1,387)	(1,773)	0.389	0.023	0.022	0.021	11	(28)	(30)	(37)
6	12	16	125	1,441	1,429	1,428	-	-	-	-	37	-	-	-	-	-	-	-	52	2,436	2,555	2,908	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	36	(994)	(1,127)	(1,477)	0.397	0.024	0.021	0.021	14	(23)	(24)	(32)
6	12	17	127	1,470	1,469	1,475	-	-	-	-	38	-	-	-	-	-	-	-	41	2,053	2,131	2,448	-	3	3	3	-	(3)	(7)	6	-	-	-	-	47	(583)	(658)	(981)	0.406	0.342	0.427	0.258	19	(199)	(281)	(253)
6	12	18	130	1,513	1,522	1,539	-	-	-	-	42	-	-	-	-	-	-	-	24	1,329	1,357	1,629	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	64	184	169	(92)	0.403	0.425	0.412	0.404	26	78	69	(37)
6	12	19	132	1,547	1,563	1,585	-	-	-	-	48	-	-	-	-	-	-	-	7	495	497	745	-	3	3	3	-	2	4	4	-	-	-	-	76	1,047	1,060	833	0.408	0.422	0.407	0.393	31	442	431	327
6	12	20	135	1,580	1,599	1,623	-	-	-	-	50	-	-	-	-	-	-	-	0	44	44	291	-	3	3	3	-	2	0	8	-	-	-	-	84	1,531	1,551	1,321	0.409	0.436	0.406	0.396	35	667	630	523
6	12	21	143	1,680	1,702	1,729	-	-	-	-	51	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	5	3	5	-	-	-	-	92	1,629	1,652	1,431	0.409	0.435	0.406	0.397	38	708	671	568
6	12	22	141	1,660	1,685	1,715	-	-	-	-	49	-	-	-	-	-	-	-	-	36	36	283	-	3	3	3	-	10	14	6	-	-	-	-	92	1,612	1,632	1,423	0.407	0.422	0.404	0.395	37	681	660	562
6	12	23	131	1,543	1,568	1,597	-	-	-	-	48	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	12	7	4	-	-	-	-	83	1,495	1,525	1,310	0.403	0.421	0.404	0.394	34	629	615	516
6	12	24	123	1,440	1,457	1,479	-	-	-	-	46	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	3	7	15	-	-	-	-	77	1,403	1,416	1,183	0.401	0.424	0.410	0.395	31	594	581	468
6	13	1	109	1,275	1,281	1,293	-	-	-	-	39	-	-	-	-	-	-	-	-	26	26	273	-	3	3	3	-	10	7	3	-	-	-	-	70	1,236	1,246	1,015	0.407	0.428	0.417	0.394	29	530	519	400
6	13	2	102	1,189	1,188	1,192	-	-	-	-	36	-	-	-	-	-	-	-	-	18	18	265	-	3	3	3	-	3	2	1	-	-	-	-	66	1,164	1,164	922	0.407	0.429	0.416	0.393	27	499	485	363
6	13	3	98	1,133	1,125	1,123	-	-	-	-	36	-	-	-	-	-	-	-	-	11	11	258	-	3	3	3	-	3	5	1	-	-	-	-	62	1,117	1,107	861	0.406	0.430	0.416	0.394	25	480	461	340
6	13	4	97	1,110	1,094	1,086	-	-	-	-	38	-	-	-	-	-	-	-	-	3	3	250	-	3	3	3	-	7	7	1	-	-	-	-	59	1,096	1,081	831	0.406	0.429	0.417	0.393	24	470	450	327
6	13	5	98	1,119	1,098	1,085	-	-	-	-	41	-	-	-	-	-	-	-	1	57	57	304	-	3	3	3	-	9	4	2	-	-	-	-	56	1,050	1,034	776	0.408	0.427	0.416	0.392	23	449	430	304
6	13	6	104	1,176	1,150	1,131	-	-	-	-	47	-	-	-	-	-	-	-	14	857	859	1,108	-	3	3	3	-	(2)	(1)	1	-	-	-	-	43	318	289	20	0.406	0.432	0.415	0.388	17	137	120	8
6	13	7	112	1,269	1,239	1,220	-	-	-	-	47	-	-	-	-	-	-	-	25	1,533	1,542	1,797	-	3	3	3	-	(3)	(3)	1	-	-	-	-	39	(264)	(303)	(580)	0.398	0.410	0.417	0.378	16	(109)	(126)	(219)
6	13	8	123	1,395	1,368	1,352	-	-	-	-	41	-	-	-	-	-	-	-	39	2,071	2,127	2,423	-	3	3	3	-	(3)	(5)	12	-	-	-	-	42	(676)	(757)	(1,086)	0.395	0.545	0.392	0.141	17	(369)	(297)	(153)
6	13	9	131	1,492	1,470	1,461	-	-	-	-	40	-	-	-	-	-	-	-	50	2,424	2,526	2,864	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	41	(931)	(1,053)	(1,391)	0.388	0.022	0.022	0.021	16	(21)	(23)	(29)
6	13	10	137	1,571	1,549	1,541	-	-	-	-	43	-	-	-	-	-	-	-	57	2,627	2,763	3,132	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	37	(1,055)	(1,212)	(1,581)	0.395	0.022	0.022	0.022	14	(23)	(27)	(35)
6	13	11	143	1,640	1,619	1,610	-	-	-	-	39	-	-	-	-	-	-	-	61	2,694	2,850	3,236	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	44	(1,042)	(1,223)	(1,615)	0.397	0.022	0.022	0.022	17	(23)	(27)	(36)
6	13	12	146	1,674	1,653	1,644	-	-	-	-	38	-	-	-	-	-	-	-	61	2,673	2,839	3,235	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	47	(989)	(1,173)	(1,580)	0.392	0.022	0.022	0.022	18	(22)	(26)	(35)
6	13	13	147	1,688	1,669	1,663	-	-	-	-	37	-	-	-	-	-	-	-	61	2,663	2,830	3,227	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	48	(965)	(1,157)	(1,552)	0.394	0.022	0.022	0.022	19	(21)	(26)	(34)
6	13	14	149	1,713	1,698	1,694	-	-	-	-	37	-	-	-	-	-	-	-	61	2,660	2,821	3,212	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	52	(940)	(1,117)	(1,510)	0.393	0.022	0.022	0.022	20	(21)	(25)	(33)
6	13	15	150	1,733	1,721	1,720	-	-	-	-	38	-	-	-	-	-	-	-	58	2,583	2,727	3,104	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	55	(838)	(1,000)	(1,376)	0.389	0.023	0.022	0.021	21	(19)	(22)	(29)
6	13	16	151	1,746	1,742	1,748	-	-	-	-	37	-	-	-	-	-	-	-	51	2,366	2,483	2,834	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	63	(619)	(742)	(1,082)	0.397	0.024	0.021	0.021	25	(15)	(16)	(23)
6	13	17	150	1,742	1,747	1,761	-	-	-	-	38	-	-	-	-	-	-	-	40	1,951	2,027	2,343	-	3	3	3	-	(3)	(7)	6	-	-	-	-	72	(209)	(276)	(591)	0.406	0.342	0.427	0.258	29	(72)	(118)	(153)
6	13	18	148	1,731	1,745	1,768	-	-	-	-	42	-	-	-	-	-	-	-	23	1,251	1,278	1,549	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	83	479	470	216	0.403	0.425	0.412	0.404	33	204	194	87
6	13	19	148	1,731	1,752	1,779	-	-	-	-	48	-	-	-	-	-	-	-	7	467	468	717	-	3	3	3	-	2	4	4	-	-	-	-	92	1,259	1,277	1,055	0.408	0.422	0.407	0.393	38	532	520	414
6	13	20	149	1,751	1,774	1,803	-	-	-	-	50	-	-	-	-	-	-	-	0	37	37	284	-	3	3	3	-	2	0	8	-	-	-	-	99	1,709	1,733	1,508	0.409	0.436	0.406	0.396	40	744	704	597
6	13	21	155	1,821	1,846	1,877	-	-	-	-	51	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	5	3	5	-	-	-	-	104	1,768	1,795	1,577	0.409	0.435	0.406	0.397	43	768	728	626
6	13	22	150	1,768	1,796	1,828	-	-	-	-	49	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	10	14	6	-	-	-	-	101	1,700	1,723	1,517	0.407	0.422	0.404	0.395	41	718	697	599
6	13	23	137	1,618	1,644	1,675	-	-	-	-	48	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	12	7	4	-	-	-	-	89	1,544	1,576	1,362	0.403	0.421	0.404	0.394	36	650	636	537
6	13	24	139	1,630	1,652	1,678	-	-	-	-	46	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	3	7	15	-	-	-	-	93	1,579	1,597	1,369	0.401	0.424	0.410	0.395	37	669	655	541
6	14	1	114	1,327	1,335	1,348	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	3	3	3	-	10	7	3	-	-	-	-	75	1,278	1,290	1,060	0.407	0.428	0.417	0.394	30	548	537	417
6	14	2	107	1,244	1,244	1,250	-	-	-	-	36	-	-	-	-	-	-	-	-	29	29	276	-	3	3	3	-	3	2	1	-	-	-	-	71	1,209	1,210	969	0.407	0.429	0.416	0.393	29	518	504	381
6	14	3	103	1,189	1,182	1,182	-	-	-	-	36	-	-	-	-	-	-	-	-	23	23	270	-	3	3	3	-	3	5	1	-	-	-	-	67	1,160	1,152	908	0.406	0.430	0.416	0.394	27	499	480	358
6	14	4	101	1,159	1,144	1,137	-	-	-	-	38	-	-	-	-	-	-	-	-	14	14	261	-	3	3	3	-	7	7	1	-	-	-	-	63	1,134	1,120	872	0.406	0.429	0.417	0.393	26	487	467	343
6	14	5	102	1,162	1,142	1,130	-	-	-	-	41	-	-	-	-	-	-	-	1	67	67	314	-	3	3	3	-	9	4	2	-	-	-	-	59	1,083	1,068	811	0.408	0.427	0.416	0.392	24	463	445	318
6	14	6	107	1,216	1,190	1,173	-	-	-	-	47	-	-	-	-	-	-	-	14	883	884	1,133	-	3	3	3	-	(2)	(1)	1	-	-	-	-	46	332	304	36	0.406	0.432	0.415	0.388	19	143	126	14
6	14	7	115	1,313	1,285	1,267	-	-	-	-	47	-	-	-	-	-	-	-	26	1,554	1,562	1,817	-	3	3	3	-	(3)	(3)	1	-	-	-	-	43	(241)	(277)	(553)	0.398	0.410	0.417	0.378	17	(99)	(116)	(209)
6	14	8	126	1,433	1,407	1,393	-	-	-	-	41	-	-	-	-	-	-	-	39	2,091	2,145	2,441	-	3	3	3	-	(3)	(5)	12	-	-	-	-	46	(657)	(736)	(1,063)	0.395	0.545	0.392	0.141	18	(358)	(289)	(150)
6	14	9	133	1,522	1,500	1,493	-	-	-	-	40	-	-	-	-	-	-	-	50	2,429	2,530	2,867	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	43	(906)	(1,025)	(1,362)	0.388	0.022	0.022	0.021	17	(20)	(23)	(29)
6	14	10	139	1,595	1,574	1,566	-	-	-	-	43	-	-	-	-	-	-	-	57	2,594	2,728	3,095	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	39	(998)	(1,153)	(1,519)	0.395	0.022	0.022	0.022	16	(22)	(25)	(34)
6	14	11	144	1,652	1,631	1,623	-	-	-	-	39	-	-	-	-	-	-	-	60	2,648	2,802	3,186	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	46	(985)	(1,162)	(1,552)	0.397	0.022	0.022	0.022	18	(22)	(26)	(34)
6	14	12	146	1,679	1,658	1,649	-	-	-	-	38	-	-	-	-	-	-	-	61	2,655	2,819	3,213	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	48	(967)	(1,148)	(1,552)	0.392	0.022	0.022	0.022	19	(21)	(25)	(34)
6	14	13	147	1,689	1,671	1,664	-	-	-	-	37	-	-	-	-	-	-	-	61	2,623	2,788	3,184	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	49	(924)	(1,114)	(1,508)	0.394	0.022	0.022	0.022	19	(20)	(25)	(33)
6	14	14	149	1,709	1,694	1,691	-	-	-	-	37	-	-	-	-	-	-	-	60	2,621	2,781	3,172	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	52	(905)	(1,081)	(1,473)	0.393	0.022	0.022	0.022	20	(20)	(24)	(32)
6	14	15	150	1,724	1,712	1,711	-	-	-	-	38	-	-	-	-	-	-	-	57	2,542	2,687	3,063	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	55	(806)	(968)	(1,344)	0.389	0.023	0.022	0.021	22	(19)	(21)	(28)
6	14	16	151	1,744	1,741	1,747	-	-	-	-	37	-	-	-	-	-	-	-	50	2,352	2,469	2,821	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	63	(606)	(730)	(1,070)	0.397	0.024	0.021	0.021	25	(14)	(15)	(23)
6	14	17	151	1,754	1,759	1,773	-	-	-	-	38	-	-	-	-	-	-	-	40	1,971	2,047	2,363	-	3	3	3	-	(3)	(7)	6	-	-	-	-	73	(217)	(284)	(598)	0.406	0.342	0.427	0.258	30	(74)	(121)	(154)
6	14	18	150	1,754	1,769	1,791	-	-	-	-	42	-	-	-	-	-	-	-	24	1,325	1,353	1,625	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	84	428	419	165	0.403	0.425	0.412	0.404	34	182	172	67
6	14	19	149	1,747	1,768	1,795	-	-	-	-	48	-	-	-	-	-	-	-	7	518	519	767	-	3	3	3	-	2	4	4	-	-	-	-	93	1,224	1,242	1,021	0.408	0.422	0.407	0.393	38	517	505	401
6	14	20	150	1,757	1,780	1,809	-	-	-	-	50	-	-	-	-	-	-	-	0	58	58	305	-	3	3	3	-	2	0	8	-	-	-	-	99	1,694	1,719	1,493	0.409	0.436	0.406	0.396	41	738	698	592
6	14	21	156	1,832	1,857	1,889	-	-	-	-	51	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	5	3	5	-	-	-	-	105	1,766	1,794	1,576	0.409	0.435	0.406	0.397	43	768	728	625
6	14	22	152	1,785	1,813	1,846	-	-	-	-	49	-	-	-	-	-	-	-	-	51	51	298	-	3	3	3	-	10	14	6	-	-	-	-	102	1,721	1,744	1,539	0.407	0.422	0.404	0.395	42	727	705	608
6	14	23	139	1,634	1,661	1,693	-	-	-	-	48	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	12	7	4	-	-	-	-	91	1,577	1,608	1,396	0.403	0.421	0.404	0.394	37	663	649	550

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	14	24	140	1,642	1,664	1,691	-	-	-	-	46	-	-	-	-	-	-	-	-	41	41	288	-	3	3	3	-	3	7	15	-	-	-	-	94	1,595	1,614	1,386	0.401	0.424	0.410	0.395	38	676	662	548
6	15	1	115	1,349	1,358	1,371	-	-	-	-	39	-	-	-	-	-	-	-	-	44	44	291	-	3	3	3	-	10	7	3	-	-	-	-	77	1,292	1,304	1,075	0.407	0.428	0.417	0.394	31	554	543	423
6	15	2	109	1,260	1,261	1,267	-	-	-	-	36	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	3	2	1	-	-	-	-	72	1,214	1,216	976	0.407	0.429	0.416	0.393	29	521	506	384
6	15	3	104	1,199	1,192	1,192	-	-	-	-	36	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	3	5	1	-	-	-	-	67	1,159	1,150	907	0.406	0.430	0.416	0.394	27	498	479	358
6	15	4	102	1,167	1,153	1,146	-	-	-	-	38	-	-	-	-	-	-	-	-	32	32	279	-	3	3	3	-	7	7	1	-	-	-	-	64	1,125	1,111	863	0.406	0.429	0.417	0.393	26	483	463	339
6	15	5	102	1,169	1,150	1,138	-	-	-	-	41	-	-	-	-	-	-	-	1	87	87	334	-	3	3	3	-	9	4	2	-	-	-	-	60	1,070	1,055	799	0.408	0.427	0.416	0.392	24	457	439	313
6	15	6	108	1,230	1,205	1,188	-	-	-	-	47	-	-	-	-	-	-	-	14	878	880	1,128	-	3	3	3	-	(2)	(1)	1	-	-	-	-	47	352	323	56	0.406	0.432	0.415	0.388	19	152	134	22
6	15	7	117	1,332	1,304	1,287	-	-	-	-	47	-	-	-	-	-	-	-	25	1,509	1,518	1,772	-	3	3	3	-	(3)	(3)	1	-	-	-	-	45	(177)	(213)	(489)	0.398	0.410	0.417	0.378	18	(73)	(89)	(185)
6	15	8	127	1,451	1,425	1,412	-	-	-	-	41	-	-	-	-	-	-	-	39	2,074	2,127	2,422	-	3	3	3	-	(3)	(5)	12	-	-	-	-	48	(622)	(699)	(1,025)	0.395	0.545	0.392	0.141	19	(339)	(274)	(145)
6	15	9	135	1,545	1,524	1,517	-	-	-	-	40	-	-	-	-	-	-	-	49	2,387	2,486	2,823	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	46	(841)	(959)	(1,294)	0.388	0.022	0.022	0.021	18	(19)	(21)	(27)
6	15	10	141	1,610	1,590	1,583	-	-	-	-	43	-	-	-	-	-	-	-	56	2,582	2,715	3,082	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	41	(970)	(1,124)	(1,489)	0.395	0.022	0.022	0.022	16	(21)	(25)	(33)
6	15	11	145	1,658	1,637	1,629	-	-	-	-	39	-	-	-	-	-	-	-	59	2,649	2,802	3,187	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	47	(979)	(1,157)	(1,547)	0.397	0.022	0.022	0.022	19	(22)	(26)	(34)
6	15	12	147	1,683	1,663	1,654	-	-	-	-	38	-	-	-	-	-	-	-	60	2,652	2,816	3,210	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	49	(958)	(1,140)	(1,544)	0.392	0.022	0.022	0.022	19	(21)	(25)	(34)
6	15	13	147	1,694	1,675	1,669	-	-	-	-	37	-	-	-	-	-	-	-	59	2,587	2,752	3,147	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	51	(883)	(1,073)	(1,466)	0.394	0.022	0.022	0.022	20	(20)	(24)	(32)
6	15	14	149	1,709	1,694	1,691	-	-	-	-	37	-	-	-	-	-	-	-	59	2,627	2,786	3,175	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	53	(910)	(1,085)	(1,477)	0.393	0.022	0.022	0.022	21	(20)	(24)	(32)
6	15	15	150	1,724	1,712	1,711	-	-	-	-	38	-	-	-	-	-	-	-	55	2,497	2,639	3,014	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	57	(760)	(921)	(1,295)	0.389	0.023	0.022	0.021	22	(17)	(20)	(27)
6	15	16	150	1,737	1,733	1,740	-	-	-	-	37	-	-	-	-	-	-	-	45	2,119	2,234	2,584	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	67	(381)	(502)	(840)	0.397	0.024	0.021	0.021	27	(9)	(11)	(18)
6	15	17	150	1,739	1,744	1,758	-	-	-	-	38	-	-	-	-	-	-	-	33	1,641	1,714	2,027	-	3	3	3	-	(3)	(7)	6	-	-	-	-	78	98	34	(277)	0.406	0.342	0.427	0.258	32	34	15	(72)
6	15	18	148	1,736	1,750	1,772	-	-	-	-	42	-	-	-	-	-	-	-	16	929	955	1,224	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	90	806	799	546	0.403	0.425	0.412	0.404	36	343	329	221
6	15	19	147	1,727	1,748	1,775	-	-	-	-	48	-	-	-	-	-	-	-	4	316	318	566	-	3	3	3	-	2	4	4	-	-	-	-	95	1,406	1,423	1,201	0.408	0.422	0.407	0.393	39	594	579	472
6	15	20	148	1,735	1,756	1,785	-	-	-	-	50	-	-	-	-	-	-	-	0	97	97	344	-	3	3	3	-	2	0	8	-	-	-	-	97	1,632	1,656	1,430	0.409	0.436	0.406	0.396	40	711	672	567
6	15	21	154	1,810	1,835	1,866	-	-	-	-	51	-	-	-	-	-	-	-	-	91	91	338	-	3	3	3	-	5	3	5	-	-	-	-	103	1,711	1,738	1,520	0.409	0.435	0.406	0.397	42	744	705	603
6	15	22	150	1,769	1,797	1,829	-	-	-	-	49	-	-	-	-	-	-	-	-	80	80	327	-	3	3	3	-	10	14	6	-	-	-	-	101	1,677	1,699	1,493	0.407	0.422	0.404	0.395	41	708	687	590
6	15	23	138	1,632	1,659	1,690	-	-	-	-	48	-	-	-	-	-	-	-	-	75	75	322	-	3	3	3	-	12	7	4	-	-	-	-	91	1,542	1,574	1,361	0.403	0.421	0.404	0.394	37	649	635	536
6	15	24	139	1,638	1,660	1,687	-	-	-	-	46	-	-	-	-	-	-	-	-	75	75	322	-	3	3	3	-	3	7	15	-	-	-	-	93	1,557	1,576	1,348	0.401	0.424	0.410	0.395	37	660	647	533
6	16	1	115	1,338	1,346	1,360	-	-	-	-	39	-	-	-	-	-	-	-	-	69	69	316	-	3	3	3	-	10	7	3	-	-	-	-	76	1,256	1,268	1,038	0.407	0.428	0.417	0.394	31	538	528	409
6	16	2	108	1,248	1,249	1,255	-	-	-	-	36	-	-	-	-	-	-	-	-	65	65	312	-	3	3	3	-	3	2	1	-	-	-	-	71	1,178	1,179	939	0.407	0.429	0.416	0.393	29	505	491	369
6	16	3	103	1,189	1,182	1,182	-	-	-	-	36	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	3	5	1	-	-	-	-	67	1,125	1,116	873	0.406	0.430	0.416	0.394	27	484	465	344
6	16	4	101	1,157	1,143	1,136	-	-	-	-	38	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	7	7	1	-	-	-	-	63	1,092	1,078	830	0.406	0.429	0.417	0.393	26	469	449	326
6	16	5	101	1,157	1,137	1,125	-	-	-	-	41	-	-	-	-	-	-	-	1	111	111	358	-	3	3	3	-	9	4	2	-	-	-	-	59	1,034	1,019	762	0.408	0.427	0.416	0.392	24	442	424	298
6	16	6	106	1,206	1,180	1,162	-	-	-	-	47	-	-	-	-	-	-	-	13	885	887	1,135	-	3	3	3	-	(2)	(1)	1	-	-	-	-	46	320	291	23	0.406	0.432	0.415	0.388	19	138	121	9
6	16	7	114	1,291	1,262	1,244	-	-	-	-	47	-	-	-	-	-	-	-	25	1,570	1,578	1,832	-	3	3	3	-	(3)	(3)	1	-	-	-	-	41	(278)	(316)	(592)	0.398	0.410	0.417	0.378	16	(114)	(132)	(224)
6	16	8	123	1,399	1,372	1,357	-	-	-	-	41	-	-	-	-	-	-	-	39	2,123	2,177	2,471	-	3	3	3	-	(3)	(5)	12	-	-	-	-	43	(723)	(802)	(1,129)	0.395	0.545	0.392	0.141	17	(394)	(315)	(160)
6	16	9	131	1,499	1,477	1,468	-	-	-	-	40	-	-	-	-	-	-	-	49	2,481	2,580	2,916	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	42	(981)	(1,100)	(1,435)	0.388	0.022	0.022	0.021	16	(22)	(24)	(30)
6	16	10	138	1,580	1,558	1,550	-	-	-	-	43	-	-	-	-	-	-	-	57	2,717	2,850	3,215	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	38	(1,135)	(1,289)	(1,655)	0.395	0.022	0.022	0.022	15	(25)	(29)	(37)
6	16	11	145	1,658	1,636	1,628	-	-	-	-	39	-	-	-	-	-	-	-	61	2,824	2,980	3,367	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	45	(1,155)	(1,335)	(1,728)	0.397	0.022	0.022	0.022	18	(26)	(30)	(38)
6	16	12	150	1,717	1,697	1,690	-	-	-	-	38	-	-	-	-	-	-	-	62	2,834	3,002	3,399	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	50	(1,106)	(1,291)	(1,698)	0.392	0.022	0.022	0.022	19	(24)	(29)	(38)
6	16	13	152	1,743	1,726	1,720	-	-	-	-	37	-	-	-	-	-	-	-	62	2,792	2,961	3,360	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	53	(1,039)	(1,231)	(1,627)	0.394	0.022	0.022	0.022	21	(23)	(27)	(36)
6	16	14	155	1,781	1,767	1,765	-	-	-	-	37	-	-	-	-	-	-	-	61	2,785	2,949	3,343	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	57	(997)	(1,176)	(1,570)	0.393	0.022	0.022	0.022	22	(22)	(26)	(34)
6	16	15	157	1,811	1,801	1,802	-	-	-	-	38	-	-	-	-	-	-	-	58	2,689	2,836	3,215	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	62	(866)	(1,029)	(1,405)	0.389	0.023	0.022	0.021	24	(20)	(22)	(29)
6	16	16	159	1,837	1,835	1,844	-	-	-	-	37	-	-	-	-	-	-	-	51	2,474	2,594	2,948	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	70	(636)	(760)	(1,100)	0.397	0.024	0.021	0.021	28	(15)	(16)	(24)
6	16	17	159	1,853	1,861	1,877	-	-	-	-	38	-	-	-	-	-	-	-	40	2,081	2,158	2,475	-	3	3	3	-	(3)	(7)	6	-	-	-	-	81	(228)	(293)	(606)	0.406	0.342	0.427	0.258	33	(78)	(125)	(157)
6	16	18	159	1,855	1,872	1,897	-	-	-	-	42	-	-	-	-	-	-	-	24	1,425	1,453	1,725	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	92	429	422	170	0.403	0.425	0.412	0.404	37	182	174	69
6	16	19	156	1,834	1,857	1,887	-	-	-	-	48	-	-	-	-	-	-	-	8	589	591	839	-	3	3	3	-	2	4	4	-	-	-	-	100	1,240	1,260	1,041	0.408	0.422	0.407	0.393	41	524	513	409
6	16	20	155	1,823	1,846	1,877	-	-	-	-	50	-	-	-	-	-	-	-	0	103	103	350	-	3	3	3	-	2	0	8	-	-	-	-	105	1,714	1,741	1,517	0.409	0.436	0.406	0.396	43	747	707	601
6	16	21	160	1,877	1,903	1,935	-	-	-	-	51	-	-	-	-	-	-	-	-	97	97	344	-	3	3	3	-	5	3	5	-	-	-	-	109	1,772	1,800	1,584	0.409	0.435	0.406	0.397	45	770	731	628
6	16	22	155	1,830	1,859	1,893	-	-	-	-	49	-	-	-	-	-	-	-	-	94	94	341	-	3	3	3	-	10	14	6	-	-	-	-	106	1,723	1,747	1,543	0.407	0.422	0.404	0.395	43	728	707	609
6	16	23	142	1,678	1,706	1,739	-	-	-	-	48	-	-	-	-	-	-	-	-	88	88	335	-	3	3	3	-	12	7	4	-	-	-	-	95	1,576	1,608	1,397	0.403	0.421	0.404	0.394	38	663	649	550
6	16	24	143	1,686	1,709	1,737	-	-	-	-	46	-	-	-	-	-	-	-	-	84	84	331	-	3	3	3	-	3	7	15	-	-	-	-	97	1,596	1,616	1,389	0.401	0.424	0.410	0.395	39	676	663	549
6	17	1	118	1,376	1,385	1,400	-	-	-	-	39	-	-	-	-	-	-	-	-	78	78	325	-	3	3	3	-	10	7	3	-	-	-	-	79	1,286	1,298	1,070	0.407	0.428	0.417	0.394	32	551	541	421
6	17	2	111	1,284	1,285	1,292	-	-	-	-	36	-	-	-	-	-	-	-	-	62	62	309	-	3	3	3	-	3	2	1	-	-	-	-	74	1,217	1,219	979	0.407	0.429	0.416	0.393	30	522	507	385
6	17	3	106	1,223	1,217	1,217	-	-	-	-	36	-	-	-	-	-	-	-	-	61	61	308	-	3	3	3	-	3	5	1	-	-	-	-	69	1,156	1,148	905	0.406	0.430	0.416	0.394	28	497	478	357
6	17	4	103	1,182	1,169	1,162	-	-	-	-	38	-	-	-	-	-	-	-	-	57	57	304	-	3	3	3	-	7	7	1	-	-	-	-	65	1,115	1,101	854	0.406	0.429	0.417	0.393	26	479	459	336
6	17	5	103	1,177	1,158	1,146	-	-	-	-	41	-	-	-	-	-	-	-	1	125	125	372	-	3	3	3	-	9	4	2	-	-	-	-	60	1,041	1,026	769	0.408	0.427	0.416	0.392	25	445	427	301
6	17	6	107	1,222	1,196	1,178	-	-	-	-	47	-	-	-	-	-	-	-	15	982	984	1,232	-	3	3	3	-	(2)	(1)	1	-	-	-	-	45	239	210	(58)	0.406	0.432	0.415	0.388	18	103	87	(22)
6	17	7	114	1,299	1,270	1,252	-	-	-	-	47	-	-	-	-	-	-	-	26	1,597	1,606	1,860	-	3	3	3	-	(3)	(3)	1	-	-	-	-	41	(298)	(335)	(612)	0.398	0.410	0.417	0.378	16	(122)	(140)	(231)
6	17	8	124	1,412	1,385	1,370	-	-	-	-	41	-	-	-	-	-	-	-	40	2,139	2,192	2,486	-	3	3	3	-	(3)	(5)	12	-	-	-	-	44	(726)	(804)	(1,131)	0.395	0.545	0.392	0.141	17	(396)	(316)	(160)
6	17	9	134	1,532	1,510	1,503	-	-	-	-	40	-	-	-	-	-	-	-	50	2,454	2,554	2,890	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	44	(921)	(1,039)	(1,375)	0.388	0.022	0.022	0.021	17	(20)	(23)	(29)
6	17	10	143	1,638	1,618	1,611	-	-	-	-	43	-	-	-	-	-	-	-	57	2,651	2,787	3,156	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	42	(1,011)	(1,168)	(1,535)	0.395	0.022	0.022	0.022	17	(22)	(26)	(34)
6	17	11	152	1,742	1,723	1,717	-	-	-	-	39	-	-	-	-	-	-	-	61	2,710	2,869	3,258	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	52	(957)	(1,138)	(1,530)	0.397	0.022	0.022	0.022	21	(21)	(25)	(34)
6	17	12	158	1,818	1,800	1,795	-	-	-	-	38	-	-	-	-	-	-	-	63	2,733	2,903	3,302	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	58	(906)	(1,090)	(1,496)	0.392	0.022	0.022	0.022	23	(20)	(24)	(33)
6	17	13	163	1,880	1,866	1,864	-	-	-	-	37	-	-	-	-	-	-	-	62	2,691	2,861	3,261	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	64	(800)	(992)	(1,384)	0.394	0.022	0.022	0.022	25	(18)	(22)	(31)
6	17	14	170	1,960	1,950	1,952	-	-	-	-	37	-	-	-	-	-	-	-	62	2,708	2,872	3,266	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	72	(741)	(916)	(1,305)	0.393	0.022	0.022	0.022	28	(17)	(20)	(29)
6	17	15	175	2,024	2,018	2,025	-	-	-	-	38	-	-	-	-	-	-	-	58	2,642	2,790	3,170	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	79	(607)	(766)	(1,137)	0.389	0.023	0.022	0.021	31	(14)	(17)	(24)
6	17	16	179	2,082	2,086	2,101	-	-	-	-	37	-	-	-	-	-	-	-	51	2,423	2,542	2,896	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	91	(340)	(458)	(791)	0.397	0.024	0.021	0.021	36	(8)	(10)	(17)
6	17	17	181	2,116	2,130	2,153	-	-	-	-	38	-	-	-	-	-	-	-	40	2,042	2,120	2,438	-	3	3	3	-	(3)	(7)	6	-	-	-	-	103	74	14	(293)	0.406	0.342	0.427	0.258	42	25	6	(76)
6	17	18	180	2,115	2,138	2,170	-	-	-	-	42	-	-	-	-	-	-	-	24	1,385	1,414	1,686	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	114	730	728	482	0.403	0.425	0.412	0.404	46	310	300	195
6	17	19	176	2,070	2,098	2,134	-	-	-	-	48	-	-	-	-	-	-	-	8	573	574	822	-	3	3	3	-	2	4	4	-	-	-	-	120	1,492	1,517	1,304	0.408	0.422	0.407	0.393	49	630	618	512
6	17	20	170	2,001	2,029	2,064	-	-	-	-	50	-	-	-	-	-	-	-	0	100	100	347	-	3	3	3	-	2	0	8	-	-	-	-	120	1,895	1,926	1,706	0.409	0.436	0.406	0.396	49	825	782	676
6	17	21	170	2,002	2,031	2,067	-	-	-	-	51	-	-	-	-	-	-	-	-	98	98	345	-	3	3	3	-	5	3	5	-	-	-	-	120	1,896	1,927	1,714	0.409	0.435	0.406	0.397	49	824	782	680
6	17	22	165	1,942	1,974	2,011	-	-	-	-	49	-	-	-	-	-	-	-	-	91	91	338	-	3	3	3	-	10	14	6	-	-	-	-	115	1,839	1,865	1,664	0.407	0.422	0.404	0.395	47	777	755	657
6	17	23	152	1,792	1,822	1,858	-	-	-	-	48	-	-	-	-	-	-	-	-	84	84	331	-	3	3	3	-	12	7	4	-	-	-	-	104	1,694	1,729	1,520	0.403	0.421	0.404	0.394	42	712	698	599
6	17	24	154	1,811	1,837	1,869	-	-	-	-	46	-	-	-	-	-	-	-	-	86	86	333	-	3	3	3	-	3	7	15	-	-	-	-	108	1,720	1,742	1,519	0.401	0.424	0.410	0.395	43	729	715	600
6	18	1	125	1,462	1,473	1,490	-	-	-	-	39	-	-	-	-	-	-	-	-	86	86	333	-	3	3	3	-	10	7	3	-	-	-	-	86	1,363	1,378	1,152	0.407	0.428	0.417	0.394	35	584	574	453
6	18	2	116	1,348	1,350	1,358	-	-	-	-	36	-	-	-	-	-	-	-	-	74	74	321	-	3	3	3	-	3	2	1	-	-	-	-	80	1,267	1,271	1,033	0.407	0.429	0.416	0.393	32	543	529	406
6	18	3	110	1,267	1,262	1,263	-	-	-	-	36	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	3	5	1	-	-	-	-	73	1,203	1,196	954	0.406	0.430	0.416	0.394	30	517	498	376
6	18	4	106	1,215	1,202	1,196	-	-	-	-	38	-	-	-	-	-	-	-	-	48	48	295	-	3	3	3	-	7	7	1	-	-	-	-	68	1,156	1,143	897	0.406	0.429	0.417	0.393	28	496	476	352
6	18	5	104	1,189	1,170	1,159	-	-	-	-	41	-	-	-	-	-	-	-	1	102	102	349	-	3	3	3	-	9	4	2	-	-	-	-	62	1,076	1,061	805	0.408	0.427	0.416	0.392	25	459	442	315
6	18	6	105	1,190	1,163	1,145	-	-	-	-	47	-	-	-	-	-	-	-	15	929	930	1,179	-	3	3	3	-	(2)	(1)	1	-	-	-	-	43	260	231	(38)	0.406	0.432	0.415	0.388	17	112	96	(15)
6	18	7	106	1,196	1,165	1,144	-	-	-	-	47	-	-	-	-	-	-	-	26	1,565	1,573	1,828	-	3	3	3	-	(3)	(3)	1	-	-	-	-	33	(369)	(409)	(688)	0.398	0.410	0.417	0.378	13	(151)	(170)	(260)
6	18	8	112	1,274	1,244	1,226	-	-	-	-	41	-	-	-	-	-	-	-	39	2,092	2,146	2,440	-	3	3	3	-	(3)	(5)	12	-	-	-	-	32	(818)	(899)	(1,229)	0.395	0.545	0.392	0.141	13	(446)	(353)	(174)
6	18	9	124	1,408	1,384	1,373	-	-	-	-	40	-	-	-	-	-	-	-	50	2,438	2,537	2,873	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	34	(1,029)	(1,149)	(1,487)	0.388	0.022	0.022	0.021	13	(23)	(25)	(31)
6	18	10	136	1,552	1,529	1,521	-	-	-	-	43	-	-	-	-	-	-	-	57	2,634	2,767	3,132	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	35	(1,080)	(1,235)	(1,601)	0.395	0.022	0.022	0.022	14	(24)	(27)	(35)
6	18	11	147	1,685	1,665	1,658	-	-	-	-	39	-	-	-	-	-	-	-	60	2,674	2,829	3,215	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	48	(977)	(1,156)	(1,546)	0.397	0.022	0.022	0.022	19	(22)	(26)	(34)
6	18	12	157	1,809	1,791	1,786	-	-	-	-	38	-	-	-	-	-	-	-	62	2,695	2,863	3,260	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	58	(877)	(1,059)	(1,463)	0.392	0.022	0.022	0.022	23	(19)	(23)	(32)
6	18	13	167	1,925	1,912	1,912	-	-	-	-	37	-	-	-	-	-	-	-	61	2,636	2,805	3,203	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	69	(701)	(889)	(1,278)	0.394	0.022	0.022	0.022	27	(16)	(20)	(28)
6	18	14	175	2,028	2,021	2,025	-	-	-	-	37	-	-	-	-	-	-	-	61	2,655	2,818	3,211	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	78	(620)	(791)	(1,178)	0.393	0.022	0.022	0.022	31	(14)	(17)	(26)
6	18	15	183	2,122	2,119	2,129	-	-	-	-	38	-	-	-	-	-	-	-	58	2,584	2,730	3,108	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	88	(450)	(604)	(971)	0.389	0.023	0.022	0.021	34	(10)	(13)	(20)
6	18	16	189	2,196	2,203	2,221	-	-	-	-	37	-	-	-	-	-	-	-	51	2,367	2,485	2,839	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	101	(170)	(284)	(614)	0.397	0.024	0.021	0.021	40	(4)	(6)	(13)
6	18	17	192	2,240	2,257	2,283	-	-	-	-	38	-	-	-	-	-	-	-	40	1,995	2,073	2,390	-	3	3	3	-	(3)	(7)	6	-	-	-	-	113	244	188	(115)	0.406	0.342	0.427	0.258	46	84	80	(30)
6	18	18	193	2,259	2,286	2,322	-	-	-	-	42	-	-	-	-	-	-	-	24	1,346	1,374	1,647	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	126	913	915	673	0.403	0.425	0.412	0.404	51	388	376	272
6	18	19	188	2,215	2,247	2,287	-	-	-	-	48	-	-	-	-	-	-	-	8	538	540	788	-	3	3	3	-	2	4	4	-	-	-	-	132	1,672	1,700	1,491	0.408	0.422	0.407	0.393	54	706	692	585
6	18	20	183	2,150	2,182	2,221	-	-	-	-	50	-	-	-	-	-	-	-	0	61	61	308	-	3	3	3	-	2	0	8	-	-	-	-	132	2,084	2,118	1,902	0.409	0.436	0.406	0.396	54	908	860	754
6	18	21	180	2,124	2,157	2,196	-	-	-	-	51	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	5	3	5	-	-	-	-	130	2,058	2,092	1,882	0.409	0.435	0.406	0.397	53	895	849	747
6	18	22	174	2,054	2,088	2,128	-	-	-	-	49	-	-	-	-	-	-	-	-	54	54	301	-	3	3	3	-	10	14	6	-	-	-	-	125	1,987	2,017	1,818	0.407	0.422	0.404	0.395	51	839	816	718
6	18	23	162	1,907	1,940	1,979	-	-	-	-	48	-	-	-	-	-	-	-	-	42	42	289	-	3	3	3	-	12	7	4	-	-	-	-	114	1,850	1,888	1,682	0.403	0.421	0.404	0.394	46	778	762	663
6	18	24	160	1,887	1,915	1,948	-	-	-	-	46	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	3	7	15	-	-	-	-	114	1,849	1,874	1,652	0.401	0.424	0.410	0.395	46	784	769	653
6	19	1	133	1,552	1,565	1,584	-	-	-	-	39	-	-	-	-	-	-	-	-	23	23	270	-	3	3	3	-	10	7	3	-	-	-	-	94	1,516	1,533	1,309	0.407	0.428	0.417	0.394	38	650	639	515
6	19	2	122	1,418	1,422	1,433	-	-	-	-	36	-	-	-	-	-	-	-	-	20	20	267	-	3	3	3	-	3	2	1	-	-	-	-	86	1,392	1,398	1,161	0.407	0.429	0.416	0.393	35	597	582	457
6	19	3	114	1,326	1,322	1,325	-	-	-	-	36	-	-	-	-	-	-	-	-	28	28	275	-	3	3	3	-	3	5	1	-	-	-	-	78	1,292	1,287	1,046	0.406	0.430	0.416	0.394	32	555	536	413
6	19	4	109	1,259	1,247	1,242	-	-	-	-	38	-	-	-	-	-	-	-	-	25	25	272	-	3	3	3	-	7	7	1	-	-	-	-	71	1,224	1,212	967	0.406	0.429	0.417	0.393	29	525	505	380
6	19	5	106	1,213	1,195	1,184	-	-	-	-	41	-	-	-	-	-	-	-	1	87	87	334	-	3	3	3	-	9	4	2	-	-	-	-	64	1,115	1,101	845	0.408	0.427	0.416	0.392	26	476	458	331
6	19	6	104	1,187	1,161	1,143	-	-	-	-	47	-	-	-	-	-	-	-	14	908	910	1,158	-	3	3	3	-	(2)	(1)	1	-	-	-	-	43	278	249	(19)	0.406	0.432	0.415	0.388	18	120	104	(7)
6	19	7	104	1,180	1,149	1,127	-	-	-	-	47	-	-	-	-	-	-	-	26	1,569	1,577	1,832	-	3	3	3	-	(3)	(3)	1	-	-	-	-	32	(388)	(429)	(709)	0.398	0.410	0.417	0.378	13	(159)	(179)	(268)
6	19	8	111	1,256	1,226	1,207	-	-	-	-	41	-	-	-	-	-	-	-	39	2,087	2,139	2,433	-	3	3	3	-	(3)	(5)	12	-	-	-	-	31	(830)	(911)	(1,241)	0.395	0.545	0.392	0.141	12	(453)	(358)	(175)
6	19	9	122	1,395	1,371	1,359	-	-	-	-	40	-	-	-	-	-	-	-	50	2,479	2,576	2,910	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	33	(1,083)	(1,202)	(1,538)	0.388	0.022	0.022	0.021	13	(24)	(27)	(32)
6	19	10	138	1,575	1,554	1,546	-	-	-	-	43	-	-	-	-	-	-	-	57	2,683	2,815	3,180	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	37	(1,106)	(1,259)	(1,624)	0.395	0.022	0.022	0.022	15	(24)	(28)	(36)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	19	11	155	1,783	1,765	1,760	-	-	-	-	39	-	-	-	-	-	-	-	61	2,744	2,897	3,281	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	56	(949)	(1,123)	(1,510)	0.397	0.022	0.022	0.022	22	(21)	(25)	(33)
6	19	12	173	1,997	1,984	1,984	-	-	-	-	38	-	-	-	-	-	-	-	62	2,721	2,889	3,286	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	74	(714)	(892)	(1,291)	0.392	0.022	0.022	0.022	29	(16)	(20)	(29)
6	19	13	190	2,199	2,193	2,199	-	-	-	-	37	-	-	-	-	-	-	-	62	2,688	2,858	3,256	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	91	(480)	(662)	(1,045)	0.394	0.022	0.022	0.022	36	(11)	(15)	(23)
6	19	14	204	2,372	2,373	2,386	-	-	-	-	37	-	-	-	-	-	-	-	61	2,693	2,856	3,249	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	107	(314)	(477)	(855)	0.393	0.022	0.022	0.022	42	(7)	(11)	(19)
6	19	15	214	2,491	2,497	2,516	-	-	-	-	38	-	-	-	-	-	-	-	57	2,607	2,753	3,131	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	119	(104)	(249)	(607)	0.389	0.023	0.022	0.021	46	(2)	(5)	(13)
6	19	16	222	2,591	2,608	2,636	-	-	-	-	37	-	-	-	-	-	-	-	51	2,398	2,517	2,870	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	134	194	89	(230)	0.397	0.024	0.021	0.021	53	5	2	(5)
6	19	17	229	2,679	2,707	2,745	-	-	-	-	38	-	-	-	-	-	-	-	40	2,047	2,125	2,442	-	3	3	3	-	(3)	(7)	6	-	-	-	-	150	633	586	294	0.406	0.342	0.427	0.258	61	216	250	76
6	19	18	233	2,743	2,781	2,829	-	-	-	-	42	-	-	-	-	-	-	-	23	1,339	1,368	1,642	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	168	1,403	1,416	1,186	0.403	0.425	0.412	0.404	68	596	583	479
6	19	19	233	2,744	2,789	2,842	-	-	-	-	48	-	-	-	-	-	-	-	8	542	544	792	-	3	3	3	-	2	4	4	-	-	-	-	177	2,197	2,239	2,043	0.408	0.422	0.407	0.393	72	928	911	802
6	19	20	228	2,681	2,725	2,778	-	-	-	-	50	-	-	-	-	-	-	-	0	88	88	335	-	3	3	3	-	2	0	8	-	-	-	-	177	2,588	2,635	2,433	0.409	0.436	0.406	0.396	73	1,127	1,070	964
6	19	21	224	2,643	2,688	2,740	-	-	-	-	51	-	-	-	-	-	-	-	-	82	82	329	-	3	3	3	-	5	3	5	-	-	-	-	174	2,553	2,600	2,403	0.409	0.435	0.406	0.397	71	1,110	1,055	953
6	19	22	215	2,532	2,577	2,629	-	-	-	-	49	-	-	-	-	-	-	-	-	70	70	317	-	3	3	3	-	10	14	6	-	-	-	-	165	2,449	2,490	2,303	0.407	0.422	0.404	0.395	67	1,034	1,007	910
6	19	23	194	2,291	2,334	2,383	-	-	-	-	48	-	-	-	-	-	-	-	-	56	56	303	-	3	3	3	-	12	7	4	-	-	-	-	146	2,221	2,268	2,073	0.403	0.421	0.404	0.394	59	934	915	817
6	19	24	186	2,189	2,224	2,265	-	-	-	-	46	-	-	-	-	-	-	-	-	54	54	301	-	3	3	3	-	3	7	15	-	-	-	-	140	2,129	2,160	1,946	0.401	0.424	0.410	0.395	56	902	887	770
6	20	1	151	1,773	1,792	1,816	-	-	-	-	39	-	-	-	-	-	-	-	-	54	54	301	-	3	3	3	-	10	7	3	-	-	-	-	112	1,706	1,729	1,510	0.407	0.428	0.417	0.394	46	731	720	595
6	20	2	138	1,606	1,614	1,629	-	-	-	-	36	-	-	-	-	-	-	-	-	46	46	293	-	3	3	3	-	3	2	1	-	-	-	-	101	1,554	1,564	1,332	0.407	0.429	0.416	0.393	41	666	651	524
6	20	3	129	1,495	1,496	1,503	-	-	-	-	36	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	3	5	1	-	-	-	-	92	1,450	1,448	1,213	0.406	0.430	0.416	0.394	37	623	603	478
6	20	4	123	1,423	1,415	1,414	-	-	-	-	38	-	-	-	-	-	-	-	-	32	32	279	-	3	3	3	-	7	7	1	-	-	-	-	85	1,381	1,373	1,132	0.406	0.429	0.417	0.393	35	593	572	445
6	20	5	122	1,405	1,392	1,386	-	-	-	-	41	-	-	-	-	-	-	-	1	101	101	348	-	3	3	3	-	9	4	2	-	-	-	-	80	1,293	1,283	1,033	0.408	0.427	0.416	0.392	33	552	534	404
6	20	6	125	1,435	1,414	1,402	-	-	-	-	47	-	-	-	-	-	-	-	16	989	990	1,238	-	3	3	3	-	(2)	(1)	1	-	-	-	-	63	445	422	160	0.406	0.432	0.415	0.388	25	192	175	62
6	20	7	134	1,533	1,510	1,497	-	-	-	-	47	-	-	-	-	-	-	-	27	1,630	1,638	1,893	-	3	3	3	-	(3)	(3)	1	-	-	-	-	60	(97)	(129)	(399)	0.398	0.410	0.417	0.378	24	(40)	(54)	(151)
6	20	8	151	1,727	1,708	1,701	-	-	-	-	41	-	-	-	-	-	-	-	40	2,133	2,187	2,481	-	3	3	3	-	(3)	(5)	12	-	-	-	-	70	(406)	(477)	(795)	0.395	0.545	0.392	0.141	28	(221)	(187)	(112)
6	20	9	171	1,970	1,959	1,963	-	-	-	-	40	-	-	-	-	-	-	-	50	2,435	2,535	2,872	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	82	(464)	(572)	(897)	0.388	0.022	0.022	0.021	32	(10)	(13)	(19)
6	20	10	194	2,242	2,236	2,246	-	-	-	-	43	-	-	-	-	-	-	-	57	2,669	2,805	3,174	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	93	(425)	(566)	(918)	0.395	0.022	0.022	0.022	37	(9)	(13)	(20)
6	20	11	217	2,517	2,516	2,531	-	-	-	-	39	-	-	-	-	-	-	-	61	2,777	2,934	3,322	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	117	(248)	(409)	(780)	0.397	0.022	0.022	0.022	46	(5)	(9)	(17)
6	20	12	235	2,733	2,738	2,756	-	-	-	-	38	-	-	-	-	-	-	-	62	2,742	2,910	3,308	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	135	2	(160)	(541)	0.392	0.022	0.022	0.022	53	0	(4)	(12)
6	20	13	248	2,883	2,893	2,918	-	-	-	-	37	-	-	-	-	-	-	-	62	2,711	2,881	3,281	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	149	182	16	(350)	0.394	0.022	0.022	0.022	59	4	0	(8)
6	20	14	260	3,028	3,044	3,075	-	-	-	-	37	-	-	-	-	-	-	-	61	2,717	2,881	3,275	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	162	319	170	(192)	0.393	0.022	0.022	0.022	64	7	4	(4)
6	20	15	269	3,145	3,166	3,202	-	-	-	-	38	-	-	-	-	-	-	-	58	2,652	2,800	3,179	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	174	505	373	31	0.389	0.023	0.022	0.021	68	12	8	1
6	20	16	277	3,241	3,273	3,318	-	-	-	-	37	-	-	-	-	-	-	-	51	2,437	2,556	2,910	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	188	806	715	412	0.397	0.024	0.021	0.021	75	19	15	9
6	20	17	277	3,254	3,295	3,348	-	-	-	-	38	-	-	-	-	-	-	-	40	2,035	2,114	2,431	-	3	3	3	-	(3)	(7)	6	-	-	-	-	199	1,219	1,185	908	0.406	0.342	0.427	0.258	81	417	507	235
6	20	18	277	3,255	3,306	3,367	-	-	-	-	42	-	-	-	-	-	-	-	24	1,382	1,412	1,685	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	210	1,873	1,898	1,680	0.403	0.425	0.412	0.404	85	796	781	678
6	20	19	273	3,217	3,273	3,339	-	-	-	-	48	-	-	-	-	-	-	-	8	581	582	830	-	3	3	3	-	2	4	4	-	-	-	-	216	2,632	2,684	2,501	0.408	0.422	0.407	0.393	88	1,111	1,092	982
6	20	20	264	3,112	3,167	3,231	-	-	-	-	50	-	-	-	-	-	-	-	0	90	90	337	-	3	3	3	-	2	0	8	-	-	-	-	214	3,016	3,073	2,883	0.409	0.436	0.406	0.396	87	1,314	1,248	1,142
6	20	21	258	3,048	3,102	3,165	-	-	-	-	51	-	-	-	-	-	-	-	-	73	73	320	-	3	3	3	-	5	3	5	-	-	-	-	208	2,967	3,023	2,836	0.409	0.435	0.406	0.397	85	1,290	1,227	1,125
6	20	22	242	2,860	2,913	2,974	-	-	-	-	49	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	10	14	6	-	-	-	-	193	2,789	2,838	2,660	0.407	0.422	0.404	0.395	79	1,178	1,148	1,051
6	20	23	216	2,548	2,597	2,652	-	-	-	-	48	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	12	7	4	-	-	-	-	168	2,489	2,542	2,353	0.403	0.421	0.404	0.394	68	1,047	1,026	927
6	20	24	228	2,693	2,740	2,795	-	-	-	-	46	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	3	7	15	-	-	-	-	182	2,648	2,691	2,491	0.401	0.424	0.410	0.395	73	1,122	1,105	985
6	21	1	168	1,968	1,991	2,021	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	10	7	3	-	-	-	-	129	1,915	1,942	1,729	0.407	0.428	0.417	0.394	52	821	809	681
6	21	2	152	1,780	1,793	1,813	-	-	-	-	36	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	3	2	1	-	-	-	-	116	1,729	1,743	1,516	0.407	0.429	0.416	0.393	47	741	726	596
6	21	3	142	1,647	1,651	1,662	-	-	-	-	36	-	-	-	-	-	-	-	-	46	46	293	-	3	3	3	-	3	5	1	-	-	-	-	105	1,595	1,598	1,366	0.406	0.430	0.416	0.394	43	686	665	538
6	21	4	134	1,555	1,551	1,554	-	-	-	-	38	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	7	7	1	-	-	-	-	96	1,502	1,497	1,259	0.406	0.429	0.417	0.393	39	645	624	495
6	21	5	131	1,509	1,498	1,495	-	-	-	-	41	-	-	-	-	-	-	-	1	103	103	350	-	3	3	3	-	9	4	2	-	-	-	-	89	1,395	1,388	1,140	0.408	0.427	0.416	0.392	36	596	578	446
6	21	6	133	1,531	1,513	1,504	-	-	-	-	47	-	-	-	-	-	-	-	15	949	950	1,198	-	3	3	3	-	(2)	(1)	1	-	-	-	-	72	582	561	302	0.406	0.432	0.415	0.388	29	251	233	117
6	21	7	141	1,614	1,593	1,583	-	-	-	-	47	-	-	-	-	-	-	-	26	1,597	1,605	1,859	-	3	3	3	-	(3)	(3)	1	-	-	-	-	68	17	(12)	(280)	0.398	0.410	0.417	0.378	27	7	(5)	(106)
6	21	8	154	1,764	1,745	1,740	-	-	-	-	41	-	-	-	-	-	-	-	39	2,092	2,146	2,441	-	3	3	3	-	(3)	(5)	12	-	-	-	-	74	(327)	(398)	(716)	0.395	0.545	0.392	0.141	29	(179)	(156)	(101)
6	21	9	168	1,933	1,921	1,924	-	-	-	-	40	-	-	-	-	-	-	-	50	2,444	2,546	2,883	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	78	(511)	(621)	(947)	0.388	0.022	0.022	0.021	30	(11)	(14)	(20)
6	21	10	183	2,117	2,108	2,114	-	-	-	-	43	-	-	-	-	-	-	-	57	2,628	2,764	3,132	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	83	(510)	(654)	(1,008)	0.395	0.022	0.022	0.022	33	(11)	(14)	(22)
6	21	11	199	2,298	2,293	2,301	-	-	-	-	39	-	-	-	-	-	-	-	61	2,709	2,865	3,251	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	99	(399)	(564)	(939)	0.397	0.022	0.022	0.022	39	(9)	(12)	(21)
6	21	12	212	2,451	2,449	2,460	-	-	-	-	38	-	-	-	-	-	-	-	62	2,684	2,851	3,247	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	112	(223)	(389)	(775)	0.392	0.022	0.022	0.022	44	(5)	(9)	(17)
6	21	13	223	2,587	2,590	2,607	-	-	-	-	37	-	-	-	-	-	-	-	61	2,642	2,809	3,206	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	124	(45)	(216)	(587)	0.394	0.022	0.022	0.022	49	(1)	(5)	(13)
6	21	14	232	2,705	2,713	2,735	-	-	-	-	37	-	-	-	-	-	-	-	60	2,630	2,793	3,185	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	136	81	(73)	(442)	0.393	0.022	0.022	0.022	53	2	(2)	(10)
6	21	15	236	2,752	2,764	2,789	-	-	-	-	38	-	-	-	-	-	-	-	58	2,588	2,735	3,114	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	141	176	35	(316)	0.389	0.023	0.022	0.021	55	4	1	(7)
6	21	16	237	2,774	2,795	2,828	-	-	-	-	37	-	-	-	-	-	-	-	51	2,400	2,520	2,874	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	149	375	274	(42)	0.397	0.024	0.021	0.021	59	9	6	(1)
6	21	17	236	2,767	2,796	2,837	-	-	-	-	38	-	-	-	-	-	-	-	41	2,019	2,098	2,416	-	3	3	3	-	(3)	(7)	6	-	-	-	-	157	747	702	412	0.406	0.342	0.427	0.258	64	256	300	107
6	21	18	232	2,723	2,761	2,808	-	-	-	-	42	-	-	-	-	-	-	-	23	1,262	1,291	1,565	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	167	1,460	1,473	1,242	0.403	0.425	0.412	0.404	67	621	606	501
6	21	19	224	2,632	2,674	2,724	-	-	-	-	48	-	-	-	-	-	-	-	8	498	500	749	-	3	3	3	-	2	4	4	-	-	-	-	168	2,129	2,167	1,968	0.408	0.422	0.407	0.393	68	899	882	773
6	21	20	212	2,500	2,541	2,589	-	-	-	-	50	-	-	-	-	-	-	-	0	51	51	298	-	3	3	3	-	2	0	8	-	-	-	-	162	2,444	2,486	2,280	0.409	0.436	0.406	0.396	66	1,064	1,009	903
6	21	21	208	2,446	2,486	2,533	-	-	-	-	51	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	5	3	5	-	-	-	-	157	2,388	2,430	2,228	0.409	0.435	0.406	0.397	64	1,038	986	884
6	21	22	199	2,343	2,384	2,431	-	-	-	-	49	-	-	-	-	-	-	-	-	50	50	297	-	3	3	3	-	10	14	6	-	-	-	-	149	2,280	2,317	2,126	0.407	0.422	0.404	0.395	61	963	937	840
6	21	23	180	2,119	2,158	2,202	-	-	-	-	48	-	-	-	-	-	-	-	-	52	52	299	-	3	3	3	-	12	7	4	-	-	-	-	132	2,053	2,096	1,896	0.403	0.421	0.404	0.394	53	864	846	747
6	21	24	202	2,383	2,422	2,468	-	-	-	-	46	-	-	-	-	-	-	-	-	48	48	295	-	3	3	3	-	3	7	15	-	-	-	-	156	2,329	2,365	2,156	0.401	0.424	0.410	0.395	63	987	970	852
6	22	1	143	1,677	1,694	1,716	-	-	-	-	39	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	10	7	3	-	-	-	-	104	1,617	1,637	1,416	0.407	0.428	0.417	0.394	43	693	682	558
6	22	2	132	1,544	1,551	1,564	-	-	-	-	36	-	-	-	-	-	-	-	-	45	45	292	-	3	3	3	-	3	2	1	-	-	-	-	96	1,493	1,501	1,268	0.407	0.429	0.416	0.393	39	640	625	499
6	22	3	125	1,450	1,449	1,455	-	-	-	-	36	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	3	5	1	-	-	-	-	89	1,410	1,408	1,171	0.406	0.430	0.416	0.394	36	606	586	462
6	22	4	120	1,386	1,377	1,375	-	-	-	-	38	-	-	-	-	-	-	-	-	29	29	276	-	3	3	3	-	7	7	1	-	-	-	-	82	1,347	1,338	1,096	0.406	0.429	0.417	0.393	33	578	558	431
6	22	5	119	1,367	1,352	1,346	-	-	-	-	41	-	-	-	-	-	-	-	1	80	80	327	-	3	3	3	-	9	4	2	-	-	-	-	77	1,276	1,266	1,014	0.408	0.427	0.416	0.392	31	545	527	397
6	22	6	123	1,407	1,386	1,373	-	-	-	-	47	-	-	-	-	-	-	-	13	833	835	1,083	-	3	3	3	-	(2)	(1)	1	-	-	-	-	63	573	549	286	0.406	0.432	0.415	0.388	26	247	228	111
6	22	7	130	1,488	1,464	1,451	-	-	-	-	47	-	-	-	-	-	-	-	25	1,521	1,528	1,783	-	3	3	3	-	(3)	(3)	1	-	-	-	-	58	(32)	(64)	(335)	0.398	0.410	0.417	0.378	23	(13)	(27)	(127)
6	22	8	141	1,610	1,588	1,578	-	-	-	-	41	-	-	-	-	-	-	-	39	2,045	2,098	2,392	-	3	3	3	-	(3)	(5)	12	-	-	-	-	61	(434)	(507)	(829)	0.395	0.545	0.392	0.141	24	(237)	(199)	(117)
6	22	9	152	1,743	1,727	1,724	-	-	-	-	40	-	-	-	-	-	-	-	49	2,392	2,491	2,827	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	63	(648)	(761)	(1,090)	0.388	0.022	0.022	0.021	24	(14)	(17)	(23)
6	22	10	164	1,885	1,871	1,871	-	-	-	-	43	-	-	-	-	-	-	-	56	2,570	2,702	3,068	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	64	(683)	(829)	(1,187)	0.395	0.022	0.022	0.022	25	(15)	(18)	(26)
6	22	11	177	2,038	2,026	2,028	-	-	-	-	39	-	-	-	-	-	-	-	59	2,631	2,784	3,168	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	79	(582)	(750)	(1,130)	0.397	0.022	0.022	0.022	31	(13)	(17)	(25)
6	22	12	188	2,169	2,160	2,164	-	-	-	-	38	-	-	-	-	-	-	-	60	2,634	2,796	3,189	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	90	(455)	(623)	(1,013)	0.392	0.022	0.022	0.022	35	(10)	(14)	(22)
6	22	13	197	2,286	2,282	2,291	-	-	-	-	37	-	-	-	-	-	-	-	60	2,593	2,756	3,148	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	100	(298)	(470)	(845)	0.394	0.022	0.022	0.022	40	(7)	(10)	(19)
6	22	14	207	2,400	2,401	2,415	-	-	-	-	37	-	-	-	-	-	-	-	57	2,481	2,636	3,021	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	113	(74)	(228)	(598)	0.393	0.022	0.022	0.022	44	(2)	(5)	(13)
6	22	15	215	2,504	2,511	2,530	-	-	-	-	38	-	-	-	-	-	-	-	55	2,475	2,613	2,984	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	123	42	(96)	(446)	0.389	0.023	0.022	0.021	48	1	(2)	(9)
6	22	16	221	2,583	2,599	2,627	-	-	-	-	37	-	-	-	-	-	-	-	48	2,258	2,369	2,715	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	136	327	229	(84)	0.397	0.024	0.021	0.021	54	8	5	(2)
6	22	17	224	2,622	2,648	2,685	-	-	-	-	38	-	-	-	-	-	-	-	37	1,798	1,872	2,185	-	3	3	3	-	(3)	(7)	6	-	-	-	-	149	824	780	491	0.406	0.342	0.427	0.258	61	282	333	127
6	22	18	221	2,594	2,628	2,673	-	-	-	-	42	-	-	-	-	-	-	-	21	1,135	1,161	1,432	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	158	1,458	1,470	1,239	0.403	0.425	0.412	0.404	64	620	605	500
6	22	19	212	2,492	2,531	2,578	-	-	-	-	48	-	-	-	-	-	-	-	7	464	466	714	-	3	3	3	-	2	4	4	-	-	-	-	156	2,023	2,058	1,856	0.408	0.422	0.407	0.393	64	854	838	729
6	22	20	200	2,358	2,395	2,439	-	-	-	-	50	-	-	-	-	-	-	-	0	54	54	301	-	3	3	3	-	2	0	8	-	-	-	-	150	2,299	2,338	2,128	0.409	0.436	0.406	0.396	61	1,001	949	843
6	22	21	194	2,286	2,322	2,365	-	-	-	-	51	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	5	3	5	-	-	-	-	144	2,220	2,258	2,052	0.409	0.435	0.406	0.397	59	965	916	814
6	22	22	184	2,173	2,210	2,253	-	-	-	-	49	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	10	14	6	-	-	-	-	135	2,097	2,130	1,934	0.407	0.422	0.404	0.395	55	886	861	764
6	22	23	166	1,962	1,997	2,037	-	-	-	-	48	-	-	-	-	-	-	-	-	65	65	312	-	3	3	3	-	12	7	4	-	-	-	-	118	1,882	1,922	1,718	0.403	0.421	0.404	0.394	48	792	776	677
6	22	24	180	2,121	2,154	2,194	-	-	-	-	46	-	-	-	-	-	-	-	-	65	65	312	-	3	3	3	-	3	7	15	-	-	-	-	134	2,050	2,080	1,864	0.401	0.424	0.410	0.395	54	868	854	737
6	23	1	134	1,565	1,579	1,598	-	-	-	-	39	-	-	-	-	-	-	-	-	67	67	314	-	3	3	3	-	10	7	3	-	-	-	-	95	1,485	1,502	1,279	0.407	0.428	0.417	0.394	39	636	626	503
6	23	2	124	1,447	1,452	1,463	-	-	-	-	36	-	-	-	-	-	-	-	-	60	60	307	-	3	3	3	-	3	2	1	-	-	-	-	88	1,381	1,387	1,151	0.407	0.429	0.416	0.393	36	592	577	453
6	23	3	118	1,370	1,367	1,371	-	-	-	-	36	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	3	5	1	-	-	-	-	82	1,305	1,301	1,062	0.406	0.430	0.416	0.394	33	561	542	419
6	23	4	115	1,320	1,310	1,306	-	-	-	-	38	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	7	7	1	-	-	-	-	77	1,254	1,244	1,000	0.406	0.429	0.417	0.393	31	538	518	393
6	23	5	114	1,312	1,296	1,288	-	-	-	-	41	-	-	-	-	-	-	-	1	96	96	343	-	3	3	3	-	9	4	2	-	-	-	-	72	1,204	1,193	940	0.408	0.427	0.416	0.392	29	514	496	368
6	23	6	118	1,353	1,330	1,317	-	-	-	-	47	-	-	-	-	-	-	-	14	890	891	1,140	-	3	3	3	-	(2)	(1)	1	-	-	-	-	58	463	437	173	0.406	0.432	0.415	0.388	23	200	182	67
6	23	7	126	1,440	1,415	1,400	-	-	-	-	47	-	-	-	-	-	-	-	24	1,499	1,507	1,762	-	3	3	3	-	(3)	(3)	1	-	-	-	-	55	(59)	(92)	(365)	0.398	0.410	0.417	0.378	22	(24)	(38)	(138)
6	23	8	136	1,555	1,531	1,520	-	-	-	-	41	-	-	-	-	-	-	-	38	2,049	2,101	2,395	-	3	3	3	-	(3)	(5)	12	-	-	-	-	57	(494)	(568)	(890)	0.395	0.545	0.392	0.141	23	(269)	(223)	(126)
6	23	9	147	1,682	1,664	1,660	-	-	-	-	40	-	-	-	-	-	-	-	48	2,377	2,474	2,807	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	59	(695)	(806)	(1,135)	0.388	0.022	0.022	0.021	23	(15)	(18)	(24)
6	23	10	158	1,815	1,799	1,797	-	-	-	-	43	-	-	-	-	-	-	-	55	2,573	2,703	3,066	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	59	(755)	(901)	(1,259)	0.395	0.022	0.022	0.022	23	(17)	(20)	(28)
6	23	11	169	1,947	1,932	1,932	-	-	-	-	39	-	-	-	-	-	-	-	58	2,599	2,751	3,134	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	72	(641)	(810)	(1,191)	0.397	0.022	0.022	0.022	29	(14)	(18)	(26)
6	23	12	178	2,052	2,040	2,041	-	-	-	-	38	-	-	-	-	-	-	-	59	2,573	2,737	3,131	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	81	(511)	(684)	(1,078)	0.392	0.022	0.022	0.022	32	(11)	(15)	(24)
6	23	13	185	2,144	2,136	2,141	-	-	-	-	37	-	-	-	-	-	-	-	59	2,606	2,771	3,166	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	89	(453)	(632)	(1,013)	0.394	0.022	0.022	0.022	35	(10)	(14)	(22)
6	23	14	194	2,245	2,243	2,253	-	-	-	-	37	-	-	-	-	-	-	-	59	2,648	2,804	3,192	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	98	(395)	(555)	(931)	0.393	0.022	0.022	0.022	39	(9)	(12)	(20)
6	23	15	202	2,343	2,345	2,360	-	-	-	-	38	-	-	-	-	-	-	-	56	2,594	2,735	3,109	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	108	(239)	(384)	(741)	0.389	0.023	0.022	0.021	42	(5)	(8)	(15)
6	23	16	208	2,419	2,431	2,455	-	-	-	-	37	-	-	-	-	-	-	-	51	2,444	2,562	2,916	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	119	(23)	(133)	(457)	0.397	0.024	0.021	0.021	47	(1)	(3)	(10)
6	23	17	211	2,464	2,486	2,519	-	-	-	-	38	-	-	-	-	-	-	-	40	2,064	2,142	2,459	-	3	3	3	-	(3)	(7)	6	-	-	-	-	132	400	348	51	0.406	0.342	0.427	0.258	54	137	149	13
6	23	18	209	2,452	2,484	2,524	-	-	-	-	42	-	-	-	-	-	-	-	23	1,351	1,381	1,655	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	143	1,101	1,106	867	0.403	0.425	0.412	0.404	58	468	455	350
6	23	19	203	2,386	2,422	2,467	-	-	-	-	48	-	-	-	-	-	-	-	8	587	589	837	-	3	3	3	-	2	4	4	-	-	-	-	147	1,795	1,827	1,622	0.408	0.422	0.407	0.393	60	758	744	637
6	23	20	195	2,291	2,326	2,369	-	-	-	-	50	-	-	-	-	-	-	-	0	107	107	354	-	3	3	3	-	2	0	8	-	-	-	-	144	2,179	2,216	2,004	0.409	0.436	0.406	0.396	59	949	900	794
6	23	21	191	2,254	2,290	2,332	-	-	-	-	51	-	-	-	-	-	-	-	-	93	93	340	-	3	3	3	-	5	3	5	-	-	-	-	141	2,153	2,190	1,983	0.409	0.435	0.406	0.397	58	936	889	787

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	23	22	183	2,154	2,190	2,233	-	-	-	-	49	-	-	-	-	-	-	-	-	75	75	322	-	3	3	3	-	10	14	6	-	-	-	-	133	2,066	2,098	1,902	0.407	0.422	0.404	0.395	54	873	849	751
6	23	23	165	1,951	1,985	2,025	-	-	-	-	48	-	-	-	-	-	-	-	-	65	65	312	-	3	3	3	-	12	7	4	-	-	-	-	118	1,872	1,911	1,706	0.403	0.421	0.404	0.394	47	787	771	672
6	23	24	172	2,022	2,053	2,090	-	-	-	-	46	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	3	7	15	-	-	-	-	126	1,953	1,980	1,762	0.401	0.424	0.410	0.395	50	827	813	697
6	24	1	133	1,560	1,574	1,593	-	-	-	-	39	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	10	7	3	-	-	-	-	95	1,484	1,501	1,277	0.407	0.428	0.417	0.394	38	636	625	503
6	24	2	124	1,447	1,452	1,462	-	-	-	-	36	-	-	-	-	-	-	-	-	60	60	307	-	3	3	3	-	3	2	1	-	-	-	-	88	1,381	1,387	1,151	0.407	0.429	0.416	0.393	36	592	577	453
6	24	3	118	1,367	1,365	1,368	-	-	-	-	36	-	-	-	-	-	-	-	-	53	53	300	-	3	3	3	-	3	5	1	-	-	-	-	82	1,308	1,304	1,065	0.406	0.430	0.416	0.394	33	562	543	420
6	24	4	114	1,313	1,302	1,299	-	-	-	-	38	-	-	-	-	-	-	-	-	56	56	303	-	3	3	3	-	7	7	1	-	-	-	-	76	1,247	1,236	992	0.406	0.429	0.417	0.393	31	535	515	390
6	24	5	114	1,308	1,292	1,284	-	-	-	-	41	-	-	-	-	-	-	-	1	93	93	340	-	3	3	3	-	9	4	2	-	-	-	-	72	1,203	1,192	939	0.408	0.427	0.416	0.392	29	514	496	368
6	24	6	118	1,353	1,330	1,316	-	-	-	-	47	-	-	-	-	-	-	-	11	732	733	982	-	3	3	3	-	(2)	(1)	1	-	-	-	-	60	620	595	331	0.406	0.432	0.415	0.388	25	268	247	128
6	24	7	125	1,430	1,404	1,389	-	-	-	-	47	-	-	-	-	-	-	-	22	1,394	1,402	1,655	-	3	3	3	-	(3)	(3)	1	-	-	-	-	56	36	2	(270)	0.398	0.410	0.417	0.378	22	15	1	(102)
6	24	8	135	1,545	1,521	1,509	-	-	-	-	41	-	-	-	-	-	-	-	37	1,995	2,047	2,341	-	3	3	3	-	(3)	(5)	12	-	-	-	-	58	(450)	(524)	(846)	0.395	0.545	0.392	0.141	23	(245)	(206)	(120)
6	24	9	145	1,661	1,643	1,638	-	-	-	-	40	-	-	-	-	-	-	-	48	2,366	2,464	2,799	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	58	(704)	(818)	(1,148)	0.388	0.022	0.022	0.021	22	(16)	(18)	(24)
6	24	10	155	1,775	1,757	1,754	-	-	-	-	43	-	-	-	-	-	-	-	56	2,669	2,803	3,170	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	55	(893)	(1,044)	(1,406)	0.395	0.022	0.022	0.022	22	(20)	(23)	(31)
6	24	11	163	1,880	1,864	1,861	-	-	-	-	39	-	-	-	-	-	-	-	60	2,736	2,891	3,277	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	65	(846)	(1,020)	(1,405)	0.397	0.022	0.022	0.022	26	(19)	(23)	(31)
6	24	12	171	1,969	1,955	1,954	-	-	-	-	38	-	-	-	-	-	-	-	61	2,747	2,913	3,309	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	72	(768)	(945)	(1,343)	0.392	0.022	0.022	0.022	28	(17)	(21)	(30)
6	24	13	177	2,042	2,031	2,034	-	-	-	-	37	-	-	-	-	-	-	-	61	2,755	2,922	3,318	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	79	(704)	(887)	(1,272)	0.394	0.022	0.022	0.022	31	(16)	(20)	(28)
6	24	14	185	2,139	2,133	2,141	-	-	-	-	37	-	-	-	-	-	-	-	59	2,714	2,871	3,259	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	89	(568)	(731)	(1,110)	0.393	0.022	0.022	0.022	35	(13)	(16)	(24)
6	24	15	191	2,218	2,218	2,229	-	-	-	-	38	-	-	-	-	-	-	-	57	2,655	2,800	3,177	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	97	(424)	(576)	(940)	0.389	0.023	0.022	0.021	38	(10)	(12)	(19)
6	24	16	196	2,281	2,290	2,310	-	-	-	-	37	-	-	-	-	-	-	-	50	2,388	2,505	2,857	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	109	(106)	(217)	(543)	0.397	0.024	0.021	0.021	43	(2)	(5)	(12)
6	24	17	198	2,319	2,338	2,366	-	-	-	-	38	-	-	-	-	-	-	-	38	1,979	2,056	2,372	-	3	3	3	-	(3)	(7)	6	-	-	-	-	122	340	286	(13)	0.406	0.342	0.427	0.258	49	116	122	(3)
6	24	18	196	2,304	2,332	2,368	-	-	-	-	42	-	-	-	-	-	-	-	22	1,312	1,341	1,614	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	132	992	994	752	0.403	0.425	0.412	0.404	53	421	409	304
6	24	19	190	2,232	2,264	2,305	-	-	-	-	48	-	-	-	-	-	-	-	8	568	569	818	-	3	3	3	-	2	4	4	-	-	-	-	134	1,660	1,689	1,480	0.408	0.422	0.407	0.393	55	701	687	581
6	24	20	181	2,133	2,164	2,203	-	-	-	-	50	-	-	-	-	-	-	-	0	97	97	344	-	3	3	3	-	2	0	8	-	-	-	-	131	2,031	2,065	1,849	0.409	0.436	0.406	0.396	54	885	838	733
6	24	21	178	2,100	2,132	2,170	-	-	-	-	51	-	-	-	-	-	-	-	-	78	78	325	-	3	3	3	-	5	3	5	-	-	-	-	128	2,014	2,047	1,836	0.409	0.435	0.406	0.397	52	876	831	729
6	24	22	171	2,019	2,052	2,091	-	-	-	-	49	-	-	-	-	-	-	-	-	64	64	311	-	3	3	3	-	10	14	6	-	-	-	-	122	1,942	1,970	1,771	0.407	0.422	0.404	0.395	50	820	797	700
6	24	23	157	1,853	1,885	1,922	-	-	-	-	48	-	-	-	-	-	-	-	-	54	54	301	-	3	3	3	-	12	7	4	-	-	-	-	109	1,784	1,821	1,614	0.403	0.421	0.404	0.394	44	751	735	636
6	24	24	165	1,937	1,966	2,000	-	-	-	-	46	-	-	-	-	-	-	-	-	53	53	300	-	3	3	3	-	3	7	15	-	-	-	-	118	1,877	1,903	1,682	0.401	0.424	0.410	0.395	48	795	781	665
6	25	1	130	1,527	1,539	1,558	-	-	-	-	39	-	-	-	-	-	-	-	-	57	57	304	-	3	3	3	-	10	7	3	-	-	-	-	92	1,457	1,473	1,248	0.407	0.428	0.417	0.394	37	624	614	491
6	25	2	121	1,410	1,414	1,424	-	-	-	-	36	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	3	2	1	-	-	-	-	85	1,345	1,350	1,114	0.407	0.429	0.416	0.393	34	577	562	438
6	25	3	115	1,330	1,327	1,329	-	-	-	-	36	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	3	5	1	-	-	-	-	78	1,265	1,260	1,020	0.406	0.430	0.416	0.394	32	544	525	402
6	25	4	111	1,272	1,261	1,256	-	-	-	-	38	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	7	7	1	-	-	-	-	73	1,215	1,204	958	0.406	0.429	0.417	0.393	29	522	502	377
6	25	5	109	1,249	1,231	1,222	-	-	-	-	41	-	-	-	-	-	-	-	1	96	96	343	-	3	3	3	-	9	4	2	-	-	-	-	67	1,141	1,128	873	0.408	0.427	0.416	0.392	27	487	470	342
6	25	6	109	1,245	1,219	1,203	-	-	-	-	47	-	-	-	-	-	-	-	14	900	901	1,150	-	3	3	3	-	(2)	(1)	1	-	-	-	-	48	344	316	49	0.406	0.432	0.415	0.388	20	148	131	19
6	25	7	110	1,250	1,220	1,200	-	-	-	-	47	-	-	-	-	-	-	-	25	1,528	1,536	1,790	-	3	3	3	-	(3)	(3)	1	-	-	-	-	38	(279)	(316)	(593)	0.398	0.410	0.417	0.378	15	(114)	(132)	(224)
6	25	8	116	1,318	1,289	1,272	-	-	-	-	41	-	-	-	-	-	-	-	39	2,052	2,105	2,400	-	3	3	3	-	(3)	(5)	12	-	-	-	-	37	(733)	(813)	(1,143)	0.395	0.545	0.392	0.141	14	(400)	(319)	(162)
6	25	9	126	1,438	1,415	1,404	-	-	-	-	40	-	-	-	-	-	-	-	50	2,394	2,495	2,833	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	37	(955)	(1,077)	(1,416)	0.388	0.022	0.022	0.021	14	(21)	(24)	(30)
6	25	10	137	1,567	1,545	1,537	-	-	-	-	43	-	-	-	-	-	-	-	57	2,603	2,739	3,108	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	37	(1,034)	(1,192)	(1,561)	0.395	0.022	0.022	0.022	15	(23)	(26)	(35)
6	25	11	148	1,693	1,672	1,665	-	-	-	-	39	-	-	-	-	-	-	-	61	2,726	2,884	3,273	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	48	(1,023)	(1,204)	(1,597)	0.397	0.022	0.022	0.022	19	(23)	(27)	(35)
6	25	12	157	1,801	1,783	1,778	-	-	-	-	38	-	-	-	-	-	-	-	62	2,715	2,884	3,282	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	57	(904)	(1,087)	(1,493)	0.392	0.022	0.022	0.022	22	(20)	(24)	(33)
6	25	13	165	1,904	1,890	1,889	-	-	-	-	37	-	-	-	-	-	-	-	61	2,647	2,817	3,217	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	66	(734)	(924)	(1,315)	0.394	0.022	0.022	0.022	26	(16)	(20)	(29)
6	25	14	173	2,003	1,995	1,999	-	-	-	-	37	-	-	-	-	-	-	-	61	2,674	2,838	3,231	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	76	(664)	(837)	(1,224)	0.393	0.022	0.022	0.022	30	(15)	(19)	(27)
6	25	15	182	2,110	2,107	2,116	-	-	-	-	38	-	-	-	-	-	-	-	58	2,594	2,741	3,120	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	87	(471)	(628)	(996)	0.389	0.023	0.022	0.021	34	(11)	(14)	(21)
6	25	16	190	2,208	2,215	2,233	-	-	-	-	37	-	-	-	-	-	-	-	51	2,375	2,494	2,847	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	101	(165)	(280)	(610)	0.397	0.024	0.021	0.021	40	(4)	(6)	(13)
6	25	17	195	2,279	2,297	2,325	-	-	-	-	38	-	-	-	-	-	-	-	41	2,018	2,097	2,415	-	3	3	3	-	(3)	(7)	6	-	-	-	-	116	261	204	(99)	0.406	0.342	0.427	0.258	47	89	87	(26)
6	25	18	195	2,289	2,316	2,353	-	-	-	-	42	-	-	-	-	-	-	-	24	1,305	1,335	1,610	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	129	984	984	741	0.403	0.425	0.412	0.404	52	418	405	299
6	25	19	190	2,234	2,266	2,307	-	-	-	-	48	-	-	-	-	-	-	-	8	535	537	785	-	3	3	3	-	2	4	4	-	-	-	-	134	1,694	1,723	1,514	0.408	0.422	0.407	0.393	55	715	701	595
6	25	20	181	2,132	2,164	2,202	-	-	-	-	50	-	-	-	-	-	-	-	0	57	57	304	-	3	3	3	-	2	0	8	-	-	-	-	131	2,070	2,104	1,888	0.409	0.436	0.406	0.396	54	901	854	748
6	25	21	178	2,096	2,127	2,165	-	-	-	-	51	-	-	-	-	-	-	-	-	64	64	311	-	3	3	3	-	5	3	5	-	-	-	-	128	2,024	2,057	1,846	0.409	0.435	0.406	0.397	52	880	835	733
6	25	22	171	2,018	2,051	2,090	-	-	-	-	49	-	-	-	-	-	-	-	-	62	62	309	-	3	3	3	-	10	14	6	-	-	-	-	122	1,943	1,972	1,772	0.407	0.422	0.404	0.395	50	821	797	700
6	25	23	159	1,870	1,902	1,940	-	-	-	-	48	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	12	7	4	-	-	-	-	111	1,793	1,830	1,623	0.403	0.421	0.404	0.394	45	754	738	640
6	25	24	159	1,866	1,894	1,927	-	-	-	-	46	-	-	-	-	-	-	-	-	55	55	302	-	3	3	3	-	3	7	15	-	-	-	-	113	1,806	1,830	1,607	0.401	0.424	0.410	0.395	45	765	751	636
6	26	1	131	1,533	1,546	1,564	-	-	-	-	39	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	10	7	3	-	-	-	-	92	1,473	1,490	1,265	0.407	0.428	0.417	0.394	38	631	621	498
6	26	2	121	1,411	1,415	1,425	-	-	-	-	36	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	3	2	1	-	-	-	-	85	1,358	1,364	1,127	0.407	0.429	0.416	0.393	35	582	568	443
6	26	3	114	1,321	1,317	1,320	-	-	-	-	36	-	-	-	-	-	-	-	-	40	40	287	-	3	3	3	-	3	5	1	-	-	-	-	78	1,275	1,270	1,029	0.406	0.430	0.416	0.394	32	548	529	406
6	26	4	109	1,259	1,247	1,242	-	-	-	-	38	-	-	-	-	-	-	-	-	26	26	273	-	3	3	3	-	7	7	1	-	-	-	-	71	1,223	1,211	966	0.406	0.429	0.417	0.393	29	525	505	380
6	26	5	107	1,223	1,205	1,194	-	-	-	-	41	-	-	-	-	-	-	-	1	75	75	322	-	3	3	3	-	9	4	2	-	-	-	-	65	1,136	1,123	867	0.408	0.427	0.416	0.392	26	485	467	340
6	26	6	106	1,202	1,175	1,158	-	-	-	-	47	-	-	-	-	-	-	-	14	904	906	1,154	-	3	3	3	-	(2)	(1)	1	-	-	-	-	44	296	268	(0)	0.406	0.432	0.415	0.388	18	128	111	(0)
6	26	7	105	1,191	1,160	1,139	-	-	-	-	47	-	-	-	-	-	-	-	26	1,552	1,559	1,813	-	3	3	3	-	(3)	(3)	1	-	-	-	-	33	(361)	(400)	(678)	0.398	0.410	0.417	0.378	13	(148)	(167)	(256)
6	26	8	110	1,250	1,220	1,201	-	-	-	-	41	-	-	-	-	-	-	-	39	2,058	2,111	2,405	-	3	3	3	-	(3)	(5)	12	-	-	-	-	31	(807)	(889)	(1,219)	0.395	0.545	0.392	0.141	12	(440)	(349)	(172)
6	26	9	120	1,368	1,343	1,331	-	-	-	-	40	-	-	-	-	-	-	-	50	2,401	2,500	2,836	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	31	(1,032)	(1,154)	(1,493)	0.388	0.022	0.022	0.021	12	(23)	(26)	(31)
6	26	10	132	1,511	1,488	1,478	-	-	-	-	43	-	-	-	-	-	-	-	57	2,603	2,737	3,104	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	32	(1,090)	(1,247)	(1,616)	0.395	0.022	0.022	0.022	13	(24)	(28)	(36)
6	26	11	146	1,674	1,653	1,645	-	-	-	-	39	-	-	-	-	-	-	-	60	2,664	2,819	3,204	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	47	(979)	(1,157)	(1,548)	0.397	0.022	0.022	0.022	19	(22)	(26)	(34)
6	26	12	160	1,842	1,825	1,821	-	-	-	-	38	-	-	-	-	-	-	-	61	2,669	2,835	3,231	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	61	(818)	(997)	(1,398)	0.392	0.022	0.022	0.022	24	(18)	(22)	(31)
6	26	13	174	2,009	1,998	2,000	-	-	-	-	37	-	-	-	-	-	-	-	61	2,627	2,795	3,192	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	76	(609)	(793)	(1,179)	0.394	0.022	0.022	0.022	30	(13)	(18)	(26)
6	26	14	187	2,170	2,166	2,174	-	-	-	-	37	-	-	-	-	-	-	-	60	2,645	2,806	3,196	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	91	(467)	(633)	(1,014)	0.393	0.022	0.022	0.022	36	(10)	(14)	(22)
6	26	15	199	2,310	2,311	2,326	-	-	-	-	38	-	-	-	-	-	-	-	57	2,544	2,689	3,066	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	105	(222)	(371)	(733)	0.389	0.023	0.022	0.021	41	(5)	(8)	(15)
6	26	16	207	2,410	2,422	2,445	-	-	-	-	37	-	-	-	-	-	-	-	51	2,376	2,493	2,845	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	119	35	(73)	(396)	0.397	0.024	0.021	0.021	47	1	(2)	(9)
6	26	17	211	2,468	2,490	2,523	-	-	-	-	38	-	-	-	-	-	-	-	40	2,017	2,095	2,412	-	3	3	3	-	(3)	(7)	6	-	-	-	-	133	451	400	103	0.406	0.342	0.427	0.258	54	154	171	27
6	26	18	211	2,481	2,513	2,555	-	-	-	-	42	-	-	-	-	-	-	-	24	1,408	1,438	1,712	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	145	1,073	1,079	841	0.403	0.425	0.412	0.404	58	456	444	340
6	26	19	207	2,436	2,473	2,519	-	-	-	-	48	-	-	-	-	-	-	-	8	613	614	863	-	3	3	3	-	2	4	4	-	-	-	-	150	1,818	1,852	1,648	0.408	0.422	0.407	0.393	61	768	754	647
6	26	20	197	2,320	2,356	2,399	-	-	-	-	50	-	-	-	-	-	-	-	0	90	90	337	-	3	3	3	-	2	0	8	-	-	-	-	147	2,225	2,263	2,052	0.409	0.436	0.406	0.396	60	969	919	813
6	26	21	192	2,259	2,295	2,337	-	-	-	-	51	-	-	-	-	-	-	-	-	74	74	321	-	3	3	3	-	5	3	5	-	-	-	-	141	2,177	2,215	2,008	0.409	0.435	0.406	0.397	58	947	899	797
6	26	22	183	2,155	2,192	2,234	-	-	-	-	49	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	10	14	6	-	-	-	-	133	2,084	2,116	1,920	0.407	0.422	0.404	0.395	54	880	856	759
6	26	23	166	1,958	1,993	2,033	-	-	-	-	48	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	12	7	4	-	-	-	-	118	1,905	1,944	1,740	0.403	0.421	0.404	0.394	48	801	784	686
6	26	24	167	1,961	1,990	2,026	-	-	-	-	46	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	3	7	15	-	-	-	-	120	1,924	1,950	1,731	0.401	0.424	0.410	0.395	48	815	800	684
6	27	1	134	1,571	1,585	1,604	-	-	-	-	39	-	-	-	-	-	-	-	-	31	31	278	-	3	3	3	-	10	7	3	-	-	-	-	95	1,527	1,544	1,321	0.407	0.428	0.417	0.394	39	654	643	520
6	27	2	125	1,452	1,457	1,468	-	-	-	-	36	-	-	-	-	-	-	-	-	34	34	281	-	3	3	3	-	3	2	1	-	-	-	-	88	1,411	1,418	1,182	0.407	0.429	0.416	0.393	36	605	590	465
6	27	3	118	1,372	1,370	1,374	-	-	-	-	36	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	3	5	1	-	-	-	-	82	1,320	1,315	1,076	0.406	0.430	0.416	0.394	33	567	548	424
6	27	4	115	1,322	1,312	1,309	-	-	-	-	38	-	-	-	-	-	-	-	-	48	48	295	-	3	3	3	-	7	7	1	-	-	-	-	77	1,264	1,254	1,010	0.406	0.429	0.417	0.393	31	543	522	397
6	27	5	116	1,327	1,311	1,303	-	-	-	-	41	-	-	-	-	-	-	-	1	101	101	348	-	3	3	3	-	9	4	2	-	-	-	-	73	1,214	1,203	951	0.408	0.427	0.416	0.392	30	519	501	372
6	27	6	120	1,377	1,355	1,342	-	-	-	-	47	-	-	-	-	-	-	-	14	913	915	1,163	-	3	3	3	-	(2)	(1)	1	-	-	-	-	59	463	439	175	0.406	0.432	0.415	0.388	24	200	182	68
6	27	7	128	1,467	1,442	1,428	-	-	-	-	47	-	-	-	-	-	-	-	25	1,573	1,581	1,835	-	3	3	3	-	(3)	(3)	1	-	-	-	-	56	(106)	(138)	(410)	0.398	0.410	0.417	0.378	22	(43)	(58)	(155)
6	27	8	141	1,609	1,586	1,577	-	-	-	-	41	-	-	-	-	-	-	-	39	2,123	2,176	2,470	-	3	3	3	-	(3)	(5)	12	-	-	-	-	60	(514)	(587)	(908)	0.395	0.545	0.392	0.141	24	(280)	(230)	(128)
6	27	9	152	1,749	1,733	1,731	-	-	-	-	40	-	-	-	-	-	-	-	50	2,449	2,548	2,885	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	63	(699)	(812)	(1,142)	0.388	0.022	0.022	0.021	24	(15)	(18)	(24)
6	27	10	166	1,908	1,894	1,895	-	-	-	-	43	-	-	-	-	-	-	-	58	2,678	2,812	3,180	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	65	(768)	(916)	(1,275)	0.395	0.022	0.022	0.022	26	(17)	(20)	(28)
6	27	11	181	2,091	2,080	2,083	-	-	-	-	39	-	-	-	-	-	-	-	60	2,687	2,844	3,232	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	82	(586)	(756)	(1,138)	0.397	0.022	0.022	0.022	33	(13)	(17)	(25)
6	27	12	196	2,266	2,259	2,266	-	-	-	-	38	-	-	-	-	-	-	-	62	2,704	2,871	3,268	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	96	(428)	(599)	(991)	0.392	0.022	0.022	0.022	38	(9)	(13)	(22)
6	27	13	209	2,427	2,426	2,439	-	-	-	-	37	-	-	-	-	-	-	-	61	2,674	2,844	3,243	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	111	(237)	(414)	(792)	0.394	0.022	0.022	0.022	44	(5)	(9)	(18)
6	27	14	223	2,587	2,593	2,612	-	-	-	-	37	-	-	-	-	-	-	-	61	2,705	2,869	3,262	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	125	(110)	(269)	(642)	0.393	0.022	0.022	0.022	49	(2)	(6)	(14)
6	27	15	234	2,721	2,732	2,757	-	-	-	-	38	-	-	-	-	-	-	-	58	2,645	2,792	3,172	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	138	88	(54)	(406)	0.389	0.023	0.022	0.021	54	2	(1)	(8)
6	27	16	242	2,826	2,848	2,882	-	-	-	-	37	-	-	-	-	-	-	-	51	2,434	2,554	2,908	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	153	393	292	(23)	0.397	0.024	0.021	0.021	61	9	6	(0)
6	27	17	244	2,856	2,888	2,931	-	-	-	-	38	-	-	-	-	-	-	-	40	2,028	2,107	2,425	-	3	3	3	-	(3)	(7)	6	-	-	-	-	165	829	785	497	0.406	0.342	0.427	0.258	67	283	336	129
6	27	18	243	2,856	2,898	2,949	-	-	-	-	42	-	-	-	-	-	-	-	24	1,378	1,408	1,683	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	177	1,478	1,492	1,264	0.403	0.425	0.412	0.404	71	628	614	510
6	27	19	233	2,748	2,792	2,846	-	-	-	-	48	-	-	-	-	-	-	-	8	594	596	844	-	3	3	3	-	2	4	4	-	-	-	-	177	2,149	2,190	1,994	0.408	0.422	0.407	0.393	72	907	891	783
6	27	20	224	2,641	2,685	2,737	-	-	-	-	50	-	-	-	-	-	-	-	0	98	98	345	-	3	3	3	-	2	0	8	-	-	-	-	174	2,538	2,584	2,382	0.409	0.436	0.406	0.396	71	1,106	1,049	944
6	27	21	222	2,619	2,663	2,715	-	-	-	-	51	-	-	-	-	-	-	-	-	87	87	334	-	3	3	3	-	5	3	5	-	-	-	-	172	2,524	2,570	2,372	0.409	0.435	0.406	0.397	70	1,097	1,043	941
6	27	22	210	2,479	2,523	2,574	-	-	-	-	49	-	-	-	-	-	-	-	-	78	78	325	-	3	3	3	-	10	14	6	-	-	-	-	161	2,388	2,428	2,240	0.407	0.422	0.404	0.395	65	1,008	982	885
6	27	23	188	2,225	2,266	2,312	-	-	-	-	48	-	-	-	-	-	-	-	-	71	71	318	-	3	3	3	-	12	7	4	-	-	-	-	141	2,139	2,185	1,988	0.403	0.421	0.404	0.394	57	900	882	783
6	27	24	194	2,291	2,328	2,372	-	-	-	-	46	-	-	-	-	-	-	-	-	68	68	315	-	3	3	3	-	3	7	15	-	-	-	-	148	2,217	2,250	2,039	0.401	0.424	0.410	0.395	60	939	924	806
6	28	1	149	1,742	1,760	1,784	-	-	-	-	39	-	-	-	-	-	-	-	-	65	65	312	-	3	3	3	-	10	7	3	-	-	-	-	110	1,664	1,686	1,467	0.407	0.428	0.417	0.394	45	713	702	577
6	28	2	137	1,595	1,604	1,618	-	-	-	-	36	-	-	-	-	-	-	-	-	52	52	299	-	3	3	3	-	3	2	1	-	-	-	-	100	1,537	1,546	1,315	0.407	0.429	0.416	0.393	41	659	644	517
6	28	3	128	1,488	1,488	1,495	-	-	-	-	36	-	-	-	-	-	-	-	-	56	56	303	-	3	3	3	-	3	5	1	-	-	-	-	92	1,426	1,424	1,188	0.406	0.430	0.416	0.394	37	613	593	469
6	28	4	123	1,419	1,411	1,411	-	-	-	-	38	-	-	-	-	-	-	-	-	56	56	303	-	3	3	3	-	7	7	1	-	-	-	-	85	1,353	1,345	1,104	0.406	0.429	0.417	0.393	35	581	560	434
6	28	5	122	1,402	1,388	1,382	-	-	-	-	41	-	-	-	-	-	-	-	1	112	112	359	-	3	3	3	-	9	4	2	-	-	-	-	80	1,279	1,269	1,019	0.408	0.427	0.416	0.392	32	546	528	399
6	28	6	126	1,443	1,422	1,411	-	-	-	-	47	-	-	-	-	-	-	-	14	950	951	1,199	-	3	3	3	-	(2)	(1)	1	-	-	-	-	64	493	470	208	0.406	0.432	0.415	0.388	26	213	195	81
6	28	7	135	1,540	1,517	1,505	-	-	-	-	47	-	-	-	-	-	-	-	25	1,562	1,570	1,824	-	3	3	3	-	(3)	(3)	1	-	-	-	-	62	(22)	(53)	(322)	0.398	0.410	0.417	0.378	25	(9)	(22)	(122)
6	28	8	145	1,665	1,644	1,636	-	-	-	-	41	-	-	-	-	-	-	-	38	2,077	2,129	2,423	-	3	3	3	-	(3)	(5)	12	-	-	-	-	66	(412)	(483)	(802)	0.395	0.545	0.392	0.141	26	(224)	(190)	(113)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
6	28	9	157	1,803	1,788	1,787	-	-	-	-	40	-	-	-	-	-	-	-	50	2,445	2,544	2,881	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	67	(641)	(753)	(1,081)	0.388	0.022	0.022	0.021	26	(14)	(17)	(23)
6	28	10	170	1,963	1,950	1,952	-	-	-	-	43	-	-	-	-	-	-	-	57	2,654	2,788	3,155	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	70	(689)	(836)	(1,192)	0.395	0.022	0.022	0.022	28	(15)	(18)	(26)
6	28	11	185	2,134	2,124	2,128	-	-	-	-	39	-	-	-	-	-	-	-	60	2,713	2,868	3,254	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	86	(569)	(736)	(1,115)	0.397	0.022	0.022	0.022	34	(13)	(16)	(25)
6	28	12	197	2,276	2,269	2,276	-	-	-	-	38	-	-	-	-	-	-	-	60	2,634	2,797	3,189	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	99	(348)	(514)	(902)	0.392	0.022	0.022	0.022	39	(8)	(11)	(20)
6	28	13	206	2,384	2,382	2,394	-	-	-	-	37	-	-	-	-	-	-	-	61	2,675	2,844	3,243	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	107	(281)	(458)	(837)	0.394	0.022	0.022	0.022	42	(6)	(10)	(19)
6	28	14	214	2,487	2,490	2,507	-	-	-	-	37	-	-	-	-	-	-	-	61	2,708	2,870	3,262	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	117	(214)	(373)	(747)	0.393	0.022	0.022	0.022	46	(5)	(8)	(16)
6	28	15	222	2,581	2,589	2,610	-	-	-	-	38	-	-	-	-	-	-	-	58	2,636	2,782	3,160	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	127	(43)	(187)	(541)	0.389	0.023	0.022	0.021	49	(1)	(4)	(11)
6	28	16	228	2,664	2,682	2,713	-	-	-	-	37	-	-	-	-	-	-	-	51	2,433	2,552	2,905	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	140	233	129	(189)	0.397	0.024	0.021	0.021	56	5	3	(4)
6	28	17	228	2,669	2,696	2,734	-	-	-	-	38	-	-	-	-	-	-	-	41	2,064	2,143	2,460	-	3	3	3	-	(3)	(7)	6	-	-	-	-	149	605	557	265	0.406	0.342	0.427	0.258	60	207	238	69
6	28	18	223	2,615	2,650	2,695	-	-	-	-	42	-	-	-	-	-	-	-	24	1,352	1,383	1,658	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	157	1,262	1,271	1,036	0.403	0.425	0.412	0.404	63	536	523	418
6	28	19	215	2,531	2,571	2,619	-	-	-	-	48	-	-	-	-	-	-	-	7	499	500	748	-	3	3	3	-	2	4	4	-	-	-	-	160	2,028	2,064	1,863	0.408	0.422	0.407	0.393	65	856	840	732
6	28	20	206	2,428	2,466	2,512	-	-	-	-	50	-	-	-	-	-	-	-	0	89	89	336	-	3	3	3	-	2	0	8	-	-	-	-	156	2,333	2,374	2,166	0.409	0.436	0.406	0.396	64	1,016	964	858
6	28	21	202	2,381	2,420	2,465	-	-	-	-	51	-	-	-	-	-	-	-	-	83	83	330	-	3	3	3	-	5	3	5	-	-	-	-	152	2,290	2,330	2,127	0.409	0.435	0.406	0.397	62	996	946	844
6	28	22	193	2,274	2,313	2,359	-	-	-	-	49	-	-	-	-	-	-	-	-	72	72	319	-	3	3	3	-	10	14	6	-	-	-	-	143	2,189	2,224	2,031	0.407	0.422	0.404	0.395	58	925	900	803
6	28	23	174	2,054	2,091	2,133	-	-	-	-	48	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	12	7	4	-	-	-	-	126	1,982	2,023	1,821	0.403	0.421	0.404	0.394	51	834	816	718
6	28	24	187	2,205	2,240	2,282	-	-	-	-	46	-	-	-	-	-	-	-	-	57	57	304	-	3	3	3	-	3	7	15	-	-	-	-	141	2,142	2,173	1,960	0.401	0.424	0.410	0.395	57	907	892	775
6	29	1	139	1,625	1,640	1,661	-	-	-	-	39	-	-	-	-	-	-	-	-	58	58	305	-	3	3	3	-	10	7	3	-	-	-	-	100	1,554	1,573	1,351	0.407	0.428	0.417	0.394	41	666	655	532
6	29	2	128	1,491	1,497	1,509	-	-	-	-	36	-	-	-	-	-	-	-	-	57	57	304	-	3	3	3	-	3	2	1	-	-	-	-	92	1,428	1,435	1,200	0.407	0.429	0.416	0.393	37	612	597	472
6	29	3	121	1,400	1,398	1,402	-	-	-	-	36	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	3	5	1	-	-	-	-	84	1,335	1,331	1,093	0.406	0.430	0.416	0.394	34	574	555	431
6	29	4	116	1,338	1,328	1,325	-	-	-	-	38	-	-	-	-	-	-	-	-	64	64	311	-	3	3	3	-	7	7	1	-	-	-	-	78	1,264	1,254	1,011	0.406	0.429	0.417	0.393	32	543	523	397
6	29	5	116	1,327	1,311	1,303	-	-	-	-	41	-	-	-	-	-	-	-	1	118	118	365	-	3	3	3	-	9	4	2	-	-	-	-	73	1,197	1,186	933	0.408	0.427	0.416	0.392	30	511	494	365
6	29	6	120	1,377	1,355	1,342	-	-	-	-	47	-	-	-	-	-	-	-	14	913	914	1,163	-	3	3	3	-	(2)	(1)	1	-	-	-	-	60	464	439	176	0.406	0.432	0.415	0.388	24	200	182	68
6	29	7	129	1,468	1,444	1,430	-	-	-	-	47	-	-	-	-	-	-	-	25	1,549	1,556	1,810	-	3	3	3	-	(3)	(3)	1	-	-	-	-	57	(81)	(113)	(384)	0.398	0.410	0.417	0.378	23	(33)	(47)	(145)
6	29	8	140	1,602	1,579	1,569	-	-	-	-	41	-	-	-	-	-	-	-	39	2,102	2,155	2,448	-	3	3	3	-	(3)	(5)	12	-	-	-	-	60	(500)	(573)	(894)	0.395	0.545	0.392	0.141	24	(273)	(225)	(126)
6	29	9	153	1,756	1,740	1,738	-	-	-	-	40	-	-	-	-	-	-	-	50	2,453	2,552	2,888	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	64	(696)	(809)	(1,137)	0.388	0.022	0.022	0.021	25	(15)	(18)	(24)
6	29	10	166	1,914	1,900	1,901	-	-	-	-	43	-	-	-	-	-	-	-	57	2,671	2,804	3,171	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	66	(755)	(902)	(1,260)	0.395	0.022	0.022	0.022	26	(17)	(20)	(28)
6	29	11	181	2,089	2,079	2,082	-	-	-	-	39	-	-	-	-	-	-	-	60	2,700	2,855	3,242	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	82	(599)	(768)	(1,149)	0.397	0.022	0.022	0.022	33	(13)	(17)	(25)
6	29	12	195	2,259	2,252	2,259	-	-	-	-	38	-	-	-	-	-	-	-	61	2,732	2,898	3,294	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	96	(463)	(633)	(1,023)	0.392	0.022	0.022	0.022	38	(10)	(14)	(23)
6	29	13	208	2,407	2,406	2,417	-	-	-	-	37	-	-	-	-	-	-	-	61	2,673	2,841	3,238	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	110	(257)	(432)	(808)	0.394	0.022	0.022	0.022	43	(6)	(10)	(18)
6	29	14	219	2,543	2,548	2,566	-	-	-	-	37	-	-	-	-	-	-	-	60	2,680	2,841	3,233	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	123	(130)	(287)	(659)	0.393	0.022	0.022	0.022	48	(3)	(6)	(14)
6	29	15	226	2,634	2,643	2,665	-	-	-	-	38	-	-	-	-	-	-	-	57	2,634	2,779	3,157	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	131	11	(130)	(483)	0.389	0.023	0.022	0.021	51	0	(3)	(10)
6	29	16	232	2,706	2,725	2,757	-	-	-	-	37	-	-	-	-	-	-	-	51	2,446	2,564	2,916	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	144	261	160	(156)	0.397	0.024	0.021	0.021	57	6	3	(3)
6	29	17	233	2,732	2,761	2,800	-	-	-	-	38	-	-	-	-	-	-	-	41	2,090	2,167	2,483	-	3	3	3	-	(3)	(7)	6	-	-	-	-	154	642	598	308	0.406	0.342	0.427	0.258	63	220	256	80
6	29	18	230	2,707	2,745	2,792	-	-	-	-	42	-	-	-	-	-	-	-	23	1,352	1,381	1,655	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	165	1,355	1,367	1,135	0.403	0.425	0.412	0.404	66	576	562	458
6	29	19	223	2,627	2,669	2,719	-	-	-	-	48	-	-	-	-	-	-	-	8	574	576	824	-	3	3	3	-	2	4	4	-	-	-	-	167	2,048	2,086	1,888	0.408	0.422	0.407	0.393	68	865	849	741
6	29	20	213	2,503	2,543	2,591	-	-	-	-	50	-	-	-	-	-	-	-	0	88	88	335	-	3	3	3	-	2	0	8	-	-	-	-	162	2,410	2,452	2,246	0.409	0.436	0.406	0.396	66	1,050	996	890
6	29	21	206	2,433	2,472	2,519	-	-	-	-	51	-	-	-	-	-	-	-	-	63	63	310	-	3	3	3	-	5	3	5	-	-	-	-	156	2,361	2,403	2,201	0.409	0.435	0.406	0.397	64	1,027	975	873
6	29	22	195	2,306	2,346	2,393	-	-	-	-	49	-	-	-	-	-	-	-	-	46	46	293	-	3	3	3	-	10	14	6	-	-	-	-	146	2,247	2,283	2,091	0.407	0.422	0.404	0.395	60	949	923	826
6	29	23	175	2,068	2,105	2,148	-	-	-	-	48	-	-	-	-	-	-	-	-	43	43	290	-	3	3	3	-	12	7	4	-	-	-	-	127	2,011	2,053	1,851	0.403	0.421	0.404	0.394	51	846	828	730
6	29	24	190	2,236	2,272	2,314	-	-	-	-	46	-	-	-	-	-	-	-	-	41	41	288	-	3	3	3	-	3	7	15	-	-	-	-	144	2,189	2,222	2,009	0.401	0.424	0.410	0.395	58	927	912	794
6	30	1	132	1,542	1,556	1,574	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	3	3	3	-	10	7	3	-	-	-	-	93	1,490	1,507	1,283	0.407	0.428	0.417	0.394	38	638	628	505
6	30	2	121	1,410	1,414	1,424	-	-	-	-	36	-	-	-	-	-	-	-	-	42	42	289	-	3	3	3	-	3	2	1	-	-	-	-	85	1,362	1,367	1,130	0.407	0.429	0.416	0.393	34	584	569	445
6	30	3	114	1,316	1,312	1,315	-	-	-	-	36	-	-	-	-	-	-	-	-	47	47	294	-	3	3	3	-	3	5	1	-	-	-	-	77	1,263	1,257	1,017	0.406	0.430	0.416	0.394	31	543	524	401
6	30	4	109	1,258	1,246	1,241	-	-	-	-	38	-	-	-	-	-	-	-	-	49	49	296	-	3	3	3	-	7	7	1	-	-	-	-	71	1,199	1,187	941	0.406	0.429	0.417	0.393	29	515	495	370
6	30	5	108	1,242	1,224	1,214	-	-	-	-	41	-	-	-	-	-	-	-	1	102	102	349	-	3	3	3	-	9	4	2	-	-	-	-	66	1,128	1,115	860	0.408	0.427	0.416	0.392	27	482	464	337
6	30	6	112	1,274	1,250	1,234	-	-	-	-	47	-	-	-	-	-	-	-	14	905	906	1,154	-	3	3	3	-	(2)	(1)	1	-	-	-	-	51	369	342	76	0.406	0.432	0.415	0.388	21	159	142	29
6	30	7	119	1,360	1,333	1,316	-	-	-	-	47	-	-	-	-	-	-	-	25	1,556	1,564	1,817	-	3	3	3	-	(3)	(3)	1	-	-	-	-	48	(196)	(231)	(505)	0.398	0.410	0.417	0.378	19	(80)	(96)	(191)
6	30	8	130	1,484	1,459	1,446	-	-	-	-	41	-	-	-	-	-	-	-	38	2,070	2,122	2,416	-	3	3	3	-	(3)	(5)	12	-	-	-	-	51	(585)	(661)	(985)	0.395	0.545	0.392	0.141	20	(319)	(259)	(139)
6	30	9	141	1,621	1,601	1,596	-	-	-	-	40	-	-	-	-	-	-	-	49	2,446	2,545	2,881	-	3	3	3	-	(4)	(7)	(15)	-	-	-	-	53	(825)	(940)	(1,273)	0.388	0.022	0.022	0.021	20	(18)	(21)	(27)
6	30	10	153	1,754	1,737	1,733	-	-	-	-	43	-	-	-	-	-	-	-	56	2,610	2,744	3,111	-	3	3	3	-	(5)	(5)	(13)	-	-	-	-	54	(853)	(1,005)	(1,367)	0.395	0.022	0.022	0.022	21	(19)	(22)	(30)
6	30	11	165	1,893	1,877	1,875	-	-	-	-	39	-	-	-	-	-	-	-	60	2,674	2,830	3,216	-	3	3	3	-	(14)	(11)	(14)	-	-	-	-	66	(770)	(944)	(1,330)	0.397	0.022	0.022	0.022	26	(17)	(21)	(29)
6	30	12	175	2,016	2,003	2,003	-	-	-	-	38	-	-	-	-	-	-	-	61	2,671	2,838	3,233	-	3	3	3	-	(13)	(16)	(14)	-	-	-	-	77	(645)	(821)	(1,219)	0.392	0.022	0.022	0.022	30	(14)	(18)	(27)
6	30	13	184	2,127	2,119	2,123	-	-	-	-	37	-	-	-	-	-	-	-	60	2,644	2,813	3,210	-	3	3	3	-	(13)	(6)	(15)	-	-	-	-	86	(508)	(690)	(1,074)	0.394	0.022	0.022	0.022	34	(11)	(15)	(24)
6	30	14	193	2,239	2,237	2,246	-	-	-	-	37	-	-	-	-	-	-	-	60	2,652	2,814	3,206	-	3	3	3	-	(10)	(9)	(11)	-	-	-	-	97	(405)	(571)	(951)	0.393	0.022	0.022	0.022	38	(9)	(13)	(21)
6	30	15	200	2,324	2,326	2,340	-	-	-	-	38	-	-	-	-	-	-	-	57	2,575	2,721	3,099	-	3	3	3	-	(15)	(9)	(11)	-	-	-	-	106	(239)	(389)	(751)	0.389	0.023	0.022	0.021	41	(6)	(8)	(16)
6	30	16	204	2,380	2,391	2,414	-	-	-	-	37	-	-	-	-	-	-	-	49	2,304	2,420	2,771	-	3	3	3	-	(4)	(1)	(7)	-	-	-	-	118	78	(31)	(354)	0.397	0.024	0.021	0.021	47	2	(1)	(8)
6	30	17	205	2,396	2,417	2,447	-	-	-	-	38	-	-	-	-	-	-	-	38	1,893	1,970	2,285	-	3	3	3	-	(3)	(7)	6	-	-	-	-	129	502	451	154	0.406	0.342	0.427	0.258	52	172	193	40
6	30	18	203	2,381	2,410	2,449	-	-	-	-	42	-	-	-	-	-	-	-	23	1,290	1,319	1,592	-	3	3	3	-	(2)	(6)	(1)	-	-	-	-	138	1,091	1,095	856	0.403	0.425	0.412	0.404	56	463	451	345
6	30	19	196	2,307	2,341	2,383	-	-	-	-	48	-	-	-	-	-	-	-	8	546	547	796	-	3	3	3	-	2	4	4	-	-	-	-	140	1,756	1,787	1,580	0.408	0.422	0.407	0.393	57	742	727	620
6	30	20	187	2,196	2,228	2,269	-	-	-	-	50	-	-	-	-	-	-	-	0	83	83	330	-	3	3	3	-	2	0	8	-	-	-	-	136	2,108	2,143	1,928	0.409	0.436	0.406	0.396	56	918	870	764
6	30	21	181	2,132	2,165	2,204	-	-	-	-	51	-	-	-	-	-	-	-	-	75	75	322	-	3	3	3	-	5	3	5	-	-	-	-	131	2,050	2,084	1,874	0.409	0.435	0.406	0.397	53	891	846	744
6	30	22	172	2,025	2,058	2,098	-	-	-	-	49	-	-	-	-	-	-	-	-	59	59	306	-	3	3	3	-	10	14	6	-	-	-	-	122	1,953	1,982	1,783	0.407	0.422	0.404	0.395	50	825	802	704
6	30	23	155	1,834	1,866	1,902	-	-	-	-	48	-	-	-	-	-	-	-	-	52	52	299	-	3	3	3	-	12	7	4	-	-	-	-	108	1,767	1,803	1,596	0.403	0.421	0.404	0.394	43	743	728	629
6	30	24	167	1,963	1,993	2,028	-	-	-	-	46	-	-	-	-	-	-	-	-	56	56	303	-	3	3	3	-	3	7	15	-	-	-	-	121	1,902	1,928	1,708	0.401	0.424	0.410	0.395	48	806	791	675
7	1	1	132	1,546	1,558	1,576	-	-	-	-	28	-	-	-	-	-	-	-	-	58	58	305	-	5	5	5	-	4	4	1	-	-	-	-	104	1,479	1,491	1,265	0.364	0.371	0.382	0.364	38	548	570	460
7	1	2	123	1,426	1,430	1,439	-	-	-	-	27	-	-	-	-	-	-	-	-	54	54	301	-	5	5	5	-	7	7	-	-	-	-	-	96	1,360	1,363	1,133	0.364	0.369	0.381	0.364	35	501	520	412
7	1	3	116	1,342	1,338	1,340	-	-	-	-	26	-	-	-	-	-	-	-	-	54	54	301	-	5	5	5	-	12	8	-	-	-	-	-	90	1,272	1,271	1,035	0.367	0.365	0.378	0.364	33	464	481	376
7	1	4	112	1,288	1,276	1,272	-	-	-	-	30	-	-	-	-	-	-	-	-	45	45	292	-	5	5	5	-	18	8	-	-	-	-	-	82	1,221	1,218	975	0.365	0.371	0.384	0.364	30	452	468	355
7	1	5	112	1,280	1,262	1,252	-	-	-	-	43	-	-	-	-	-	-	-	1	75	75	322	-	5	5	5	-	4	(3)	8	-	-	-	-	69	1,196	1,186	917	0.364	0.378	0.386	0.364	25	452	457	334
7	1	6	116	1,325	1,302	1,287	-	-	-	-	47	-	-	-	-	-	-	-	12	754	755	1,004	-	5	5	5	-	12	8	(4)	-	-	-	-	58	555	534	283	0.368	0.374	0.383	0.364	21	207	204	103
7	1	7	123	1,400	1,373	1,356	-	-	-	-	46	-	-	-	-	-	-	-	23	1,426	1,434	1,688	-	5	5	5	-	(4)	(2)	-	-	-	-	-	54	(26)	(63)	(337)	0.372	0.359	0.375	0.370	20	(9)	(24)	(125)
7	1	8	133	1,516	1,490	1,478	-	-	-	-	37	-	-	-	-	-	-	-	35	1,834	1,885	2,178	-	5	5	5	-	(4)	(2)	-	-	-	-	-	61	(320)	(398)	(705)	0.370	0.381	0.365	0.386	23	(122)	(145)	(272)
7	1	9	144	1,647	1,626	1,620	-	-	-	-	44	-	-	-	-	-	-	-	47	2,279	2,376	2,710	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	52	(620)	(742)	(1,094)	0.367	0.384	0.384	0.000	19	(238)	(285)	-
7	1	10	156	1,795	1,776	1,773	-	-	-	-	41	-	-	-	-	-	-	-	54	2,476	2,607	2,970	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	61	(670)	(819)	(1,191)	0.367	0.384	0.384	0.000	23	(257)	(314)	-
7	1	11	169	1,940	1,923	1,921	-	-	-	-	41	-	-	-	-	-	-	-	58	2,567	2,718	3,100	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	70	(616)	(783)	(1,168)	0.367	0.384	0.384	0.000	26	(237)	(301)	-
7	1	12	179	2,057	2,043	2,042	-	-	-	-	40	-	-	-	-	-	-	-	59	2,541	2,703	3,095	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	80	(472)	(648)	(1,042)	0.367	0.384	0.384	0.000	29	(181)	(249)	-
7	1	13	186	2,146	2,136	2,138	-	-	-	-	37	-	-	-	-	-	-	-	59	2,542	2,706	3,099	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	90	(389)	(566)	(950)	0.364	0.384	0.384	0.000	33	(149)	(217)	-
7	1	14	194	2,240	2,233	2,239	-	-	-	-	45	-	-	-	-	-	-	-	58	2,520	2,678	3,066	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	91	(276)	(440)	(821)	0.366	0.384	0.384	0.000	33	(106)	(169)	-
7	1	15	200	2,315	2,312	2,321	-	-	-	-	39	-	-	-	-	-	-	-	54	2,430	2,573	2,947	-	5	5	5	-	(1)	-	0	-	-	-	-	106	(119)	(266)	(631)	0.365	0.384	0.380	0.000	39	(46)	(101)	-
7	1	16	205	2,388	2,394	2,412	-	-	-	-	37	-	-	-	-	-	-	-	49	2,306	2,423	2,775	-	5	5	5	-	(1)	(2)	0	-	-	-	-	119	78	(33)	(368)	0.374	0.384	0.384	0.386	45	30	(12)	(142)
7	1	17	208	2,425	2,441	2,469	-	-	-	-	40	-	-	-	-	-	-	-	38	1,882	1,959	2,275	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	130	540	479	189	0.384	0.359	0.370	0.376	50	194	177	71
7	1	18	206	2,410	2,436	2,472	-	-	-	-	43	-	-	-	-	-	-	-	24	1,353	1,384	1,659	-	5	5	5	-	(2)	(0)	-	-	-	-	-	139	1,054	1,047	808	0.386	0.382	0.387	0.373	53	402	405	302
7	1	19	197	2,318	2,349	2,388	-	-	-	-	47	-	-	-	-	-	-	-	8	592	594	842	-	5	5	5	-	(5)	(1)	7	-	-	-	-	142	1,726	1,751	1,534	0.388	0.394	0.389	0.385	55	680	682	590
7	1	20	186	2,185	2,215	2,251	-	-	-	-	45	-	-	-	-	-	-	-	0	91	91	338	-	5	5	5	-	14	9	10	-	-	-	-	141	2,076	2,111	1,899	0.388	0.405	0.400	0.389	55	842	844	739
7	1	21	181	2,128	2,157	2,194	-	-	-	-	45	-	-	-	-	-	-	-	-	72	72	319	-	5	5	5	-	-	9	5	-	-	-	-	136	2,051	2,072	1,865	0.387	0.401	0.396	0.388	53	822	820	724
7	1	22	173	2,032	2,065	2,103	-	-	-	-	46	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	2	5	5	-	-	-	-	127	1,971	2,000	1,791	0.381	0.396	0.391	0.383	48	782	783	685
7	1	23	158	1,866	1,897	1,933	-	-	-	-	44	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	4	1	6	-	-	-	-	114	1,810	1,844	1,627	0.373	0.390	0.385	0.376	43	705	710	611
7	1	24	171	2,007	2,037	2,073	-	-	-	-	40	-	-	-	-	-	-	-	-	45	45	292	-	5	5	5	-	1	4	5	-	-	-	-	131	1,956	1,983	1,771	0.364	0.380	0.384	0.364	48	744	761	644
7	2	1	131	1,528	1,540	1,557	-	-	-	-	28	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	4	4	1	-	-	-	-	103	1,474	1,485	1,258	0.364	0.371	0.382	0.364	38	546	568	458
7	2	2	121	1,413	1,416	1,426	-	-	-	-	27	-	-	-	-	-	-	-	-	44	44	291	-	5	5	5	-	7	7	-	-	-	-	-	95	1,357	1,360	1,130	0.364	0.369	0.381	0.364	34	501	519	411
7	2	3	115	1,328	1,323	1,325	-	-	-	-	26	-	-	-	-	-	-	-	-	44	44	291	-	5	5	5	-	12	8	-	-	-	-	-	89	1,268	1,267	1,030	0.367	0.365	0.378	0.364	33	463	479	375
7	2	4	111	1,273	1,260	1,256	-	-	-	-	30	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	18	8	-	-	-	-	-	81	1,208	1,206	962	0.365	0.371	0.384	0.364	30	448	463	350
7	2	5	108	1,240	1,221	1,210	-	-	-	-	43	-	-	-	-	-	-	-	1	83	83	330	-	5	5	5	-	4	(3)	8	-	-	-	-	65	1,148	1,137	867	0.364	0.378	0.386	0.364	24	434	439	315
7	2	6	108	1,230	1,205	1,188	-	-	-	-	47	-	-	-	-	-	-	-	13	847	848	1,096	-	5	5	5	-	12	8	(4)	-	-	-	-	48	367	343	90	0.368	0.374	0.383	0.364	18	137	132	33
7	2	7	109	1,231	1,200	1,179	-	-	-	-	46	-	-	-	-	-	-	-	24	1,485	1,492	1,745	-	5	5	5	-	(4)	(2)	-	-	-	-	-	39	(255)	(295)	(571)	0.372	0.359	0.375	0.370	14	(91)	(110)	(211)
7	2	8	113	1,287	1,256	1,238	-	-	-	-	37	-	-	-	-	-	-	-	37	1,972	2,022	2,314	-	5	5	5	-	(4)	(2)	-	-	-	-	-	40	(686)	(769)	(1,081)	0.370	0.381	0.365	0.386	15	(261)	(280)	(417)
7	2	9	123	1,396	1,370	1,358	-	-	-	-	44	-	-	-	-	-	-	-	47	2,334	2,430	2,763	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	31	(925)	(1,052)	(1,410)	0.367	0.384	0.384	0.000	11	(355)	(404)	-
7	2	10	133	1,514	1,490	1,479	-	-	-	-	41	-	-	-	-	-	-	-	54	2,515	2,646	3,009	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	38	(989)	(1,145)	(1,523)	0.367	0.384	0.384	0.000	14	(380)	(439)	-
7	2	11	143	1,631	1,607	1,597	-	-	-	-	41	-	-	-	-	-	-	-	58	2,608	2,759	3,142	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	43	(965)	(1,140)	(1,533)	0.367	0.384	0.384	0.000	16	(371)	(438)	-
7	2	12	152	1,741	1,720	1,711	-	-	-	-	40	-	-	-	-	-	-	-	59	2,601	2,763	3,156	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	53	(848)	(1,032)	(1,434)	0.367	0.384	0.384	0.000	19	(326)	(396)	-
7	2	13	160	1,841	1,823	1,818	-	-	-	-	37	-	-	-	-	-	-	-	59	2,596	2,761	3,156	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	64	(749)	(934)	(1,327)	0.364	0.384	0.384	0.000	23	(287)	(359)	-
7	2	14	167	1,924	1,910	1,908	-	-	-	-	45	-	-	-	-	-	-	-	58	2,572	2,730	3,120	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	64	(644)	(816)	(1,206)	0.366	0.384	0.384	0.000	24	(247)	(313)	-
7	2	15	173	1,991	1,981	1,983	-	-	-	-	39	-	-	-	-	-	-	-	55	2,498	2,642	3,017	-	5	5	5	-	(1)	-	0	-	-	-	-	78	(511)	(666)	(1,040)	0.365	0.384	0.380	0.000	29	(196)	(253)	-
7	2	16	177	2,054	2,052	2,062	-	-	-	-	37	-	-	-	-	-	-	-	49	2,309	2,426	2,778	-	5	5	5	-	(1)	(2)	0	-	-	-	-	91	(260)	(377)	(721)	0.374	0.384	0.384	0.386	34	(100)	(145)	(278)
7	2	17	180	2,091	2,100	2,119	-	-	-	-	40	-	-	-	-	-	-	-	37	1,829	1,906	2,223	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	103	259	190	(108)	0.384	0.359	0.370	0.376	39	93	70	(41)
7	2	18	179	2,096	2,115	2,143	-	-	-	-	43	-	-	-	-	-	-	-	22	1,235	1,265	1,539	-	5	5	5	-	(2)	(0)	-	-	-	-	-	114	858	845	599	0.386	0.382	0.387	0.373	44	327	327	224
7	2	19	175	2,049	2,074	2,107	-	-	-	-	47	-	-	-	-	-	-	-	7	521	523	771	-	5	5	5	-	(5)	(1)	7	-	-	-	-	121	1,528	1,548	1,323	0.388	0.394	0.389	0.385	47	602	602	509

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	2	20	167	1,965	1,989	2,020	-	-	-	-	45	-	-	-	-	-	-	-	0	81	81	328	-	5	5	5	-	14	9	10	-	-	-	-	122	1,865	1,894	1,677	0.388	0.405	0.400	0.389	48	756	757	652
7	2	21	165	1,937	1,962	1,994	-	-	-	-	45	-	-	-	-	-	-	-	-	68	68	315	-	5	5	5	-	-	9	5	-	-	-	-	120	1,864	1,881	1,669	0.387	0.401	0.396	0.388	46	747	744	648
7	2	22	160	1,879	1,907	1,941	-	-	-	-	46	-	-	-	-	-	-	-	-	52	52	299	-	5	5	5	-	2	5	5	-	-	-	-	114	1,820	1,845	1,632	0.381	0.396	0.391	0.383	43	721	722	625
7	2	23	148	1,746	1,774	1,807	-	-	-	-	44	-	-	-	-	-	-	-	-	37	37	284	-	5	5	5	-	4	1	6	-	-	-	-	104	1,700	1,731	1,511	0.373	0.390	0.385	0.376	39	663	666	568
7	2	24	152	1,785	1,810	1,840	-	-	-	-	40	-	-	-	-	-	-	-	-	35	35	282	-	5	5	5	-	1	4	5	-	-	-	-	112	1,744	1,766	1,548	0.364	0.380	0.384	0.364	41	663	677	563
7	3	1	123	1,435	1,445	1,459	-	-	-	-	28	-	-	-	-	-	-	-	-	37	37	284	-	5	5	5	-	4	4	1	-	-	-	-	95	1,390	1,399	1,170	0.364	0.371	0.382	0.364	35	515	535	426
7	3	2	114	1,325	1,327	1,334	-	-	-	-	27	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	7	7	-	-	-	-	-	87	1,274	1,275	1,043	0.364	0.369	0.381	0.364	32	470	486	380
7	3	3	108	1,247	1,240	1,240	-	-	-	-	26	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	12	8	-	-	-	-	-	82	1,195	1,192	953	0.367	0.365	0.378	0.364	30	436	451	347
7	3	4	104	1,195	1,181	1,174	-	-	-	-	30	-	-	-	-	-	-	-	-	32	32	279	-	5	5	5	-	18	8	-	-	-	-	-	74	1,140	1,136	890	0.365	0.371	0.384	0.364	27	423	436	324
7	3	5	102	1,166	1,145	1,132	-	-	-	-	43	-	-	-	-	-	-	-	1	73	73	320	-	5	5	5	-	4	(3)	8	-	-	-	-	59	1,085	1,071	800	0.364	0.378	0.386	0.364	21	410	413	291
7	3	6	102	1,156	1,129	1,110	-	-	-	-	47	-	-	-	-	-	-	-	13	829	831	1,079	-	5	5	5	-	12	8	(4)	-	-	-	-	42	310	285	30	0.368	0.374	0.383	0.364	16	116	109	11
7	3	7	102	1,148	1,116	1,093	-	-	-	-	46	-	-	-	-	-	-	-	24	1,496	1,502	1,755	-	5	5	5	-	(4)	(2)	-	-	-	-	-	32	(348)	(389)	(667)	0.372	0.359	0.375	0.370	12	(125)	(146)	(247)
7	3	8	105	1,191	1,159	1,138	-	-	-	-	37	-	-	-	-	-	-	-	37	1,983	2,033	2,325	-	5	5	5	-	(4)	(2)	-	-	-	-	-	31	(793)	(878)	(1,193)	0.370	0.381	0.365	0.386	12	(302)	(320)	(460)
7	3	9	112	1,270	1,241	1,225	-	-	-	-	44	-	-	-	-	-	-	-	48	2,306	2,402	2,735	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	20	(1,023)	(1,154)	(1,515)	0.367	0.384	0.384	0.000	7	(393)	(443)	-
7	3	10	120	1,359	1,331	1,316	-	-	-	-	41	-	-	-	-	-	-	-	54	2,484	2,615	2,979	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	24	(1,113)	(1,272)	(1,656)	0.367	0.384	0.384	0.000	9	(427)	(489)	-
7	3	11	128	1,456	1,429	1,414	-	-	-	-	41	-	-	-	-	-	-	-	58	2,536	2,688	3,070	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	29	(1,068)	(1,248)	(1,645)	0.367	0.384	0.384	0.000	11	(410)	(479)	-
7	3	12	135	1,542	1,515	1,501	-	-	-	-	40	-	-	-	-	-	-	-	59	2,540	2,702	3,094	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	36	(987)	(1,175)	(1,581)	0.367	0.384	0.384	0.000	13	(379)	(451)	-
7	3	13	141	1,620	1,597	1,586	-	-	-	-	37	-	-	-	-	-	-	-	59	2,539	2,702	3,095	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	46	(912)	(1,100)	(1,497)	0.364	0.384	0.384	0.000	17	(350)	(423)	-
7	3	14	147	1,692	1,673	1,665	-	-	-	-	45	-	-	-	-	-	-	-	57	2,486	2,644	3,031	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	45	(791)	(966)	(1,360)	0.366	0.384	0.384	0.000	17	(304)	(371)	-
7	3	15	153	1,757	1,741	1,737	-	-	-	-	39	-	-	-	-	-	-	-	54	2,357	2,499	2,873	-	5	5	5	-	(1)	-	0	-	-	-	-	60	(604)	(762)	(1,141)	0.365	0.384	0.380	0.000	22	(232)	(290)	-
7	3	16	158	1,821	1,814	1,818	-	-	-	-	37	-	-	-	-	-	-	-	48	2,199	2,314	2,665	-	5	5	5	-	(1)	(2)	0	-	-	-	-	72	(382)	(504)	(852)	0.374	0.384	0.384	0.386	27	(147)	(193)	(329)
7	3	17	161	1,868	1,871	1,884	-	-	-	-	40	-	-	-	-	-	-	-	36	1,761	1,837	2,153	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	84	104	30	(273)	0.384	0.359	0.370	0.376	32	37	11	(103)
7	3	18	162	1,892	1,906	1,928	-	-	-	-	43	-	-	-	-	-	-	-	21	1,128	1,158	1,432	-	5	5	5	-	(2)	(0)	-	-	-	-	-	98	760	743	492	0.386	0.382	0.387	0.373	38	290	287	184
7	3	19	160	1,877	1,898	1,926	-	-	-	-	47	-	-	-	-	-	-	-	7	448	450	698	-	5	5	5	-	(5)	(1)	7	-	-	-	-	107	1,429	1,445	1,216	0.388	0.394	0.389	0.385	41	563	562	468
7	3	20	155	1,818	1,838	1,866	-	-	-	-	45	-	-	-	-	-	-	-	0	59	59	306	-	5	5	5	-	14	9	10	-	-	-	-	110	1,740	1,766	1,545	0.388	0.405	0.400	0.389	43	706	706	601
7	3	21	155	1,821	1,843	1,872	-	-	-	-	45	-	-	-	-	-	-	-	-	57	57	304	-	5	5	5	-	-	9	5	-	-	-	-	110	1,759	1,773	1,558	0.387	0.401	0.396	0.388	43	705	701	604
7	3	22	151	1,781	1,807	1,839	-	-	-	-	46	-	-	-	-	-	-	-	-	68	68	315	-	5	5	5	-	2	5	5	-	-	-	-	106	1,706	1,730	1,514	0.381	0.396	0.391	0.383	40	677	677	579
7	3	23	141	1,666	1,692	1,723	-	-	-	-	44	-	-	-	-	-	-	-	-	53	53	300	-	5	5	5	-	4	1	6	-	-	-	-	98	1,605	1,634	1,412	0.373	0.390	0.385	0.376	36	626	629	531
7	3	24	138	1,620	1,641	1,667	-	-	-	-	40	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	1	4	5	-	-	-	-	98	1,574	1,592	1,369	0.364	0.380	0.384	0.364	36	599	611	498
7	4	1	118	1,383	1,392	1,406	-	-	-	-	28	-	-	-	-	-	-	-	-	35	35	282	-	5	5	5	-	4	4	1	-	-	-	-	91	1,340	1,348	1,118	0.364	0.371	0.382	0.364	33	497	515	407
7	4	2	110	1,282	1,283	1,289	-	-	-	-	27	-	-	-	-	-	-	-	-	32	32	279	-	5	5	5	-	7	7	-	-	-	-	-	84	1,239	1,239	1,005	0.364	0.369	0.381	0.364	30	457	472	366
7	4	3	105	1,211	1,204	1,203	-	-	-	-	26	-	-	-	-	-	-	-	-	29	29	276	-	5	5	5	-	12	8	-	-	-	-	-	79	1,165	1,162	922	0.367	0.365	0.378	0.364	29	425	440	335
7	4	4	102	1,167	1,153	1,145	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	5	5	5	-	18	8	-	-	-	-	-	72	1,123	1,118	871	0.365	0.371	0.384	0.364	26	416	429	317
7	4	5	100	1,143	1,122	1,108	-	-	-	-	43	-	-	-	-	-	-	-	1	53	53	300	-	5	5	5	-	4	(3)	8	-	-	-	-	57	1,081	1,067	795	0.364	0.378	0.386	0.364	21	409	412	289
7	4	6	101	1,149	1,121	1,102	-	-	-	-	47	-	-	-	-	-	-	-	13	817	819	1,067	-	5	5	5	-	12	8	(4)	-	-	-	-	41	315	289	34	0.368	0.374	0.383	0.364	15	118	111	12
7	4	7	103	1,159	1,126	1,103	-	-	-	-	46	-	-	-	-	-	-	-	24	1,451	1,458	1,711	-	5	5	5	-	(4)	(2)	-	-	-	-	-	33	(292)	(334)	(612)	0.372	0.359	0.375	0.370	12	(105)	(125)	(226)
7	4	8	107	1,205	1,173	1,152	-	-	-	-	37	-	-	-	-	-	-	-	37	1,954	2,004	2,295	-	5	5	5	-	(4)	(2)	-	-	-	-	-	33	(750)	(834)	(1,148)	0.370	0.381	0.365	0.386	12	(286)	(304)	(443)
7	4	9	114	1,290	1,261	1,246	-	-	-	-	44	-	-	-	-	-	-	-	46	2,238	2,332	2,663	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	23	(935)	(1,063)	(1,422)	0.367	0.384	0.384	0.000	8	(359)	(408)	-
7	4	10	122	1,381	1,354	1,339	-	-	-	-	41	-	-	-	-	-	-	-	54	2,458	2,586	2,948	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	27	(1,065)	(1,221)	(1,601)	0.367	0.384	0.384	0.000	10	(409)	(469)	-
7	4	11	129	1,475	1,448	1,433	-	-	-	-	41	-	-	-	-	-	-	-	56	2,466	2,612	2,990	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	33	(980)	(1,153)	(1,545)	0.367	0.384	0.384	0.000	12	(376)	(443)	-
7	4	12	137	1,563	1,537	1,523	-	-	-	-	40	-	-	-	-	-	-	-	57	2,471	2,627	3,013	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	40	(897)	(1,078)	(1,479)	0.367	0.384	0.384	0.000	15	(344)	(414)	-
7	4	13	143	1,641	1,619	1,608	-	-	-	-	37	-	-	-	-	-	-	-	56	2,385	2,542	2,929	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	51	(737)	(919)	(1,309)	0.364	0.384	0.384	0.000	18	(283)	(353)	-
7	4	14	149	1,705	1,686	1,678	-	-	-	-	45	-	-	-	-	-	-	-	55	2,398	2,549	2,931	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	49	(690)	(859)	(1,247)	0.366	0.384	0.384	0.000	18	(265)	(330)	-
7	4	15	153	1,757	1,741	1,736	-	-	-	-	39	-	-	-	-	-	-	-	51	2,255	2,389	2,755	-	5	5	5	-	(1)	-	0	-	-	-	-	62	(502)	(652)	(1,024)	0.365	0.384	0.380	0.000	23	(193)	(248)	-
7	4	16	157	1,813	1,806	1,810	-	-	-	-	37	-	-	-	-	-	-	-	45	2,066	2,173	2,516	-	5	5	5	-	(1)	(2)	0	-	-	-	-	75	(256)	(370)	(712)	0.374	0.384	0.384	0.386	28	(98)	(142)	(275)
7	4	17	160	1,854	1,857	1,870	-	-	-	-	40	-	-	-	-	-	-	-	35	1,706	1,779	2,092	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	84	146	74	(227)	0.384	0.359	0.370	0.376	32	52	27	(85)
7	4	18	160	1,874	1,887	1,909	-	-	-	-	43	-	-	-	-	-	-	-	20	1,107	1,135	1,407	-	5	5	5	-	(2)	(0)	-	-	-	-	-	97	763	748	497	0.386	0.382	0.387	0.373	37	291	289	186
7	4	19	158	1,846	1,866	1,893	-	-	-	-	47	-	-	-	-	-	-	-	7	440	442	690	-	5	5	5	-	(5)	(1)	7	-	-	-	-	104	1,405	1,420	1,190	0.388	0.394	0.389	0.385	40	554	553	458
7	4	20	152	1,783	1,802	1,829	-	-	-	-	45	-	-	-	-	-	-	-	0	63	63	310	-	5	5	5	-	14	9	10	-	-	-	-	107	1,702	1,727	1,505	0.388	0.405	0.400	0.389	42	690	690	585
7	4	21	152	1,779	1,800	1,828	-	-	-	-	45	-	-	-	-	-	-	-	-	80	80	327	-	5	5	5	-	-	9	5	-	-	-	-	106	1,694	1,707	1,491	0.387	0.401	0.396	0.388	41	679	675	578
7	4	22	146	1,721	1,745	1,776	-	-	-	-	46	-	-	-	-	-	-	-	-	77	77	324	-	5	5	5	-	2	5	5	-	-	-	-	101	1,638	1,660	1,442	0.381	0.396	0.391	0.383	38	649	650	552
7	4	23	141	1,655	1,681	1,712	-	-	-	-	44	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	4	1	6	-	-	-	-	97	1,592	1,620	1,398	0.373	0.390	0.385	0.376	36	620	624	525
7	4	24	139	1,638	1,660	1,686	-	-	-	-	40	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	1	4	5	-	-	-	-	100	1,586	1,604	1,382	0.364	0.380	0.384	0.364	36	603	615	503
7	5	1	118	1,376	1,385	1,398	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	4	4	1	-	-	-	-	90	1,326	1,334	1,103	0.364	0.371	0.382	0.364	33	491	510	401
7	5	2	110	1,276	1,277	1,283	-	-	-	-	27	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	7	7	-	-	-	-	-	83	1,229	1,229	995	0.364	0.369	0.381	0.364	30	453	469	362
7	5	3	105	1,211	1,204	1,203	-	-	-	-	26	-	-	-	-	-	-	-	-	25	25	272	-	5	5	5	-	12	8	-	-	-	-	-	79	1,170	1,166	926	0.367	0.365	0.378	0.364	29	427	441	337
7	5	4	103	1,182	1,168	1,160	-	-	-	-	30	-	-	-	-	-	-	-	-	21	21	268	-	5	5	5	-	18	8	-	-	-	-	-	73	1,138	1,133	887	0.365	0.371	0.384	0.364	27	422	435	323
7	5	5	104	1,188	1,167	1,155	-	-	-	-	43	-	-	-	-	-	-	-	0	47	47	294	-	5	5	5	-	4	(3)	8	-	-	-	-	61	1,132	1,119	848	0.364	0.378	0.386	0.364	22	428	432	308
7	5	6	110	1,252	1,227	1,210	-	-	-	-	47	-	-	-	-	-	-	-	11	702	703	951	-	5	5	5	-	12	8	(4)	-	-	-	-	52	533	511	258	0.368	0.374	0.383	0.364	19	199	196	94
7	5	7	117	1,336	1,308	1,290	-	-	-	-	46	-	-	-	-	-	-	-	23	1,407	1,414	1,667	-	5	5	5	-	(4)	(2)	-	-	-	-	-	49	(72)	(109)	(382)	0.372	0.359	0.375	0.370	18	(26)	(41)	(141)
7	5	8	128	1,454	1,428	1,414	-	-	-	-	37	-	-	-	-	-	-	-	36	1,939	1,987	2,278	-	5	5	5	-	(4)	(2)	-	-	-	-	-	54	(485)	(562)	(869)	0.370	0.381	0.365	0.386	20	(185)	(205)	(335)
7	5	9	137	1,562	1,541	1,532	-	-	-	-	44	-	-	-	-	-	-	-	46	2,244	2,337	2,668	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	46	(669)	(789)	(1,140)	0.367	0.384	0.384	0.000	17	(257)	(303)	-
7	5	10	146	1,670	1,649	1,642	-	-	-	-	41	-	-	-	-	-	-	-	53	2,439	2,566	2,926	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	52	(758)	(905)	(1,277)	0.367	0.384	0.384	0.000	19	(291)	(348)	-
7	5	11	154	1,765	1,745	1,738	-	-	-	-	41	-	-	-	-	-	-	-	56	2,510	2,655	3,032	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	56	(733)	(899)	(1,283)	0.367	0.384	0.384	0.000	21	(282)	(345)	-
7	5	12	160	1,842	1,823	1,816	-	-	-	-	40	-	-	-	-	-	-	-	58	2,504	2,661	3,048	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	63	(650)	(826)	(1,220)	0.367	0.384	0.384	0.000	23	(250)	(317)	-
7	5	13	165	1,901	1,885	1,881	-	-	-	-	37	-	-	-	-	-	-	-	58	2,509	2,669	3,059	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	70	(602)	(780)	(1,166)	0.364	0.384	0.384	0.000	26	(231)	(299)	-
7	5	14	171	1,973	1,960	1,960	-	-	-	-	45	-	-	-	-	-	-	-	56	2,467	2,617	2,998	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	70	(490)	(652)	(1,032)	0.366	0.384	0.384	0.000	26	(188)	(250)	-
7	5	15	177	2,046	2,038	2,041	-	-	-	-	39	-	-	-	-	-	-	-	53	2,425	2,559	2,926	-	5	5	5	-	(1)	-	0	-	-	-	-	84	(382)	(526)	(890)	0.365	0.384	0.380	0.000	31	(147)	(200)	-
7	5	16	182	2,105	2,105	2,117	-	-	-	-	37	-	-	-	-	-	-	-	47	2,207	2,317	2,662	-	5	5	5	-	(1)	(2)	0	-	-	-	-	97	(106)	(215)	(550)	0.374	0.384	0.384	0.386	36	(41)	(82)	(212)
7	5	17	183	2,126	2,136	2,155	-	-	-	-	40	-	-	-	-	-	-	-	37	1,871	1,943	2,254	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	105	252	189	(103)	0.384	0.359	0.370	0.376	40	90	70	(39)
7	5	18	181	2,112	2,131	2,159	-	-	-	-	43	-	-	-	-	-	-	-	22	1,240	1,268	1,539	-	5	5	5	-	(2)	(0)	-	-	-	-	-	116	868	859	616	0.386	0.382	0.387	0.373	45	331	332	230
7	5	19	176	2,059	2,084	2,117	-	-	-	-	47	-	-	-	-	-	-	-	7	511	513	761	-	5	5	5	-	(5)	(1)	7	-	-	-	-	121	1,548	1,568	1,343	0.388	0.394	0.389	0.385	47	610	610	517
7	5	20	170	1,999	2,025	2,057	-	-	-	-	45	-	-	-	-	-	-	-	0	70	70	317	-	5	5	5	-	14	9	10	-	-	-	-	125	1,911	1,941	1,725	0.388	0.405	0.400	0.389	49	775	776	671
7	5	21	171	2,005	2,032	2,066	-	-	-	-	45	-	-	-	-	-	-	-	-	63	63	310	-	5	5	5	-	-	9	5	-	-	-	-	125	1,938	1,956	1,746	0.387	0.401	0.396	0.388	49	777	774	677
7	5	22	164	1,935	1,965	2,001	-	-	-	-	46	-	-	-	-	-	-	-	-	57	57	304	-	5	5	5	-	2	5	5	-	-	-	-	119	1,872	1,899	1,687	0.381	0.396	0.391	0.383	45	742	743	646
7	5	23	151	1,773	1,802	1,836	-	-	-	-	44	-	-	-	-	-	-	-	-	53	53	300	-	5	5	5	-	4	1	6	-	-	-	-	107	1,712	1,744	1,525	0.373	0.390	0.385	0.376	40	667	671	573
7	5	24	154	1,812	1,837	1,868	-	-	-	-	40	-	-	-	-	-	-	-	-	69	69	316	-	5	5	5	-	1	4	5	-	-	-	-	114	1,737	1,759	1,542	0.364	0.380	0.384	0.364	42	661	675	561
7	6	1	123	1,440	1,450	1,465	-	-	-	-	28	-	-	-	-	-	-	-	-	69	69	316	-	5	5	5	-	4	4	1	-	-	-	-	96	1,362	1,371	1,143	0.364	0.371	0.382	0.364	35	505	524	416
7	6	2	116	1,345	1,347	1,355	-	-	-	-	27	-	-	-	-	-	-	-	-	45	45	292	-	5	5	5	-	7	7	-	-	-	-	-	89	1,288	1,289	1,058	0.364	0.369	0.381	0.364	32	475	492	385
7	6	3	110	1,274	1,269	1,269	-	-	-	-	26	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	12	8	-	-	-	-	-	84	1,222	1,220	982	0.367	0.365	0.378	0.364	31	446	462	357
7	6	4	107	1,231	1,218	1,212	-	-	-	-	30	-	-	-	-	-	-	-	-	19	19	266	-	5	5	5	-	18	8	-	-	-	-	-	77	1,189	1,186	941	0.365	0.371	0.384	0.364	28	441	455	342
7	6	5	108	1,232	1,213	1,201	-	-	-	-	43	-	-	-	-	-	-	-	0	34	34	281	-	5	5	5	-	4	(3)	8	-	-	-	-	65	1,189	1,177	907	0.364	0.378	0.386	0.364	24	449	454	330
7	6	6	113	1,286	1,262	1,247	-	-	-	-	47	-	-	-	-	-	-	-	9	592	593	841	-	5	5	5	-	12	8	(4)	-	-	-	-	57	678	656	405	0.368	0.374	0.383	0.364	21	253	251	147
7	6	7	121	1,379	1,352	1,335	-	-	-	-	46	-	-	-	-	-	-	-	22	1,344	1,351	1,604	-	5	5	5	-	(4)	(2)	-	-	-	-	-	53	35	(1)	(274)	0.372	0.359	0.375	0.370	20	13	(0)	(101)
7	6	8	131	1,495	1,469	1,456	-	-	-	-	37	-	-	-	-	-	-	-	36	1,937	1,983	2,271	-	5	5	5	-	(4)	(2)	-	-	-	-	-	58	(443)	(516)	(819)	0.370	0.381	0.365	0.386	22	(169)	(188)	(316)
7	6	9	139	1,593	1,572	1,565	-	-	-	-	44	-	-	-	-	-	-	-	46	2,276	2,364	2,690	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	49	(670)	(784)	(1,130)	0.367	0.384	0.384	0.000	18	(257)	(301)	-
7	6	10	146	1,676	1,655	1,649	-	-	-	-	41	-	-	-	-	-	-	-	53	2,479	2,601	2,957	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	52	(791)	(934)	(1,301)	0.367	0.384	0.384	0.000	19	(304)	(359)	-
7	6	11	153	1,756	1,736	1,729	-	-	-	-	41	-	-	-	-	-	-	-	57	2,589	2,733	3,109	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	55	(822)	(986)	(1,369)	0.367	0.384	0.384	0.000	20	(315)	(378)	-
7	6	12	159	1,829	1,809	1,803	-	-	-	-	40	-	-	-	-	-	-	-	58	2,554	2,707	3,091	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	62	(714)	(886)	(1,277)	0.367	0.384	0.384	0.000	23	(274)	(340)	-
7	6	13	164	1,885	1,869	1,865	-	-	-	-	37	-	-	-	-	-	-	-	57	2,549	2,704	3,089	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	69	(657)	(831)	(1,213)	0.364	0.384	0.384	0.000	25	(252)	(319)	-
7	6	14	170	1,958	1,946	1,945	-	-	-	-	45	-	-	-	-	-	-	-	56	2,533	2,682	3,062	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	69	(571)	(732)	(1,112)	0.366	0.384	0.384	0.000	25	(219)	(281)	-
7	6	15	176	2,031	2,022	2,024	-	-	-	-	39	-	-	-	-	-	-	-	54	2,460	2,592	2,958	-	5	5	5	-	(1)	-	0	-	-	-	-	83	(433)	(575)	(938)	0.365	0.384	0.380	0.000	30	(166)	(219)	-
7	6	16	180	2,092	2,092	2,103	-	-	-	-	37	-	-	-	-	-	-	-	48	2,291	2,399	2,742	-	5	5	5	-	(1)	(2)	0	-	-	-	-	95	(203)	(310)	(645)	0.374	0.384	0.384	0.386	36	(78)	(119)	(249)
7	6	17	183	2,127	2,136	2,156	-	-	-	-	40	-	-	-	-	-	-	-	38	1,914	1,985	2,295	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	105	210	148	(143)	0.384	0.359	0.370	0.376	40	75	55	(54)
7	6	18	182	2,128	2,148	2,177	-	-	-	-	43	-	-	-	-	-	-	-	24	1,355	1,382	1,654	-	5	5	5	-	(2)	(0)	-	-	-	-	-	115	771	761	518	0.386	0.382	0.387	0.373	44	294	294	193
7	6	19	177	2,081	2,107	2,140	-	-	-	-	47	-	-	-	-	-	-	-	8	588	590	838	-	5	5	5	-	(5)	(1)	7	-	-	-	-	122	1,493	1,514	1,290	0.388	0.394	0.389	0.385	47	588	589	496
7	6	20	172	2,021	2,046	2,079	-	-	-	-	45	-	-	-	-	-	-	-	0	67	67	314	-	5	5	5	-	14	9	10	-	-	-	-	127	1,935	1,966	1,750	0.388	0.405	0.400	0.389	49	785	786	681
7	6	21	173	2,029	2,056	2,090	-	-	-	-	45	-	-	-	-	-	-	-	-	58	58	305	-	5	5	5	-	-	9	5	-	-	-	-	127	1,966	1,985	1,775	0.387	0.401	0.396	0.388	49	788	785	689
7	6	22	167	1,962	1,993	2,029	-	-	-	-	46	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	2	5	5	-	-	-	-	121	1,910	1,937	1,726	0.381	0.396	0.391	0.383	46	757	758	661
7	6	23	152	1,796	1,825	1,860	-	-	-	-	44	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	4	1	6	-	-	-	-	109	1,755	1,787	1,568	0.373	0.390	0.385	0.376	41	684	688	589
7	6	24	154	1,810	1,836	1,866	-	-	-	-	40	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	1	4	5	-	-	-	-	114	1,763	1,785	1,568	0.364	0.380	0.384	0.364	42	671	685	570
7	7	1	124	1,453	1,463	1,478	-	-	-	-	28	-	-	-	-	-	-	-	-	45	45	292	-	5	5	5	-	4	4	1	-	-	-	-	97	1,400	1,409	1,181	0.364	0.371	0.382	0.364	35	519	539	430
7	7	2	116	1,351	1,353	1,361	-	-	-	-	27	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	7	7	-	-	-	-	-	89	1,297	1,299	1,067	0.364	0.369	0.381	0.364	33	478	495	388
7	7	3	111	1,285	1,279	1,280	-	-	-	-	26	-	-	-	-	-	-	-	-	37	37	284	-	5	5	5	-	12	8	-	-	-	-	-	85	1,231	1,229	991	0.367	0.365	0.378	0.364	31	449	465	361
7	7	4	108	1,246	1,234	1,228	-	-	-	-	30	-	-	-	-	-	-	-	-	24	24	271	-	5	5	5	-	18	8	-	-	-	-	-	79	1,200	1,197	953	0.365	0.371	0.384	0.364	29	445	460	347
7	7	5	109	1,252	1,233	1,222	-	-	-	-	43	-	-	-	-	-	-	-	0	52	52	299	-	5	5	5	-	4	(3)	8	-	-	-	-	66	1,191	1,179	910	0.364	0.378	0.386	0.364	24	450	455	331
7	7	6	114	1,303	1,279	1,264	-	-	-	-	47	-	-	-	-	-	-	-	11	706	708	956	-	5	5	5	-	12	8	(4)	-	-	-	-	56	580	559	307	0.368	0.374	0.383	0.364	21	217	214	112

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	7	7	122	1,393	1,366	1,349	-	-	-	-	46	-	-	-	-	-	-	-
7	7	8	132	1,502	1,476	1,463	-	-	-	-	37	-	-	-	-	-	-	-
7	7	9	140	1,604	1,583	1,576	-	-	-	-	44	-	-	-	-	-	-	-
7	7	10	148	1,692	1,672	1,665	-	-	-	-	41	-	-	-	-	-	-	-
7	7	11	156	1,786	1,766	1,759	-	-	-	-	41	-	-	-	-	-	-	-
7	7	12	163	1,870	1,851	1,845	-	-	-	-	40	-	-	-	-	-	-	-
7	7	13	169	1,947	1,932	1,929	-	-	-	-	37	-	-	-	-	-	-	-
7	7	14	176	2,033	2,022	2,023	-	-	-	-	45	-	-	-	-	-	-	-
7	7	15	183	2,110	2,103	2,107	-	-	-	-	39	-	-	-	-	-	-	-
7	7	16	188	2,178	2,179	2,192	-	-	-	-	37	-	-	-	-	-	-	-
7	7	17	190	2,220	2,231	2,253	-	-	-	-	40	-	-	-	-	-	-	-
7	7	18	189	2,216	2,238	2,269	-	-	-	-	43	-	-	-	-	-	-	-
7	7	19	185	2,170	2,197	2,232	-	-	-	-	47	-	-	-	-	-	-	-
7	7	20	179	2,099	2,126	2,161	-	-	-	-	45	-	-	-	-	-	-	-
7	7	21	178	2,091	2,119	2,155	-	-	-	-	45	-	-	-	-	-	-	-
7	7	22	171	2,016	2,047	2,085	-	-	-	-	46	-	-	-	-	-	-	-
7	7	23	156	1,840	1,870	1,906	-	-	-	-	44	-	-	-	-	-	-	-
7	7	24	159	1,864	1,891	1,923	-	-	-	-	40	-	-	-	-	-	-	-
7	8	1	127	1,482	1,493	1,509	-	-	-	-	28	-	-	-	-	-	-	-
7	8	2	118	1,378	1,381	1,389	-	-	-	-	27	-	-	-	-	-	-	-
7	8	3	113	1,302	1,296	1,298	-	-	-	-	26	-	-	-	-	-	-	-
7	8	4	109	1,256	1,243	1,238	-	-	-	-	30	-	-	-	-	-	-	-
7	8	5	109	1,252	1,233	1,222	-	-	-	-	43	-	-	-	-	-	-	-
7	8	6	114	1,298	1,274	1,259	-	-	-	-	47	-	-	-	-	-	-	-
7	8	7	121	1,381	1,353	1,336	-	-	-	-	46	-	-	-	-	-	-	-
7	8	8	131	1,491	1,465	1,451	-	-	-	-	37	-	-	-	-	-	-	-
7	8	9	140	1,601	1,580	1,573	-	-	-	-	44	-	-	-	-	-	-	-
7	8	10	149	1,707	1,687	1,681	-	-	-	-	41	-	-	-	-	-	-	-
7	8	11	159	1,825	1,806	1,800	-	-	-	-	41	-	-	-	-	-	-	-
7	8	12	167	1,918	1,900	1,895	-	-	-	-	40	-	-	-	-	-	-	-
7	8	13	174	2,004	1,990	1,989	-	-	-	-	37	-	-	-	-	-	-	-
7	8	14	182	2,099	2,089	2,091	-	-	-	-	45	-	-	-	-	-	-	-
7	8	15	189	2,181	2,175	2,181	-	-	-	-	39	-	-	-	-	-	-	-
7	8	16	194	2,258	2,261	2,276	-	-	-	-	37	-	-	-	-	-	-	-
7	8	17	197	2,300	2,313	2,337	-	-	-	-	40	-	-	-	-	-	-	-
7	8	18	196	2,293	2,316	2,349	-	-	-	-	43	-	-	-	-	-	-	-
7	8	19	190	2,229	2,258	2,295	-	-	-	-	47	-	-	-	-	-	-	-
7	8	20	181	2,129	2,157	2,192	-	-	-	-	45	-	-	-	-	-	-	-
7	8	21	179	2,104	2,133	2,169	-	-	-	-	45	-	-	-	-	-	-	-
7	8	22	172	2,025	2,057	2,095	-	-	-	-	46	-	-	-	-	-	-	-
7	8	23	158	1,865	1,896	1,932	-	-	-	-	44	-	-	-	-	-	-	-
7	8	24	163	1,915	1,943	1,976	-	-	-	-	40	-	-	-	-	-	-	-
7	9	1	130	1,515	1,526	1,543	-	-	-	-	28	-	-	-	-	-	-	-
7	9	2	120	1,397	1,400	1,409	-	-	-	-	27	-	-	-	-	-	-	-
7	9	3	113	1,308	1,303	1,304	-	-	-	-	26	-	-	-	-	-	-	-
7	9	4	109	1,250	1,237	1,232	-	-	-	-	30	-	-	-	-	-	-	-
7	9	5	107	1,222	1,203	1,191	-	-	-	-	43	-	-	-	-	-	-	-
7	9	6	107	1,218	1,192	1,175	-	-	-	-	47	-	-	-	-	-	-	-
7	9	7	109	1,237	1,206	1,186	-	-	-	-	46	-	-	-	-	-	-	-
7	9	8	116	1,312	1,282	1,264	-	-	-	-	37	-	-	-	-	-	-	-
7	9	9	125	1,421	1,396	1,384	-	-	-	-	44	-	-	-	-	-	-	-
7	9	10	136	1,552	1,529	1,519	-	-	-	-	41	-	-	-	-	-	-	-
7	9	11	147	1,683	1,661	1,652	-	-	-	-	41	-	-	-	-	-	-	-
7	9	12	157	1,799	1,778	1,771	-	-	-	-	40	-	-	-	-	-	-	-
7	9	13	165	1,896	1,879	1,875	-	-	-	-	37	-	-	-	-	-	-	-
7	9	14	171	1,975	1,962	1,962	-	-	-	-	45	-	-	-	-	-	-	-
7	9	15	179	2,063	2,054	2,058	-	-	-	-	39	-	-	-	-	-	-	-
7	9	16	186	2,159	2,160	2,172	-	-	-	-	37	-	-	-	-	-	-	-
7	9	17	192	2,233	2,245	2,267	-	-	-	-	40	-	-	-	-	-	-	-
7	9	18	193	2,262	2,285	2,317	-	-	-	-	43	-	-	-	-	-	-	-
7	9	19	189	2,218	2,246	2,283	-	-	-	-	47	-	-	-	-	-	-	-
7	9	20	181	2,121	2,149	2,184	-	-	-	-	45	-	-	-	-	-	-	-
7	9	21	177	2,079	2,107	2,143	-	-	-	-	45	-	-	-	-	-	-	-
7	9	22	171	2,011	2,043	2,080	-	-	-	-	46	-	-	-	-	-	-	-
7	9	23	159	1,870	1,901	1,937	-	-	-	-	44	-	-	-	-	-	-	-
7	9	24	158	1,859	1,886	1,918	-	-	-	-	40	-	-	-	-	-	-	-
7	10	1	131	1,528	1,540	1,557	-	-	-	-	28	-	-	-	-	-	-	-
7	10	2	120	1,401	1,404	1,413	-	-	-	-	27	-	-	-	-	-	-	-
7	10	3	113	1,309	1,304	1,305	-	-	-	-	26	-	-	-	-	-	-	-
7	10	4	109	1,249	1,236	1,231	-	-	-	-	30	-	-	-	-	-	-	-
7	10	5	106	1,211	1,192	1,180	-	-	-	-	43	-	-	-	-	-	-	-
7	10	6	105	1,191	1,164	1,146	-	-	-	-	47	-	-	-	-	-	-	-
7	10	7	104	1,182	1,150	1,128	-	-	-	-	46	-	-	-	-	-	-	-
7	10	8	109	1,230	1,198	1,178	-	-	-	-	37	-	-	-	-	-	-	-
7	10	9	117	1,327	1,299	1,285	-	-	-	-	44	-	-	-	-	-	-	-
7	10	10	127	1,452	1,426	1,413	-	-	-	-	41	-	-	-	-	-	-	-
7	10	11	139	1,586	1,562	1,550	-	-	-	-	41	-	-	-	-	-	-	-
7	10	12	149	1,708	1,685	1,675	-	-	-	-	40	-	-	-	-	-	-	-
7	10	13	158	1,821	1,803	1,797	-	-	-	-	37	-	-	-	-	-	-	-
7	10	14	168	1,934	1,920	1,919	-	-	-	-	45	-	-	-	-	-	-	-
7	10	15	176	2,036	2,027	2,029	-	-	-	-	39	-	-	-	-	-	-	-
7	10	16	183	2,125	2,125	2,136	-	-	-	-	37	-	-	-	-	-	-	-
7	10	17	187	2,180	2,191	2,211	-	-	-	-	40	-	-	-	-	-	-	-
7	10	18	188	2,198	2,219	2,250	-	-	-	-	43	-	-	-	-	-	-	-
7	10	19	184	2,165	2,192	2,227	-	-	-	-	47	-	-	-	-	-	-	-
7	10	20	178	2,086	2,113	2,147	-	-	-	-	45	-	-	-	-	-	-	-
7	10	21	176	2,070	2,099	2,134	-	-	-	-	45	-	-	-	-	-	-	-
7	10	22	170	2,006	2,038	2,075	-	-	-	-	46	-	-	-	-	-	-	-
7	10	23	156	1,835	1,865	1,901	-	-	-	-	44	-	-	-	-	-	-	-
7	10	24	153	1,794	1,818	1,849	-	-	-	-	40	-	-	-	-	-	-	-
7	11	1	126	1,468	1,479	1,494	-	-	-	-	28	-	-	-	-	-	-	-
7	11	2	116	1,350	1,353	1,360	-	-	-	-	27	-	-	-	-	-	-	-
7	11	3	110	1,274	1,268	1,269	-	-	-	-	26	-	-	-	-	-	-	-
7	11	4	107	1,234	1,221	1,216	-	-	-	-	30	-	-	-	-	-	-	-
7	11	5	108	1,233	1,214	1,202	-	-	-	-	43	-	-	-	-	-	-	-
7	11	6	113	1,285	1,261	1,245	-	-	-	-	47	-	-	-	-	-	-	-
7	11	7	120	1,368	1,341	1,324	-	-	-	-	46	-	-	-	-	-	-	-
7	11	8	131	1,500	1,474	1,461	-	-	-	-	37	-	-	-	-	-	-	-
7	11	9	142	1,630	1,610	1,603	-	-	-	-	44	-	-	-	-	-	-	-
7	11	10	153	1,751	1,732	1,727	-	-	-	-	41	-	-	-	-	-	-	-
7	11	11	163	1,878	1,860	1,856	-	-	-	-	41	-	-	-	-	-	-	-
7	11	12	172	1,980	1,964	1,961	-	-	-	-	40	-	-	-	-	-	-	-
7	11	13	179	2,060	2,048	2,048	-	-	-	-	37	-	-	-	-	-	-	-
7	11	14	187	2,156	2,148	2,152	-	-	-	-	45	-	-	-	-	-	-	-
7	11	15	194	2,248	2,243	2,252	-	-	-	-	39	-	-	-	-	-	-	-
7	11	16	201	2,337	2,342	2,359	-	-	-	-	37	-	-	-	-	-	-	-
7	11	17	205	2,392	2,407	2,434	-	-	-	-	40	-	-	-	-	-	-	-

			Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	7	7	23	1,418	1,424	1,677	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	7	8	36	1,925	1,973	2,262	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	7	9	47	2,288	2,380	2,709	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-
7	7	10	54	2,512	2,638	2,998	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-
7	7	11	58	2,595	2,744	3,125	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	7	12	60	2,625	2,785	3,176	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	7	13	59	2,584	2,748	3,141	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-
7	7	14	58	2,582	2,740	3,128	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-
7	7	15	55	2,534	2,678	3,053	-	5	5	5	-	(1)	-	0	-	-	-	-
7	7	16	49	2,324	2,442	2,794	-	5	5	5	-	(1)	(2)	0	-	-	-	-
7	7	17	37	1,836	1,914	2,230	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-
7	7	18	21	1,198	1,227	1,501	-	5	5	5	-	(2)	(0)	-	-	-	-	-
7	7	19	7	496	497	745	-	5	5	5	-	(5)	(1)	7	-	-	-	-
7	7	20	0	91	91	338	-	5	5	5	-	14	9	10	-	-	-	-
7	7	21	-	81	81	328	-	5	5	5	-	-	9	5	-	-	-	-
7	7	22	-	90	90	337	-	5	5	5	-	2	5	5	-	-	-	-
7	7	23	-	79	79	326	-	5	5	5	-	4	1	6	-	-	-	-
7	7	24	-	68	68	315	-	5	5	5	-	1	4	5	-	-	-	-
7	8	1	-	52	52	299	-	5	5	5	-	4	4	1	-	-	-	-
7	8	2	-	35	35	282	-	5	5	5	-	7	7	-	-	-	-	-
7	8	3	-	18	18	265	-	5	5	5	-	12	8	-	-	-	-	-
7	8	4	-	13	13	260	-	5	5	5	-	18	8	-	-	-	-	-
7	8	5	0	28	28	275	-	5	5	5	-	4	(3)	8	-	-	-	-
7	8	6	10	650	652	900	-	5	5	5	-	12	8	(4)	-	-	-	-
7	8	7	23	1,378	1,385	1,638	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	8	8	36	1,924	1,972	2,262	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	8	9	47	2,286	2,379	2,709	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-
7	8	10	54	2,480	2,607	2,968	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-
7	8	11	58	2,585	2,735	3,117	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	8	12	60	2,587	2,750	3,143	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	8	13	60	2,584	2,749	3,144	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-
7	8	14	59	2,575	2,733	3,122	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-
7	8	15	55	2,519	2,663	3,038	-	5	5	5	-	(1)	-	0	-	-	-	-
7	8	16	49	2,337	2,453	2,804	-	5	5	5	-	(1)	(2)	0	-	-	-	-
7	8	17	39	1,961	2,038	2,353	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-
7	8	18	24	1,356	1,385	1,659	-	5	5	5	-	(2)	(0)	-	-	-	-	-
7	8	19	8	564	566	814	-	5	5	5	-	(5)	(1)	7	-	-	-	-
7	8	20	0	55	55	302	-	5	5	5	-	14	9	10	-	-	-	-
7	8	21	-	58	58	305	-	5	5	5	-	-	9	5	-	-	-	-
7	8	22	-	51	51	298	-	5	5	5	-	2	5	5	-	-	-	-
7	8	23	-	34	34	281	-	5	5	5	-	4	1	6	-	-	-	-
7	8	24	-	15	15	262	-	5	5	5	-	1	4	5	-	-	-	-
7	9	1	-	8	8	255	-	5	5	5	-	4	4	1	-	-	-	-
7	9	2	-	6	6	253	-	5	5	5	-	7	7	-	-	-	-	-
7	9	3	-	4	4	251	-	5	5	5	-	12	8	-	-	-	-	-
7	9	4	-	3	3	250	-	5	5	5	-	18	8	-	-	-	-	-
7	9	5	0	15	15	262	-	5	5	5	-	4	(3)	8	-	-	-	-
7	9	6	9	573	574	822	-	5	5	5	-	12	8	(4)	-	-	-	-
7	9	7	22	1,336	1,344	1,597	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	9	8	36	1,929	1,976	2,266	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	9	9	48	2,322	2,415	2,746	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-
7	9	10	55	2,546	2,674	3,036	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-
7	9	11	59	2,650	2,800	3,181	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	9	12	61	2,657	2,818	3,209	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	9	13	60	2,615	2,777	3,168	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-
7	9	14	58	2,577	2,730	3,114	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-
7	9	15	55	2,456	2,594	2,965	-	5	5	5	-	(1)	-	0	-	-	-	-
7	9	16	48	2,247	2,355	2,700	-	5	5	5	-	(1)	(2)	0	-	-	-	-
7	9	17	36	1,763	1,834	2,145	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-
7	9	18	20	1,077	1,103	1,373	-	5	5	5	-	(2)	(0)	-	-	-	-	-
7	9	19	6	427	428	677	-	5	5	5	-	(5)	(1)	7	-	-	-	-
7	9	20	0	76	76	323	-	5	5	5	-	14	9	10	-	-	-	-
7	9	21	-	76	76	323	-	5	5	5	-	-	9	5	-	-	-	-
7	9	22	-	57	57	304	-	5	5	5	-	2	5	5	-	-	-	-
7	9	23	-	30	30	277	-	5	5	5	-	4	1	6	-	-	-	-
7	9	24	-	19	19	266	-	5	5	5	-	1	4	5	-	-	-	-
7	10	1	-	18	18	265	-	5	5	5	-	4	4	1	-	-	-	-
7	10	2	-	14	14	261	-	5	5	5	-	7	7	-	-	-	-	-
7	10	3	-	9	9	256	-	5	5	5	-	12	8	-	-	-	-	-
7	10	4	-	9	9	256	-	5	5	5	-	18	8	-	-	-	-	-
7	10	5	0	3	3	250	-	5	5	5	-	4	(3)	8	-	-	-	-
7	10	6	0	4	5	253	-	5	5	5	-	12	8	(4)	-	-	-	-
7	10	7	3	138	144	397	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	10	8	14	699	723	992	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	10	9	20	927	975	1,266	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-
7	10	10	27	1,128	1,204	1,519	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-
7	10	11	35	1,530	1,622	1,950	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	10	12	38	1,718	1,809	2,139	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	10	13	31	1,319	1,408	1,735	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-
7	10	14	28	1,269	1,343	1,657	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-
7	10	15	21	893	952	1,251	-	5	5	5	-	(1)	-	0	-	-	-	-
7	10	16	16	710	753	1,039	-	5	5	5	-	(1)	(2)	0	-	-	-	-
7	10	17	19	987	1,022	1,301	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-
7	10	18	12	721	733	991	-	5	5	5	-	(2)	(0)	-	-	-	-	-
7	10	19	3	218	219	468	-	5	5	5	-	(5)	(1)	7	-	-	-	-
7	10	20	0	76	76	323	-	5	5	5	-	14	9	10	-	-	-	-
7	10	21	-	67	67	314	-	5	5	5	-	-	9	5	-	-	-	-
7	10	22	-	50	50	297	-	5	5	5	-	2	5	5	-	-	-	-
7	10	23	-	54	54	301	-	5	5	5	-	4	1	6	-	-	-	-
7	10	24	-	43	43	290	-	5	5	5	-	1	4	5	-	-	-	-
7	11	1	-	65	65	312	-	5	5	5	-	4	4	1	-	-	-	-
7	11	2	-	76	76	323	-	5	5	5	-	7	7	-	-	-	-	-
7	11	3	-	64	64	311	-	5	5	5	-	12	8	-	-	-	-	-
7	11	4	-	32	32	279	-	5	5	5	-	18	8	-	-	-	-	-
7	11	5	0	51	51	298	-	5	5	5	-	4	(3)	8	-	-	-	-
7	11	6	10	664	665	913	-	5	5	5	-	12	8	(4)	-	-	-	-
7	11	7	23	1,414	1,422	1,676	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	11	8	37	1,985	2,031	2,318	-	5	5	5	-	(4)	(2)	-	-	-	-	-
7	11	9	47	2,322	2,410	2,736	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-
7	11	10	54	2,513	2,633	2,987	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-
7	11	11	57	2,602	2,744	3,118	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	11	12	59	2,634	2,787	3,171	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-
7	11	13	60	2,621	2,781	3,171	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-
7	11	14	58	2,592	2,744	3,127	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-
7	11	15	56	2,581	2,721	3,093	-	5	5	5	-	(1)	-	0	-	-	-	-
7	11	16	50	2,388	2,504	2,855	-	5	5	5	-	(1)	(2)	0	-	-	-	-
7	11	17	40	2,071	2,149	2,466	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-

			Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	7	7	53	(25)	(61)	(333)	0.372	0.359	0.375	0.370	20	(9)	(23)	(123)
7	7	8	59	(424)	(499)	(804)	0.370	0.381	0.365	0.386	22	(162)	(182)	(310)
7	7	9	49	(672)	(789)	(1,138)	0.367	0.384	0.384	0.000	18	(258)	(303)	-
7	7	10	53	(808)	(955)	(1,325)	0.367	0.384	0.384	0.000	19	(310)	(367)	-
7	7	11	56	(797)	(967)	(1,355)	0.367	0.384	0.384	0.000	21	(306)	(371)	-
7	7	12	63	(743)	(922)	(1,319)	0.367	0.384	0.384	0.000	23	(285)	(354)	-
7	7	13	73	(630)	(812)	(1,201)	0.364	0.384	0.384	0.000	27	(242)	(312)	-
7	7	14	73	(545)	(713)	(1,100)	0.366	0.384	0.384	0.000	27	(209)	(274)	-
7	7	15	88	(428)	(580)	(950)	0.365	0.384	0.380	0.000	32	(164)	(220)	-
7	7	16	101	(151)	(266)	(607)	0.374	0.384	0.384	0.386	38	(58)	(102)	(234)
7	7	17	114	381	314	19	0.384	0.359	0.370	0.376	44	137	116	7
7	7	18	125	1,016	1,006	763	0.386	0.382	0.387	0.373	48	388	389	285
7	7	19	131	1,674	1,696	1,475	0.388	0.394	0.389	0.385	51	660	660	567
7	7	20	134	1,990	2,022	1,809	0.388	0.405	0.400	0.389	52	807	809	703
7	7	21	133	2,005	2,024	1,816	0.387	0.401	0.396	0.388	51	804	801	705
7	7	22	126	1,919	1,948	1,738	0.381	0.396	0.391	0.383	48	761	762	665
7	7	23	112	1,752	1,786	1,568	0.373	0.390	0.385	0.376	42	683	687	589
7	7	24	119	1,790	1,814	1,597	0.364	0.380	0.384	0.364	43	681	696	581
7	8	1	99	1,422	1,432	1,204	0.364	0.371	0.382	0.364	36	527	547	438
7	8	2	92	1,331	1,333	1,102	0.364	0.369	0.381	0.364	33	491	508	401
7	8	3	87	1,267	1,265	1,028	0.367	0.365	0.378	0.364	32	462	479	374
7	8	4	80	1,221	1,217	973	0.365	0.371	0.384	0.364	29	452	468	354
7	8	5	66	1,215	1,203	934	0.364	0.378	0.386	0.364	24	459	464	340
7	8	6	57	631	609	358	0.368	0.374	0.383	0.364	21	236	233	130
7	8	7	53	3	(33)	(306)	0.372	0.359	0.375	0.370	20	1	(13)	(113)
7	8	8	58	(434)	(510)	(816)	0.370	0.381	0.365	0.386	21	(166)	(186)	(315)
7	8	9	49	(672)	(792)	(1,141)	0.367	0.384	0.384	0.000	18	(258)	(304)	-
7	8	10	54	(761)	(909)	(1,280)	0.367	0.384	0.384	0.000	20	(292)	(349)	-
7	8	11	60	(748)	(918)	(1,305)	0.367	0.384	0.384	0.000	22	(287)	(352)	-
7	8	12	67	(657)	(838)	(1,236)	0.367	0.384	0.384	0.000	25	(252)	(322)	-
7	8	13	77	(573)	(755)	(1,144)	0.364	0.384	0.384	0.000	28	(220)	(290)	-
7	8	14	78	(472)	(640)	(1,025)	0.366	0.384	0.384	0.000	29	(181)	(246)	-
7	8	15	94	(342)	(493)	(862)	0.365	0.384	0.380	0.000	34	(131)	(187)	-
7	8	16	108	(83)	(196)	(534)	0.374	0.384	0.384	0.386	40	(32)	(75)	(206)
7	8	17	118	336	272	(20)	0.384	0.359	0.370	0.376	45	121	101	(8)
7	8	18	129	934	926	685	0.386	0.382	0.387	0.373	50	356	358	256
7	8	19	134	1,665	1,689	1,469	0.388	0.394	0.389	0.385	52	656	657	565
7	8	20	136	2,056	2,089	1,876	0.388	0.405	0.400	0.389	53	833	835	730
7	8	21	134	2,042	2,062	1,854	0.387	0.401	0.396	0.388	52	818	816	719
7	8	22	126	1,968	1,997	1,788	0.381	0.396	0.391	0.383	48	780	782	684
7	8	23	114	1,823	1,856	1,640	0.373	0.390	0.385	0.376	43	710	715	616
7	8	24	123	1,894	1,919	1,704	0.364	0.380	0.384	0.364	45	720	736	620
7	9	1	102	1,498	1,509	1,282	0.364	0.371	0.382	0.364	37	555	577	467
7	9	2	93	1,379	1,382	1,151	0.364	0.369	0.381	0.364	34	509	527	419
7	9	3	87	1,287	1,286	1,048	0.367	0.365	0.378	0.364	32	470	487	381
7	9	4	79	1,225	1,221	977	0.365	0.371	0.384	0.364	29	454	469	355
7	9	5	64	1,198	1,186	916	0.364	0.378	0.386	0.364	23	453	458	333
7	9	6	51	629	606	352	0.368	0.374	0.383	0.364	19	235	232	128
7	9	7	41	(100)	(140)	(417)	0.372	0.359	0.375	0.370	15	(36)	(52)	(154)
7	9	8	43	(618)	(697)	(1,007)	0.370	0.381	0.365	0.386	16	(235)	(254)	(389)
7	9	9	33	(888)	(1,012)	(1,366)	0.367	0.384	0.384	0.000	12	(341)	(388)	-
7	9	10	40	(981)	(1,134)	(1,510)	0.367	0.384	0.384	0.000	15	(377)	(435)	-
7	9	11	47	(955)	(1,127)	(1,518)	0.367	0.384	0.384	0.000	17	(367)	(433)	-
7	9	12	56	(848)	(1,028)	(1,427)	0.367	0.384	0.384	0.000	21	(325)	(395)	-
7	9	13	68	(713)	(893)	(1,281)	0.364	0.384	0.384	0.000	25	(274)	(343)	-
7	9	14	68	(598)	(763)	(1,146)	0.366	0.384	0.384	0.000	25	(230)	(293)	-
7	9	15	85	(397)	(545)	(912)	0.365	0.384	0.380	0.000	31	(152)	(207)	-
7	9	16	101	(92)	(199)	(532)	0.374	0.384	0.384	0.386	38	(35)	(76)	(205)
7	9	17	116	467	407	118	0.384	0.359	0.370	0.376	44	168	151	44
7	9	18	131	1,182	1,177	939	0.386	0.382	0.387	0.373	50	451	455	351
7	9	19	136	1,791	1,814	1,594	0.388	0.394	0.389	0.385	53	706	706	613
7	9	20	136	2,026	2,059	1,846	0.388	0.405	0.400	0.389	53	822	823	718
7	9	21	132	1,998	2,018	1,809	0.387	0.401	0.396	0.388	51	801	798	702
7	9	22	125	1,947	1,976	1,766	0.381	0.396	0.391	0.383	48	772	773	676
7	9	23	115	1,831	1,865	1,648	0.373	0.390	0.385	0.376	43	714	718	619
7	9	24	118	1,834	1,857	1,641	0.364	0.380	0.384	0.364	43	697	712	597
7	10	1	103	1,502	1,513	1,287	0.364	0.371	0.382	0.364	38	557	578	468
7	10	2	94	1,375	1,378	1,148	0.364	0.369	0.381	0.364	34	507	526	418
7	10	3	87	1,284	1,282	1,045	0.367	0.365	0.378	0.364	32	468	485	380
7	10	4	79	1,218	1,214	970	0.365	0.371	0.384	0.364	29	451	467	353
7	10	5	63	1,199	1,187	917	0.364	0.378	0.386	0.364	23	453	458	334
7	10	6	58	1,170	1,146	892	0.368	0.374	0.383	0.364	21	437	439	325
7	10	7	56	1,044	1,003	726	0.372	0.359	0.375	0.370	21	374	376	269
7	10	8	58	529	472	180	0.370	0.381	0.365	0.386	21	202	172	70
7	10	9	52	413	331	14	0.367	0.384	0.384	0.000	19	158	127	-
7	10	10	60	336	234	(98)	0.367	0.384	0.384	0.000	22	129	90	-
7	10	11	63	68	(48)	(389)	0.367	0.384	0.384	0.000	23	26	(19)	-
7	10	12	71	1	(113)	(452)	0.367	0.384	0.384	0.000	26	1	(43)	-
7	10	13	90	509	399	74	0.364	0.384	0.384	0.000	33	196	153	-
7	10	14	95	669	582	268	0.366	0.384	0.384	0.000	35	257	223	-
7	10	15	117	1,139	1,070	773	0.365	0.384	0.380	0.000	43	437	407	-
7	10	16	130	1,411	1,369	1,093	0.374	0.384	0.384	0.386	49	542	526	422
7	10	17	128	1,190	1,165	906	0.384	0.359	0.370	0.376	49	428	431	341
7	10	18	133	1,475	1,482	1,254	0.386	0.382	0.387	0.373	51	563	573	468
7	10	19	135	1,947	1,969	1,747	0.388	0.394	0.389	0.385	52	767	766	672
7	10	20	133	1,992	2,024	1,810	0.388	0.405	0.400	0.389	52	808	809	704
7	10	21	131	1,999	2,018	1,809	0.387	0.401	0.396	0.388	51	801	799	702
7	10	22	125	1,950	1,978	1,768	0.381	0.396	0.391	0.383	48	773	774	677
7	10	23	112	1,773	1,806	1,588	0.373	0.390	0.385	0.376	42	691	695	597
7	10	24	113	1,745	1,767	1,549	0.364	0.380	0.384	0.364	41	664	678	563
7	11	1	98	1,395	1,405	1,177	0.364	0.371	0.382	0.364	36	517	537	428
7	11	2	89	1,263	1,265	1,033	0.364	0.369	0.381	0.364	33	466	482	376
7	11	3	84	1,194	1,192	953	0.367	0.365	0.378	0.364	31	436	451	347
7	11	4	78	1,180	1,176	932	0.365	0.371	0.384	0.364	28	437	452	339
7	11	5	65	1,173	1,161	891	0.364	0.378	0.386	0.364	24	443	448	324
7	11	6	56	604	583	332	0.368	0.374	0.383	0.364	20	226	223	121
7	11	7	51	(46)	(84)	(357)	0.372	0.359	0.375	0.370	19	(17)	(31)	(132)
7	11	8	58	(487)	(559)	(862)	0.370	0.381	0.365	0.386	21	(186)	(204)	(333)
7	11	9	51	(679)	(793)	(1,138)	0.367	0.384	0.384	0.000	19	(261)	(305)	-
7	11	10	58	(751)	(890)	(1,253)	0.367	0.384	0.384	0.000	21	(288)	(342)	-
7	11	11	65	(712)	(872)	(1,250)	0.367	0.384	0.384	0.000	24	(273)	(335)	-
7	11	12	73	(642)	(812)	(1,199)	0.367	0.384	0.384	0.000	27	(247)	(312)	-
7	11	13	82	(554)	(729)	(1,111)	0.364	0.384	0.384	0.000	30	(213)	(280)	-
7	11	14	84	(432)	(591)	(969)	0.366	0.384	0.384	0.000	31	(166)	(227)	-
7	11	15	99	(338)	(482)	(846)	0.365	0.384	0.380	0.000	36	(130)	(183)	-
7	11	16	114	(55)	(166)	(502)	0.374	0.384	0.384	0.386	43	(21)	(64)	(194)
7	11	17	125	317	254	(36)	0.384	0.359	0.370	0.376	48	114	94	(14)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	11	18	204	2,392	2,418	2,453	-	-	-	-	43	-	-	-	-	-	-	-	24	1,384	1,414	1,688	-	5	5	5	-	(2)	(0)	-	-	-	-	-	137	1,005	999	760	0.386	0.382	0.387	0.373	53	384	386	284
7	11	19	199	2,337	2,368	2,408	-	-	-	-	47	-	-	-	-	-	-	-	8	549	551	799	-	5	5	5	-	(5)	(1)	7	-	-	-	-	144	1,787	1,814	1,596	0.388	0.394	0.389	0.385	56	704	706	614
7	11	20	190	2,231	2,261	2,299	-	-	-	-	45	-	-	-	-	-	-	-	0	96	96	343	-	5	5	5	-	14	9	10	-	-	-	-	145	2,116	2,151	1,941	0.388	0.405	0.400	0.389	56	858	860	755
7	11	21	187	2,201	2,232	2,270	-	-	-	-	45	-	-	-	-	-	-	-	-	67	67	314	-	5	5	5	-	-	9	5	-	-	-	-	142	2,128	2,151	1,946	0.387	0.401	0.396	0.388	55	853	851	755
7	11	22	179	2,107	2,140	2,180	-	-	-	-	46	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	2	5	5	-	-	-	-	133	2,054	2,085	1,878	0.381	0.396	0.391	0.383	51	814	816	719
7	11	23	162	1,906	1,937	1,975	-	-	-	-	44	-	-	-	-	-	-	-	-	53	53	300	-	5	5	5	-	4	1	6	-	-	-	-	118	1,845	1,879	1,664	0.373	0.390	0.385	0.376	44	719	724	625
7	11	24	167	1,962	1,991	2,025	-	-	-	-	40	-	-	-	-	-	-	-	-	44	44	291	-	5	5	5	-	1	4	5	-	-	-	-	127	1,912	1,937	1,724	0.364	0.380	0.384	0.364	46	727	743	627
7	12	1	130	1,520	1,531	1,548	-	-	-	-	28	-	-	-	-	-	-	-	-	35	35	282	-	5	5	5	-	4	4	1	-	-	-	-	102	1,476	1,487	1,260	0.364	0.371	0.382	0.364	37	547	568	458
7	12	2	121	1,407	1,410	1,419	-	-	-	-	27	-	-	-	-	-	-	-	-	28	28	275	-	5	5	5	-	7	7	-	-	-	-	-	94	1,367	1,369	1,139	0.364	0.369	0.381	0.364	34	504	522	414
7	12	3	115	1,328	1,323	1,325	-	-	-	-	26	-	-	-	-	-	-	-	-	26	26	273	-	5	5	5	-	12	8	-	-	-	-	-	89	1,286	1,285	1,048	0.367	0.365	0.378	0.364	33	469	486	381
7	12	4	111	1,282	1,270	1,266	-	-	-	-	30	-	-	-	-	-	-	-	-	23	23	270	-	5	5	5	-	18	8	-	-	-	-	-	82	1,237	1,234	991	0.365	0.371	0.384	0.364	30	458	474	360
7	12	5	111	1,273	1,255	1,245	-	-	-	-	43	-	-	-	-	-	-	-	0	38	38	285	-	5	5	5	-	4	(3)	8	-	-	-	-	68	1,227	1,216	947	0.364	0.378	0.386	0.364	25	464	469	345
7	12	6	116	1,325	1,301	1,287	-	-	-	-	47	-	-	-	-	-	-	-	12	761	762	1,010	-	5	5	5	-	12	8	(4)	-	-	-	-	57	547	526	276	0.368	0.374	0.383	0.364	21	204	202	100
7	12	7	124	1,417	1,391	1,375	-	-	-	-	46	-	-	-	-	-	-	-	24	1,457	1,463	1,716	-	5	5	5	-	(4)	(2)	-	-	-	-	-	55	(40)	(75)	(346)	0.372	0.359	0.375	0.370	20	(14)	(28)	(128)
7	12	8	134	1,529	1,505	1,492	-	-	-	-	37	-	-	-	-	-	-	-	37	1,987	2,037	2,328	-	5	5	5	-	(4)	(2)	-	-	-	-	-	60	(459)	(535)	(841)	0.370	0.381	0.365	0.386	22	(175)	(195)	(324)
7	12	9	143	1,635	1,615	1,609	-	-	-	-	44	-	-	-	-	-	-	-	48	2,352	2,448	2,782	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	50	(704)	(826)	(1,178)	0.367	0.384	0.384	0.000	18	(270)	(317)	-
7	12	10	152	1,746	1,727	1,722	-	-	-	-	41	-	-	-	-	-	-	-	56	2,560	2,692	3,058	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	56	(802)	(954)	(1,329)	0.367	0.384	0.384	0.000	20	(308)	(366)	-
7	12	11	162	1,861	1,843	1,839	-	-	-	-	41	-	-	-	-	-	-	-	60	2,649	2,804	3,189	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	61	(777)	(950)	(1,340)	0.367	0.384	0.384	0.000	22	(298)	(365)	-
7	12	12	170	1,950	1,933	1,930	-	-	-	-	40	-	-	-	-	-	-	-	61	2,633	2,799	3,195	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	69	(672)	(854)	(1,254)	0.367	0.384	0.384	0.000	25	(258)	(328)	-
7	12	13	176	2,028	2,015	2,014	-	-	-	-	37	-	-	-	-	-	-	-	60	2,596	2,763	3,160	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	79	(561)	(744)	(1,134)	0.364	0.384	0.384	0.000	29	(215)	(286)	-
7	12	14	184	2,122	2,112	2,116	-	-	-	-	45	-	-	-	-	-	-	-	59	2,569	2,730	3,121	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	80	(443)	(613)	(999)	0.366	0.384	0.384	0.000	29	(170)	(235)	-
7	12	15	192	2,217	2,212	2,219	-	-	-	-	39	-	-	-	-	-	-	-	56	2,500	2,645	3,023	-	5	5	5	-	(1)	-	0	-	-	-	-	96	(287)	(439)	(809)	0.365	0.384	0.380	0.000	35	(110)	(167)	-
7	12	16	197	2,294	2,298	2,314	-	-	-	-	37	-	-	-	-	-	-	-	50	2,320	2,440	2,793	-	5	5	5	-	(1)	(2)	0	-	-	-	-	110	(31)	(145)	(485)	0.374	0.384	0.384	0.386	41	(12)	(56)	(187)
7	12	17	200	2,331	2,345	2,370	-	-	-	-	40	-	-	-	-	-	-	-	39	1,932	2,010	2,327	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	121	396	332	39	0.384	0.359	0.370	0.376	46	142	123	15
7	12	18	199	2,329	2,353	2,387	-	-	-	-	43	-	-	-	-	-	-	-	23	1,255	1,286	1,560	-	5	5	5	-	(2)	(0)	-	-	-	-	-	133	1,071	1,063	822	0.386	0.382	0.387	0.373	51	409	411	307
7	12	19	193	2,268	2,297	2,335	-	-	-	-	47	-	-	-	-	-	-	-	7	486	487	735	-	5	5	5	-	(5)	(1)	7	-	-	-	-	139	1,782	1,807	1,588	0.388	0.394	0.389	0.385	54	702	703	611
7	12	20	185	2,172	2,201	2,238	-	-	-	-	45	-	-	-	-	-	-	-	0	55	55	302	-	5	5	5	-	14	9	10	-	-	-	-	140	2,099	2,133	1,921	0.388	0.405	0.400	0.389	54	851	853	747
7	12	21	183	2,151	2,181	2,218	-	-	-	-	45	-	-	-	-	-	-	-	-	60	60	307	-	5	5	5	-	-	9	5	-	-	-	-	138	2,085	2,107	1,900	0.387	0.401	0.396	0.388	53	836	834	737
7	12	22	175	2,066	2,099	2,138	-	-	-	-	46	-	-	-	-	-	-	-	-	56	56	303	-	5	5	5	-	2	5	5	-	-	-	-	130	2,004	2,033	1,825	0.381	0.396	0.391	0.383	49	794	796	698
7	12	23	159	1,874	1,905	1,941	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	4	1	6	-	-	-	-	115	1,818	1,852	1,636	0.373	0.390	0.385	0.376	43	709	713	615
7	12	24	164	1,925	1,953	1,987	-	-	-	-	40	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	1	4	5	-	-	-	-	124	1,872	1,896	1,682	0.364	0.380	0.384	0.364	45	712	727	612
7	13	1	128	1,502	1,513	1,529	-	-	-	-	28	-	-	-	-	-	-	-	-	43	43	290	-	5	5	5	-	4	4	1	-	-	-	-	101	1,451	1,461	1,234	0.364	0.371	0.382	0.364	37	538	558	449
7	13	2	119	1,385	1,388	1,397	-	-	-	-	27	-	-	-	-	-	-	-	-	38	38	285	-	5	5	5	-	7	7	-	-	-	-	-	92	1,335	1,337	1,107	0.364	0.369	0.381	0.364	34	492	510	403
7	13	3	113	1,303	1,298	1,299	-	-	-	-	26	-	-	-	-	-	-	-	-	29	29	276	-	5	5	5	-	12	8	-	-	-	-	-	87	1,258	1,256	1,018	0.367	0.365	0.378	0.364	32	459	475	371
7	13	4	110	1,261	1,248	1,243	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	5	5	5	-	18	8	-	-	-	-	-	80	1,216	1,213	969	0.365	0.371	0.384	0.364	29	451	466	353
7	13	5	109	1,253	1,234	1,224	-	-	-	-	43	-	-	-	-	-	-	-	0	37	37	284	-	5	5	5	-	4	(3)	8	-	-	-	-	66	1,207	1,196	927	0.364	0.378	0.386	0.364	24	456	462	337
7	13	6	114	1,303	1,279	1,264	-	-	-	-	47	-	-	-	-	-	-	-	12	780	781	1,029	-	5	5	5	-	12	8	(4)	-	-	-	-	55	506	485	234	0.368	0.374	0.383	0.364	20	189	186	85
7	13	7	122	1,392	1,365	1,349	-	-	-	-	46	-	-	-	-	-	-	-	24	1,444	1,450	1,702	-	5	5	5	-	(4)	(2)	-	-	-	-	-	53	(52)	(87)	(359)	0.372	0.359	0.375	0.370	20	(19)	(33)	(133)
7	13	8	132	1,508	1,483	1,470	-	-	-	-	37	-	-	-	-	-	-	-	37	1,984	2,034	2,326	-	5	5	5	-	(4)	(2)	-	-	-	-	-	58	(478)	(554)	(861)	0.370	0.381	0.365	0.386	21	(182)	(202)	(332)
7	13	9	142	1,627	1,606	1,600	-	-	-	-	44	-	-	-	-	-	-	-	49	2,382	2,479	2,812	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	49	(743)	(865)	(1,217)	0.367	0.384	0.384	0.000	18	(285)	(332)	-
7	13	10	153	1,754	1,736	1,731	-	-	-	-	41	-	-	-	-	-	-	-	56	2,602	2,734	3,099	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	56	(836)	(987)	(1,361)	0.367	0.384	0.384	0.000	20	(321)	(379)	-
7	13	11	164	1,884	1,866	1,863	-	-	-	-	41	-	-	-	-	-	-	-	58	2,586	2,736	3,118	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	65	(690)	(858)	(1,244)	0.367	0.384	0.384	0.000	24	(265)	(330)	-
7	13	12	173	1,997	1,981	1,979	-	-	-	-	40	-	-	-	-	-	-	-	61	2,627	2,792	3,186	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	73	(619)	(799)	(1,196)	0.367	0.384	0.384	0.000	27	(238)	(307)	-
7	13	13	182	2,103	2,092	2,094	-	-	-	-	37	-	-	-	-	-	-	-	59	2,566	2,729	3,122	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	86	(455)	(632)	(1,016)	0.364	0.384	0.384	0.000	31	(175)	(243)	-
7	13	14	193	2,233	2,226	2,233	-	-	-	-	45	-	-	-	-	-	-	-	58	2,572	2,725	3,109	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	90	(335)	(494)	(870)	0.366	0.384	0.384	0.000	33	(129)	(190)	-
7	13	15	203	2,354	2,353	2,364	-	-	-	-	39	-	-	-	-	-	-	-	55	2,494	2,632	3,003	-	5	5	5	-	(1)	-	0	-	-	-	-	108	(144)	(284)	(644)	0.365	0.384	0.380	0.000	40	(55)	(108)	-
7	13	16	210	2,446	2,453	2,473	-	-	-	-	37	-	-	-	-	-	-	-	48	2,231	2,343	2,691	-	5	5	5	-	(1)	(2)	0	-	-	-	-	125	210	107	(223)	0.374	0.384	0.384	0.386	47	81	41	(86)
7	13	17	214	2,494	2,512	2,541	-	-	-	-	40	-	-	-	-	-	-	-	39	1,949	2,026	2,342	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	134	541	482	195	0.384	0.359	0.370	0.376	51	194	178	73
7	13	18	212	2,487	2,515	2,553	-	-	-	-	43	-	-	-	-	-	-	-	24	1,317	1,347	1,621	-	5	5	5	-	(2)	(0)	-	-	-	-	-	145	1,166	1,163	926	0.386	0.382	0.387	0.373	56	445	449	346
7	13	19	206	2,416	2,449	2,491	-	-	-	-	47	-	-	-	-	-	-	-	8	524	525	774	-	5	5	5	-	(5)	(1)	7	-	-	-	-	151	1,892	1,920	1,705	0.388	0.394	0.389	0.385	59	746	747	656
7	13	20	196	2,304	2,336	2,376	-	-	-	-	45	-	-	-	-	-	-	-	0	77	77	324	-	5	5	5	-	14	9	10	-	-	-	-	151	2,208	2,245	2,037	0.388	0.405	0.400	0.389	59	895	898	792
7	13	21	191	2,252	2,285	2,325	-	-	-	-	45	-	-	-	-	-	-	-	-	87	87	334	-	5	5	5	-	-	9	5	-	-	-	-	146	2,160	2,184	1,980	0.387	0.401	0.396	0.388	57	866	864	769
7	13	22	182	2,146	2,181	2,222	-	-	-	-	46	-	-	-	-	-	-	-	-	64	64	311	-	5	5	5	-	2	5	5	-	-	-	-	136	2,076	2,108	1,902	0.381	0.396	0.391	0.383	52	823	825	728
7	13	23	164	1,938	1,971	2,009	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	4	1	6	-	-	-	-	121	1,883	1,918	1,704	0.373	0.390	0.385	0.376	45	734	739	640
7	13	24	169	1,991	2,020	2,056	-	-	-	-	40	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	1	4	5	-	-	-	-	129	1,946	1,973	1,760	0.364	0.380	0.384	0.364	47	740	757	640
7	14	1	131	1,538	1,550	1,567	-	-	-	-	28	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	4	4	1	-	-	-	-	104	1,496	1,508	1,281	0.364	0.371	0.382	0.364	38	555	576	466
7	14	2	122	1,415	1,419	1,428	-	-	-	-	27	-	-	-	-	-	-	-	-	25	25	272	-	5	5	5	-	7	7	-	-	-	-	-	95	1,378	1,381	1,151	0.364	0.369	0.381	0.364	35	508	527	419
7	14	3	115	1,330	1,326	1,328	-	-	-	-	26	-	-	-	-	-	-	-	-	16	16	263	-	5	5	5	-	12	8	-	-	-	-	-	89	1,298	1,297	1,060	0.367	0.365	0.378	0.364	33	473	491	386
7	14	4	111	1,281	1,269	1,264	-	-	-	-	30	-	-	-	-	-	-	-	-	8	8	255	-	5	5	5	-	18	8	-	-	-	-	-	82	1,251	1,248	1,005	0.365	0.371	0.384	0.364	30	463	479	366
7	14	5	111	1,271	1,253	1,242	-	-	-	-	43	-	-	-	-	-	-	-	0	5	5	252	-	5	5	5	-	4	(3)	8	-	-	-	-	68	1,257	1,246	977	0.364	0.378	0.386	0.364	25	475	481	355
7	14	6	115	1,315	1,291	1,276	-	-	-	-	47	-	-	-	-	-	-	-	3	207	208	456	-	5	5	5	-	12	8	(4)	-	-	-	-	65	1,091	1,070	819	0.368	0.374	0.383	0.364	24	408	410	298
7	14	7	124	1,409	1,382	1,366	-	-	-	-	46	-	-	-	-	-	-	-	11	652	657	909	-	5	5	5	-	(4)	(2)	-	-	-	-	-	67	757	722	451	0.372	0.359	0.375	0.370	25	271	271	167
7	14	8	133	1,521	1,496	1,483	-	-	-	-	37	-	-	-	-	-	-	-	24	1,253	1,292	1,574	-	5	5	5	-	(4)	(2)	-	-	-	-	-	72	267	201	(96)	0.370	0.381	0.365	0.386	27	102	73	(37)
7	14	9	143	1,641	1,621	1,614	-	-	-	-	44	-	-	-	-	-	-	-	40	1,904	1,987	2,309	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	59	(251)	(359)	(699)	0.367	0.384	0.384	0.000	22	(96)	(138)	-
7	14	10	154	1,769	1,750	1,745	-	-	-	-	41	-	-	-	-	-	-	-	46	2,075	2,192	2,544	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	67	(295)	(431)	(791)	0.367	0.384	0.384	0.000	25	(113)	(165)	-
7	14	11	166	1,911	1,894	1,891	-	-	-	-	41	-	-	-	-	-	-	-	56	2,521	2,660	3,033	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	69	(598)	(755)	(1,130)	0.367	0.384	0.384	0.000	25	(230)	(290)	-
7	14	12	177	2,039	2,024	2,022	-	-	-	-	40	-	-	-	-	-	-	-	58	2,558	2,710	3,092	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	79	(509)	(675)	(1,059)	0.367	0.384	0.384	0.000	29	(195)	(259)	-
7	14	13	186	2,144	2,133	2,136	-	-	-	-	37	-	-	-	-	-	-	-	57	2,522	2,671	3,050	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	92	(372)	(533)	(903)	0.364	0.384	0.384	0.000	33	(143)	(205)	-
7	14	14	196	2,264	2,258	2,265	-	-	-	-	45	-	-	-	-	-	-	-	55	2,435	2,578	2,954	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	96	(167)	(316)	(683)	0.366	0.384	0.384	0.000	35	(64)	(121)	-
7	14	15	205	2,378	2,377	2,388	-	-	-	-	39	-	-	-	-	-	-	-	51	2,332	2,455	2,812	-	5	5	5	-	(1)	-	0	-	-	-	-	115	42	(83)	(429)	0.365	0.384	0.380	0.000	42	16	(32)	-
7	14	16	212	2,463	2,471	2,492	-	-	-	-	37	-	-	-	-	-	-	-	40	1,814	1,912	2,246	-	5	5	5	-	(1)	(2)	0	-	-	-	-	135	645	556	241	0.374	0.384	0.384	0.386	50	248	214	93
7	14	17	215	2,508	2,526	2,555	-	-	-	-	40	-	-	-	-	-	-	-	33	1,590	1,660	1,969	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	142	915	863	582	0.384	0.359	0.370	0.376	54	329	319	219
7	14	18	215	2,516	2,545	2,583	-	-	-	-	43	-	-	-	-	-	-	-	19	1,047	1,073	1,344	-	5	5	5	-	(2)	(0)	-	-	-	-	-	152	1,466	1,467	1,235	0.386	0.382	0.387	0.373	59	560	567	461
7	14	19	209	2,458	2,492	2,535	-	-	-	-	47	-	-	-	-	-	-	-	5	377	378	627	-	5	5	5	-	(5)	(1)	7	-	-	-	-	157	2,081	2,110	1,896	0.388	0.394	0.389	0.385	61	820	821	729
7	14	20	201	2,357	2,391	2,432	-	-	-	-	45	-	-	-	-	-	-	-	0	53	53	300	-	5	5	5	-	14	9	10	-	-	-	-	156	2,286	2,324	2,117	0.388	0.405	0.400	0.389	60	927	929	824
7	14	21	195	2,296	2,330	2,371	-	-	-	-	45	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	-	9	5	-	-	-	-	150	2,236	2,261	2,059	0.387	0.401	0.396	0.388	58	897	895	799
7	14	22	185	2,185	2,221	2,263	-	-	-	-	46	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	2	5	5	-	-	-	-	140	2,128	2,161	1,956	0.381	0.396	0.391	0.383	53	844	846	748
7	14	23	168	1,975	2,009	2,047	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	4	1	6	-	-	-	-	124	1,920	1,957	1,743	0.373	0.390	0.385	0.376	46	748	753	655
7	14	24	173	2,031	2,062	2,098	-	-	-	-	40	-	-	-	-	-	-	-	-	43	43	290	-	5	5	5	-	1	4	5	-	-	-	-	133	1,982	2,010	1,798	0.364	0.380	0.384	0.364	48	754	771	654
7	15	1	134	1,565	1,578	1,596	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	4	4	1	-	-	-	-	106	1,514	1,526	1,301	0.364	0.371	0.382	0.364	39	561	583	473
7	15	2	123	1,437	1,441	1,451	-	-	-	-	27	-	-	-	-	-	-	-	-	37	37	284	-	5	5	5	-	7	7	-	-	-	-	-	97	1,388	1,391	1,162	0.364	0.369	0.381	0.364	35	512	531	423
7	15	3	117	1,351	1,347	1,349	-	-	-	-	26	-	-	-	-	-	-	-	-	32	32	279	-	5	5	5	-	12	8	-	-	-	-	-	91	1,302	1,301	1,065	0.367	0.365	0.378	0.364	33	475	493	388
7	15	4	112	1,294	1,282	1,278	-	-	-	-	30	-	-	-	-	-	-	-	-	29	29	276	-	5	5	5	-	18	8	-	-	-	-	-	83	1,242	1,240	997	0.365	0.371	0.384	0.364	30	460	476	363
7	15	5	111	1,277	1,259	1,248	-	-	-	-	43	-	-	-	-	-	-	-	0	23	23	270	-	5	5	5	-	4	(3)	8	-	-	-	-	69	1,245	1,234	965	0.364	0.378	0.386	0.364	25	471	476	351
7	15	6	116	1,320	1,296	1,281	-	-	-	-	47	-	-	-	-	-	-	-	2	141	141	389	-	5	5	5	-	12	8	(4)	-	-	-	-	67	1,162	1,142	891	0.368	0.374	0.383	0.364	25	435	437	324
7	15	7	124	1,409	1,382	1,365	-	-	-	-	46	-	-	-	-	-	-	-	6	340	346	598	-	5	5	5	-	(4)	(2)	-	-	-	-	-	72	1,068	1,033	762	0.372	0.359	0.375	0.370	27	383	387	282
7	15	8	133	1,522	1,497	1,484	-	-	-	-	37	-	-	-	-	-	-	-	20	934	975	1,259	-	5	5	5	-	(4)	(2)	-	-	-	-	-	77	587	519	220	0.370	0.381	0.365	0.386	28	224	189	85
7	15	9	143	1,635	1,614	1,608	-	-	-	-	44	-	-	-	-	-	-	-	31	1,353	1,435	1,755	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	67	295	187	(152)	0.367	0.384	0.384	0.000	25	113	72	-
7	15	10	151	1,735	1,715	1,710	-	-	-	-	41	-	-	-	-	-	-	-	40	1,692	1,808	2,160	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	70	55	(81)	(442)	0.367	0.384	0.384	0.000	26	21	(31)	-
7	15	11	162	1,861	1,843	1,838	-	-	-	-	41	-	-	-	-	-	-	-	46	1,909	2,047	2,418	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	75	(36)	(193)	(569)	0.367	0.384	0.384	0.000	27	(14)	(74)	-
7	15	12	172	1,974	1,957	1,954	-	-	-	-	40	-	-	-	-	-	-	-	57	2,514	2,666	3,050	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	74	(529)	(698)	(1,084)	0.367	0.384	0.384	0.000	27	(203)	(268)	-
7	15	13	179	2,070	2,057	2,058	-	-	-	-	37	-	-	-	-	-	-	-	58	2,495	2,658	3,051	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	84	(418)	(596)	(981)	0.364	0.384	0.384	0.000	31	(160)	(229)	-
7	15	14	188	2,174	2,166	2,171	-	-	-	-	45	-	-	-	-	-	-	-	58	2,556	2,713	3,100	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	85	(378)	(542)	(924)	0.366	0.384	0.384	0.000	31	(145)	(208)	-
7	15	15	196	2,274	2,270	2,279	-	-	-	-	39	-	-	-	-	-	-	-	56	2,559	2,704	3,081	-	5	5	5	-	(1)	-	0	-	-	-	-	101	(288)	(438)	(806)	0.365	0.384	0.380	0.000	37	(111)	(167)	-
7	15	16	204	2,366	2,372	2,390	-	-	-	-	37	-	-	-	-	-	-	-	51	2,403	2,523	2,877	-	5	5	5	-	(1)	(2)	0	-	-	-	-	116	(40)	(153)	(492)	0.374	0.384	0.384	0.386	43	(16)	(59)	(190)
7	15	17	208	2,425	2,442	2,469	-	-	-	-	40	-	-	-	-	-	-	-	40	2,028	2,107	2,426	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	128	395	331	39	0.384	0.359	0.370	0.376	49	142	122	15
7	15	18	207	2,427	2,453	2,489	-	-	-	-	43	-	-	-	-	-	-	-	23	1,318	1,348	1,622	-	5	5	5	-	(2)	(0)	-	-	-	-	-	141	1,106	1,101	863	0.386	0.382	0.387	0.373	54	422	425	322
7	15	19	201	2,363	2,395	2,436	-	-	-	-	47	-	-	-	-	-	-	-	7	520	521	770	-	5	5	5	-	(5)	(1)	7	-	-	-	-	147	1,844	1,870	1,654	0.388	0.394	0.389	0.385	57	727	728	636
7	15	20	191	2,243	2,273	2,312	-	-	-	-	45	-	-	-	-	-	-	-	0	84	84	331	-	5	5	5	-	14	9	10	-	-	-	-	146	2,140	2,176	1,966	0.388	0.405	0.400	0.389	57	868	870	764
7	15	21	186	2,182	2,212	2,250	-	-	-	-	45	-	-	-	-	-	-	-	-	63	63	310	-	5	5	5	-	-	9	5	-	-	-	-	140	2,114	2,136	1,930	0.387	0.401	0.396	0.388	54	847	845	749
7	15	22	176	2,074	2,107	2,147	-	-	-	-	46	-	-	-	-	-	-	-	-	50	50	297	-	5	5	5	-	2	5	5	-	-	-	-	130	2,018	2,049	1,841	0.381	0.396	0.391	0.383	50	800	802	704
7	15	23	161	1,895	1,927	1,963	-	-	-	-	44	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	4	1	6	-	-	-	-	117	1,844	1,879	1,663	0.373	0.390	0.385	0.376	44	719	723	625
7	15	24	168	1,973	2,002	2,037	-	-	-	-	40	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	1	4	5	-	-	-	-	128	1,925	1,951	1,738	0.364	0.380	0.384	0.364	47	732	748	632
7	16	1	131	1,528	1,540	1,557	-	-	-	-	28	-	-	-	-	-	-	-	-	38	38	285	-	5	5	5	-	4	4	1	-	-	-	-	103	1,482	1,493	1,266	0.364	0.371	0.382	0.364	38	549	571	461
7	16	2	121	1,403	1,406	1,416	-	-	-	-	27	-	-	-	-	-	-	-	-	34	34	281	-	5	5	5	-	7	7	-	-	-	-	-	94	1,358	1,360	1,130	0.364	0.369	0.381	0.364	34	501	519	411
7	16	3	114	1,315	1,310	1,312	-	-	-	-	26	-	-	-	-	-	-	-	-	31	31	278	-	5	5	5	-	12	8	-	-	-	-	-	88	1,267	1,265	1,028	0.367	0.365	0.378	0.364	32	462	479	374
7	16	4	110	1,262	1,250	1,244	-	-	-	-	30	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	18	8	-	-	-	-	-	80	1,207	1,204	960	0.365	0.371	0.384	0.364	29	447	462	349

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	16	5	108	1,233	1,214	1,202	-	-	-	-	43	-	-	-	-	-	-	-	0	39	39	286	-	5	5	5	-	4	(3)	8	-	-	-	-	65	1,185	1,174	904	0.364	0.378	0.386	0.364	24	448	453	329
7	16	6	108	1,231	1,206	1,189	-	-	-	-	47	-	-	-	-	-	-	-	12	736	737	985	-	5	5	5	-	12	8	(4)	-	-	-	-	50	478	456	203	0.368	0.374	0.383	0.364	18	179	175	74
7	16	7	109	1,240	1,210	1,189	-	-	-	-	46	-	-	-	-	-	-	-	23	1,437	1,443	1,696	-	5	5	5	-	(4)	(2)	-	-	-	-	-	40	(196)	(235)	(511)	0.372	0.359	0.375	0.370	15	(70)	(88)	(189)
7	16	8	115	1,300	1,270	1,252	-	-	-	-	37	-	-	-	-	-	-	-	37	1,954	2,003	2,293	-	5	5	5	-	(4)	(2)	-	-	-	-	-	41	(655)	(736)	(1,047)	0.370	0.381	0.365	0.386	15	(250)	(268)	(404)
7	16	9	123	1,403	1,378	1,365	-	-	-	-	44	-	-	-	-	-	-	-	47	2,306	2,401	2,733	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	31	(890)	(1,016)	(1,373)	0.367	0.384	0.384	0.000	12	(342)	(390)	-
7	16	10	134	1,526	1,502	1,491	-	-	-	-	41	-	-	-	-	-	-	-	55	2,508	2,638	3,001	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	38	(970)	(1,125)	(1,503)	0.367	0.384	0.384	0.000	14	(373)	(432)	-
7	16	11	144	1,643	1,619	1,609	-	-	-	-	41	-	-	-	-	-	-	-	59	2,605	2,757	3,141	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	44	(950)	(1,126)	(1,520)	0.367	0.384	0.384	0.000	16	(365)	(433)	-
7	16	12	152	1,739	1,717	1,708	-	-	-	-	40	-	-	-	-	-	-	-	60	2,620	2,785	3,179	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	51	(870)	(1,056)	(1,460)	0.367	0.384	0.384	0.000	19	(334)	(406)	-
7	16	13	160	1,837	1,819	1,814	-	-	-	-	37	-	-	-	-	-	-	-	60	2,612	2,778	3,173	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	63	(768)	(954)	(1,348)	0.364	0.384	0.384	0.000	23	(295)	(366)	-
7	16	14	167	1,926	1,912	1,910	-	-	-	-	45	-	-	-	-	-	-	-	59	2,608	2,769	3,159	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	63	(678)	(852)	(1,243)	0.366	0.384	0.384	0.000	23	(261)	(327)	-
7	16	15	175	2,020	2,010	2,012	-	-	-	-	39	-	-	-	-	-	-	-	57	2,577	2,722	3,100	-	5	5	5	-	(1)	-	0	-	-	-	-	79	(561)	(717)	(1,092)	0.365	0.384	0.380	0.000	29	(215)	(273)	-
7	16	16	182	2,113	2,113	2,125	-	-	-	-	37	-	-	-	-	-	-	-	51	2,381	2,501	2,855	-	5	5	5	-	(1)	(2)	0	-	-	-	-	95	(272)	(391)	(735)	0.374	0.384	0.384	0.386	35	(104)	(150)	(284)
7	16	17	187	2,179	2,190	2,211	-	-	-	-	40	-	-	-	-	-	-	-	40	2,042	2,122	2,441	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	107	134	64	(234)	0.384	0.359	0.370	0.376	41	48	24	(88)
7	16	18	188	2,195	2,216	2,246	-	-	-	-	43	-	-	-	-	-	-	-	24	1,372	1,403	1,678	-	5	5	5	-	(2)	(0)	-	-	-	-	-	121	820	809	563	0.386	0.382	0.387	0.373	47	313	313	210
7	16	19	182	2,140	2,167	2,201	-	-	-	-	47	-	-	-	-	-	-	-	7	545	547	796	-	5	5	5	-	(5)	(1)	7	-	-	-	-	128	1,594	1,616	1,394	0.388	0.394	0.389	0.385	50	628	629	536
7	16	20	174	2,040	2,066	2,099	-	-	-	-	45	-	-	-	-	-	-	-	0	67	67	314	-	5	5	5	-	14	9	10	-	-	-	-	129	1,954	1,985	1,770	0.388	0.405	0.400	0.389	50	792	794	689
7	16	21	171	2,008	2,035	2,069	-	-	-	-	45	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	-	9	5	-	-	-	-	126	1,948	1,966	1,756	0.387	0.401	0.396	0.388	49	781	778	682
7	16	22	164	1,932	1,962	1,997	-	-	-	-	46	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	2	5	5	-	-	-	-	118	1,871	1,898	1,686	0.381	0.396	0.391	0.383	45	742	743	645
7	16	23	152	1,785	1,814	1,848	-	-	-	-	44	-	-	-	-	-	-	-	-	60	60	307	-	5	5	5	-	4	1	6	-	-	-	-	108	1,716	1,748	1,530	0.373	0.390	0.385	0.376	40	669	673	575
7	16	24	152	1,790	1,815	1,845	-	-	-	-	40	-	-	-	-	-	-	-	-	61	61	308	-	5	5	5	-	1	4	5	-	-	-	-	112	1,723	1,744	1,526	0.364	0.380	0.384	0.364	41	655	669	555
7	17	1	125	1,466	1,476	1,492	-	-	-	-	28	-	-	-	-	-	-	-	-	54	54	301	-	5	5	5	-	4	4	1	-	-	-	-	98	1,403	1,413	1,185	0.364	0.371	0.382	0.364	36	520	540	431
7	17	2	116	1,354	1,356	1,364	-	-	-	-	27	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	7	7	-	-	-	-	-	90	1,301	1,303	1,071	0.364	0.369	0.381	0.364	33	480	497	390
7	17	3	110	1,269	1,263	1,264	-	-	-	-	26	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	12	8	-	-	-	-	-	84	1,211	1,209	971	0.367	0.365	0.378	0.364	31	442	458	353
7	17	4	106	1,214	1,201	1,194	-	-	-	-	30	-	-	-	-	-	-	-	-	35	35	282	-	5	5	5	-	18	8	-	-	-	-	-	76	1,156	1,152	907	0.365	0.371	0.384	0.364	28	428	443	330
7	17	5	103	1,179	1,159	1,146	-	-	-	-	43	-	-	-	-	-	-	-	0	43	43	290	-	5	5	5	-	4	(3)	8	-	-	-	-	60	1,127	1,114	842	0.364	0.378	0.386	0.364	22	426	430	307
7	17	6	102	1,163	1,136	1,118	-	-	-	-	47	-	-	-	-	-	-	-	12	743	744	992	-	5	5	5	-	12	8	(4)	-	-	-	-	44	404	379	125	0.368	0.374	0.383	0.364	16	151	145	45
7	17	7	102	1,153	1,120	1,098	-	-	-	-	46	-	-	-	-	-	-	-	23	1,426	1,432	1,685	-	5	5	5	-	(4)	(2)	-	-	-	-	-	33	(273)	(314)	(592)	0.372	0.359	0.375	0.370	12	(98)	(118)	(219)
7	17	8	106	1,192	1,160	1,139	-	-	-	-	37	-	-	-	-	-	-	-	37	1,975	2,023	2,312	-	5	5	5	-	(4)	(2)	-	-	-	-	-	32	(784)	(866)	(1,178)	0.370	0.381	0.365	0.386	12	(299)	(316)	(455)
7	17	9	113	1,280	1,251	1,236	-	-	-	-	44	-	-	-	-	-	-	-	48	2,345	2,439	2,770	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	20	(1,052)	(1,180)	(1,539)	0.367	0.384	0.384	0.000	8	(404)	(453)	-
7	17	10	121	1,376	1,348	1,333	-	-	-	-	41	-	-	-	-	-	-	-	56	2,564	2,694	3,058	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	25	(1,176)	(1,335)	(1,718)	0.367	0.384	0.384	0.000	9	(452)	(513)	-
7	17	11	131	1,494	1,468	1,454	-	-	-	-	41	-	-	-	-	-	-	-	59	2,650	2,802	3,186	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	31	(1,144)	(1,323)	(1,721)	0.367	0.384	0.384	0.000	11	(439)	(508)	-
7	17	12	140	1,600	1,575	1,562	-	-	-	-	40	-	-	-	-	-	-	-	61	2,670	2,834	3,228	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	39	(1,058)	(1,248)	(1,655)	0.367	0.384	0.384	0.000	14	(406)	(479)	-
7	17	13	149	1,704	1,683	1,675	-	-	-	-	37	-	-	-	-	-	-	-	60	2,623	2,788	3,182	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	52	(912)	(1,100)	(1,496)	0.364	0.384	0.384	0.000	19	(350)	(422)	-
7	17	14	157	1,811	1,794	1,790	-	-	-	-	45	-	-	-	-	-	-	-	59	2,637	2,795	3,183	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	54	(823)	(996)	(1,387)	0.366	0.384	0.384	0.000	20	(316)	(382)	-
7	17	15	166	1,917	1,905	1,904	-	-	-	-	39	-	-	-	-	-	-	-	56	2,552	2,696	3,072	-	5	5	5	-	(1)	-	0	-	-	-	-	71	(639)	(796)	(1,173)	0.365	0.384	0.380	0.000	26	(246)	(303)	-
7	17	16	174	2,012	2,009	2,018	-	-	-	-	37	-	-	-	-	-	-	-	50	2,365	2,482	2,834	-	5	5	5	-	(1)	(2)	0	-	-	-	-	86	(357)	(476)	(822)	0.374	0.384	0.384	0.386	32	(137)	(183)	(317)
7	17	17	179	2,086	2,094	2,113	-	-	-	-	40	-	-	-	-	-	-	-	40	1,996	2,073	2,389	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	100	87	18	(280)	0.384	0.359	0.370	0.376	38	31	7	(105)
7	17	18	181	2,116	2,135	2,163	-	-	-	-	43	-	-	-	-	-	-	-	24	1,383	1,412	1,686	-	5	5	5	-	(2)	(0)	-	-	-	-	-	114	730	719	473	0.386	0.382	0.387	0.373	44	279	278	177
7	17	19	179	2,096	2,121	2,155	-	-	-	-	47	-	-	-	-	-	-	-	8	541	542	791	-	5	5	5	-	(5)	(1)	7	-	-	-	-	124	1,554	1,575	1,352	0.388	0.394	0.389	0.385	48	613	613	520
7	17	20	172	2,022	2,047	2,080	-	-	-	-	45	-	-	-	-	-	-	-	0	79	79	326	-	5	5	5	-	14	9	10	-	-	-	-	127	1,924	1,954	1,739	0.388	0.405	0.400	0.389	49	780	781	676
7	17	21	171	2,013	2,040	2,074	-	-	-	-	45	-	-	-	-	-	-	-	-	77	77	324	-	5	5	5	-	-	9	5	-	-	-	-	126	1,931	1,949	1,739	0.387	0.401	0.396	0.388	49	774	771	675
7	17	22	165	1,943	1,973	2,009	-	-	-	-	46	-	-	-	-	-	-	-	-	69	69	316	-	5	5	5	-	2	5	5	-	-	-	-	119	1,868	1,895	1,683	0.381	0.396	0.391	0.383	46	740	742	644
7	17	23	151	1,774	1,803	1,837	-	-	-	-	44	-	-	-	-	-	-	-	-	64	64	311	-	5	5	5	-	4	1	6	-	-	-	-	107	1,702	1,733	1,514	0.373	0.390	0.385	0.376	40	663	667	569
7	17	24	145	1,700	1,723	1,751	-	-	-	-	40	-	-	-	-	-	-	-	-	62	62	309	-	5	5	5	-	1	4	5	-	-	-	-	105	1,632	1,652	1,431	0.364	0.380	0.384	0.364	38	621	634	521
7	18	1	122	1,430	1,440	1,454	-	-	-	-	28	-	-	-	-	-	-	-	-	62	62	309	-	5	5	5	-	4	4	1	-	-	-	-	95	1,359	1,368	1,139	0.364	0.371	0.382	0.364	35	504	523	414
7	18	2	114	1,323	1,324	1,332	-	-	-	-	27	-	-	-	-	-	-	-	-	52	52	299	-	5	5	5	-	7	7	-	-	-	-	-	87	1,259	1,260	1,028	0.364	0.369	0.381	0.364	32	464	481	374
7	18	3	109	1,254	1,248	1,248	-	-	-	-	26	-	-	-	-	-	-	-	-	50	50	297	-	5	5	5	-	12	8	-	-	-	-	-	83	1,188	1,185	946	0.367	0.365	0.378	0.364	30	433	448	344
7	18	4	106	1,224	1,210	1,204	-	-	-	-	30	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	18	8	-	-	-	-	-	77	1,155	1,151	907	0.365	0.371	0.384	0.364	28	428	442	330
7	18	5	107	1,225	1,205	1,194	-	-	-	-	43	-	-	-	-	-	-	-	0	55	55	302	-	5	5	5	-	4	(3)	8	-	-	-	-	64	1,161	1,149	879	0.364	0.378	0.386	0.364	23	439	443	320
7	18	6	112	1,280	1,256	1,241	-	-	-	-	47	-	-	-	-	-	-	-	12	765	766	1,014	-	5	5	5	-	12	8	(4)	-	-	-	-	54	499	477	226	0.368	0.374	0.383	0.364	20	186	183	82
7	18	7	120	1,365	1,337	1,320	-	-	-	-	46	-	-	-	-	-	-	-	24	1,477	1,484	1,737	-	5	5	5	-	(4)	(2)	-	-	-	-	-	50	(113)	(149)	(422)	0.372	0.359	0.375	0.370	19	(41)	(56)	(156)
7	18	8	130	1,483	1,457	1,444	-	-	-	-	37	-	-	-	-	-	-	-	36	1,986	2,033	2,322	-	5	5	5	-	(4)	(2)	-	-	-	-	-	57	(505)	(579)	(883)	0.370	0.381	0.365	0.386	21	(192)	(211)	(341)
7	18	9	141	1,611	1,590	1,584	-	-	-	-	44	-	-	-	-	-	-	-	47	2,366	2,455	2,782	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	49	(742)	(857)	(1,203)	0.367	0.384	0.384	0.000	18	(285)	(329)	-
7	18	10	152	1,741	1,722	1,717	-	-	-	-	41	-	-	-	-	-	-	-	54	2,550	2,670	3,026	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	57	(796)	(937)	(1,302)	0.367	0.384	0.384	0.000	21	(306)	(360)	-
7	18	11	162	1,865	1,847	1,842	-	-	-	-	41	-	-	-	-	-	-	-	57	2,631	2,771	3,143	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	64	(755)	(913)	(1,290)	0.367	0.384	0.384	0.000	23	(290)	(351)	-
7	18	12	172	1,978	1,962	1,959	-	-	-	-	40	-	-	-	-	-	-	-	59	2,661	2,815	3,199	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	73	(672)	(842)	(1,229)	0.367	0.384	0.384	0.000	27	(258)	(323)	-
7	18	13	180	2,078	2,066	2,067	-	-	-	-	37	-	-	-	-	-	-	-	59	2,631	2,787	3,174	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	84	(546)	(717)	(1,096)	0.364	0.384	0.384	0.000	31	(210)	(275)	-
7	18	14	189	2,186	2,178	2,184	-	-	-	-	45	-	-	-	-	-	-	-	58	2,635	2,789	3,173	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	86	(445)	(605)	(984)	0.366	0.384	0.384	0.000	31	(171)	(232)	-
7	18	15	198	2,296	2,292	2,302	-	-	-	-	39	-	-	-	-	-	-	-	55	2,550	2,691	3,064	-	5	5	5	-	(1)	-	0	-	-	-	-	103	(259)	(403)	(767)	0.365	0.384	0.380	0.000	38	(99)	(153)	-
7	18	16	206	2,398	2,404	2,423	-	-	-	-	37	-	-	-	-	-	-	-	50	2,391	2,507	2,858	-	5	5	5	-	(1)	(2)	0	-	-	-	-	119	3	(106)	(441)	0.374	0.384	0.384	0.386	45	1	(41)	(170)
7	18	17	211	2,462	2,480	2,508	-	-	-	-	40	-	-	-	-	-	-	-	40	2,029	2,107	2,425	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	131	431	369	79	0.384	0.359	0.370	0.376	50	155	136	30
7	18	18	211	2,472	2,500	2,537	-	-	-	-	43	-	-	-	-	-	-	-	24	1,381	1,413	1,688	-	5	5	5	-	(2)	(0)	-	-	-	-	-	144	1,088	1,082	844	0.386	0.382	0.387	0.373	56	415	418	315
7	18	19	205	2,415	2,448	2,490	-	-	-	-	47	-	-	-	-	-	-	-	7	549	550	799	-	5	5	5	-	(5)	(1)	7	-	-	-	-	151	1,866	1,894	1,679	0.388	0.394	0.389	0.385	59	735	737	646
7	18	20	196	2,305	2,337	2,377	-	-	-	-	45	-	-	-	-	-	-	-	0	97	97	344	-	5	5	5	-	14	9	10	-	-	-	-	151	2,189	2,226	2,018	0.388	0.405	0.400	0.389	59	887	890	785
7	18	21	192	2,256	2,288	2,328	-	-	-	-	45	-	-	-	-	-	-	-	-	78	78	325	-	5	5	5	-	-	9	5	-	-	-	-	146	2,173	2,196	1,993	0.387	0.401	0.396	0.388	57	871	869	773
7	18	22	182	2,142	2,177	2,218	-	-	-	-	46	-	-	-	-	-	-	-	-	59	59	306	-	5	5	5	-	2	5	5	-	-	-	-	136	2,077	2,109	1,903	0.381	0.396	0.391	0.383	52	824	825	728
7	18	23	164	1,930	1,962	2,000	-	-	-	-	44	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	4	1	6	-	-	-	-	120	1,866	1,901	1,687	0.373	0.390	0.385	0.376	45	727	732	634
7	18	24	168	1,972	2,001	2,036	-	-	-	-	40	-	-	-	-	-	-	-	-	60	60	307	-	5	5	5	-	1	4	5	-	-	-	-	128	1,906	1,932	1,719	0.364	0.380	0.384	0.364	46	725	741	625
7	19	1	131	1,532	1,544	1,561	-	-	-	-	28	-	-	-	-	-	-	-	-	57	57	304	-	5	5	5	-	4	4	1	-	-	-	-	103	1,466	1,477	1,251	0.364	0.371	0.382	0.364	38	543	565	455
7	19	2	121	1,410	1,414	1,423	-	-	-	-	27	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	7	7	-	-	-	-	-	94	1,348	1,351	1,121	0.364	0.369	0.381	0.364	34	497	515	408
7	19	3	115	1,328	1,323	1,325	-	-	-	-	26	-	-	-	-	-	-	-	-	60	60	307	-	5	5	5	-	12	8	-	-	-	-	-	89	1,252	1,251	1,014	0.367	0.365	0.378	0.364	33	457	473	369
7	19	4	111	1,276	1,264	1,259	-	-	-	-	30	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	18	8	-	-	-	-	-	81	1,199	1,197	953	0.365	0.371	0.384	0.364	30	444	460	347
7	19	5	111	1,266	1,248	1,237	-	-	-	-	43	-	-	-	-	-	-	-	0	59	59	306	-	5	5	5	-	4	(3)	8	-	-	-	-	68	1,198	1,187	918	0.364	0.378	0.386	0.364	25	453	458	334
7	19	6	115	1,317	1,294	1,279	-	-	-	-	47	-	-	-	-	-	-	-	12	786	787	1,034	-	5	5	5	-	12	8	(4)	-	-	-	-	57	515	494	244	0.368	0.374	0.383	0.364	21	193	189	89
7	19	7	123	1,397	1,370	1,354	-	-	-	-	46	-	-	-	-	-	-	-	24	1,479	1,485	1,738	-	5	5	5	-	(4)	(2)	-	-	-	-	-	53	(83)	(118)	(389)	0.372	0.359	0.375	0.370	20	(30)	(44)	(144)
7	19	8	133	1,523	1,499	1,486	-	-	-	-	37	-	-	-	-	-	-	-	37	2,014	2,063	2,354	-	5	5	5	-	(4)	(2)	-	-	-	-	-	59	(492)	(567)	(873)	0.370	0.381	0.365	0.386	22	(187)	(207)	(337)
7	19	9	145	1,663	1,643	1,638	-	-	-	-	44	-	-	-	-	-	-	-	49	2,385	2,483	2,817	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	52	(710)	(832)	(1,184)	0.367	0.384	0.384	0.000	19	(273)	(319)	-
7	19	10	157	1,797	1,780	1,776	-	-	-	-	41	-	-	-	-	-	-	-	56	2,601	2,735	3,101	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	59	(792)	(944)	(1,318)	0.367	0.384	0.384	0.000	22	(304)	(362)	-
7	19	11	169	1,939	1,923	1,920	-	-	-	-	41	-	-	-	-	-	-	-	59	2,649	2,804	3,189	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	68	(698)	(869)	(1,258)	0.367	0.384	0.384	0.000	25	(268)	(334)	-
7	19	12	180	2,071	2,057	2,056	-	-	-	-	40	-	-	-	-	-	-	-	61	2,683	2,850	3,247	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	78	(601)	(782)	(1,179)	0.367	0.384	0.384	0.000	29	(231)	(300)	-
7	19	13	189	2,185	2,175	2,179	-	-	-	-	37	-	-	-	-	-	-	-	61	2,684	2,853	3,252	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	91	(493)	(674)	(1,062)	0.364	0.384	0.384	0.000	33	(189)	(259)	-
7	19	14	200	2,313	2,308	2,317	-	-	-	-	45	-	-	-	-	-	-	-	60	2,678	2,842	3,236	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	95	(361)	(529)	(913)	0.366	0.384	0.384	0.000	35	(139)	(203)	-
7	19	15	209	2,426	2,426	2,439	-	-	-	-	39	-	-	-	-	-	-	-	57	2,588	2,736	3,115	-	5	5	5	-	(1)	-	0	-	-	-	-	113	(166)	(315)	(681)	0.365	0.384	0.380	0.000	41	(64)	(120)	-
7	19	16	217	2,521	2,530	2,552	-	-	-	-	37	-	-	-	-	-	-	-	51	2,399	2,520	2,875	-	5	5	5	-	(1)	(2)	0	-	-	-	-	129	117	7	(328)	0.374	0.384	0.384	0.386	48	45	3	(127)
7	19	17	221	2,587	2,607	2,639	-	-	-	-	40	-	-	-	-	-	-	-	39	1,989	2,070	2,389	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	142	594	534	246	0.384	0.359	0.370	0.376	54	214	197	92
7	19	18	221	2,589	2,620	2,660	-	-	-	-	43	-	-	-	-	-	-	-	24	1,375	1,406	1,682	-	5	5	5	-	(2)	(0)	-	-	-	-	-	154	1,212	1,209	974	0.386	0.382	0.387	0.373	59	462	467	364
7	19	19	215	2,532	2,568	2,613	-	-	-	-	47	-	-	-	-	-	-	-	7	526	528	776	-	5	5	5	-	(5)	(1)	7	-	-	-	-	161	2,006	2,037	1,825	0.388	0.394	0.389	0.385	62	790	793	702
7	19	20	205	2,415	2,450	2,492	-	-	-	-	45	-	-	-	-	-	-	-	0	81	81	328	-	5	5	5	-	14	9	10	-	-	-	-	160	2,315	2,355	2,150	0.388	0.405	0.400	0.389	62	939	942	836
7	19	21	200	2,355	2,390	2,432	-	-	-	-	45	-	-	-	-	-	-	-	-	75	75	322	-	5	5	5	-	-	9	5	-	-	-	-	155	2,275	2,301	2,100	0.387	0.401	0.396	0.388	60	912	911	815
7	19	22	189	2,232	2,269	2,312	-	-	-	-	46	-	-	-	-	-	-	-	-	62	62	309	-	5	5	5	-	2	5	5	-	-	-	-	144	2,164	2,198	1,994	0.381	0.396	0.391	0.383	55	858	860	763
7	19	23	171	2,012	2,047	2,086	-	-	-	-	44	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	4	1	6	-	-	-	-	127	1,953	1,990	1,778	0.373	0.390	0.385	0.376	47	761	766	668
7	19	24	175	2,064	2,095	2,132	-	-	-	-	40	-	-	-	-	-	-	-	-	49	49	296	-	5	5	5	-	1	4	5	-	-	-	-	135	2,009	2,037	1,826	0.364	0.380	0.384	0.364	49	764	781	664
7	20	1	136	1,590	1,603	1,622	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	4	4	1	-	-	-	-	108	1,542	1,555	1,330	0.364	0.371	0.382	0.364	39	572	594	484
7	20	2	125	1,457	1,462	1,472	-	-	-	-	27	-	-	-	-	-	-	-	-	31	31	278	-	5	5	5	-	7	7	-	-	-	-	-	98	1,414	1,419	1,190	0.364	0.369	0.381	0.364	36	522	541	433
7	20	3	118	1,366	1,363	1,366	-	-	-	-	26	-	-	-	-	-	-	-	-	30	30	277	-	5	5	5	-	12	8	-	-	-	-	-	92	1,319	1,319	1,083	0.367	0.365	0.378	0.364	34	481	499	394
7	20	4	114	1,317	1,306	1,302	-	-	-	-	30	-	-	-	-	-	-	-	-	34	34	281	-	5	5	5	-	18	8	-	-	-	-	-	85	1,260	1,259	1,016	0.365	0.371	0.384	0.364	31	467	484	370
7	20	5	114	1,306	1,288	1,279	-	-	-	-	43	-	-	-	-	-	-	-	0	28	28	275	-	5	5	5	-	4	(3)	8	-	-	-	-	71	1,269	1,259	991	0.364	0.378	0.386	0.364	26	480	486	361
7	20	6	118	1,349	1,326	1,312	-	-	-	-	47	-	-	-	-	-	-	-	8	534	534	782	-	5	5	5	-	12	8	(4)	-	-	-	-	63	798	778	529	0.368	0.374	0.383	0.364	23	298	298	192
7	20	7	125	1,430	1,404	1,389	-	-	-	-	46	-	-	-	-	-	-	-	21	1,265	1,271	1,523	-	5	5	5	-	(4)	(2)	-	-	-	-	-	59	165	131	(139)	0.372	0.359	0.375	0.370	22	59	49	(51)
7	20	8	137	1,566	1,543	1,531	-	-	-	-	37	-	-	-	-	-	-	-	33	1,761	1,808	2,097	-	5	5	5	-	(4)	(2)	-	-	-	-	-	67	(196)	(268)	(571)	0.370	0.381	0.365	0.386	25	(75)	(98)	(220)
7	20	9	150	1,715	1,697	1,693	-	-	-	-	44	-	-	-	-	-	-	-	48	2,333	2,430	2,764	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	57	(605)	(726)	(1,076)	0.367	0.384	0.384	0.000	21	(232)	(279)	-
7	20	10	163	1,873	1,857	1,855	-	-	-	-	41	-	-	-	-	-	-	-	57	2,615	2,749	3,116	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	65	(731)	(881)	(1,254)	0.367	0.384	0.384	0.000	24	(281)	(338)	-
7	20	11	178	2,056	2,043	2,043	-	-	-	-	41	-	-	-	-	-	-	-	61	2,738	2,894	3,282	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	76	(670)	(840)	(1,228)	0.367	0.384	0.384	0.000	28	(257)	(323)	-
7	20	12	192	2,221	2,211	2,214	-	-	-	-	40	-	-	-	-	-	-	-	62	2,741	2,908	3,305	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	90	(508)	(686)	(1,079)	0.367	0.384	0.384	0.000	33	(195)	(263)	-
7	20	13	205	2,378	2,373	2,382	-	-	-	-	37	-	-	-	-	-	-	-	61	2,681	2,850	3,247	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	107	(296)	(472)	(854)	0.364	0.384	0.384	0.000	39	(114)	(181)	-
7	20	14	219	2,541	2,542	2,556	-	-	-	-	45	-	-	-	-	-	-	-	60	2,671	2,832	3,224	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	114	(126)	(286)	(662)	0.366	0.384	0.384	0.000	42	(48)	(110)	-
7	20	15	230	2,676	2,681	2,701	-	-	-	-	39	-	-	-	-	-	-	-	54	2,443	2,585	2,959	-	5	5	5	-	(1)	-	0	-	-	-	-	137	229	92	(263)	0.365	0.384	0.380	0.000	50	88	35	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	20	16	238	2,770	2,786	2,814	-	-	-	-	37	-	-	-	-	-	-	-	47	2,188	2,306	2,658	-	5	5	5	-	(1)	(2)	0	-	-	-	-	153	579	477	151	0.374	0.384	0.384	0.386	57	222	183	58
7	20	17	241	2,821	2,847	2,884	-	-	-	-	40	-	-	-	-	-	-	-	38	1,892	1,970	2,286	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	163	925	873	595	0.384	0.359	0.370	0.376	63	332	323	224
7	20	18	240	2,821	2,857	2,903	-	-	-	-	43	-	-	-	-	-	-	-	20	1,154	1,183	1,456	-	5	5	5	-	(2)	(0)	-	-	-	-	-	177	1,664	1,669	1,442	0.386	0.382	0.387	0.373	68	635	645	539
7	20	19	234	2,755	2,796	2,847	-	-	-	-	47	-	-	-	-	-	-	-	5	403	404	652	-	5	5	5	-	(5)	(1)	7	-	-	-	-	182	2,352	2,389	2,183	0.388	0.394	0.389	0.385	71	927	930	839
7	20	20	222	2,617	2,656	2,704	-	-	-	-	45	-	-	-	-	-	-	-	0	76	76	323	-	5	5	5	-	14	9	10	-	-	-	-	177	2,523	2,567	2,367	0.388	0.405	0.400	0.389	69	1,023	1,026	921
7	20	21	215	2,533	2,572	2,619	-	-	-	-	45	-	-	-	-	-	-	-	-	75	75	322	-	5	5	5	-	-	9	5	-	-	-	-	170	2,453	2,484	2,287	0.387	0.401	0.396	0.388	66	984	983	888
7	20	22	203	2,392	2,433	2,480	-	-	-	-	46	-	-	-	-	-	-	-	-	69	69	316	-	5	5	5	-	2	5	5	-	-	-	-	157	2,317	2,354	2,155	0.381	0.396	0.391	0.383	60	919	922	825
7	20	23	182	2,148	2,186	2,229	-	-	-	-	44	-	-	-	-	-	-	-	-	52	52	299	-	5	5	5	-	4	1	6	-	-	-	-	138	2,089	2,129	1,920	0.373	0.390	0.385	0.376	52	814	820	721
7	20	24	190	2,232	2,267	2,309	-	-	-	-	40	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	1	4	5	-	-	-	-	150	2,178	2,210	2,004	0.364	0.380	0.384	0.364	54	828	848	729
7	21	1	144	1,681	1,696	1,718	-	-	-	-	28	-	-	-	-	-	-	-	-	46	46	293	-	5	5	5	-	4	4	1	-	-	-	-	116	1,627	1,641	1,419	0.364	0.371	0.382	0.364	42	603	627	516
7	21	2	132	1,537	1,543	1,556	-	-	-	-	27	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	7	7	-	-	-	-	-	105	1,490	1,496	1,269	0.364	0.369	0.381	0.364	38	549	570	462
7	21	3	124	1,437	1,435	1,440	-	-	-	-	26	-	-	-	-	-	-	-	-	27	27	274	-	5	5	5	-	12	8	-	-	-	-	-	98	1,394	1,395	1,161	0.367	0.365	0.378	0.364	36	508	528	422
7	21	4	119	1,374	1,364	1,362	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	5	5	5	-	18	8	-	-	-	-	-	90	1,330	1,330	1,089	0.365	0.371	0.384	0.364	33	493	511	396
7	21	5	118	1,353	1,337	1,329	-	-	-	-	43	-	-	-	-	-	-	-	0	19	19	266	-	5	5	5	-	4	(3)	8	-	-	-	-	75	1,325	1,316	1,050	0.364	0.378	0.386	0.364	27	501	508	382
7	21	6	122	1,393	1,371	1,358	-	-	-	-	47	-	-	-	-	-	-	-	10	602	602	850	-	5	5	5	-	12	8	(4)	-	-	-	-	65	774	755	507	0.368	0.374	0.383	0.364	24	289	289	184
7	21	7	129	1,468	1,443	1,428	-	-	-	-	46	-	-	-	-	-	-	-	19	1,157	1,162	1,414	-	5	5	5	-	(4)	(2)	-	-	-	-	-	64	311	278	9	0.372	0.359	0.375	0.370	24	112	104	3
7	21	8	141	1,610	1,587	1,577	-	-	-	-	37	-	-	-	-	-	-	-	35	1,867	1,915	2,205	-	5	5	5	-	(4)	(2)	-	-	-	-	-	69	(258)	(331)	(633)	0.370	0.381	0.365	0.386	25	(98)	(121)	(244)
7	21	9	154	1,773	1,756	1,754	-	-	-	-	44	-	-	-	-	-	-	-	47	2,270	2,366	2,699	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	63	(484)	(602)	(950)	0.367	0.384	0.384	0.000	23	(186)	(231)	-
7	21	10	170	1,956	1,942	1,942	-	-	-	-	41	-	-	-	-	-	-	-	56	2,556	2,688	3,054	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	73	(588)	(735)	(1,104)	0.367	0.384	0.384	0.000	27	(226)	(282)	-
7	21	11	187	2,155	2,144	2,147	-	-	-	-	41	-	-	-	-	-	-	-	57	2,488	2,640	3,024	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	89	(321)	(485)	(866)	0.367	0.384	0.384	0.000	33	(123)	(186)	-
7	21	12	204	2,359	2,351	2,358	-	-	-	-	40	-	-	-	-	-	-	-	58	2,471	2,633	3,024	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	106	(101)	(270)	(655)	0.367	0.384	0.384	0.000	39	(39)	(104)	-
7	21	13	219	2,538	2,537	2,550	-	-	-	-	37	-	-	-	-	-	-	-	57	2,403	2,567	2,961	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	125	142	(26)	(400)	0.364	0.384	0.384	0.000	46	54	(10)	-
7	21	14	234	2,714	2,719	2,738	-	-	-	-	45	-	-	-	-	-	-	-	57	2,464	2,621	3,009	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	132	254	103	(265)	0.366	0.384	0.384	0.000	48	97	39	-
7	21	15	246	2,857	2,867	2,891	-	-	-	-	39	-	-	-	-	-	-	-	54	2,397	2,540	2,915	-	5	5	5	-	(1)	-	0	-	-	-	-	152	456	322	(29)	0.365	0.384	0.380	0.000	56	175	122	-
7	21	16	253	2,951	2,970	3,003	-	-	-	-	37	-	-	-	-	-	-	-	50	2,350	2,467	2,818	-	5	5	5	-	(1)	(2)	0	-	-	-	-	166	596	500	180	0.374	0.384	0.384	0.386	62	229	192	69
7	21	17	253	2,962	2,991	3,032	-	-	-	-	40	-	-	-	-	-	-	-	39	1,960	2,038	2,354	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	173	998	949	674	0.384	0.359	0.370	0.376	67	359	351	253
7	21	18	251	2,949	2,988	3,037	-	-	-	-	43	-	-	-	-	-	-	-	24	1,308	1,338	1,612	-	5	5	5	-	(2)	(0)	-	-	-	-	-	184	1,638	1,645	1,420	0.386	0.382	0.387	0.373	71	625	636	530
7	21	19	243	2,861	2,905	2,958	-	-	-	-	47	-	-	-	-	-	-	-	7	482	484	732	-	5	5	5	-	(5)	(1)	7	-	-	-	-	189	2,379	2,418	2,214	0.388	0.394	0.389	0.385	73	938	941	852
7	21	20	232	2,727	2,769	2,819	-	-	-	-	45	-	-	-	-	-	-	-	0	74	74	321	-	5	5	5	-	14	9	10	-	-	-	-	187	2,635	2,682	2,484	0.388	0.405	0.400	0.389	72	1,068	1,072	966
7	21	21	228	2,682	2,725	2,776	-	-	-	-	45	-	-	-	-	-	-	-	-	71	71	318	-	5	5	5	-	-	9	5	-	-	-	-	182	2,607	2,641	2,448	0.387	0.401	0.396	0.388	71	1,045	1,045	950
7	21	22	215	2,541	2,586	2,637	-	-	-	-	46	-	-	-	-	-	-	-	-	65	65	312	-	5	5	5	-	2	5	5	-	-	-	-	170	2,471	2,512	2,316	0.381	0.396	0.391	0.383	65	979	983	886
7	21	23	193	2,274	2,314	2,361	-	-	-	-	44	-	-	-	-	-	-	-	-	63	63	310	-	5	5	5	-	4	1	6	-	-	-	-	149	2,202	2,246	2,040	0.373	0.390	0.385	0.376	56	858	865	766
7	21	24	202	2,374	2,413	2,458	-	-	-	-	40	-	-	-	-	-	-	-	-	58	58	305	-	5	5	5	-	1	4	5	-	-	-	-	162	2,310	2,346	2,143	0.364	0.380	0.384	0.364	59	879	900	780
7	22	1	151	1,770	1,788	1,812	-	-	-	-	28	-	-	-	-	-	-	-	-	56	56	303	-	5	5	5	-	4	4	1	-	-	-	-	123	1,706	1,723	1,503	0.364	0.371	0.382	0.364	45	632	659	547
7	22	2	138	1,613	1,622	1,636	-	-	-	-	27	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	7	7	-	-	-	-	-	112	1,551	1,558	1,333	0.364	0.369	0.381	0.364	41	572	594	485
7	22	3	129	1,502	1,502	1,508	-	-	-	-	26	-	-	-	-	-	-	-	-	43	43	290	-	5	5	5	-	12	8	-	-	-	-	-	104	1,443	1,446	1,214	0.367	0.365	0.378	0.364	38	526	547	442
7	22	4	124	1,429	1,421	1,420	-	-	-	-	30	-	-	-	-	-	-	-	-	38	38	285	-	5	5	5	-	18	8	-	-	-	-	-	94	1,368	1,369	1,130	0.365	0.371	0.384	0.364	34	507	526	411
7	22	5	122	1,404	1,388	1,381	-	-	-	-	43	-	-	-	-	-	-	-	0	42	42	289	-	5	5	5	-	4	(3)	8	-	-	-	-	79	1,353	1,345	1,079	0.364	0.378	0.386	0.364	29	511	519	393
7	22	6	125	1,431	1,410	1,398	-	-	-	-	47	-	-	-	-	-	-	-	4	267	267	515	-	5	5	5	-	12	8	(4)	-	-	-	-	74	1,147	1,129	882	0.368	0.374	0.383	0.364	27	429	433	321
7	22	7	132	1,507	1,482	1,468	-	-	-	-	46	-	-	-	-	-	-	-	10	616	620	871	-	5	5	5	-	(4)	(2)	-	-	-	-	-	76	890	859	592	0.372	0.359	0.375	0.370	28	319	322	219
7	22	8	145	1,657	1,635	1,626	-	-	-	-	37	-	-	-	-	-	-	-	22	1,131	1,169	1,450	-	5	5	5	-	(4)	(2)	-	-	-	-	-	86	525	464	171	0.370	0.381	0.365	0.386	32	200	169	66
7	22	9	160	1,841	1,826	1,825	-	-	-	-	44	-	-	-	-	-	-	-	28	1,262	1,332	1,641	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	88	592	502	179	0.367	0.384	0.384	0.000	32	227	193	-
7	22	10	178	2,052	2,039	2,042	-	-	-	-	41	-	-	-	-	-	-	-	37	1,573	1,681	2,025	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	100	491	370	24	0.367	0.384	0.384	0.000	37	188	142	-
7	22	11	198	2,288	2,279	2,286	-	-	-	-	41	-	-	-	-	-	-	-	37	1,451	1,576	1,936	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	119	848	714	361	0.367	0.384	0.384	0.000	44	326	274	-
7	22	12	217	2,518	2,514	2,525	-	-	-	-	40	-	-	-	-	-	-	-	42	1,716	1,849	2,215	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	135	813	677	322	0.367	0.384	0.384	0.000	50	312	260	-
7	22	13	234	2,711	2,714	2,731	-	-	-	-	37	-	-	-	-	-	-	-	43	1,671	1,815	2,192	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	154	1,047	903	551	0.364	0.384	0.384	0.000	56	402	347	-
7	22	14	249	2,895	2,904	2,927	-	-	-	-	45	-	-	-	-	-	-	-	54	2,383	2,524	2,897	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	151	516	384	36	0.366	0.384	0.384	0.000	55	198	148	-
7	22	15	260	3,026	3,040	3,068	-	-	-	-	39	-	-	-	-	-	-	-	33	1,282	1,399	1,751	-	5	5	5	-	(1)	-	0	-	-	-	-	187	1,740	1,635	1,311	0.365	0.384	0.380	0.000	68	668	622	-
7	22	16	268	3,127	3,151	3,189	-	-	-	-	37	-	-	-	-	-	-	-	23	854	947	1,277	-	5	5	5	-	(1)	(2)	0	-	-	-	-	207	2,269	2,201	1,907	0.374	0.384	0.384	0.386	78	871	845	736
7	22	17	268	3,136	3,169	3,215	-	-	-	-	40	-	-	-	-	-	-	-	14	570	626	923	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	213	2,563	2,540	2,288	0.384	0.359	0.370	0.376	82	921	939	860
7	22	18	266	3,131	3,174	3,228	-	-	-	-	43	-	-	-	-	-	-	-	5	208	230	496	-	5	5	5	-	(2)	(0)	-	-	-	-	-	218	2,919	2,940	2,727	0.386	0.382	0.387	0.373	84	1,114	1,136	1,018
7	22	19	259	3,051	3,100	3,158	-	-	-	-	47	-	-	-	-	-	-	-	0	72	73	322	-	5	5	5	-	(5)	(1)	7	-	-	-	-	212	2,980	3,023	2,824	0.388	0.394	0.389	0.385	82	1,174	1,176	1,086
7	22	20	248	2,918	2,964	3,020	-	-	-	-	45	-	-	-	-	-	-	-	0	40	40	287	-	5	5	5	-	14	9	10	-	-	-	-	203	2,860	2,911	2,719	0.388	0.405	0.400	0.389	79	1,159	1,164	1,057
7	22	21	243	2,859	2,906	2,962	-	-	-	-	45	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	-	9	5	-	-	-	-	197	2,807	2,846	2,658	0.387	0.401	0.396	0.388	76	1,125	1,126	1,031
7	22	22	229	2,706	2,755	2,810	-	-	-	-	46	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	2	5	5	-	-	-	-	184	2,661	2,706	2,515	0.381	0.396	0.391	0.383	70	1,055	1,059	962
7	22	23	208	2,449	2,494	2,545	-	-	-	-	44	-	-	-	-	-	-	-	-	38	38	285	-	5	5	5	-	4	1	6	-	-	-	-	164	2,404	2,451	2,250	0.373	0.390	0.385	0.376	61	937	944	845
7	22	24	217	2,552	2,595	2,645	-	-	-	-	40	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	1	4	5	-	-	-	-	177	2,507	2,547	2,349	0.364	0.380	0.384	0.364	64	954	977	854
7	23	1	164	1,926	1,947	1,975	-	-	-	-	28	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	4	4	1	-	-	-	-	137	1,869	1,890	1,674	0.364	0.371	0.382	0.364	50	693	722	609
7	23	2	149	1,741	1,753	1,771	-	-	-	-	27	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	7	7	-	-	-	-	-	122	1,682	1,693	1,471	0.364	0.369	0.381	0.364	45	620	645	535
7	23	3	138	1,602	1,604	1,613	-	-	-	-	26	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	12	8	-	-	-	-	-	112	1,552	1,557	1,328	0.367	0.365	0.378	0.364	41	566	589	483
7	23	4	130	1,503	1,497	1,498	-	-	-	-	30	-	-	-	-	-	-	-	-	32	32	279	-	5	5	5	-	18	8	-	-	-	-	-	100	1,449	1,451	1,214	0.365	0.371	0.384	0.364	37	537	558	442
7	23	5	125	1,437	1,423	1,417	-	-	-	-	43	-	-	-	-	-	-	-	0	43	43	290	-	5	5	5	-	4	(3)	8	-	-	-	-	82	1,385	1,378	1,114	0.364	0.378	0.386	0.364	30	524	532	405
7	23	6	124	1,414	1,393	1,381	-	-	-	-	47	-	-	-	-	-	-	-	2	186	186	434	-	5	5	5	-	12	8	(4)	-	-	-	-	74	1,212	1,194	946	0.368	0.374	0.383	0.364	27	453	457	344
7	23	7	124	1,414	1,387	1,371	-	-	-	-	46	-	-	-	-	-	-	-	8	492	496	748	-	5	5	5	-	(4)	(2)	-	-	-	-	-	70	922	889	619	0.372	0.359	0.375	0.370	26	331	333	229
7	23	8	132	1,503	1,478	1,465	-	-	-	-	37	-	-	-	-	-	-	-	21	1,141	1,170	1,443	-	5	5	5	-	(4)	(2)	-	-	-	-	-	73	361	305	17	0.370	0.381	0.365	0.386	27	138	111	7
7	23	9	146	1,678	1,659	1,654	-	-	-	-	44	-	-	-	-	-	-	-	38	1,911	1,975	2,280	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	64	(220)	(309)	(630)	0.367	0.384	0.384	0.000	24	(85)	(119)	-
7	23	10	165	1,901	1,886	1,885	-	-	-	-	41	-	-	-	-	-	-	-	46	2,169	2,268	2,603	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	79	(255)	(370)	(711)	0.367	0.384	0.384	0.000	29	(98)	(142)	-
7	23	11	186	2,147	2,136	2,139	-	-	-	-	41	-	-	-	-	-	-	-	51	2,380	2,497	2,849	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	94	(222)	(350)	(699)	0.367	0.384	0.384	0.000	34	(85)	(134)	-
7	23	12	206	2,388	2,381	2,389	-	-	-	-	40	-	-	-	-	-	-	-	53	2,432	2,557	2,915	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	114	(33)	(164)	(515)	0.367	0.384	0.384	0.000	42	(13)	(63)	-
7	23	13	224	2,602	2,602	2,617	-	-	-	-	37	-	-	-	-	-	-	-	49	2,170	2,296	2,656	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	138	439	311	(27)	0.364	0.384	0.384	0.000	50	168	119	-
7	23	14	237	2,753	2,759	2,779	-	-	-	-	45	-	-	-	-	-	-	-	51	2,396	2,508	2,856	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	142	360	255	(71)	0.366	0.384	0.384	0.000	52	138	98	-
7	23	15	244	2,842	2,852	2,876	-	-	-	-	39	-	-	-	-	-	-	-	48	2,373	2,471	2,806	-	5	5	5	-	(1)	-	0	-	-	-	-	156	465	376	65	0.365	0.384	0.380	0.000	57	179	143	-
7	23	16	247	2,884	2,903	2,934	-	-	-	-	37	-	-	-	-	-	-	-	42	2,110	2,190	2,508	-	5	5	5	-	(1)	(2)	0	-	-	-	-	168	770	710	421	0.374	0.384	0.384	0.386	63	296	273	162
7	23	17	246	2,881	2,908	2,948	-	-	-	-	40	-	-	-	-	-	-	-	32	1,662	1,716	2,012	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	174	1,216	1,188	932	0.384	0.359	0.370	0.376	67	437	439	350
7	23	18	242	2,837	2,873	2,920	-	-	-	-	43	-	-	-	-	-	-	-	20	1,140	1,162	1,429	-	5	5	5	-	(2)	(0)	-	-	-	-	-	179	1,693	1,706	1,486	0.386	0.382	0.387	0.373	69	646	660	555
7	23	19	232	2,733	2,774	2,824	-	-	-	-	47	-	-	-	-	-	-	-	6	417	418	666	-	5	5	5	-	(5)	(1)	7	-	-	-	-	179	2,316	2,352	2,145	0.388	0.394	0.389	0.385	70	913	915	825
7	23	20	220	2,592	2,631	2,679	-	-	-	-	45	-	-	-	-	-	-	-	0	64	64	311	-	5	5	5	-	14	9	10	-	-	-	-	175	2,509	2,553	2,353	0.388	0.405	0.400	0.389	68	1,017	1,021	915
7	23	21	214	2,520	2,559	2,606	-	-	-	-	45	-	-	-	-	-	-	-	-	61	61	308	-	5	5	5	-	-	9	5	-	-	-	-	169	2,454	2,485	2,288	0.387	0.401	0.396	0.388	65	984	983	888
7	23	22	204	2,401	2,442	2,489	-	-	-	-	46	-	-	-	-	-	-	-	-	59	59	306	-	5	5	5	-	2	5	5	-	-	-	-	158	2,336	2,374	2,174	0.381	0.396	0.391	0.383	60	926	929	832
7	23	23	187	2,202	2,241	2,286	-	-	-	-	44	-	-	-	-	-	-	-	-	56	56	303	-	5	5	5	-	4	1	6	-	-	-	-	143	2,138	2,180	1,972	0.373	0.390	0.385	0.376	53	833	839	741
7	23	24	207	2,434	2,474	2,521	-	-	-	-	40	-	-	-	-	-	-	-	-	54	54	301	-	5	5	5	-	1	4	5	-	-	-	-	167	2,374	2,411	2,210	0.364	0.380	0.384	0.364	61	903	925	804
7	24	1	151	1,772	1,790	1,813	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	4	4	1	-	-	-	-	124	1,722	1,739	1,518	0.364	0.371	0.382	0.364	45	638	664	552
7	24	2	139	1,616	1,624	1,639	-	-	-	-	27	-	-	-	-	-	-	-	-	30	30	277	-	5	5	5	-	7	7	-	-	-	-	-	112	1,574	1,582	1,357	0.364	0.369	0.381	0.364	41	581	603	494
7	24	3	129	1,497	1,496	1,502	-	-	-	-	26	-	-	-	-	-	-	-	-	21	21	268	-	5	5	5	-	12	8	-	-	-	-	-	103	1,459	1,462	1,229	0.367	0.365	0.378	0.364	38	532	553	447
7	24	4	122	1,414	1,405	1,404	-	-	-	-	30	-	-	-	-	-	-	-	-	14	14	261	-	5	5	5	-	18	8	-	-	-	-	-	93	1,377	1,378	1,138	0.365	0.371	0.384	0.364	34	510	529	414
7	24	5	118	1,355	1,339	1,330	-	-	-	-	43	-	-	-	-	-	-	-	0	10	10	257	-	5	5	5	-	4	(3)	8	-	-	-	-	75	1,336	1,327	1,061	0.364	0.378	0.386	0.364	27	505	512	386
7	24	6	116	1,322	1,299	1,285	-	-	-	-	47	-	-	-	-	-	-	-	9	556	557	804	-	5	5	5	-	12	8	(4)	-	-	-	-	60	750	730	479	0.368	0.374	0.383	0.364	22	280	280	174
7	24	7	115	1,305	1,276	1,257	-	-	-	-	46	-	-	-	-	-	-	-	22	1,369	1,375	1,628	-	5	5	5	-	(4)	(2)	-	-	-	-	-	47	(65)	(102)	(375)	0.372	0.359	0.375	0.370	17	(23)	(38)	(139)
7	24	8	121	1,379	1,351	1,335	-	-	-	-	37	-	-	-	-	-	-	-	34	1,817	1,862	2,149	-	5	5	5	-	(4)	(2)	-	-	-	-	-	50	(439)	(514)	(819)	0.370	0.381	0.365	0.386	19	(167)	(187)	(316)
7	24	9	134	1,533	1,510	1,501	-	-	-	-	44	-	-	-	-	-	-	-	47	2,332	2,421	2,748	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	43	(787)	(904)	(1,251)	0.367	0.384	0.384	0.000	16	(302)	(347)	-
7	24	10	150	1,714	1,694	1,689	-	-	-	-	41	-	-	-	-	-	-	-	54	2,519	2,641	2,997	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	55	(793)	(935)	(1,302)	0.367	0.384	0.384	0.000	20	(304)	(359)	-
7	24	11	167	1,918	1,901	1,898	-	-	-	-	41	-	-	-	-	-	-	-	57	2,593	2,731	3,102	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	69	(664)	(819)	(1,193)	0.367	0.384	0.384	0.000	25	(255)	(314)	-
7	24	12	183	2,108	2,095	2,096	-	-	-	-	40	-	-	-	-	-	-	-	51	2,183	2,326	2,702	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	92	(64)	(220)	(595)	0.367	0.384	0.384	0.000	34	(24)	(84)	-
7	24	13	198	2,286	2,280	2,286	-	-	-	-	37	-	-	-	-	-	-	-	55	2,427	2,572	2,950	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	106	(133)	(288)	(653)	0.364	0.384	0.384	0.000	38	(51)	(111)	-
7	24	14	210	2,440	2,438	2,450	-	-	-	-	45	-	-	-	-	-	-	-	51	2,228	2,368	2,741	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	115	216	75	(285)	0.366	0.384	0.384	0.000	42	83	29	-
7	24	15	220	2,556	2,560	2,576	-	-	-	-	39	-	-	-	-	-	-	-	44	1,942	2,065	2,422	-	5	5	5	-	(1)	-	0	-	-	-	-	137	610	490	150	0.365	0.384	0.380	0.000	50	234	186	-
7	24	16	228	2,660	2,673	2,698	-	-	-	-	37	-	-	-	-	-	-	-	36	1,538	1,642	1,981	-	5	5	5	-	(1)	(2)	0	-	-	-	-	155	1,117	1,028	712	0.374	0.384	0.384	0.386	58	429	395	275
7	24	17	234	2,731	2,755	2,791	-	-	-	-	40	-	-	-	-	-	-	-	27	1,288	1,355	1,662	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	166	1,440	1,397	1,125	0.384	0.359	0.370	0.376	64	517	517	423
7	24	18	235	2,756	2,790	2,835	-	-	-	-	43	-	-	-	-	-	-	-	14	793	819	1,090	-	5	5	5	-	(2)	(0)	-	-	-	-	-	177	1,960	1,966	1,740	0.386	0.382	0.387	0.373	68	748	760	650
7	24	19	231	2,716	2,756	2,806	-	-	-	-	47	-	-	-	-	-	-	-	3	267	268	517	-	5	5	5	-	(5)	(1)	7	-	-	-	-	180	2,449	2,485	2,278	0.388	0.394	0.389	0.385	70	965	967	876
7	24	20	222	2,607	2,647	2,695	-	-	-	-	45	-	-	-	-	-	-	-	0	60	60	307	-	5	5	5	-	14	9	10	-	-	-	-	177	2,529	2,574	2,374	0.388	0.405	0.400	0.389	69	1,025	1,029	923
7	24	21	217	2,561	2,601	2,648	-	-	-	-	45	-	-	-	-	-	-	-	-	86	86	333	-	5	5	5	-	-	9	5	-	-	-	-	172	2,470	2,501	2,306	0.387	0.401	0.396	0.388	67	990	990	895
7	24	22	207	2,437	2,478	2,527	-	-	-	-	46	-	-	-	-	-	-	-	-	68	68	315	-	5	5	5	-	2	5	5	-	-	-	-	161	2,362	2,401	2,202	0.381	0.396	0.391	0.383	61	936	940	843
7	24	23	188	2,214	2,253	2,298	-	-	-	-	44	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	4	1	6	-	-	-	-	144	2,165	2,207	1,999	0.373	0.390	0.385	0.376	54	844	850	751
7	24	24	191	2,244	2,280	2,322	-	-	-	-	40	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	1	4	5	-	-	-	-	151	2,202	2,234	2,028	0.364	0.380	0.384	0.364	55	837	857	738
7	25	1	149	1,749	1,766	1,789	-	-	-	-	28	-	-	-	-	-	-	-	-	34	34	281	-	5	5	5	-	4	4	1	-	-	-	-	122	1,707	1,724	1,503	0.364	0.371	0.382	0.364	44	633	659	547
7	25	2	137	1,598	1,606	1,620	-	-	-	-	27	-	-	-	-	-	-	-	-	22	22	269	-	5	5	5	-	7	7	-	-	-	-	-	110	1,565	1,572	1,347	0.364	0.369	0.381	0.364	40	577	600	490

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	25	3	129	1,498	1,497	1,504	-	-	-	-	26	-	-	-	-	-	-	-	-	14	14	261	-	5	5	5	-	12	8	-	-	-	-	-	103	1,468	1,470	1,238	0.367	0.365	0.378	0.364	38	535	557	450
7	25	4	125	1,441	1,433	1,433	-	-	-	-	30	-	-	-	-	-	-	-	-	9	9	256	-	5	5	5	-	18	8	-	-	-	-	-	95	1,410	1,412	1,172	0.365	0.371	0.384	0.364	35	523	542	427
7	25	5	124	1,423	1,408	1,402	-	-	-	-	43	-	-	-	-	-	-	-	0	7	7	254	-	5	5	5	-	4	(3)	8	-	-	-	-	81	1,407	1,400	1,135	0.364	0.378	0.386	0.364	30	532	540	413
7	25	6	128	1,470	1,451	1,440	-	-	-	-	47	-	-	-	-	-	-	-	9	547	547	795	-	5	5	5	-	12	8	(4)	-	-	-	-	73	907	890	644	0.368	0.374	0.383	0.364	27	339	341	234
7	25	7	136	1,554	1,530	1,518	-	-	-	-	46	-	-	-	-	-	-	-	20	1,251	1,257	1,508	-	5	5	5	-	(4)	(2)	-	-	-	-	-	69	302	271	5	0.372	0.359	0.375	0.370	26	108	102	2
7	25	8	148	1,696	1,675	1,667	-	-	-	-	37	-	-	-	-	-	-	-	34	1,833	1,881	2,170	-	5	5	5	-	(4)	(2)	-	-	-	-	-	76	(139)	(208)	(508)	0.370	0.381	0.365	0.386	28	(53)	(76)	(196)
7	25	9	163	1,872	1,857	1,857	-	-	-	-	44	-	-	-	-	-	-	-	47	2,286	2,381	2,713	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	71	(401)	(516)	(860)	0.367	0.384	0.384	0.000	26	(154)	(198)	-
7	25	10	179	2,058	2,046	2,050	-	-	-	-	41	-	-	-	-	-	-	-	56	2,578	2,706	3,067	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	82	(508)	(648)	(1,010)	0.367	0.384	0.384	0.000	30	(195)	(249)	-
7	25	11	195	2,251	2,242	2,248	-	-	-	-	41	-	-	-	-	-	-	-	54	2,395	2,538	2,912	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	99	(133)	(284)	(653)	0.367	0.384	0.384	0.000	36	(51)	(109)	-
7	25	12	210	2,436	2,430	2,439	-	-	-	-	40	-	-	-	-	-	-	-	55	2,377	2,531	2,916	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	115	70	(89)	(465)	0.367	0.384	0.384	0.000	42	27	(34)	-
7	25	13	224	2,601	2,601	2,616	-	-	-	-	37	-	-	-	-	-	-	-	55	2,374	2,526	2,910	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	132	233	79	(283)	0.364	0.384	0.384	0.000	48	90	30	-
7	25	14	238	2,761	2,767	2,788	-	-	-	-	45	-	-	-	-	-	-	-	54	2,422	2,567	2,944	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	139	344	205	(151)	0.366	0.384	0.384	0.000	51	132	79	-
7	25	15	249	2,899	2,911	2,936	-	-	-	-	39	-	-	-	-	-	-	-	42	1,758	1,885	2,246	-	5	5	5	-	(1)	-	0	-	-	-	-	168	1,137	1,021	685	0.365	0.384	0.380	0.000	61	437	388	-
7	25	16	258	3,018	3,040	3,074	-	-	-	-	37	-	-	-	-	-	-	-	32	1,328	1,428	1,765	-	5	5	5	-	(1)	(2)	0	-	-	-	-	189	1,686	1,608	1,304	0.374	0.384	0.384	0.386	71	647	618	503
7	25	17	262	3,072	3,104	3,148	-	-	-	-	40	-	-	-	-	-	-	-	19	780	845	1,151	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	203	2,289	2,255	1,994	0.384	0.359	0.370	0.376	78	822	834	750
7	25	18	260	3,051	3,092	3,145	-	-	-	-	43	-	-	-	-	-	-	-	10	485	511	781	-	5	5	5	-	(2)	(0)	-	-	-	-	-	207	2,563	2,577	2,359	0.386	0.382	0.387	0.373	80	978	996	881
7	25	19	250	2,948	2,994	3,050	-	-	-	-	47	-	-	-	-	-	-	-	2	172	174	422	-	5	5	5	-	(5)	(1)	7	-	-	-	-	201	2,776	2,817	2,616	0.388	0.394	0.389	0.385	78	1,094	1,096	1,006
7	25	20	235	2,770	2,813	2,865	-	-	-	-	45	-	-	-	-	-	-	-	0	49	49	296	-	5	5	5	-	14	9	10	-	-	-	-	190	2,703	2,751	2,555	0.388	0.405	0.400	0.389	74	1,096	1,100	994
7	25	21	230	2,711	2,755	2,806	-	-	-	-	45	-	-	-	-	-	-	-	-	50	50	297	-	5	5	5	-	-	9	5	-	-	-	-	185	2,656	2,691	2,499	0.387	0.401	0.396	0.388	72	1,065	1,065	970
7	25	22	216	2,552	2,597	2,649	-	-	-	-	46	-	-	-	-	-	-	-	-	59	59	306	-	5	5	5	-	2	5	5	-	-	-	-	171	2,487	2,529	2,334	0.381	0.396	0.391	0.383	65	986	990	893
7	25	23	194	2,288	2,329	2,376	-	-	-	-	44	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	4	1	6	-	-	-	-	150	2,229	2,273	2,067	0.373	0.390	0.385	0.376	56	869	875	777
7	25	24	206	2,433	2,473	2,520	-	-	-	-	40	-	-	-	-	-	-	-	-	40	40	287	-	5	5	5	-	1	4	5	-	-	-	-	167	2,387	2,424	2,223	0.364	0.380	0.384	0.364	61	908	930	809
7	26	1	154	1,808	1,826	1,851	-	-	-	-	28	-	-	-	-	-	-	-	-	28	28	275	-	5	5	5	-	4	4	1	-	-	-	-	127	1,771	1,789	1,570	0.364	0.371	0.382	0.364	46	656	684	571
7	26	2	142	1,661	1,671	1,687	-	-	-	-	27	-	-	-	-	-	-	-	-	21	21	268	-	5	5	5	-	7	7	-	-	-	-	-	116	1,628	1,637	1,414	0.364	0.369	0.381	0.364	42	600	624	514
7	26	3	134	1,555	1,556	1,564	-	-	-	-	26	-	-	-	-	-	-	-	-	18	18	265	-	5	5	5	-	12	8	-	-	-	-	-	108	1,520	1,525	1,294	0.367	0.365	0.378	0.364	40	555	577	471
7	26	4	129	1,485	1,478	1,479	-	-	-	-	30	-	-	-	-	-	-	-	-	16	16	263	-	5	5	5	-	18	8	-	-	-	-	-	99	1,447	1,449	1,211	0.365	0.371	0.384	0.364	36	536	557	441
7	26	5	127	1,466	1,452	1,447	-	-	-	-	43	-	-	-	-	-	-	-	0	7	7	254	-	5	5	5	-	4	(3)	8	-	-	-	-	85	1,450	1,444	1,180	0.364	0.378	0.386	0.364	31	548	557	429
7	26	6	131	1,497	1,478	1,468	-	-	-	-	47	-	-	-	-	-	-	-	7	466	467	714	-	5	5	5	-	12	8	(4)	-	-	-	-	76	1,014	998	752	0.368	0.374	0.383	0.364	28	379	382	274
7	26	7	138	1,586	1,563	1,552	-	-	-	-	46	-	-	-	-	-	-	-	22	1,325	1,331	1,583	-	5	5	5	-	(4)	(2)	-	-	-	-	-	71	260	230	(36)	0.372	0.359	0.375	0.370	26	93	86	(13)
7	26	8	151	1,733	1,713	1,706	-	-	-	-	37	-	-	-	-	-	-	-	34	1,808	1,854	2,141	-	5	5	5	-	(4)	(2)	-	-	-	-	-	80	(76)	(143)	(440)	0.370	0.381	0.365	0.386	30	(29)	(52)	(170)
7	26	9	166	1,915	1,901	1,902	-	-	-	-	44	-	-	-	-	-	-	-	48	2,345	2,441	2,773	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	74	(417)	(532)	(876)	0.367	0.384	0.384	0.000	27	(160)	(204)	-
7	26	10	183	2,109	2,099	2,104	-	-	-	-	41	-	-	-	-	-	-	-	56	2,591	2,723	3,088	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	86	(470)	(612)	(977)	0.367	0.384	0.384	0.000	31	(180)	(235)	-
7	26	11	200	2,312	2,305	2,312	-	-	-	-	41	-	-	-	-	-	-	-	58	2,577	2,728	3,111	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	101	(254)	(412)	(788)	0.367	0.384	0.384	0.000	37	(97)	(158)	-
7	26	12	216	2,506	2,503	2,513	-	-	-	-	40	-	-	-	-	-	-	-	59	2,544	2,704	3,094	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	118	(27)	(190)	(570)	0.367	0.384	0.384	0.000	43	(10)	(73)	-
7	26	13	229	2,658	2,660	2,676	-	-	-	-	37	-	-	-	-	-	-	-	54	2,294	2,450	2,836	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	138	371	215	(149)	0.364	0.384	0.384	0.000	50	143	82	-
7	26	14	240	2,796	2,803	2,824	-	-	-	-	45	-	-	-	-	-	-	-	54	2,355	2,503	2,882	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	142	445	305	(52)	0.366	0.384	0.384	0.000	52	171	117	-
7	26	15	250	2,905	2,917	2,942	-	-	-	-	39	-	-	-	-	-	-	-	49	2,204	2,331	2,692	-	5	5	5	-	(1)	-	0	-	-	-	-	161	697	581	246	0.365	0.384	0.380	0.000	59	268	221	-
7	26	16	255	2,981	3,002	3,036	-	-	-	-	37	-	-	-	-	-	-	-	38	1,677	1,783	2,124	-	5	5	5	-	(1)	(2)	0	-	-	-	-	180	1,300	1,216	906	0.374	0.384	0.384	0.386	67	499	467	350
7	26	17	257	3,005	3,036	3,078	-	-	-	-	40	-	-	-	-	-	-	-	23	985	1,051	1,357	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	194	2,018	1,981	1,717	0.384	0.359	0.370	0.376	74	725	733	646
7	26	18	254	2,982	3,022	3,072	-	-	-	-	43	-	-	-	-	-	-	-	14	717	742	1,012	-	5	5	5	-	(2)	(0)	-	-	-	-	-	197	2,262	2,275	2,055	0.386	0.382	0.387	0.373	76	863	879	767
7	26	19	246	2,894	2,939	2,993	-	-	-	-	47	-	-	-	-	-	-	-	3	212	213	462	-	5	5	5	-	(5)	(1)	7	-	-	-	-	196	2,682	2,722	2,520	0.388	0.394	0.389	0.385	76	1,057	1,059	969
7	26	20	233	2,740	2,783	2,834	-	-	-	-	45	-	-	-	-	-	-	-	0	54	54	301	-	5	5	5	-	14	9	10	-	-	-	-	188	2,668	2,715	2,518	0.388	0.405	0.400	0.389	73	1,081	1,086	979
7	26	21	226	2,665	2,707	2,758	-	-	-	-	45	-	-	-	-	-	-	-	-	51	51	298	-	5	5	5	-	-	9	5	-	-	-	-	181	2,609	2,643	2,450	0.387	0.401	0.396	0.388	70	1,046	1,046	951
7	26	22	214	2,530	2,574	2,625	-	-	-	-	46	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	2	5	5	-	-	-	-	169	2,476	2,517	2,321	0.381	0.396	0.391	0.383	64	982	985	888
7	26	23	193	2,280	2,321	2,368	-	-	-	-	44	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	4	1	6	-	-	-	-	149	2,230	2,273	2,068	0.373	0.390	0.385	0.376	56	869	875	777
7	26	24	210	2,474	2,515	2,563	-	-	-	-	40	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	1	4	5	-	-	-	-	170	2,432	2,470	2,269	0.364	0.380	0.384	0.364	62	925	947	826
7	27	1	154	1,804	1,823	1,847	-	-	-	-	28	-	-	-	-	-	-	-	-	31	31	278	-	5	5	5	-	4	4	1	-	-	-	-	126	1,765	1,783	1,564	0.364	0.371	0.382	0.364	46	654	681	569
7	27	2	142	1,654	1,664	1,679	-	-	-	-	27	-	-	-	-	-	-	-	-	27	27	274	-	5	5	5	-	7	7	-	-	-	-	-	115	1,616	1,625	1,401	0.364	0.369	0.381	0.364	42	596	620	510
7	27	3	133	1,544	1,545	1,553	-	-	-	-	26	-	-	-	-	-	-	-	-	28	28	275	-	5	5	5	-	12	8	-	-	-	-	-	107	1,500	1,504	1,273	0.367	0.365	0.378	0.364	39	547	569	463
7	27	4	128	1,475	1,467	1,468	-	-	-	-	30	-	-	-	-	-	-	-	-	21	21	268	-	5	5	5	-	18	8	-	-	-	-	-	98	1,431	1,433	1,195	0.365	0.371	0.384	0.364	36	530	551	435
7	27	5	126	1,446	1,432	1,426	-	-	-	-	43	-	-	-	-	-	-	-	0	11	11	258	-	5	5	5	-	4	(3)	8	-	-	-	-	83	1,426	1,419	1,155	0.364	0.378	0.386	0.364	30	539	548	420
7	27	6	129	1,484	1,464	1,454	-	-	-	-	47	-	-	-	-	-	-	-	7	425	425	672	-	5	5	5	-	12	8	(4)	-	-	-	-	76	1,042	1,026	780	0.368	0.374	0.383	0.364	28	390	393	284
7	27	7	137	1,573	1,550	1,538	-	-	-	-	46	-	-	-	-	-	-	-	12	700	705	957	-	5	5	5	-	(4)	(2)	-	-	-	-	-	80	872	842	577	0.372	0.359	0.375	0.370	30	313	316	213
7	27	8	150	1,723	1,703	1,696	-	-	-	-	37	-	-	-	-	-	-	-	22	1,084	1,124	1,407	-	5	5	5	-	(4)	(2)	-	-	-	-	-	91	638	577	284	0.370	0.381	0.365	0.386	34	243	210	110
7	27	9	165	1,899	1,885	1,886	-	-	-	-	44	-	-	-	-	-	-	-	33	1,470	1,555	1,878	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	88	442	338	3	0.367	0.384	0.384	0.000	32	170	130	-
7	27	10	181	2,090	2,080	2,084	-	-	-	-	41	-	-	-	-	-	-	-	43	1,839	1,957	2,310	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	98	264	134	(220)	0.367	0.384	0.384	0.000	36	101	51	-
7	27	11	198	2,292	2,284	2,291	-	-	-	-	41	-	-	-	-	-	-	-	52	2,237	2,380	2,754	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	105	66	(84)	(452)	0.367	0.384	0.384	0.000	39	25	(32)	-
7	27	12	214	2,480	2,476	2,486	-	-	-	-	40	-	-	-	-	-	-	-	55	2,312	2,471	2,861	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	119	179	16	(364)	0.367	0.384	0.384	0.000	44	69	6	-
7	27	13	228	2,645	2,647	2,662	-	-	-	-	37	-	-	-	-	-	-	-	54	2,237	2,398	2,788	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	137	415	253	(115)	0.364	0.384	0.384	0.000	50	159	97	-
7	27	14	241	2,798	2,805	2,826	-	-	-	-	45	-	-	-	-	-	-	-	56	2,423	2,578	2,964	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	140	379	232	(131)	0.366	0.384	0.384	0.000	51	146	89	-
7	27	15	250	2,913	2,924	2,950	-	-	-	-	39	-	-	-	-	-	-	-	50	2,179	2,318	2,688	-	5	5	5	-	(1)	-	0	-	-	-	-	161	729	602	257	0.365	0.384	0.380	0.000	59	280	229	-
7	27	16	256	2,985	3,005	3,039	-	-	-	-	37	-	-	-	-	-	-	-	42	1,884	1,990	2,332	-	5	5	5	-	(1)	(2)	0	-	-	-	-	177	1,097	1,012	702	0.374	0.384	0.384	0.386	66	421	389	271
7	27	17	257	3,006	3,037	3,079	-	-	-	-	40	-	-	-	-	-	-	-	24	1,042	1,110	1,419	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	193	1,962	1,923	1,656	0.384	0.359	0.370	0.376	74	705	711	623
7	27	18	252	2,965	3,004	3,055	-	-	-	-	43	-	-	-	-	-	-	-	14	718	745	1,016	-	5	5	5	-	(2)	(0)	-	-	-	-	-	196	2,243	2,255	2,034	0.386	0.382	0.387	0.373	76	856	871	759
7	27	19	244	2,870	2,914	2,968	-	-	-	-	47	-	-	-	-	-	-	-	3	247	248	496	-	5	5	5	-	(5)	(1)	7	-	-	-	-	194	2,623	2,662	2,459	0.388	0.394	0.389	0.385	75	1,034	1,036	946
7	27	20	232	2,736	2,779	2,830	-	-	-	-	45	-	-	-	-	-	-	-	0	69	69	316	-	5	5	5	-	14	9	10	-	-	-	-	187	2,649	2,697	2,500	0.388	0.405	0.400	0.389	73	1,074	1,078	972
7	27	21	229	2,700	2,744	2,795	-	-	-	-	45	-	-	-	-	-	-	-	-	63	63	310	-	5	5	5	-	-	9	5	-	-	-	-	184	2,633	2,667	2,475	0.387	0.401	0.396	0.388	71	1,055	1,055	960
7	27	22	218	2,572	2,617	2,669	-	-	-	-	46	-	-	-	-	-	-	-	-	61	61	308	-	5	5	5	-	2	5	5	-	-	-	-	172	2,504	2,546	2,351	0.381	0.396	0.391	0.383	66	993	997	900
7	27	23	196	2,311	2,353	2,400	-	-	-	-	44	-	-	-	-	-	-	-	-	56	56	303	-	5	5	5	-	4	1	6	-	-	-	-	152	2,247	2,291	2,086	0.373	0.390	0.385	0.376	57	876	882	784
7	27	24	210	2,472	2,513	2,561	-	-	-	-	40	-	-	-	-	-	-	-	-	53	53	300	-	5	5	5	-	1	4	5	-	-	-	-	170	2,414	2,452	2,251	0.364	0.380	0.384	0.364	62	918	940	819
7	28	1	155	1,817	1,836	1,861	-	-	-	-	28	-	-	-	-	-	-	-	-	49	49	296	-	5	5	5	-	4	4	1	-	-	-	-	127	1,759	1,778	1,559	0.364	0.371	0.382	0.364	46	652	679	567
7	28	2	142	1,656	1,666	1,682	-	-	-	-	27	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	7	7	-	-	-	-	-	115	1,604	1,613	1,389	0.364	0.369	0.381	0.364	42	592	615	505
7	28	3	133	1,544	1,545	1,553	-	-	-	-	26	-	-	-	-	-	-	-	-	42	42	289	-	5	5	5	-	12	8	-	-	-	-	-	107	1,485	1,490	1,258	0.367	0.365	0.378	0.364	39	542	564	458
7	28	4	127	1,470	1,462	1,463	-	-	-	-	30	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	18	8	-	-	-	-	-	98	1,406	1,408	1,170	0.365	0.371	0.384	0.364	36	521	541	426
7	28	5	126	1,444	1,430	1,424	-	-	-	-	43	-	-	-	-	-	-	-	0	40	40	287	-	5	5	5	-	4	(3)	8	-	-	-	-	83	1,396	1,389	1,124	0.364	0.378	0.386	0.364	30	528	536	409
7	28	6	129	1,479	1,459	1,448	-	-	-	-	47	-	-	-	-	-	-	-	3	236	236	484	-	5	5	5	-	12	8	(4)	-	-	-	-	79	1,226	1,210	964	0.368	0.374	0.383	0.364	29	458	463	351
7	28	7	137	1,565	1,542	1,530	-	-	-	-	46	-	-	-	-	-	-	-	14	852	856	1,107	-	5	5	5	-	(4)	(2)	-	-	-	-	-	77	713	683	418	0.372	0.359	0.375	0.370	29	256	256	155
7	28	8	149	1,706	1,685	1,678	-	-	-	-	37	-	-	-	-	-	-	-	23	1,171	1,212	1,497	-	5	5	5	-	(4)	(2)	-	-	-	-	-	89	534	470	176	0.370	0.381	0.365	0.386	33	204	172	68
7	28	9	163	1,880	1,865	1,865	-	-	-	-	44	-	-	-	-	-	-	-	34	1,505	1,594	1,920	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	85	387	279	(59)	0.367	0.384	0.384	0.000	31	149	107	-
7	28	10	179	2,066	2,055	2,058	-	-	-	-	41	-	-	-	-	-	-	-	41	1,679	1,802	2,159	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	98	399	264	(94)	0.367	0.384	0.384	0.000	36	153	101	-
7	28	11	196	2,264	2,255	2,261	-	-	-	-	41	-	-	-	-	-	-	-	48	1,938	2,085	2,463	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	107	337	182	(190)	0.367	0.384	0.384	0.000	39	129	70	-
7	28	12	211	2,439	2,434	2,443	-	-	-	-	40	-	-	-	-	-	-	-	52	2,145	2,304	2,693	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	119	305	141	(239)	0.367	0.384	0.384	0.000	44	117	54	-
7	28	13	223	2,586	2,586	2,600	-	-	-	-	37	-	-	-	-	-	-	-	50	1,989	2,150	2,541	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	136	604	441	71	0.364	0.384	0.384	0.000	49	232	169	-
7	28	14	235	2,736	2,741	2,761	-	-	-	-	45	-	-	-	-	-	-	-	45	1,770	1,922	2,305	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	145	970	824	461	0.366	0.384	0.384	0.000	53	372	316	-
7	28	15	246	2,864	2,875	2,899	-	-	-	-	39	-	-	-	-	-	-	-	47	1,990	2,129	2,501	-	5	5	5	-	(1)	-	0	-	-	-	-	160	871	741	394	0.365	0.384	0.380	0.000	58	334	282	-
7	28	16	254	2,962	2,982	3,015	-	-	-	-	37	-	-	-	-	-	-	-	47	2,178	2,294	2,644	-	5	5	5	-	(1)	(2)	0	-	-	-	-	169	779	685	366	0.374	0.384	0.384	0.386	63	299	263	141
7	28	17	256	3,000	3,030	3,072	-	-	-	-	40	-	-	-	-	-	-	-	36	1,769	1,846	2,162	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	180	1,228	1,181	907	0.384	0.359	0.370	0.376	69	441	437	341
7	28	18	253	2,975	3,015	3,065	-	-	-	-	43	-	-	-	-	-	-	-	18	973	1,002	1,274	-	5	5	5	-	(2)	(0)	-	-	-	-	-	192	1,999	2,009	1,786	0.386	0.382	0.387	0.373	74	763	776	667
7	28	19	242	2,851	2,894	2,948	-	-	-	-	47	-	-	-	-	-	-	-	4	302	303	551	-	5	5	5	-	(5)	(1)	7	-	-	-	-	191	2,549	2,588	2,384	0.388	0.394	0.389	0.385	74	1,005	1,007	917
7	28	20	232	2,732	2,774	2,825	-	-	-	-	45	-	-	-	-	-	-	-	0	57	57	304	-	5	5	5	-	14	9	10	-	-	-	-	187	2,656	2,703	2,506	0.388	0.405	0.400	0.389	73	1,077	1,081	975
7	28	21	226	2,664	2,707	2,757	-	-	-	-	45	-	-	-	-	-	-	-	-	58	58	305	-	5	5	5	-	-	9	5	-	-	-	-	181	2,602	2,636	2,442	0.387	0.401	0.396	0.388	70	1,043	1,043	948
7	28	22	215	2,531	2,575	2,626	-	-	-	-	46	-	-	-	-	-	-	-	-	61	61	308	-	5	5	5	-	2	5	5	-	-	-	-	169	2,464	2,505	2,309	0.381	0.396	0.391	0.383	64	977	980	883
7	28	23	193	2,281	2,322	2,369	-	-	-	-	44	-	-	-	-	-	-	-	-	63	63	310	-	5	5	5	-	4	1	6	-	-	-	-	149	2,209	2,253	2,047	0.373	0.390	0.385	0.376	56	861	867	769
7	28	24	206	2,427	2,467	2,513	-	-	-	-	40	-	-	-	-	-	-	-	-	66	66	313	-	5	5	5	-	1	4	5	-	-	-	-	166	2,355	2,392	2,191	0.364	0.380	0.384	0.364	60	896	918	797
7	29	1	154	1,805	1,824	1,848	-	-	-	-	28	-	-	-	-	-	-	-	-	56	56	303	-	5	5	5	-	4	4	1	-	-	-	-	126	1,741	1,759	1,539	0.364	0.371	0.382	0.364	46	645	672	560
7	29	2	142	1,652	1,661	1,677	-	-	-	-	27	-	-	-	-	-	-	-	-	49	49	296	-	5	5	5	-	7	7	-	-	-	-	-	115	1,591	1,599	1,375	0.364	0.369	0.381	0.364	42	587	610	500
7	29	3	132	1,536	1,536	1,544	-	-	-	-	26	-	-	-	-	-	-	-	-	48	48	295	-	5	5	5	-	12	8	-	-	-	-	-	106	1,471	1,475	1,243	0.367	0.365	0.378	0.364	39	537	558	452
7	29	4	127	1,465	1,457	1,457	-	-	-	-	30	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	18	8	-	-	-	-	-	97	1,396	1,397	1,159	0.365	0.371	0.384	0.364	35	517	537	422
7	29	5	125	1,442	1,428	1,422	-	-	-	-	43	-	-	-	-	-	-	-	0	42	42	289	-	5	5	5	-	4	(3)	8	-	-	-	-	83	1,391	1,384	1,119	0.364	0.378	0.386	0.364	30	526	534	407
7	29	6	129	1,475	1,455	1,444	-	-	-	-	47	-	-	-	-	-	-	-	4	285	285	532	-	5	5	5	-	12	8	(4)	-	-	-	-	78	1,174	1,157	911	0.368	0.374	0.383	0.364	29	439	443	331
7	29	7	136	1,554	1,531	1,518	-	-	-	-	46	-	-	-	-	-	-	-	13	769	775	1,026	-	5	5	5	-	(4)	(2)	-	-	-	-	-	77	785	754	487	0.372	0.359	0.375	0.370	29	281	283	180
7	29	8	148	1,692	1,670	1,662	-	-	-	-	37	-	-	-	-	-	-	-	26	1,370	1,409	1,691	-	5	5	5	-	(4)	(2)	-	-	-	-	-	85	320	259	(33)	0.370	0.381	0.365	0.386	31	122	94	(13)
7	29	9	162	1,868	1,853	1,852	-	-	-	-	44	-	-	-	-	-	-	-	40	1,941	2,024	2,346	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	78	(61)	(164)	(498)	0.367	0.384	0.384	0.000	29	(23)	(63)	-
7	29	10	179	2,059	2,047	2,050	-	-	-	-	41	-	-	-	-	-	-	-	44	1,974	2,085	2,431	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	94	97	(27)	(374)	0.367	0.384	0.384	0.000	34	37	(10)	-
7	29	11	196	2,270	2,261	2,267	-	-	-	-	41	-	-	-	-	-	-	-	50	2,195	2,329	2,697	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	105	86	(57)	(419)	0.367	0.384	0.384	0.000	39	33	(22)	-
7	29	12	214	2,472	2,468	2,477	-	-	-	-	40	-	-	-	-	-	-	-	53	2,282	2,428	2,807	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	121	202	51	(318)	0.367	0.384	0.384	0.000	44	77	19	-
7	29	13	228	2,642	2,643	2,659	-	-	-	-	37	-	-	-	-	-	-	-	58	2,525	2,680	3,066	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	133	124	(33)	(396)	0.364	0.384	0.384	0.000	48	48	(13)	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
7	29	14	240	2,795	2,802	2,823	-	-	-	-	45	-	-	-	-	-	-	-	58	2,578	2,729	3,112	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	138	222	78	(283)	0.366	0.384	0.384	0.000	50	85	30	-
7	29	15	248	2,891	2,901	2,926	-	-	-	-	39	-	-	-	-	-	-	-	56	2,553	2,694	3,067	-	5	5	5	-	(1)	-	0	-	-	-	-	153	333	203	(145)	0.365	0.384	0.380	0.000	56	128	77	-
7	29	16	254	2,960	2,980	3,013	-	-	-	-	37	-	-	-	-	-	-	-	50	2,361	2,476	2,826	-	5	5	5	-	(1)	(2)	0	-	-	-	-	167	595	501	182	0.374	0.384	0.384	0.386	62	229	192	70
7	29	17	254	2,978	3,008	3,050	-	-	-	-	40	-	-	-	-	-	-	-	36	1,779	1,855	2,171	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	178	1,197	1,149	875	0.384	0.359	0.370	0.376	68	430	425	329
7	29	18	251	2,943	2,982	3,031	-	-	-	-	43	-	-	-	-	-	-	-	19	1,033	1,061	1,334	-	5	5	5	-	(2)	(0)	-	-	-	-	-	188	1,907	1,916	1,692	0.386	0.382	0.387	0.373	73	728	741	632
7	29	19	241	2,836	2,880	2,932	-	-	-	-	47	-	-	-	-	-	-	-	4	322	323	572	-	5	5	5	-	(5)	(1)	7	-	-	-	-	190	2,514	2,553	2,349	0.388	0.394	0.389	0.385	74	991	993	903
7	29	20	228	2,686	2,727	2,777	-	-	-	-	45	-	-	-	-	-	-	-	0	60	60	307	-	5	5	5	-	14	9	10	-	-	-	-	183	2,607	2,654	2,455	0.388	0.405	0.400	0.389	71	1,057	1,061	955
7	29	21	222	2,611	2,652	2,701	-	-	-	-	45	-	-	-	-	-	-	-	-	67	67	314	-	5	5	5	-	-	9	5	-	-	-	-	176	2,539	2,571	2,377	0.387	0.401	0.396	0.388	68	1,018	1,018	922
7	29	22	209	2,470	2,512	2,562	-	-	-	-	46	-	-	-	-	-	-	-	-	64	64	311	-	5	5	5	-	2	5	5	-	-	-	-	164	2,399	2,439	2,241	0.381	0.396	0.391	0.383	62	951	955	858
7	29	23	191	2,252	2,292	2,338	-	-	-	-	44	-	-	-	-	-	-	-	-	62	62	309	-	5	5	5	-	4	1	6	-	-	-	-	147	2,182	2,225	2,018	0.373	0.390	0.385	0.376	55	850	857	758
7	29	24	209	2,468	2,508	2,556	-	-	-	-	40	-	-	-	-	-	-	-	-	64	64	311	-	5	5	5	-	1	4	5	-	-	-	-	169	2,397	2,435	2,235	0.364	0.380	0.384	0.364	62	912	934	813
7	30	1	156	1,825	1,844	1,869	-	-	-	-	28	-	-	-	-	-	-	-	-	55	55	302	-	5	5	5	-	4	4	1	-	-	-	-	128	1,763	1,781	1,562	0.364	0.371	0.382	0.364	47	653	681	568
7	30	2	143	1,667	1,677	1,693	-	-	-	-	27	-	-	-	-	-	-	-	-	41	41	288	-	5	5	5	-	7	7	-	-	-	-	-	116	1,615	1,624	1,400	0.364	0.369	0.381	0.364	42	595	619	509
7	30	3	133	1,548	1,548	1,556	-	-	-	-	26	-	-	-	-	-	-	-	-	36	36	283	-	5	5	5	-	12	8	-	-	-	-	-	107	1,496	1,500	1,269	0.367	0.365	0.378	0.364	39	546	568	462
7	30	4	127	1,470	1,462	1,463	-	-	-	-	30	-	-	-	-	-	-	-	-	27	27	274	-	5	5	5	-	18	8	-	-	-	-	-	98	1,420	1,422	1,184	0.365	0.371	0.384	0.364	36	526	546	431
7	30	5	124	1,422	1,407	1,401	-	-	-	-	43	-	-	-	-	-	-	-	0	22	22	269	-	5	5	5	-	4	(3)	8	-	-	-	-	81	1,391	1,383	1,118	0.364	0.378	0.386	0.364	29	526	534	407
7	30	6	123	1,405	1,383	1,371	-	-	-	-	47	-	-	-	-	-	-	-	2	160	160	407	-	5	5	5	-	12	8	(4)	-	-	-	-	74	1,228	1,210	962	0.368	0.374	0.383	0.364	27	459	464	350
7	30	7	124	1,410	1,383	1,367	-	-	-	-	46	-	-	-	-	-	-	-	11	684	688	940	-	5	5	5	-	(4)	(2)	-	-	-	-	-	66	726	693	423	0.372	0.359	0.375	0.370	25	260	260	157
7	30	8	131	1,494	1,468	1,455	-	-	-	-	37	-	-	-	-	-	-	-	33	1,748	1,793	2,081	-	5	5	5	-	(4)	(2)	-	-	-	-	-	61	(255)	(328)	(631)	0.370	0.381	0.365	0.386	23	(97)	(120)	(243)
7	30	9	144	1,655	1,636	1,630	-	-	-	-	44	-	-	-	-	-	-	-	44	2,148	2,237	2,564	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	56	(480)	(594)	(939)	0.367	0.384	0.384	0.000	20	(184)	(228)	-
7	30	10	161	1,847	1,830	1,828	-	-	-	-	41	-	-	-	-	-	-	-	49	2,228	2,347	2,701	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	71	(370)	(506)	(867)	0.367	0.384	0.384	0.000	26	(142)	(194)	-
7	30	11	177	2,043	2,029	2,030	-	-	-	-	41	-	-	-	-	-	-	-	54	2,358	2,499	2,873	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	83	(304)	(459)	(832)	0.367	0.384	0.384	0.000	30	(117)	(176)	-
7	30	12	192	2,217	2,207	2,210	-	-	-	-	40	-	-	-	-	-	-	-	57	2,501	2,654	3,039	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	95	(273)	(436)	(818)	0.367	0.384	0.384	0.000	35	(105)	(168)	-
7	30	13	204	2,358	2,353	2,361	-	-	-	-	37	-	-	-	-	-	-	-	57	2,432	2,591	2,980	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	110	(67)	(234)	(607)	0.364	0.384	0.384	0.000	40	(26)	(90)	-
7	30	14	214	2,478	2,477	2,490	-	-	-	-	45	-	-	-	-	-	-	-	57	2,529	2,681	3,064	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	112	(47)	(199)	(568)	0.366	0.384	0.384	0.000	41	(18)	(76)	-
7	30	15	223	2,586	2,590	2,607	-	-	-	-	39	-	-	-	-	-	-	-	50	2,272	2,403	2,767	-	5	5	5	-	(1)	-	0	-	-	-	-	133	310	182	(165)	0.365	0.384	0.380	0.000	49	119	69	-
7	30	16	230	2,675	2,688	2,714	-	-	-	-	37	-	-	-	-	-	-	-	37	1,620	1,725	2,066	-	5	5	5	-	(1)	(2)	0	-	-	-	-	155	1,051	960	643	0.374	0.384	0.384	0.386	58	403	369	248
7	30	17	231	2,704	2,727	2,762	-	-	-	-	40	-	-	-	-	-	-	-	25	1,134	1,201	1,509	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	166	1,567	1,522	1,249	0.384	0.359	0.370	0.376	64	563	563	470
7	30	18	228	2,676	2,708	2,751	-	-	-	-	43	-	-	-	-	-	-	-	9	480	505	774	-	5	5	5	-	(2)	(0)	-	-	-	-	-	176	2,193	2,199	1,972	0.386	0.382	0.387	0.373	68	837	850	736
7	30	19	220	2,585	2,622	2,668	-	-	-	-	47	-	-	-	-	-	-	-	1	153	154	402	-	5	5	5	-	(5)	(1)	7	-	-	-	-	172	2,432	2,464	2,254	0.388	0.394	0.389	0.385	67	958	959	867
7	30	20	210	2,466	2,503	2,547	-	-	-	-	45	-	-	-	-	-	-	-	0	87	87	334	-	5	5	5	-	14	9	10	-	-	-	-	165	2,361	2,402	2,198	0.388	0.405	0.400	0.389	64	957	960	855
7	30	21	205	2,416	2,453	2,497	-	-	-	-	45	-	-	-	-	-	-	-	-	73	73	320	-	5	5	5	-	-	9	5	-	-	-	-	160	2,338	2,366	2,166	0.387	0.401	0.396	0.388	62	937	936	841
7	30	22	196	2,312	2,351	2,397	-	-	-	-	46	-	-	-	-	-	-	-	-	57	57	304	-	5	5	5	-	2	5	5	-	-	-	-	150	2,249	2,285	2,083	0.381	0.396	0.391	0.383	57	892	894	797
7	30	23	181	2,138	2,175	2,218	-	-	-	-	44	-	-	-	-	-	-	-	-	45	45	292	-	5	5	5	-	4	1	6	-	-	-	-	137	2,085	2,125	1,915	0.373	0.390	0.385	0.376	51	812	818	720
7	30	24	191	2,255	2,291	2,333	-	-	-	-	40	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	1	4	5	-	-	-	-	152	2,216	2,249	2,043	0.364	0.380	0.384	0.364	55	843	863	743
7	31	1	148	1,730	1,747	1,769	-	-	-	-	28	-	-	-	-	-	-	-	-	15	15	262	-	5	5	5	-	4	4	1	-	-	-	-	120	1,707	1,723	1,502	0.364	0.371	0.382	0.364	44	633	659	546
7	31	2	136	1,586	1,594	1,608	-	-	-	-	27	-	-	-	-	-	-	-	-	1	1	248	-	5	5	5	-	7	7	-	-	-	-	-	109	1,574	1,581	1,355	0.364	0.369	0.381	0.364	40	580	603	493
7	31	3	128	1,482	1,481	1,487	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	5	5	5	-	12	8	-	-	-	-	-	102	1,466	1,468	1,236	0.367	0.365	0.378	0.364	37	535	556	450
7	31	4	122	1,404	1,395	1,394	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	5	5	5	-	18	8	-	-	-	-	-	92	1,382	1,382	1,142	0.365	0.371	0.384	0.364	34	512	531	415
7	31	5	118	1,349	1,333	1,324	-	-	-	-	43	-	-	-	-	-	-	-	0	0	0	247	-	5	5	5	-	4	(3)	8	-	-	-	-	75	1,340	1,331	1,064	0.364	0.378	0.386	0.364	27	506	514	387
7	31	6	116	1,321	1,298	1,283	-	-	-	-	47	-	-	-	-	-	-	-	2	127	127	374	-	5	5	5	-	12	8	(4)	-	-	-	-	67	1,178	1,158	908	0.368	0.374	0.383	0.364	25	440	444	330
7	31	7	115	1,309	1,280	1,261	-	-	-	-	46	-	-	-	-	-	-	-	2	120	124	375	-	5	5	5	-	(4)	(2)	-	-	-	-	-	67	1,188	1,153	881	0.372	0.359	0.375	0.370	25	426	432	326
7	31	8	119	1,357	1,329	1,312	-	-	-	-	37	-	-	-	-	-	-	-	8	282	313	588	-	5	5	5	-	(4)	(2)	-	-	-	-	-	74	1,074	1,012	719	0.370	0.381	0.365	0.386	28	409	369	277
7	31	9	130	1,487	1,463	1,453	-	-	-	-	44	-	-	-	-	-	-	-	21	805	873	1,182	-	5	5	5	-	(17)	(12)	(0)	-	-	-	-	65	695	597	267	0.367	0.384	0.384	0.000	24	267	229	-
7	31	10	145	1,655	1,634	1,627	-	-	-	-	41	-	-	-	-	-	-	-	28	1,035	1,140	1,482	-	5	5	5	-	(17)	(16)	(12)	-	-	-	-	75	632	505	153	0.367	0.384	0.384	0.000	28	243	194	-
7	31	11	160	1,838	1,819	1,814	-	-	-	-	41	-	-	-	-	-	-	-	37	1,450	1,574	1,932	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	82	399	257	(107)	0.367	0.384	0.384	0.000	30	153	99	-
7	31	12	175	2,014	1,999	1,997	-	-	-	-	40	-	-	-	-	-	-	-	38	1,411	1,550	1,921	-	5	5	5	-	(16)	(16)	(16)	-	-	-	-	97	614	460	87	0.367	0.384	0.384	0.000	35	236	177	-
7	31	13	189	2,182	2,173	2,177	-	-	-	-	37	-	-	-	-	-	-	-	40	1,472	1,615	1,991	-	5	5	5	-	(12)	(9)	(16)	-	-	-	-	112	718	562	197	0.364	0.384	0.384	0.000	41	276	216	-
7	31	14	200	2,313	2,309	2,317	-	-	-	-	45	-	-	-	-	-	-	-	52	2,255	2,398	2,773	-	5	5	5	-	(9)	(9)	(11)	-	-	-	-	103	62	(85)	(450)	0.366	0.384	0.384	0.000	38	24	(33)	-
7	31	15	207	2,402	2,402	2,414	-	-	-	-	39	-	-	-	-	-	-	-	50	2,250	2,372	2,728	-	5	5	5	-	(1)	-	0	-	-	-	-	118	148	25	(319)	0.365	0.384	0.380	0.000	43	57	10	-
7	31	16	214	2,487	2,496	2,517	-	-	-	-	37	-	-	-	-	-	-	-	45	2,114	2,213	2,549	-	5	5	5	-	(1)	(2)	0	-	-	-	-	132	370	280	(37)	0.374	0.384	0.384	0.386	49	142	107	(14)
7	31	17	217	2,535	2,555	2,585	-	-	-	-	40	-	-	-	-	-	-	-	33	1,610	1,676	1,982	-	5	5	5	-	(2)	(1)	(1)	-	-	-	-	144	922	875	599	0.384	0.359	0.370	0.376	55	331	324	225
7	31	18	216	2,529	2,558	2,597	-	-	-	-	43	-	-	-	-	-	-	-	13	715	739	1,008	-	5	5	5	-	(2)	(0)	-	-	-	-	-	159	1,810	1,814	1,584	0.386	0.382	0.387	0.373	61	691	701	591
7	31	19	209	2,459	2,493	2,537	-	-	-	-	47	-	-	-	-	-	-	-	2	179	180	428	-	5	5	5	-	(5)	(1)	7	-	-	-	-	160	2,280	2,310	2,096	0.388	0.394	0.389	0.385	62	899	899	806
7	31	20	200	2,349	2,383	2,424	-	-	-	-	45	-	-	-	-	-	-	-	0	47	47	294	-	5	5	5	-	14	9	10	-	-	-	-	155	2,284	2,323	2,116	0.388	0.405	0.400	0.389	60	926	929	823
7	31	21	197	2,322	2,356	2,398	-	-	-	-	45	-	-	-	-	-	-	-	-	54	54	301	-	5	5	5	-	-	9	5	-	-	-	-	152	2,263	2,288	2,086	0.387	0.401	0.396	0.388	59	907	906	810
7	31	22	188	2,220	2,257	2,300	-	-	-	-	46	-	-	-	-	-	-	-	-	47	47	294	-	5	5	5	-	2	5	5	-	-	-	-	143	2,167	2,201	1,996	0.381	0.396	0.391	0.383	54	859	861	764
7	31	23	172	2,028	2,063	2,103	-	-	-	-	44	-	-	-	-	-	-	-	-	39	39	286	-	5	5	5	-	4	1	6	-	-	-	-	128	1,980	2,018	1,805	0.373	0.390	0.385	0.376	48	772	777	678
7	31	24	179	2,107	2,139	2,177	-	-	-	-	40	-	-	-	-	-	-	-	-	33	33	280	-	5	5	5	-	1	4	5	-	-	-	-	139	2,068	2,097	1,888	0.364	0.380	0.384	0.364	51	787	804	687
8	1	1	140	1,639	1,653	1,673	-	-	-	-	33	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	7	9	5	-	-	-	-	107	1,606	1,619	1,395	0.372	0.391	0.389	0.371	40	628	630	517
8	1	2	130	1,510	1,516	1,528	-	-	-	-	29	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	10	7	0	-	-	-	-	100	1,481	1,490	1,261	0.372	0.389	0.387	0.370	37	576	577	467
8	1	3	123	1,424	1,421	1,426	-	-	-	-	28	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	1	8	(0)	-	-	-	-	95	1,417	1,408	1,173	0.373	0.390	0.386	0.370	35	553	543	434
8	1	4	119	1,376	1,366	1,364	-	-	-	-	29	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	12	2	0	-	-	-	-	90	1,363	1,364	1,116	0.374	0.388	0.389	0.370	34	528	530	413
8	1	5	119	1,366	1,349	1,341	-	-	-	-	36	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	7	6	(3)	-	-	-	-	83	1,359	1,343	1,097	0.371	0.390	0.390	0.371	31	530	524	407
8	1	6	124	1,420	1,398	1,386	-	-	-	-	37	-	-	-	-	-	-	-	0	18	18	265	-	-	-	-	-	7	13	(4)	-	-	-	-	87	1,395	1,367	1,125	0.372	0.389	0.382	0.371	32	543	523	418
8	1	7	133	1,518	1,494	1,481	-	-	-	-	30	-	-	-	-	-	-	-	2	74	77	327	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	102	1,448	1,420	1,154	0.367	0.377	0.371	0.380	37	546	527	438
8	1	8	144	1,645	1,624	1,614	-	-	-	-	26	-	-	-	-	-	-	-	5	157	181	449	-	-	-	-	-	(8)	(8)	2	-	-	-	-	113	1,496	1,450	1,163	0.372	0.387	0.387	0.382	42	579	561	444
8	1	9	156	1,795	1,778	1,777	-	-	-	-	23	-	-	-	-	-	-	-	12	378	433	729	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	121	1,429	1,359	1,059	0.376	0.327	0.326	0.068	45	467	443	72
8	1	10	169	1,948	1,934	1,934	-	-	-	-	27	-	-	-	-	-	-	-	16	438	515	831	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	126	1,522	1,432	1,120	0.382	0.328	0.328	0.072	48	499	470	80
8	1	11	183	2,114	2,102	2,103	-	-	-	-	31	-	-	-	-	-	-	-	21	648	739	1,068	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	132	1,481	1,379	1,051	0.379	0.328	0.328	0.072	50	485	452	75
8	1	12	196	2,260	2,250	2,254	-	-	-	-	33	-	-	-	-	-	-	-	31	1,182	1,288	1,630	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	132	1,092	978	641	0.376	0.328	0.328	0.072	50	358	321	46
8	1	13	207	2,392	2,386	2,395	-	-	-	-	34	-	-	-	-	-	-	-	47	1,975	2,115	2,487	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	125	422	283	(81)	0.374	0.328	0.328	0.072	47	138	93	(6)
8	1	14	218	2,525	2,524	2,537	-	-	-	-	40	-	-	-	-	-	-	-	47	1,974	2,114	2,485	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	131	553	414	56	0.374	0.327	0.327	0.071	49	181	135	4
8	1	15	227	2,634	2,639	2,656	-	-	-	-	43	-	-	-	-	-	-	-	46	2,009	2,133	2,491	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	138	628	506	167	0.381	0.313	0.312	0.326	53	196	158	54
8	1	16	233	2,712	2,725	2,751	-	-	-	-	42	-	-	-	-	-	-	-	45	2,102	2,205	2,545	-	-	-	-	-	(3)	(1)	0	-	-	-	-	146	613	521	206	0.389	0.326	0.319	0.317	57	200	166	65
8	1	17	234	2,732	2,754	2,788	-	-	-	-	41	-	-	-	-	-	-	-	35	1,717	1,787	2,097	-	-	-	-	-	(4)	(1)	1	-	-	-	-	157	1,019	968	690	0.390	0.396	0.392	0.367	61	403	379	253
8	1	18	229	2,684	2,715	2,757	-	-	-	-	45	-	-	-	-	-	-	-	20	1,112	1,138	1,408	-	-	-	-	-	(2)	(2)	-	-	-	-	-	164	1,574	1,579	1,349	0.392	0.400	0.393	0.382	64	630	621	516
8	1	19	219	2,570	2,604	2,648	-	-	-	-	47	-	-	-	-	-	-	-	4	302	303	551	-	-	-	-	-	1	(1)	3	-	-	-	-	168	2,267	2,302	2,094	0.390	0.399	0.393	0.387	65	905	905	810
8	1	20	207	2,430	2,463	2,505	-	-	-	-	47	-	-	-	-	-	-	-	0	42	42	289	-	-	-	-	-	4	4	17	-	-	-	-	160	2,384	2,417	2,199	0.391	0.401	0.395	0.388	63	957	955	854
8	1	21	202	2,376	2,411	2,453	-	-	-	-	46	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	1	1	14	-	-	-	-	156	2,327	2,362	2,145	0.388	0.399	0.393	0.386	61	928	929	829
8	1	22	191	2,246	2,282	2,325	-	-	-	-	45	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	3	5	6	-	-	-	-	146	2,199	2,234	2,029	0.381	0.394	0.388	0.380	56	866	867	771
8	1	23	172	2,026	2,060	2,099	-	-	-	-	44	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	5	4	5	-	-	-	-	128	1,988	2,023	1,815	0.372	0.393	0.389	0.373	48	782	787	677
8	1	24	188	2,210	2,244	2,285	-	-	-	-	39	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	3	6	5	-	-	-	-	149	2,186	2,218	2,012	0.370	0.393	0.391	0.371	55	859	867	747
8	2	1	138	1,618	1,631	1,650	-	-	-	-	33	-	-	-	-	-	-	-	-	13	13	260	-	-	-	-	-	7	9	5	-	-	-	-	105	1,598	1,610	1,386	0.372	0.391	0.389	0.371	39	624	626	513
8	2	2	128	1,494	1,499	1,510	-	-	-	-	29	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	10	7	0	-	-	-	-	99	1,479	1,487	1,258	0.372	0.389	0.387	0.370	37	575	576	466
8	2	3	121	1,403	1,400	1,404	-	-	-	-	28	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	8	(0)	-	-	-	-	93	1,402	1,392	1,157	0.373	0.390	0.386	0.370	35	546	537	428
8	2	4	117	1,352	1,342	1,339	-	-	-	-	29	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	12	2	0	-	-	-	-	88	1,340	1,340	1,091	0.374	0.388	0.389	0.370	33	519	521	404
8	2	5	116	1,334	1,316	1,307	-	-	-	-	36	-	-	-	-	-	-	-	0	1	1	248	-	-	-	-	-	7	6	(3)	-	-	-	-	80	1,325	1,309	1,062	0.371	0.390	0.390	0.371	30	517	511	394
8	2	6	121	1,377	1,354	1,341	-	-	-	-	37	-	-	-	-	-	-	-	10	639	640	887	-	-	-	-	-	7	13	(4)	-	-	-	-	74	731	701	458	0.372	0.389	0.382	0.371	27	284	268	170
8	2	7	129	1,476	1,451	1,437	-	-	-	-	30	-	-	-	-	-	-	-	23	1,398	1,403	1,654	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	77	82	52	(217)	0.367	0.377	0.371	0.380	28	31	19	(82)
8	2	8	139	1,586	1,562	1,552	-	-	-	-	26	-	-	-	-	-	-	-	37	1,974	2,021	2,310	-	-	-	-	-	(8)	(8)	2	-	-	-	-	76	(381)	(451)	(760)	0.372	0.387	0.387	0.382	28	(147)	(174)	(290)
8	2	9	149	1,704	1,686	1,682	-	-	-	-	23	-	-	-	-	-	-	-	48	2,357	2,450	2,780	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	77	(640)	(752)	(1,088)	0.376	0.327	0.326	0.068	29	(209)	(245)	(74)
8	2	10	159	1,829	1,812	1,809	-	-	-	-	27	-	-	-	-	-	-	-	55	2,573	2,700	3,061	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	77	(733)	(875)	(1,236)	0.382	0.328	0.328	0.072	29	(240)	(287)	(88)
8	2	11	172	1,978	1,962	1,960	-	-	-	-	31	-	-	-	-	-	-	-	58	2,622	2,766	3,142	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	83	(630)	(787)	(1,165)	0.379	0.328	0.328	0.072	31	(206)	(258)	(83)
8	2	12	183	2,111	2,098	2,098	-	-	-	-	33	-	-	-	-	-	-	-	55	2,358	2,509	2,892	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	96	(233)	(396)	(778)	0.376	0.328	0.328	0.072	36	(76)	(130)	(56)
8	2	13	193	2,235	2,226	2,231	-	-	-	-	34	-	-	-	-	-	-	-	51	2,141	2,294	2,678	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	108	100	(56)	(436)	0.374	0.328	0.328	0.072	40	33	(18)	(31)
8	2	14	205	2,376	2,372	2,382	-	-	-	-	40	-	-	-	-	-	-	-	53	2,316	2,463	2,843	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	112	64	(88)	(457)	0.374	0.327	0.327	0.071	42	21	(29)	(32)
8	2	15	215	2,496	2,497	2,511	-	-	-	-	43	-	-	-	-	-	-	-	48	2,105	2,239	2,607	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	124	394	258	(94)	0.381	0.313	0.312	0.326	47	123	81	(31)
8	2	16	222	2,584	2,594	2,617	-	-	-	-	42	-	-	-	-	-	-	-	47	2,161	2,276	2,626	-	-	-	-	-	(3)	(1)	0	-	-	-	-	134	427	320	(10)	0.389	0.326	0.319	0.317	52	139	102	(3)
8	2	17	224	2,621	2,641	2,672	-	-	-	-	41	-	-	-	-	-	-	-	37	1,849	1,924	2,239	-	-	-	-	-	(4)	(1)	1	-	-	-	-	146	776	717	431	0.390	0.396	0.392	0.367	57	307	281	158
8	2	18	222	2,602	2,631	2,670	-	-	-	-	45	-	-	-	-	-	-	-	19	1,081	1,108	1,380	-	-	-	-	-	(2)	(2)	-	-	-	-	-	158	1,523	1,524	1,291	0.392	0.400	0.393	0.382	62	609	600	493
8	2	19	213	2,504	2,537	2,579	-	-	-	-	47	-	-	-	-	-	-	-	4	323	324	572	-	-	-	-	-	1	(1)	3	-	-	-	-	162	2,179	2,214	2,004	0.390	0.399	0.393	0.387	63	870	870	775
8	2	20	203	2,381	2,413	2,454	-	-	-	-	47	-	-	-	-	-	-	-	0	63	63	310	-	-	-	-	-	4	4	17	-	-	-	-	156	2,314	2,346	2,127	0.391	0.401	0.395	0.388	61	929	927	826
8	2	21	199	2,344	2,378	2,419	-	-	-	-	46	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	1	1	14	-	-	-	-	154	2,287	2,321	2,103	0.388	0.399	0.393	0.386	60	912	913	812
8	2	22	188	2,218	2,254	2,297	-	-	-	-	45	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	3	5	6	-	-	-	-	144	2,164	2,198	1,992	0.381	0.394	0.388	0.380	55	852	853	757
8	2	23	170	2,005	2,038	2,077	-	-	-	-	44	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	5	4	5	-	-	-	-	126	1,952	1,987	1,777	0.372	0.393	0.389	0.373	47	768	773	663
8	2	24	179	2,103	2,134	2,172	-	-	-	-	39	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	3	6	5	-	-	-	-	140	2,058	2,086	1,878	0.370	0.393	0.391	0.371	52	808	815	697

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	3	1	137	1,596	1,609	1,628	-	-	-	-	33	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	7	9	5	-	-	-	-	104	1,551	1,562	1,337	0.372	0.391	0.389	0.371	39	606	608	495
8	3	2	127	1,473	1,478	1,489	-	-	-	-	29	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	10	7	0	-	-	-	-	97	1,429	1,436	1,207	0.372	0.389	0.387	0.370	36	556	556	447
8	3	3	119	1,382	1,378	1,382	-	-	-	-	28	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	1	8	(0)	-	-	-	-	91	1,345	1,335	1,099	0.373	0.390	0.386	0.370	34	525	515	407
8	3	4	116	1,334	1,323	1,320	-	-	-	-	29	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	12	2	0	-	-	-	-	87	1,291	1,290	1,041	0.374	0.388	0.389	0.370	32	500	501	385
8	3	5	115	1,323	1,305	1,295	-	-	-	-	36	-	-	-	-	-	-	-	0	28	28	275	-	-	-	-	-	7	6	(3)	-	-	-	-	79	1,288	1,272	1,024	0.371	0.390	0.390	0.371	29	503	496	380
8	3	6	120	1,376	1,353	1,339	-	-	-	-	37	-	-	-	-	-	-	-	7	439	439	686	-	-	-	-	-	7	13	(4)	-	-	-	-	77	930	901	657	0.372	0.389	0.382	0.371	29	362	345	244
8	3	7	128	1,464	1,439	1,425	-	-	-	-	30	-	-	-	-	-	-	-	20	1,233	1,238	1,490	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	79	235	204	(65)	0.367	0.377	0.371	0.380	29	89	76	(25)
8	3	8	138	1,582	1,559	1,548	-	-	-	-	26	-	-	-	-	-	-	-	35	1,897	1,944	2,233	-	-	-	-	-	(8)	(8)	2	-	-	-	-	77	(307)	(377)	(686)	0.372	0.387	0.387	0.382	29	(119)	(146)	(262)
8	3	9	150	1,716	1,698	1,694	-	-	-	-	23	-	-	-	-	-	-	-	48	2,319	2,414	2,745	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	79	(590)	(703)	(1,040)	0.376	0.327	0.326	0.068	30	(193)	(229)	(70)
8	3	10	162	1,866	1,850	1,848	-	-	-	-	27	-	-	-	-	-	-	-	55	2,547	2,678	3,043	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	80	(669)	(815)	(1,179)	0.382	0.328	0.328	0.072	30	(219)	(267)	(84)
8	3	11	176	2,023	2,009	2,008	-	-	-	-	31	-	-	-	-	-	-	-	59	2,632	2,784	3,166	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	86	(594)	(759)	(1,142)	0.379	0.328	0.328	0.072	32	(195)	(249)	(82)
8	3	12	188	2,167	2,155	2,157	-	-	-	-	33	-	-	-	-	-	-	-	60	2,615	2,775	3,166	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	95	(435)	(605)	(993)	0.376	0.328	0.328	0.072	36	(142)	(198)	(71)
8	3	13	197	2,281	2,273	2,278	-	-	-	-	34	-	-	-	-	-	-	-	61	2,632	2,796	3,189	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	103	(346)	(511)	(900)	0.374	0.328	0.328	0.072	38	(113)	(167)	(64)
8	3	14	207	2,392	2,388	2,398	-	-	-	-	40	-	-	-	-	-	-	-	57	2,470	2,627	3,015	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	109	(76)	(236)	(612)	0.374	0.327	0.327	0.071	41	(25)	(77)	(43)
8	3	15	215	2,491	2,492	2,506	-	-	-	-	43	-	-	-	-	-	-	-	52	2,251	2,391	2,763	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	120	243	102	(255)	0.381	0.313	0.312	0.326	46	76	32	(83)
8	3	16	221	2,576	2,586	2,608	-	-	-	-	42	-	-	-	-	-	-	-	45	2,067	2,180	2,529	-	-	-	-	-	(3)	(1)	0	-	-	-	-	134	512	407	79	0.389	0.326	0.319	0.317	52	167	130	25
8	3	17	224	2,613	2,632	2,663	-	-	-	-	41	-	-	-	-	-	-	-	33	1,575	1,649	1,963	-	-	-	-	-	(4)	(1)	1	-	-	-	-	150	1,041	984	699	0.390	0.396	0.392	0.367	58	412	386	257
8	3	18	221	2,585	2,614	2,653	-	-	-	-	45	-	-	-	-	-	-	-	17	893	920	1,190	-	-	-	-	-	(2)	(2)	-	-	-	-	-	159	1,694	1,696	1,463	0.392	0.400	0.393	0.382	62	678	667	559
8	3	19	212	2,490	2,522	2,564	-	-	-	-	47	-	-	-	-	-	-	-	3	241	242	489	-	-	-	-	-	1	(1)	3	-	-	-	-	162	2,248	2,282	2,071	0.390	0.399	0.393	0.387	63	897	897	801
8	3	20	201	2,365	2,397	2,437	-	-	-	-	47	-	-	-	-	-	-	-	0	79	79	326	-	-	-	-	-	4	4	17	-	-	-	-	155	2,283	2,314	2,095	0.391	0.401	0.395	0.388	61	916	915	814
8	3	21	198	2,330	2,364	2,406	-	-	-	-	46	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	1	1	14	-	-	-	-	153	2,260	2,294	2,075	0.388	0.399	0.393	0.386	59	901	902	802
8	3	22	188	2,211	2,247	2,289	-	-	-	-	45	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	3	5	6	-	-	-	-	143	2,154	2,188	1,982	0.381	0.394	0.388	0.380	54	848	849	753
8	3	23	170	2,007	2,041	2,079	-	-	-	-	44	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	5	4	5	-	-	-	-	126	1,957	1,991	1,782	0.372	0.393	0.389	0.373	47	770	775	665
8	3	24	181	2,136	2,169	2,207	-	-	-	-	39	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	3	6	5	-	-	-	-	143	2,091	2,121	1,914	0.370	0.393	0.391	0.371	53	822	829	711
8	4	1	138	1,612	1,625	1,644	-	-	-	-	33	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	7	9	5	-	-	-	-	105	1,566	1,578	1,353	0.372	0.391	0.389	0.371	39	612	614	501
8	4	2	128	1,486	1,491	1,503	-	-	-	-	29	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	10	7	0	-	-	-	-	98	1,439	1,447	1,218	0.372	0.389	0.387	0.370	37	560	560	451
8	4	3	121	1,398	1,396	1,399	-	-	-	-	28	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	1	8	(0)	-	-	-	-	93	1,361	1,351	1,116	0.373	0.390	0.386	0.370	35	531	521	413
8	4	4	117	1,347	1,337	1,333	-	-	-	-	29	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	12	2	0	-	-	-	-	88	1,299	1,299	1,050	0.374	0.388	0.389	0.370	33	503	505	388
8	4	5	117	1,337	1,320	1,310	-	-	-	-	36	-	-	-	-	-	-	-	0	35	35	282	-	-	-	-	-	7	6	(3)	-	-	-	-	81	1,295	1,279	1,031	0.371	0.390	0.390	0.371	30	505	499	383
8	4	6	121	1,383	1,360	1,346	-	-	-	-	37	-	-	-	-	-	-	-	5	348	348	595	-	-	-	-	-	7	13	(4)	-	-	-	-	79	1,028	999	755	0.372	0.389	0.382	0.371	30	400	382	280
8	4	7	130	1,487	1,462	1,448	-	-	-	-	30	-	-	-	-	-	-	-	18	1,142	1,148	1,399	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	82	349	318	49	0.367	0.377	0.371	0.380	30	132	118	19
8	4	8	139	1,584	1,561	1,550	-	-	-	-	26	-	-	-	-	-	-	-	32	1,691	1,737	2,025	-	-	-	-	-	(8)	(8)	2	-	-	-	-	81	(99)	(168)	(477)	0.372	0.387	0.387	0.382	30	(38)	(65)	(182)
8	4	9	149	1,708	1,690	1,686	-	-	-	-	23	-	-	-	-	-	-	-	42	2,029	2,122	2,453	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	83	(307)	(419)	(755)	0.376	0.327	0.326	0.068	31	(100)	(137)	(51)
8	4	10	160	1,842	1,825	1,822	-	-	-	-	27	-	-	-	-	-	-	-	55	2,536	2,667	3,031	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	78	(682)	(829)	(1,193)	0.382	0.328	0.328	0.072	30	(224)	(272)	(85)
8	4	11	173	1,992	1,977	1,975	-	-	-	-	31	-	-	-	-	-	-	-	60	2,669	2,821	3,205	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	83	(662)	(829)	(1,214)	0.379	0.328	0.328	0.072	31	(217)	(272)	(87)
8	4	12	185	2,132	2,119	2,120	-	-	-	-	33	-	-	-	-	-	-	-	60	2,595	2,758	3,151	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	92	(449)	(623)	(1,015)	0.376	0.328	0.328	0.072	35	(147)	(204)	(73)
8	4	13	194	2,246	2,237	2,241	-	-	-	-	34	-	-	-	-	-	-	-	61	2,672	2,838	3,233	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	99	(421)	(589)	(980)	0.374	0.328	0.328	0.072	37	(138)	(193)	(70)
8	4	14	204	2,368	2,363	2,372	-	-	-	-	40	-	-	-	-	-	-	-	59	2,597	2,755	3,143	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	106	(227)	(388)	(766)	0.374	0.327	0.327	0.071	40	(74)	(127)	(54)
8	4	15	213	2,468	2,468	2,482	-	-	-	-	43	-	-	-	-	-	-	-	54	2,393	2,534	2,907	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	116	78	(65)	(424)	0.381	0.313	0.312	0.326	44	24	(20)	(138)
8	4	16	218	2,537	2,546	2,567	-	-	-	-	42	-	-	-	-	-	-	-	41	1,806	1,918	2,265	-	-	-	-	-	(3)	(1)	0	-	-	-	-	136	734	629	302	0.389	0.326	0.319	0.317	53	239	201	96
8	4	17	220	2,567	2,585	2,615	-	-	-	-	41	-	-	-	-	-	-	-	28	1,292	1,363	1,673	-	-	-	-	-	(4)	(1)	1	-	-	-	-	151	1,279	1,224	941	0.390	0.396	0.392	0.367	59	506	479	345
8	4	18	217	2,543	2,571	2,608	-	-	-	-	45	-	-	-	-	-	-	-	14	770	794	1,063	-	-	-	-	-	(2)	(2)	-	-	-	-	-	158	1,775	1,778	1,545	0.392	0.400	0.393	0.382	62	710	700	591
8	4	19	208	2,445	2,477	2,517	-	-	-	-	47	-	-	-	-	-	-	-	2	207	208	456	-	-	-	-	-	1	(1)	3	-	-	-	-	159	2,237	2,270	2,058	0.390	0.399	0.393	0.387	62	893	892	796
8	4	20	198	2,324	2,355	2,394	-	-	-	-	47	-	-	-	-	-	-	-	0	63	63	310	-	-	-	-	-	4	4	17	-	-	-	-	151	2,258	2,288	2,068	0.391	0.401	0.395	0.388	59	906	904	803
8	4	21	195	2,290	2,322	2,363	-	-	-	-	46	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	1	1	14	-	-	-	-	149	2,223	2,256	2,036	0.388	0.399	0.393	0.386	58	887	887	787
8	4	22	184	2,168	2,202	2,243	-	-	-	-	45	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	3	5	6	-	-	-	-	139	2,099	2,132	1,924	0.381	0.394	0.388	0.380	53	826	827	731
8	4	23	166	1,958	1,990	2,028	-	-	-	-	44	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	5	4	5	-	-	-	-	122	1,892	1,925	1,714	0.372	0.393	0.389	0.373	45	744	749	640
8	4	24	178	2,093	2,124	2,162	-	-	-	-	39	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	3	6	5	-	-	-	-	139	2,036	2,065	1,856	0.370	0.393	0.391	0.371	51	800	807	689
8	5	1	134	1,570	1,582	1,600	-	-	-	-	33	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	7	9	5	-	-	-	-	101	1,511	1,522	1,296	0.372	0.391	0.389	0.371	38	590	592	480
8	5	2	125	1,450	1,455	1,465	-	-	-	-	29	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	10	7	0	-	-	-	-	95	1,387	1,394	1,164	0.372	0.389	0.387	0.370	35	540	540	431
8	5	3	118	1,364	1,360	1,363	-	-	-	-	28	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	1	8	(0)	-	-	-	-	90	1,307	1,296	1,060	0.373	0.390	0.386	0.370	34	510	500	392
8	5	4	115	1,319	1,307	1,303	-	-	-	-	29	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	12	2	0	-	-	-	-	85	1,258	1,257	1,008	0.374	0.388	0.389	0.370	32	487	488	373
8	5	5	114	1,312	1,294	1,284	-	-	-	-	36	-	-	-	-	-	-	-	0	48	48	295	-	-	-	-	-	7	6	(3)	-	-	-	-	78	1,257	1,240	992	0.371	0.390	0.390	0.371	29	491	484	368
8	5	6	119	1,358	1,334	1,320	-	-	-	-	37	-	-	-	-	-	-	-	3	249	249	496	-	-	-	-	-	7	13	(4)	-	-	-	-	79	1,102	1,072	827	0.372	0.389	0.382	0.371	29	428	410	307
8	5	7	127	1,448	1,423	1,408	-	-	-	-	30	-	-	-	-	-	-	-	18	1,150	1,155	1,406	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	79	303	271	2	0.367	0.377	0.371	0.380	29	114	101	1
8	5	8	136	1,551	1,526	1,514	-	-	-	-	26	-	-	-	-	-	-	-	35	1,904	1,949	2,238	-	-	-	-	-	(8)	(8)	2	-	-	-	-	75	(345)	(416)	(725)	0.372	0.387	0.387	0.382	28	(134)	(161)	(277)
8	5	9	146	1,669	1,649	1,644	-	-	-	-	23	-	-	-	-	-	-	-	48	2,397	2,491	2,822	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	75	(715)	(829)	(1,167)	0.376	0.327	0.326	0.068	28	(233)	(270)	(79)
8	5	10	155	1,780	1,762	1,758	-	-	-	-	27	-	-	-	-	-	-	-	54	2,554	2,682	3,044	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	74	(762)	(907)	(1,271)	0.382	0.328	0.328	0.072	28	(250)	(298)	(91)
8	5	11	165	1,901	1,883	1,879	-	-	-	-	31	-	-	-	-	-	-	-	60	2,775	2,926	3,308	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	74	(859)	(1,027)	(1,413)	0.379	0.328	0.328	0.072	28	(281)	(337)	(101)
8	5	12	175	2,010	1,994	1,991	-	-	-	-	33	-	-	-	-	-	-	-	62	2,809	2,972	3,365	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	80	(786)	(963)	(1,358)	0.376	0.328	0.328	0.072	30	(257)	(316)	(97)
8	5	13	183	2,114	2,102	2,103	-	-	-	-	34	-	-	-	-	-	-	-	62	2,796	2,965	3,364	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	87	(677)	(852)	(1,250)	0.374	0.328	0.328	0.072	32	(222)	(279)	(90)
8	5	14	192	2,222	2,213	2,218	-	-	-	-	40	-	-	-	-	-	-	-	60	2,684	2,847	3,240	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	93	(459)	(630)	(1,017)	0.374	0.327	0.327	0.071	35	(150)	(206)	(72)
8	5	15	200	2,322	2,318	2,328	-	-	-	-	43	-	-	-	-	-	-	-	57	2,626	2,771	3,149	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	101	(302)	(453)	(819)	0.381	0.313	0.312	0.326	38	(94)	(141)	(267)
8	5	16	207	2,402	2,407	2,425	-	-	-	-	42	-	-	-	-	-	-	-	43	1,986	2,100	2,449	-	-	-	-	-	(3)	(1)	0	-	-	-	-	122	419	309	(24)	0.389	0.326	0.319	0.317	47	137	99	(8)
8	5	17	208	2,431	2,446	2,472	-	-	-	-	41	-	-	-	-	-	-	-	31	1,564	1,636	1,949	-	-	-	-	-	(4)	(1)	1	-	-	-	-	136	872	811	523	0.390	0.396	0.392	0.367	53	345	318	192
8	5	18	205	2,399	2,423	2,457	-	-	-	-	45	-	-	-	-	-	-	-	16	909	935	1,206	-	-	-	-	-	(2)	(2)	-	-	-	-	-	145	1,492	1,490	1,251	0.392	0.400	0.393	0.382	57	597	586	478
8	5	19	196	2,301	2,329	2,366	-	-	-	-	47	-	-	-	-	-	-	-	2	246	246	493	-	-	-	-	-	1	(1)	3	-	-	-	-	147	2,055	2,085	1,869	0.390	0.399	0.393	0.387	57	820	819	723
8	5	20	186	2,188	2,216	2,251	-	-	-	-	47	-	-	-	-	-	-	-	0	101	101	348	-	-	-	-	-	4	4	17	-	-	-	-	140	2,084	2,111	1,887	0.391	0.401	0.395	0.388	55	836	834	733
8	5	21	183	2,153	2,183	2,219	-	-	-	-	46	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	1	1	14	-	-	-	-	138	2,061	2,090	1,867	0.388	0.399	0.393	0.386	53	822	822	721
8	5	22	174	2,045	2,076	2,114	-	-	-	-	45	-	-	-	-	-	-	-	-	85	85	332	-	-	-	-	-	3	5	6	-	-	-	-	129	1,957	1,987	1,776	0.381	0.394	0.388	0.380	49	771	771	675
8	5	23	160	1,882	1,912	1,947	-	-	-	-	44	-	-	-	-	-	-	-	-	84	84	331	-	-	-	-	-	5	4	5	-	-	-	-	116	1,793	1,824	1,611	0.372	0.393	0.389	0.373	43	705	710	601
8	5	24	169	1,992	2,021	2,056	-	-	-	-	39	-	-	-	-	-	-	-	-	90	90	337	-	-	-	-	-	3	6	5	-	-	-	-	130	1,899	1,925	1,714	0.370	0.393	0.391	0.371	48	746	752	636
8	6	1	132	1,540	1,551	1,568	-	-	-	-	33	-	-	-	-	-	-	-	-	89	89	336	-	-	-	-	-	7	9	5	-	-	-	-	99	1,444	1,454	1,227	0.372	0.391	0.389	0.371	37	564	566	455
8	6	2	122	1,418	1,421	1,431	-	-	-	-	29	-	-	-	-	-	-	-	-	72	72	319	-	-	-	-	-	10	7	0	-	-	-	-	92	1,336	1,342	1,111	0.372	0.389	0.387	0.370	34	520	520	411
8	6	3	114	1,324	1,319	1,321	-	-	-	-	28	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	1	8	(0)	-	-	-	-	87	1,249	1,237	1,000	0.373	0.390	0.386	0.370	32	487	477	370
8	6	4	110	1,267	1,255	1,249	-	-	-	-	29	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	12	2	0	-	-	-	-	81	1,182	1,180	929	0.374	0.388	0.389	0.370	30	458	458	344
8	6	5	108	1,240	1,220	1,209	-	-	-	-	36	-	-	-	-	-	-	-	0	66	66	313	-	-	-	-	-	7	6	(3)	-	-	-	-	72	1,167	1,148	898	0.371	0.390	0.390	0.371	27	455	448	334
8	6	6	109	1,235	1,209	1,191	-	-	-	-	37	-	-	-	-	-	-	-	8	520	521	768	-	-	-	-	-	7	13	(4)	-	-	-	-	64	707	675	427	0.372	0.389	0.382	0.371	24	275	258	159
8	6	7	111	1,254	1,224	1,204	-	-	-	-	30	-	-	-	-	-	-	-	21	1,320	1,325	1,576	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	60	(62)	(98)	(372)	0.367	0.377	0.371	0.380	22	(23)	(36)	(141)
8	6	8	116	1,314	1,285	1,267	-	-	-	-	26	-	-	-	-	-	-	-	36	1,980	2,025	2,312	-	-	-	-	-	(8)	(8)	2	-	-	-	-	54	(658)	(733)	(1,047)	0.372	0.387	0.387	0.382	20	(255)	(283)	(400)
8	6	9	125	1,426	1,402	1,390	-	-	-	-	23	-	-	-	-	-	-	-	48	2,423	2,515	2,844	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	54	(984)	(1,100)	(1,443)	0.376	0.327	0.326	0.068	20	(321)	(359)	(98)
8	6	10	135	1,537	1,513	1,502	-	-	-	-	27	-	-	-	-	-	-	-	56	2,679	2,807	3,168	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	51	(1,130)	(1,281)	(1,650)	0.382	0.328	0.328	0.072	20	(371)	(420)	(118)
8	6	11	144	1,646	1,622	1,611	-	-	-	-	31	-	-	-	-	-	-	-	60	2,784	2,934	3,315	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	53	(1,124)	(1,296)	(1,688)	0.379	0.328	0.328	0.072	20	(368)	(425)	(121)
8	6	12	152	1,747	1,725	1,716	-	-	-	-	33	-	-	-	-	-	-	-	63	2,855	3,024	3,422	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	57	(1,095)	(1,283)	(1,690)	0.376	0.328	0.328	0.072	21	(359)	(421)	(121)
8	6	13	161	1,845	1,827	1,821	-	-	-	-	34	-	-	-	-	-	-	-	64	2,851	3,025	3,428	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	63	(1,000)	(1,186)	(1,596)	0.374	0.328	0.328	0.072	24	(328)	(389)	(114)
8	6	14	169	1,945	1,930	1,928	-	-	-	-	40	-	-	-	-	-	-	-	61	2,763	2,930	3,327	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	68	(815)	(997)	(1,394)	0.374	0.327	0.327	0.071	25	(267)	(326)	(99)
8	6	15	177	2,044	2,034	2,036	-	-	-	-	43	-	-	-	-	-	-	-	58	2,688	2,839	3,222	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	76	(642)	(805)	(1,184)	0.381	0.313	0.312	0.326	29	(201)	(251)	(386)
8	6	16	183	2,127	2,126	2,137	-	-	-	-	42	-	-	-	-	-	-	-	51	2,459	2,584	2,942	-	-	-	-	-	(3)	(1)	0	-	-	-	-	90	(329)	(456)	(805)	0.389	0.326	0.319	0.317	35	(107)	(146)	(255)
8	6	17	187	2,172	2,181	2,200	-	-	-	-	41	-	-	-	-	-	-	-	39	1,991	2,070	2,389	-	-	-	-	-	(4)	(1)	1	-	-	-	-	107	185	112	(190)	0.390	0.396	0.392	0.367	42	73	44	(70)
8	6	18	186	2,170	2,189	2,216	-	-	-	-	45	-	-	-	-	-	-	-	20	1,203	1,230	1,502	-	-	-	-	-	(2)	(2)	-	-	-	-	-	121	970	960	715	0.392	0.400	0.393	0.382	47	388	378	273
8	6	19	180	2,109	2,132	2,164	-	-	-	-	47	-	-	-	-	-	-	-	3	320	320	567	-	-	-	-	-	1	(1)	3	-	-	-	-	130	1,789	1,814	1,593	0.390	0.399	0.393	0.387	51	714	713	616
8	6	20	172	2,022	2,046	2,077	-	-	-	-	47	-	-	-	-	-	-	-	0	107	107	354	-	-	-	-	-	4	4	17	-	-	-	-	126	1,911	1,934	1,706	0.391	0.401	0.395	0.388	49	767	765	662
8	6	21	171	2,010	2,036	2,069	-	-	-	-	46	-	-	-	-	-	-	-	-	98	98	345	-	-	-	-	-	1	1	14	-	-	-	-	126	1,911	1,937	1,710	0.388	0.399	0.393	0.386	49	762	762	661
8	6	22	163	1,920	1,949	1,984	-	-	-	-	45	-	-	-	-	-	-	-	-	83	83	330	-	-	-	-	-	3	5	6	-	-	-	-	119	1,835	1,862	1,647	0.381	0.394	0.388	0.380	45	722	722	626
8	6	23	151	1,779	1,807	1,839	-	-	-	-	44	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	5	4	5	-	-	-	-	107	1,699	1,728	1,513	0.372	0.393	0.389	0.373	40	668	672	565
8	6	24	154	1,811	1,836	1,866	-	-	-	-	39	-	-	-	-	-	-	-	-	77	77	324	-	-	-	-	-	3	6	5	-	-	-	-	115	1,731	1,753	1,537	0.370	0.393	0.391	0.371	43	680	685	571
8	7	1	126	1,471	1,481	1,496	-	-	-	-	33	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	7	9	5	-	-	-	-	93	1,389	1,397	1,169	0.372	0.391	0.389	0.371	35	543	544	433
8	7	2	117	1,362	1,364	1,372	-	-	-	-	29	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	10	7	0	-	-	-	-	88	1,283	1,288	1,055	0.372	0.389	0.387	0.370	33	499	499	391
8	7	3	111	1,285	1,279	1,280	-	-	-	-	28	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	1	8	(0)	-	-	-	-	83	1,222	1,210	972	0.373	0.390	0.386	0.370	31	477	467	360
8	7	4	107	1,229	1,215	1,209	-	-	-	-	29	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	12	2	0	-	-	-	-	78	1,156	1,153	901	0.374	0.388	0.389	0.370	29	448	448	333
8	7	5	105	1,197	1,176	1,163	-	-	-	-	36	-	-	-	-	-	-	-	0	53	53	300	-	-	-	-	-	7	6	(3)	-	-	-	-	69	1,137	1,118	867	0.371	0.390	0.390	0.371	26	444	436	322
8	7	6	104	1,180	1,152	1,133	-	-	-	-	37	-	-	-	-	-	-	-	9	600	600	847	-	-	-	-	-	7	13	(4)	-	-	-	-	59	573	539	290	0.372	0.389	0.382	0.371	22	223	206	108
8	7	7	104	1,182	1,150	1,129	-	-	-	-	30	-	-	-	-	-	-	-	22	1,409	1,414	1,666	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	52	(223)	(260)	(537)	0.367	0.377	0.371	0.380	19	(84)	(97)	(204)
8	7	8	107	1,215	1,183	1,163	-	-	-	-	26	-	-	-	-	-	-	-	37	2,020	2,069	2,360	-	-	-	-	-	(8)	(8)	2	-	-	-	-	45	(797)	(878)	(1,199)	0.372	0.387	0.387	0.382	17	(308)	(340)	(458)
8	7	9	115	1,302	1,274	1,260	-	-	-	-	23	-	-	-	-	-	-	-	50	2,450	2,549	2,885	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	42	(1,135)	(1,262)	(1,614)	0.376	0.327	0.326	0.068	16	(370)	(412)	(109)
8	7	10	123	1,401	1,373	1,359	-	-	-	-	27	-	-	-	-	-	-	-	57	2,673	2,809	3,178	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	39	(1,261)	(1,423)	(1,803)	0.382	0.328	0.328	0.072	15	(413)	(467)	(129)
8	7	11	133	1,515	1,488	1,474	-	-	-	-	31	-	-	-	-	-	-	-	63	2,832	2,994	3,385	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	39	(1,303)	(1,489)	(1,894)	0.379	0.328	0.328	0.072	15	(427)	(488)	(136)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	7	12	143	1,640	1,615	1,603	-	-	-	-	33	-	-	-	-	-	-	-	64	2,859	3,033	3,435	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	47	(1,205)	(1,402)	(1,816)	0.376	0.328	0.328	0.072	17	(395)	(460)	(130)
8	7	13	154	1,762	1,741	1,733	-	-	-	-	34	-	-	-	-	-	-	-	64	2,816	2,991	3,395	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	56	(1,050)	(1,238)	(1,651)	0.374	0.328	0.328	0.072	21	(344)	(406)	(118)
8	7	14	164	1,882	1,866	1,863	-	-	-	-	40	-	-	-	-	-	-	-	62	2,749	2,916	3,313	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	62	(864)	(1,047)	(1,446)	0.374	0.327	0.327	0.071	23	(282)	(343)	(102)
8	7	15	173	1,995	1,984	1,985	-	-	-	-	43	-	-	-	-	-	-	-	58	2,656	2,808	3,190	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	72	(658)	(824)	(1,204)	0.381	0.313	0.312	0.326	27	(206)	(257)	(393)
8	7	16	180	2,091	2,089	2,099	-	-	-	-	42	-	-	-	-	-	-	-	51	2,386	2,508	2,865	-	-	-	-	-	(3)	(1)	0	-	-	-	-	88	(291)	(418)	(766)	0.389	0.326	0.319	0.317	34	(95)	(133)	(243)
8	7	17	185	2,157	2,165	2,184	-	-	-	-	41	-	-	-	-	-	-	-	39	1,940	2,020	2,338	-	-	-	-	-	(4)	(1)	1	-	-	-	-	106	220	146	(155)	0.390	0.396	0.392	0.367	41	87	57	(57)
8	7	18	186	2,177	2,196	2,224	-	-	-	-	45	-	-	-	-	-	-	-	22	1,241	1,269	1,542	-	-	-	-	-	(2)	(2)	-	-	-	-	-	120	938	928	682	0.392	0.400	0.393	0.382	47	375	365	261
8	7	19	183	2,145	2,169	2,202	-	-	-	-	47	-	-	-	-	-	-	-	4	316	316	563	-	-	-	-	-	1	(1)	3	-	-	-	-	133	1,828	1,854	1,635	0.390	0.399	0.393	0.387	52	730	729	632
8	7	20	177	2,079	2,104	2,137	-	-	-	-	47	-	-	-	-	-	-	-	0	84	84	331	-	-	-	-	-	4	4	17	-	-	-	-	131	1,992	2,016	1,790	0.391	0.401	0.395	0.388	51	799	797	695
8	7	21	177	2,080	2,108	2,143	-	-	-	-	46	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	1	1	14	-	-	-	-	131	2,007	2,034	1,809	0.388	0.399	0.393	0.386	51	800	800	699
8	7	22	169	1,984	2,014	2,050	-	-	-	-	45	-	-	-	-	-	-	-	-	67	67	314	-	-	-	-	-	3	5	6	-	-	-	-	124	1,914	1,942	1,730	0.381	0.394	0.388	0.380	47	753	754	658
8	7	23	153	1,804	1,832	1,866	-	-	-	-	44	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	5	4	5	-	-	-	-	109	1,737	1,767	1,552	0.372	0.393	0.389	0.373	41	683	687	579
8	7	24	149	1,749	1,772	1,801	-	-	-	-	39	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	3	6	5	-	-	-	-	110	1,693	1,713	1,496	0.370	0.393	0.391	0.371	41	665	670	555
8	8	1	125	1,459	1,468	1,483	-	-	-	-	33	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	7	9	5	-	-	-	-	92	1,406	1,414	1,185	0.372	0.391	0.389	0.371	34	549	550	439
8	8	2	116	1,352	1,354	1,362	-	-	-	-	29	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	10	7	0	-	-	-	-	87	1,300	1,305	1,072	0.372	0.389	0.387	0.370	32	506	505	397
8	8	3	111	1,286	1,280	1,281	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	1	8	(0)	-	-	-	-	83	1,243	1,231	992	0.373	0.390	0.386	0.370	31	485	475	367
8	8	4	109	1,252	1,239	1,233	-	-	-	-	29	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	12	2	0	-	-	-	-	80	1,203	1,200	949	0.374	0.388	0.389	0.370	30	466	466	351
8	8	5	110	1,257	1,238	1,226	-	-	-	-	36	-	-	-	-	-	-	-	0	26	26	273	-	-	-	-	-	7	6	(3)	-	-	-	-	74	1,224	1,206	956	0.371	0.390	0.390	0.371	27	478	471	355
8	8	6	116	1,319	1,294	1,279	-	-	-	-	37	-	-	-	-	-	-	-	8	529	529	777	-	-	-	-	-	7	13	(4)	-	-	-	-	71	782	752	506	0.372	0.389	0.382	0.371	26	304	287	188
8	8	7	125	1,422	1,396	1,381	-	-	-	-	30	-	-	-	-	-	-	-	22	1,326	1,331	1,582	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	74	101	69	(201)	0.367	0.377	0.371	0.380	27	38	26	(76)
8	8	8	134	1,528	1,504	1,491	-	-	-	-	26	-	-	-	-	-	-	-	36	1,924	1,973	2,264	-	-	-	-	-	(8)	(8)	2	-	-	-	-	72	(388)	(462)	(775)	0.372	0.387	0.387	0.382	27	(150)	(179)	(296)
8	8	9	143	1,643	1,623	1,617	-	-	-	-	23	-	-	-	-	-	-	-	49	2,379	2,477	2,813	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	71	(723)	(841)	(1,184)	0.376	0.327	0.326	0.068	27	(236)	(275)	(80)
8	8	10	152	1,742	1,723	1,718	-	-	-	-	27	-	-	-	-	-	-	-	57	2,634	2,771	3,140	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	67	(880)	(1,034)	(1,406)	0.382	0.328	0.328	0.072	26	(288)	(339)	(101)
8	8	11	161	1,849	1,830	1,824	-	-	-	-	31	-	-	-	-	-	-	-	61	2,714	2,873	3,263	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	69	(851)	(1,028)	(1,423)	0.379	0.328	0.328	0.072	26	(279)	(337)	(102)
8	8	12	170	1,954	1,937	1,933	-	-	-	-	33	-	-	-	-	-	-	-	63	2,750	2,922	3,322	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	74	(783)	(969)	(1,373)	0.376	0.328	0.328	0.072	28	(257)	(318)	(98)
8	8	13	177	2,045	2,031	2,030	-	-	-	-	34	-	-	-	-	-	-	-	63	2,736	2,910	3,312	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	80	(686)	(867)	(1,270)	0.374	0.328	0.328	0.072	30	(225)	(284)	(91)
8	8	14	186	2,154	2,144	2,148	-	-	-	-	40	-	-	-	-	-	-	-	62	2,710	2,877	3,274	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	85	(553)	(730)	(1,122)	0.374	0.327	0.327	0.071	32	(181)	(239)	(79)
8	8	15	195	2,257	2,252	2,260	-	-	-	-	43	-	-	-	-	-	-	-	59	2,611	2,762	3,144	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	93	(352)	(510)	(883)	0.381	0.313	0.312	0.326	36	(110)	(159)	(288)
8	8	16	202	2,352	2,356	2,373	-	-	-	-	42	-	-	-	-	-	-	-	51	2,339	2,461	2,818	-	-	-	-	-	(3)	(1)	0	-	-	-	-	110	16	(104)	(445)	0.389	0.326	0.319	0.317	43	5	(33)	(141)
8	8	17	206	2,403	2,417	2,443	-	-	-	-	41	-	-	-	-	-	-	-	39	1,904	1,984	2,303	-	-	-	-	-	(4)	(1)	1	-	-	-	-	126	502	434	139	0.390	0.396	0.392	0.367	49	199	170	51
8	8	18	205	2,396	2,420	2,454	-	-	-	-	45	-	-	-	-	-	-	-	20	1,132	1,160	1,431	-	-	-	-	-	(2)	(2)	-	-	-	-	-	140	1,266	1,262	1,022	0.392	0.400	0.393	0.382	55	506	496	391
8	8	19	197	2,314	2,342	2,379	-	-	-	-	47	-	-	-	-	-	-	-	3	254	254	502	-	-	-	-	-	1	(1)	3	-	-	-	-	147	2,059	2,089	1,874	0.390	0.399	0.393	0.387	57	822	821	725
8	8	20	189	2,214	2,243	2,279	-	-	-	-	47	-	-	-	-	-	-	-	0	82	82	329	-	-	-	-	-	4	4	17	-	-	-	-	142	2,129	2,156	1,933	0.391	0.401	0.395	0.388	56	854	852	751
8	8	21	186	2,190	2,221	2,258	-	-	-	-	46	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	1	1	14	-	-	-	-	141	2,116	2,147	1,925	0.388	0.399	0.393	0.386	55	844	844	744
8	8	22	176	2,070	2,102	2,141	-	-	-	-	45	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	3	5	6	-	-	-	-	131	2,011	2,042	1,831	0.381	0.394	0.388	0.380	50	792	792	696
8	8	23	160	1,879	1,909	1,945	-	-	-	-	44	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	5	4	5	-	-	-	-	116	1,825	1,856	1,643	0.372	0.393	0.389	0.373	43	718	722	613
8	8	24	165	1,940	1,968	2,001	-	-	-	-	39	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	3	6	5	-	-	-	-	126	1,892	1,917	1,705	0.370	0.393	0.391	0.371	47	743	749	633
8	9	1	130	1,520	1,531	1,547	-	-	-	-	33	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	7	9	5	-	-	-	-	97	1,472	1,482	1,255	0.372	0.391	0.389	0.371	36	575	577	465
8	9	2	122	1,416	1,419	1,428	-	-	-	-	29	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	10	7	0	-	-	-	-	92	1,372	1,378	1,147	0.372	0.389	0.387	0.370	34	534	533	425
8	9	3	116	1,339	1,334	1,336	-	-	-	-	28	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	1	8	(0)	-	-	-	-	88	1,307	1,296	1,059	0.373	0.390	0.386	0.370	33	510	500	392
8	9	4	112	1,295	1,283	1,278	-	-	-	-	29	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	12	2	0	-	-	-	-	83	1,259	1,258	1,008	0.374	0.388	0.389	0.370	31	488	489	373
8	9	5	113	1,294	1,276	1,265	-	-	-	-	36	-	-	-	-	-	-	-	0	15	15	262	-	-	-	-	-	7	6	(3)	-	-	-	-	77	1,272	1,255	1,007	0.371	0.390	0.390	0.371	29	497	490	374
8	9	6	118	1,346	1,322	1,308	-	-	-	-	37	-	-	-	-	-	-	-	8	512	512	759	-	-	-	-	-	7	13	(4)	-	-	-	-	73	827	797	552	0.372	0.389	0.382	0.371	27	322	305	205
8	9	7	128	1,458	1,433	1,418	-	-	-	-	30	-	-	-	-	-	-	-	22	1,342	1,347	1,598	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	76	120	89	(179)	0.367	0.377	0.371	0.380	28	45	33	(68)
8	9	8	137	1,564	1,540	1,529	-	-	-	-	26	-	-	-	-	-	-	-	36	1,949	1,997	2,288	-	-	-	-	-	(8)	(8)	2	-	-	-	-	75	(378)	(449)	(760)	0.372	0.387	0.387	0.382	28	(146)	(174)	(290)
8	9	9	146	1,669	1,650	1,645	-	-	-	-	23	-	-	-	-	-	-	-	48	2,343	2,441	2,775	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	74	(661)	(778)	(1,119)	0.376	0.327	0.326	0.068	28	(216)	(254)	(76)
8	9	10	154	1,764	1,745	1,741	-	-	-	-	27	-	-	-	-	-	-	-	56	2,595	2,730	3,099	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	70	(819)	(972)	(1,342)	0.382	0.328	0.328	0.072	27	(268)	(319)	(96)
8	9	11	162	1,866	1,847	1,842	-	-	-	-	31	-	-	-	-	-	-	-	60	2,691	2,849	3,238	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	71	(811)	(986)	(1,379)	0.379	0.328	0.328	0.072	27	(266)	(323)	(99)
8	9	12	171	1,964	1,947	1,943	-	-	-	-	33	-	-	-	-	-	-	-	62	2,735	2,905	3,304	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	76	(758)	(943)	(1,345)	0.376	0.328	0.328	0.072	28	(248)	(309)	(96)
8	9	13	178	2,050	2,036	2,036	-	-	-	-	34	-	-	-	-	-	-	-	63	2,737	2,910	3,311	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	81	(682)	(861)	(1,264)	0.374	0.328	0.328	0.072	30	(224)	(282)	(91)
8	9	14	186	2,152	2,142	2,145	-	-	-	-	40	-	-	-	-	-	-	-	61	2,681	2,846	3,240	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	86	(527)	(701)	(1,090)	0.374	0.327	0.327	0.071	32	(172)	(229)	(77)
8	9	15	194	2,240	2,235	2,242	-	-	-	-	43	-	-	-	-	-	-	-	58	2,597	2,746	3,126	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	93	(355)	(511)	(882)	0.381	0.313	0.312	0.326	35	(111)	(159)	(288)
8	9	16	200	2,323	2,327	2,343	-	-	-	-	42	-	-	-	-	-	-	-	50	2,320	2,440	2,794	-	-	-	-	-	(3)	(1)	0	-	-	-	-	109	7	(111)	(451)	0.389	0.326	0.319	0.317	42	2	(36)	(143)
8	9	17	203	2,370	2,383	2,408	-	-	-	-	41	-	-	-	-	-	-	-	38	1,896	1,973	2,290	-	-	-	-	-	(4)	(1)	1	-	-	-	-	124	477	411	117	0.390	0.396	0.392	0.367	48	189	161	43
8	9	18	202	2,365	2,388	2,421	-	-	-	-	45	-	-	-	-	-	-	-	20	1,143	1,168	1,438	-	-	-	-	-	(2)	(2)	-	-	-	-	-	138	1,225	1,222	983	0.392	0.400	0.393	0.382	54	490	481	376
8	9	19	196	2,299	2,327	2,364	-	-	-	-	47	-	-	-	-	-	-	-	3	269	270	517	-	-	-	-	-	1	(1)	3	-	-	-	-	146	2,029	2,059	1,844	0.390	0.399	0.393	0.387	57	810	809	713
8	9	20	188	2,207	2,236	2,272	-	-	-	-	47	-	-	-	-	-	-	-	0	98	98	345	-	-	-	-	-	4	4	17	-	-	-	-	141	2,105	2,133	1,910	0.391	0.401	0.395	0.388	55	845	843	741
8	9	21	186	2,184	2,215	2,252	-	-	-	-	46	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	1	1	14	-	-	-	-	140	2,091	2,122	1,899	0.388	0.399	0.393	0.386	54	834	834	734
8	9	22	176	2,069	2,101	2,139	-	-	-	-	45	-	-	-	-	-	-	-	-	81	81	328	-	-	-	-	-	3	5	6	-	-	-	-	131	1,985	2,016	1,805	0.381	0.394	0.388	0.380	50	781	782	686
8	9	23	159	1,876	1,906	1,941	-	-	-	-	44	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	5	4	5	-	-	-	-	115	1,796	1,827	1,615	0.372	0.393	0.389	0.373	43	706	711	603
8	9	24	166	1,951	1,979	2,013	-	-	-	-	39	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	3	6	5	-	-	-	-	127	1,885	1,910	1,698	0.370	0.393	0.391	0.371	47	740	746	630
8	10	1	129	1,508	1,519	1,535	-	-	-	-	33	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	7	9	5	-	-	-	-	96	1,448	1,457	1,230	0.372	0.391	0.389	0.371	36	566	567	456
8	10	2	120	1,393	1,396	1,405	-	-	-	-	29	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	10	7	0	-	-	-	-	90	1,344	1,350	1,119	0.372	0.389	0.387	0.370	34	523	523	414
8	10	3	114	1,316	1,311	1,313	-	-	-	-	28	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	1	8	(0)	-	-	-	-	86	1,283	1,271	1,033	0.373	0.390	0.386	0.370	32	500	490	383
8	10	4	110	1,271	1,258	1,253	-	-	-	-	29	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	12	2	0	-	-	-	-	81	1,232	1,230	980	0.374	0.388	0.389	0.370	30	478	478	362
8	10	5	111	1,268	1,249	1,238	-	-	-	-	36	-	-	-	-	-	-	-	0	14	14	261	-	-	-	-	-	7	6	(3)	-	-	-	-	75	1,246	1,228	979	0.371	0.390	0.390	0.371	28	486	479	364
8	10	6	115	1,314	1,289	1,274	-	-	-	-	37	-	-	-	-	-	-	-	8	492	492	740	-	-	-	-	-	7	13	(4)	-	-	-	-	71	814	784	538	0.372	0.389	0.382	0.371	26	317	300	200
8	10	7	124	1,415	1,389	1,373	-	-	-	-	30	-	-	-	-	-	-	-	22	1,325	1,329	1,580	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	73	95	63	(207)	0.367	0.377	0.371	0.380	27	36	23	(79)
8	10	8	133	1,515	1,490	1,478	-	-	-	-	26	-	-	-	-	-	-	-	36	1,926	1,974	2,264	-	-	-	-	-	(8)	(8)	2	-	-	-	-	71	(403)	(476)	(789)	0.372	0.387	0.387	0.382	26	(156)	(184)	(301)
8	10	9	141	1,620	1,600	1,593	-	-	-	-	23	-	-	-	-	-	-	-	48	2,325	2,422	2,756	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	71	(692)	(809)	(1,151)	0.376	0.327	0.326	0.068	27	(226)	(264)	(78)
8	10	10	150	1,720	1,700	1,695	-	-	-	-	27	-	-	-	-	-	-	-	57	2,632	2,767	3,134	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	66	(901)	(1,053)	(1,424)	0.382	0.328	0.328	0.072	25	(295)	(346)	(102)
8	10	11	161	1,844	1,825	1,820	-	-	-	-	31	-	-	-	-	-	-	-	61	2,731	2,889	3,277	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	69	(873)	(1,048)	(1,441)	0.379	0.328	0.328	0.072	26	(286)	(344)	(103)
8	10	12	170	1,950	1,932	1,928	-	-	-	-	33	-	-	-	-	-	-	-	63	2,748	2,917	3,316	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	74	(785)	(970)	(1,372)	0.376	0.328	0.328	0.072	28	(257)	(318)	(98)
8	10	13	177	2,037	2,023	2,022	-	-	-	-	34	-	-	-	-	-	-	-	62	2,731	2,902	3,303	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	80	(689)	(868)	(1,270)	0.374	0.328	0.328	0.072	30	(226)	(284)	(91)
8	10	14	185	2,142	2,132	2,135	-	-	-	-	40	-	-	-	-	-	-	-	61	2,678	2,842	3,237	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	85	(533)	(707)	(1,097)	0.374	0.327	0.327	0.071	32	(174)	(231)	(78)
8	10	15	194	2,241	2,236	2,244	-	-	-	-	43	-	-	-	-	-	-	-	57	2,568	2,716	3,096	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	93	(324)	(480)	(851)	0.381	0.313	0.312	0.326	36	(101)	(150)	(277)
8	10	16	201	2,331	2,335	2,351	-	-	-	-	42	-	-	-	-	-	-	-	50	2,305	2,425	2,779	-	-	-	-	-	(3)	(1)	0	-	-	-	-	109	29	(89)	(429)	0.389	0.326	0.319	0.317	42	9	(28)	(136)
8	10	17	205	2,385	2,399	2,424	-	-	-	-	41	-	-	-	-	-	-	-	37	1,823	1,899	2,215	-	-	-	-	-	(4)	(1)	1	-	-	-	-	126	566	501	208	0.390	0.396	0.392	0.367	49	224	196	76
8	10	18	203	2,378	2,402	2,435	-	-	-	-	45	-	-	-	-	-	-	-	20	1,101	1,127	1,397	-	-	-	-	-	(2)	(2)	-	-	-	-	-	139	1,279	1,276	1,038	0.392	0.400	0.393	0.382	54	512	502	397
8	10	19	196	2,296	2,324	2,360	-	-	-	-	47	-	-	-	-	-	-	-	3	234	234	482	-	-	-	-	-	1	(1)	3	-	-	-	-	146	2,061	2,090	1,875	0.390	0.399	0.393	0.387	57	823	822	725
8	10	20	188	2,201	2,229	2,265	-	-	-	-	47	-	-	-	-	-	-	-	0	84	84	331	-	-	-	-	-	4	4	17	-	-	-	-	141	2,113	2,141	1,917	0.391	0.401	0.395	0.388	55	848	846	744
8	10	21	186	2,181	2,211	2,248	-	-	-	-	46	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	1	1	14	-	-	-	-	140	2,106	2,136	1,914	0.388	0.399	0.393	0.386	54	840	840	739
8	10	22	175	2,064	2,096	2,134	-	-	-	-	45	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	3	5	6	-	-	-	-	131	1,998	2,029	1,818	0.381	0.394	0.388	0.380	50	787	787	691
8	10	23	158	1,863	1,892	1,927	-	-	-	-	44	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	5	4	5	-	-	-	-	114	1,809	1,840	1,627	0.372	0.393	0.389	0.373	42	712	716	607
8	10	24	164	1,923	1,951	1,984	-	-	-	-	39	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	3	6	5	-	-	-	-	125	1,878	1,903	1,690	0.370	0.393	0.391	0.371	46	738	744	627
8	11	1	128	1,494	1,504	1,520	-	-	-	-	33	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	7	9	5	-	-	-	-	95	1,455	1,464	1,237	0.372	0.391	0.389	0.371	35	569	570	458
8	11	2	119	1,382	1,385	1,393	-	-	-	-	29	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	10	7	0	-	-	-	-	89	1,352	1,357	1,125	0.372	0.389	0.387	0.370	33	526	525	417
8	11	3	113	1,309	1,304	1,305	-	-	-	-	28	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	1	8	(0)	-	-	-	-	85	1,298	1,286	1,048	0.373	0.390	0.386	0.370	32	506	496	388
8	11	4	110	1,268	1,256	1,250	-	-	-	-	29	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	12	2	0	-	-	-	-	81	1,255	1,253	1,002	0.374	0.388	0.389	0.370	30	486	487	371
8	11	5	111	1,265	1,246	1,235	-	-	-	-	36	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	7	6	(3)	-	-	-	-	75	1,258	1,240	991	0.371	0.390	0.390	0.371	28	491	484	368
8	11	6	115	1,310	1,285	1,270	-	-	-	-	37	-	-	-	-	-	-	-	7	430	431	678	-	-	-	-	-	7	13	(4)	-	-	-	-	72	872	842	596	0.372	0.389	0.382	0.371	27	339	322	221
8	11	7	123	1,402	1,375	1,359	-	-	-	-	30	-	-	-	-	-	-	-	21	1,257	1,262	1,514	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	73	149	116	(154)	0.367	0.377	0.371	0.380	27	56	43	(59)
8	11	8	131	1,498	1,472	1,459	-	-	-	-	26	-	-	-	-	-	-	-	35	1,868	1,916	2,206	-	-	-	-	-	(8)	(8)	2	-	-	-	-	71	(362)	(436)	(749)	0.372	0.387	0.387	0.382	26	(140)	(169)	(286)
8	11	9	141	1,611	1,591	1,584	-	-	-	-	23	-	-	-	-	-	-	-	45	2,153	2,249	2,582	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	73	(528)	(645)	(987)	0.376	0.327	0.326	0.068	27	(172)	(211)	(67)
8	11	10	151	1,727	1,707	1,701	-	-	-	-	27	-	-	-	-	-	-	-	56	2,550	2,684	3,051	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	68	(812)	(964)	(1,334)	0.382	0.328	0.328	0.072	26	(266)	(316)	(95)
8	11	11	161	1,852	1,833	1,828	-	-	-	-	31	-	-	-	-	-	-	-	60	2,659	2,816	3,203	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	71	(792)	(967)	(1,359)	0.379	0.328	0.328	0.072	27	(259)	(317)	(97)
8	11	12	170	1,958	1,940	1,936	-	-	-	-	33	-	-	-	-	-	-	-	62	2,717	2,886	3,284	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	76	(746)	(930)	(1,332)	0.376	0.328	0.328	0.072	28	(244)	(305)	(95)
8	11	13	177	2,041	2,027	2,026	-	-	-	-	34	-	-	-	-	-	-	-	61	2,672	2,843	3,242	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	82	(625)	(803)	(1,205)	0.374	0.328	0.328	0.072	31	(205)	(263)	(86)
8	11	14	186	2,146	2,137	2,140	-	-	-	-	40	-	-	-	-	-	-	-	60	2,658	2,822	3,215	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	86	(509)	(682)	(1,071)	0.374	0.327	0.327	0.071	32	(166)	(223)	(76)
8	11	15	195	2,255	2,250	2,258	-	-	-	-	43	-	-	-	-	-	-	-	52	2,339	2,481	2,855	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	100	(81)	(230)	(596)	0.381	0.313	0.312	0.326	38	(25)	(72)	(194)
8	11	16	202	2,345	2,349	2,365	-	-	-	-	42	-	-	-	-	-	-	-	47	2,175	2,292	2,644	-	-	-	-	-	(3)	(1)	0	-	-	-	-	113	173	58	(279)	0.389	0.326	0.319	0.317	44	56	19	(88)
8	11	17	205	2,386	2,400	2,425	-	-	-	-	41	-	-	-	-	-	-	-	37	1,842	1,917	2,231	-	-	-	-	-	(4)	(1)	1	-	-	-	-	127	548	484	193	0.390	0.396	0.392	0.367	49	217	190	71
8	11	18	203	2,376	2,399	2,432	-	-	-	-	45	-	-	-	-	-	-	-	19	1,110	1,134	1,403	-	-	-	-	-	(2)	(2)	-	-	-	-	-	139	1,268	1,266	1,029	0.392	0.400	0.393	0.382	55	507	498	393
8	11	19	196	2,294	2,322	2,359	-	-	-	-	47	-	-	-	-	-	-	-	2	238	239	486	-	-	-	-	-	1	(1)	3	-	-	-	-	146	2,055	2,085	1,869	0.390	0.399	0.393	0.387	57	820	820	723
8	11	20	188	2,204	2,232	2,267	-	-	-	-	47	-	-	-	-	-	-	-	0	94	94	341	-	-	-	-	-	4	4	17	-	-	-	-	141	2,106	2,134	1,910	0.391	0.401	0.395	0.388	55	845	843	742
8	11	21	186	2,183	2,213	2,251	-	-	-	-	46	-	-	-	-	-	-	-	-	90	90	337	-	-	-	-	-	1	1	14	-	-	-	-	140	2,093	2,123	1,901	0.388	0.399	0.393	0.386	54	835	835	734
8	11	22	176	2,071	2,103	2,142	-	-	-	-	45	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	3	5	6	-	-	-	-	131	1,994	2,025	1,815	0.381	0.394	0.388	0.380	50	785	786	690

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	11	23	160	1,883	1,913	1,948	-	-	-	-	44	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	5	4	5	-	-	-	-	116	1,817	1,849	1,636	0.372	0.393	0.389	0.373	43	715	719	611
8	11	24	165	1,938	1,965	1,999	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	3	6	5	-	-	-	-	126	1,895	1,920	1,708	0.370	0.393	0.391	0.371	46	745	751	634
8	12	1	130	1,525	1,536	1,552	-	-	-	-	33	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	7	9	5	-	-	-	-	98	1,488	1,498	1,271	0.372	0.391	0.389	0.371	36	581	583	471
8	12	2	121	1,409	1,412	1,421	-	-	-	-	29	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	10	7	0	-	-	-	-	92	1,374	1,381	1,149	0.372	0.389	0.387	0.370	34	535	534	425
8	12	3	115	1,333	1,328	1,330	-	-	-	-	28	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	1	8	(0)	-	-	-	-	87	1,314	1,303	1,065	0.373	0.390	0.386	0.370	33	512	503	394
8	12	4	112	1,289	1,276	1,272	-	-	-	-	29	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	12	2	0	-	-	-	-	83	1,270	1,268	1,018	0.374	0.388	0.389	0.370	31	492	493	376
8	12	5	112	1,287	1,268	1,257	-	-	-	-	36	-	-	-	-	-	-	-	0	2	2	249	-	-	-	-	-	7	6	(3)	-	-	-	-	76	1,278	1,261	1,012	0.371	0.390	0.390	0.371	28	499	492	376
8	12	6	117	1,330	1,306	1,291	-	-	-	-	37	-	-	-	-	-	-	-	7	438	438	685	-	-	-	-	-	7	13	(4)	-	-	-	-	73	885	855	610	0.372	0.389	0.382	0.371	27	344	327	226
8	12	7	125	1,429	1,403	1,387	-	-	-	-	30	-	-	-	-	-	-	-	21	1,273	1,278	1,529	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	75	160	129	(141)	0.367	0.377	0.371	0.380	27	61	48	(54)
8	12	8	134	1,533	1,508	1,495	-	-	-	-	26	-	-	-	-	-	-	-	35	1,874	1,923	2,214	-	-	-	-	-	(8)	(8)	2	-	-	-	-	73	(334)	(408)	(720)	0.372	0.387	0.387	0.382	27	(129)	(158)	(275)
8	12	9	145	1,657	1,637	1,631	-	-	-	-	23	-	-	-	-	-	-	-	48	2,297	2,395	2,730	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	74	(627)	(745)	(1,088)	0.376	0.327	0.326	0.068	28	(205)	(243)	(74)
8	12	10	155	1,783	1,764	1,760	-	-	-	-	27	-	-	-	-	-	-	-	56	2,541	2,675	3,042	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	73	(746)	(897)	(1,266)	0.382	0.328	0.328	0.072	28	(245)	(294)	(91)
8	12	11	166	1,903	1,886	1,881	-	-	-	-	31	-	-	-	-	-	-	-	60	2,660	2,817	3,205	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	75	(742)	(915)	(1,307)	0.379	0.328	0.328	0.072	28	(243)	(300)	(94)
8	12	12	175	2,017	2,001	1,998	-	-	-	-	33	-	-	-	-	-	-	-	62	2,690	2,858	3,256	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	81	(659)	(842)	(1,242)	0.376	0.328	0.328	0.072	30	(216)	(276)	(89)
8	12	13	183	2,106	2,093	2,094	-	-	-	-	34	-	-	-	-	-	-	-	62	2,700	2,870	3,270	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	87	(590)	(765)	(1,165)	0.374	0.328	0.328	0.072	32	(193)	(251)	(83)
8	12	14	192	2,217	2,209	2,214	-	-	-	-	40	-	-	-	-	-	-	-	60	2,619	2,782	3,175	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	92	(399)	(570)	(957)	0.374	0.327	0.327	0.071	35	(130)	(186)	(68)
8	12	15	201	2,325	2,321	2,331	-	-	-	-	43	-	-	-	-	-	-	-	56	2,538	2,685	3,064	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	101	(211)	(363)	(731)	0.381	0.313	0.312	0.326	39	(66)	(113)	(238)
8	12	16	207	2,408	2,414	2,431	-	-	-	-	42	-	-	-	-	-	-	-	49	2,291	2,409	2,762	-	-	-	-	-	(3)	(1)	0	-	-	-	-	116	120	5	(331)	0.389	0.326	0.319	0.317	45	39	2	(105)
8	12	17	210	2,454	2,470	2,496	-	-	-	-	41	-	-	-	-	-	-	-	36	1,799	1,875	2,190	-	-	-	-	-	(4)	(1)	1	-	-	-	-	133	659	596	305	0.390	0.396	0.392	0.367	52	261	233	112
8	12	18	208	2,437	2,461	2,496	-	-	-	-	45	-	-	-	-	-	-	-	18	1,060	1,084	1,353	-	-	-	-	-	(2)	(2)	-	-	-	-	-	145	1,379	1,379	1,143	0.392	0.400	0.393	0.382	57	552	543	437
8	12	19	200	2,348	2,377	2,415	-	-	-	-	47	-	-	-	-	-	-	-	2	205	205	453	-	-	-	-	-	1	(1)	3	-	-	-	-	151	2,142	2,173	1,959	0.390	0.399	0.393	0.387	59	855	854	758
8	12	20	191	2,241	2,270	2,306	-	-	-	-	47	-	-	-	-	-	-	-	0	76	76	323	-	-	-	-	-	4	4	17	-	-	-	-	144	2,162	2,190	1,967	0.391	0.401	0.395	0.388	56	867	866	764
8	12	21	188	2,208	2,239	2,277	-	-	-	-	46	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	1	1	14	-	-	-	-	142	2,137	2,168	1,946	0.388	0.399	0.393	0.386	55	852	852	752
8	12	22	178	2,090	2,123	2,162	-	-	-	-	45	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	3	5	6	-	-	-	-	133	2,026	2,057	1,847	0.381	0.394	0.388	0.380	51	798	798	702
8	12	23	163	1,921	1,952	1,988	-	-	-	-	44	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	5	4	5	-	-	-	-	119	1,865	1,897	1,686	0.372	0.393	0.389	0.373	44	734	738	629
8	12	24	170	1,998	2,028	2,063	-	-	-	-	39	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	3	6	5	-	-	-	-	131	1,958	1,984	1,773	0.370	0.393	0.391	0.371	48	769	776	658
8	13	1	134	1,571	1,583	1,601	-	-	-	-	33	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	7	9	5	-	-	-	-	101	1,533	1,544	1,318	0.372	0.391	0.389	0.371	38	599	601	488
8	13	2	124	1,446	1,450	1,460	-	-	-	-	29	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	10	7	0	-	-	-	-	95	1,407	1,414	1,184	0.372	0.389	0.387	0.370	35	547	548	438
8	13	3	117	1,355	1,351	1,354	-	-	-	-	28	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	1	8	(0)	-	-	-	-	89	1,333	1,322	1,086	0.373	0.390	0.386	0.370	33	520	510	402
8	13	4	112	1,294	1,282	1,277	-	-	-	-	29	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	12	2	0	-	-	-	-	83	1,267	1,266	1,016	0.374	0.388	0.389	0.370	31	491	492	376
8	13	5	110	1,264	1,245	1,234	-	-	-	-	36	-	-	-	-	-	-	-	0	7	7	254	-	-	-	-	-	7	6	(3)	-	-	-	-	74	1,250	1,232	983	0.371	0.390	0.390	0.371	28	488	481	365
8	13	6	110	1,255	1,229	1,212	-	-	-	-	37	-	-	-	-	-	-	-	5	300	300	548	-	-	-	-	-	7	13	(4)	-	-	-	-	69	948	916	669	0.372	0.389	0.382	0.371	26	369	350	248
8	13	7	112	1,272	1,242	1,223	-	-	-	-	30	-	-	-	-	-	-	-	19	1,182	1,187	1,438	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	63	94	59	(215)	0.367	0.377	0.371	0.380	23	36	22	(82)
8	13	8	118	1,337	1,308	1,291	-	-	-	-	26	-	-	-	-	-	-	-	34	1,791	1,837	2,125	-	-	-	-	-	(8)	(8)	2	-	-	-	-	58	(446)	(521)	(837)	0.372	0.387	0.387	0.382	22	(173)	(202)	(319)
8	13	9	129	1,473	1,449	1,439	-	-	-	-	23	-	-	-	-	-	-	-	43	2,045	2,140	2,472	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	63	(559)	(677)	(1,021)	0.376	0.327	0.326	0.068	24	(183)	(221)	(69)
8	13	10	142	1,623	1,601	1,593	-	-	-	-	27	-	-	-	-	-	-	-	53	2,373	2,504	2,868	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	62	(738)	(889)	(1,259)	0.382	0.328	0.328	0.072	24	(242)	(292)	(90)
8	13	11	155	1,780	1,759	1,752	-	-	-	-	31	-	-	-	-	-	-	-	58	2,546	2,699	3,083	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	66	(752)	(924)	(1,315)	0.379	0.328	0.328	0.072	25	(246)	(303)	(94)
8	13	12	168	1,937	1,919	1,914	-	-	-	-	33	-	-	-	-	-	-	-	59	2,553	2,716	3,110	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	77	(603)	(782)	(1,179)	0.376	0.328	0.328	0.072	29	(197)	(256)	(84)
8	13	13	182	2,095	2,083	2,084	-	-	-	-	34	-	-	-	-	-	-	-	58	2,465	2,630	3,024	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	90	(365)	(535)	(929)	0.374	0.328	0.328	0.072	34	(119)	(175)	(67)
8	13	14	193	2,234	2,227	2,232	-	-	-	-	40	-	-	-	-	-	-	-	58	2,522	2,681	3,071	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	95	(285)	(451)	(834)	0.374	0.327	0.327	0.071	36	(93)	(148)	(59)
8	13	15	203	2,351	2,349	2,359	-	-	-	-	43	-	-	-	-	-	-	-	55	2,454	2,597	2,972	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	105	(100)	(248)	(611)	0.381	0.313	0.312	0.326	40	(31)	(77)	(199)
8	13	16	210	2,440	2,446	2,465	-	-	-	-	42	-	-	-	-	-	-	-	47	2,137	2,251	2,599	-	-	-	-	-	(3)	(1)	0	-	-	-	-	122	305	197	(134)	0.389	0.326	0.319	0.317	47	100	63	(43)
8	13	17	213	2,489	2,506	2,534	-	-	-	-	41	-	-	-	-	-	-	-	35	1,710	1,783	2,095	-	-	-	-	-	(4)	(1)	1	-	-	-	-	137	783	724	438	0.390	0.396	0.392	0.367	54	310	284	161
8	13	18	211	2,474	2,500	2,536	-	-	-	-	45	-	-	-	-	-	-	-	18	1,001	1,024	1,291	-	-	-	-	-	(2)	(2)	-	-	-	-	-	149	1,475	1,478	1,245	0.392	0.400	0.393	0.382	58	590	582	476
8	13	19	204	2,392	2,422	2,461	-	-	-	-	47	-	-	-	-	-	-	-	2	176	176	423	-	-	-	-	-	1	(1)	3	-	-	-	-	155	2,215	2,247	2,035	0.390	0.399	0.393	0.387	61	884	883	787
8	13	20	195	2,289	2,319	2,357	-	-	-	-	47	-	-	-	-	-	-	-	0	59	59	306	-	-	-	-	-	4	4	17	-	-	-	-	148	2,226	2,255	2,034	0.391	0.401	0.395	0.388	58	893	891	790
8	13	21	191	2,250	2,282	2,322	-	-	-	-	46	-	-	-	-	-	-	-	-	79	79	326	-	-	-	-	-	1	1	14	-	-	-	-	146	2,170	2,202	1,982	0.388	0.399	0.393	0.386	57	866	866	766
8	13	22	182	2,139	2,173	2,214	-	-	-	-	45	-	-	-	-	-	-	-	-	67	67	314	-	-	-	-	-	3	5	6	-	-	-	-	137	2,070	2,102	1,893	0.381	0.394	0.388	0.380	52	815	816	720
8	13	23	167	1,964	1,996	2,034	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	5	4	5	-	-	-	-	123	1,912	1,946	1,735	0.372	0.393	0.389	0.373	46	752	757	648
8	13	24	172	2,021	2,051	2,087	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	3	6	5	-	-	-	-	133	1,982	2,009	1,798	0.370	0.393	0.391	0.371	49	779	785	668
8	14	1	137	1,602	1,615	1,634	-	-	-	-	33	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	7	9	5	-	-	-	-	104	1,561	1,573	1,348	0.372	0.391	0.389	0.371	39	610	612	499
8	14	2	126	1,471	1,475	1,486	-	-	-	-	29	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	10	7	0	-	-	-	-	97	1,429	1,437	1,207	0.372	0.389	0.387	0.370	36	556	556	447
8	14	3	118	1,371	1,367	1,370	-	-	-	-	28	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	1	8	(0)	-	-	-	-	90	1,342	1,331	1,095	0.373	0.390	0.386	0.370	34	523	514	405
8	14	4	113	1,300	1,288	1,283	-	-	-	-	29	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	12	2	0	-	-	-	-	84	1,268	1,266	1,016	0.374	0.388	0.389	0.370	31	491	492	376
8	14	5	110	1,261	1,241	1,230	-	-	-	-	36	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	7	6	(3)	-	-	-	-	74	1,238	1,220	971	0.371	0.390	0.390	0.371	27	483	476	360
8	14	6	109	1,236	1,210	1,193	-	-	-	-	37	-	-	-	-	-	-	-	1	65	65	312	-	-	-	-	-	7	13	(4)	-	-	-	-	71	1,164	1,131	884	0.372	0.389	0.382	0.371	26	453	433	328
8	14	7	108	1,230	1,199	1,179	-	-	-	-	30	-	-	-	-	-	-	-	12	713	716	967	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	67	522	486	213	0.367	0.377	0.371	0.380	25	197	180	81
8	14	8	113	1,283	1,253	1,234	-	-	-	-	26	-	-	-	-	-	-	-	21	1,033	1,071	1,352	-	-	-	-	-	(8)	(8)	2	-	-	-	-	67	258	190	(119)	0.372	0.387	0.387	0.382	25	100	73	(45)
8	14	9	125	1,421	1,396	1,384	-	-	-	-	23	-	-	-	-	-	-	-	33	1,490	1,569	1,886	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	69	(56)	(160)	(491)	0.376	0.327	0.326	0.068	26	(18)	(52)	(33)
8	14	10	140	1,596	1,573	1,564	-	-	-	-	27	-	-	-	-	-	-	-	39	1,633	1,744	2,091	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	74	(26)	(158)	(510)	0.382	0.328	0.328	0.072	28	(8)	(52)	(37)
8	14	11	157	1,796	1,776	1,770	-	-	-	-	31	-	-	-	-	-	-	-	41	1,657	1,783	2,142	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	85	154	10	(356)	0.379	0.328	0.328	0.072	32	50	3	(25)
8	14	12	174	2,004	1,988	1,985	-	-	-	-	33	-	-	-	-	-	-	-	41	1,627	1,756	2,118	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	101	390	247	(117)	0.376	0.328	0.328	0.072	38	128	81	(8)
8	14	13	190	2,190	2,180	2,183	-	-	-	-	34	-	-	-	-	-	-	-	48	2,049	2,188	2,560	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	107	146	4	(366)	0.374	0.328	0.328	0.072	40	48	1	(26)
8	14	14	203	2,349	2,344	2,353	-	-	-	-	40	-	-	-	-	-	-	-	45	1,898	2,032	2,400	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	118	454	315	(43)	0.374	0.327	0.327	0.071	44	148	103	(3)
8	14	15	213	2,474	2,475	2,489	-	-	-	-	43	-	-	-	-	-	-	-	46	2,004	2,132	2,493	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	124	473	344	(3)	0.381	0.313	0.312	0.326	47	148	107	(1)
8	14	16	220	2,559	2,569	2,591	-	-	-	-	42	-	-	-	-	-	-	-	44	2,060	2,165	2,506	-	-	-	-	-	(3)	(1)	0	-	-	-	-	134	503	405	84	0.389	0.326	0.319	0.317	52	164	129	27
8	14	17	224	2,614	2,633	2,664	-	-	-	-	41	-	-	-	-	-	-	-	34	1,696	1,765	2,073	-	-	-	-	-	(4)	(1)	1	-	-	-	-	148	921	870	590	0.390	0.396	0.392	0.367	58	365	341	217
8	14	18	225	2,642	2,673	2,713	-	-	-	-	45	-	-	-	-	-	-	-	16	906	927	1,192	-	-	-	-	-	(2)	(2)	-	-	-	-	-	165	1,738	1,747	1,521	0.392	0.400	0.393	0.382	64	696	688	581
8	14	19	221	2,592	2,627	2,672	-	-	-	-	47	-	-	-	-	-	-	-	2	135	135	382	-	-	-	-	-	1	(1)	3	-	-	-	-	172	2,457	2,494	2,287	0.390	0.399	0.393	0.387	67	981	980	885
8	14	20	212	2,492	2,527	2,571	-	-	-	-	47	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	4	4	17	-	-	-	-	165	2,433	2,467	2,252	0.391	0.401	0.395	0.388	65	976	975	874
8	14	21	208	2,446	2,483	2,527	-	-	-	-	46	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	1	1	14	-	-	-	-	162	2,372	2,409	2,193	0.388	0.399	0.393	0.386	63	946	947	847
8	14	22	195	2,301	2,339	2,383	-	-	-	-	45	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	3	5	6	-	-	-	-	151	2,227	2,263	2,059	0.381	0.394	0.388	0.380	57	877	878	783
8	14	23	176	2,078	2,113	2,153	-	-	-	-	44	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	5	4	5	-	-	-	-	132	2,020	2,056	1,848	0.372	0.393	0.389	0.373	49	794	800	690
8	14	24	180	2,123	2,155	2,194	-	-	-	-	39	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	3	6	5	-	-	-	-	141	2,076	2,106	1,898	0.370	0.393	0.391	0.371	52	816	823	705
8	15	1	140	1,636	1,650	1,669	-	-	-	-	33	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	7	9	5	-	-	-	-	107	1,582	1,594	1,371	0.372	0.391	0.389	0.371	40	618	620	508
8	15	2	129	1,497	1,502	1,514	-	-	-	-	29	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	10	7	0	-	-	-	-	99	1,443	1,451	1,222	0.372	0.389	0.387	0.370	37	561	562	452
8	15	3	121	1,398	1,396	1,399	-	-	-	-	28	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	1	8	(0)	-	-	-	-	93	1,364	1,354	1,118	0.373	0.390	0.386	0.370	35	532	522	414
8	15	4	116	1,340	1,329	1,326	-	-	-	-	29	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	12	2	0	-	-	-	-	87	1,305	1,305	1,056	0.374	0.388	0.389	0.370	33	506	507	391
8	15	5	116	1,335	1,317	1,308	-	-	-	-	36	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	7	6	(3)	-	-	-	-	80	1,310	1,294	1,046	0.371	0.390	0.390	0.371	30	511	505	389
8	15	6	121	1,380	1,357	1,343	-	-	-	-	37	-	-	-	-	-	-	-	4	279	279	527	-	-	-	-	-	7	13	(4)	-	-	-	-	80	1,093	1,064	820	0.372	0.389	0.382	0.371	30	425	407	305
8	15	7	129	1,477	1,453	1,439	-	-	-	-	30	-	-	-	-	-	-	-	18	1,083	1,087	1,338	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	82	399	369	101	0.367	0.377	0.371	0.380	30	151	137	38
8	15	8	139	1,595	1,572	1,562	-	-	-	-	26	-	-	-	-	-	-	-	33	1,751	1,797	2,086	-	-	-	-	-	(8)	(8)	2	-	-	-	-	81	(148)	(217)	(526)	0.372	0.387	0.387	0.382	30	(57)	(84)	(201)
8	15	9	152	1,749	1,732	1,729	-	-	-	-	23	-	-	-	-	-	-	-	46	2,224	2,319	2,651	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	83	(461)	(574)	(911)	0.376	0.327	0.326	0.068	31	(151)	(187)	(62)
8	15	10	167	1,924	1,910	1,910	-	-	-	-	27	-	-	-	-	-	-	-	54	2,425	2,557	2,922	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	86	(489)	(634)	(997)	0.382	0.328	0.328	0.072	33	(160)	(208)	(71)
8	15	11	184	2,122	2,109	2,111	-	-	-	-	31	-	-	-	-	-	-	-	55	2,408	2,558	2,939	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	98	(272)	(433)	(812)	0.379	0.328	0.328	0.072	37	(89)	(142)	(58)
8	15	12	200	2,312	2,303	2,308	-	-	-	-	33	-	-	-	-	-	-	-	56	2,393	2,548	2,934	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	112	(68)	(229)	(609)	0.376	0.328	0.328	0.072	42	(22)	(75)	(44)
8	15	13	215	2,489	2,486	2,497	-	-	-	-	34	-	-	-	-	-	-	-	59	2,595	2,754	3,143	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	122	(101)	(256)	(635)	0.374	0.328	0.328	0.072	46	(33)	(84)	(45)
8	15	14	229	2,655	2,658	2,674	-	-	-	-	40	-	-	-	-	-	-	-	56	2,474	2,623	3,004	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	133	184	38	(325)	0.374	0.327	0.327	0.071	50	60	12	(23)
8	15	15	240	2,790	2,798	2,820	-	-	-	-	43	-	-	-	-	-	-	-	53	2,380	2,518	2,889	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	144	412	280	(68)	0.381	0.313	0.312	0.326	55	129	87	(22)
8	15	16	248	2,893	2,910	2,941	-	-	-	-	42	-	-	-	-	-	-	-	44	2,065	2,173	2,516	-	-	-	-	-	(3)	(1)	0	-	-	-	-	162	830	738	424	0.389	0.326	0.319	0.317	63	271	236	134
8	15	17	249	2,914	2,940	2,979	-	-	-	-	41	-	-	-	-	-	-	-	36	1,781	1,852	2,163	-	-	-	-	-	(4)	(1)	1	-	-	-	-	172	1,137	1,089	815	0.390	0.396	0.392	0.367	67	450	427	299
8	15	18	246	2,881	2,917	2,964	-	-	-	-	45	-	-	-	-	-	-	-	18	1,004	1,026	1,293	-	-	-	-	-	(2)	(2)	-	-	-	-	-	183	1,880	1,893	1,671	0.392	0.400	0.393	0.382	72	752	745	639
8	15	19	237	2,786	2,826	2,875	-	-	-	-	47	-	-	-	-	-	-	-	2	148	148	395	-	-	-	-	-	1	(1)	3	-	-	-	-	189	2,638	2,679	2,477	0.390	0.399	0.393	0.387	74	1,053	1,053	958
8	15	20	225	2,650	2,689	2,736	-	-	-	-	47	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	4	4	17	-	-	-	-	179	2,581	2,619	2,407	0.391	0.401	0.395	0.388	70	1,036	1,035	935
8	15	21	218	2,567	2,607	2,654	-	-	-	-	46	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	1	1	14	-	-	-	-	172	2,502	2,542	2,330	0.388	0.399	0.393	0.386	67	998	1,000	900
8	15	22	201	2,365	2,405	2,451	-	-	-	-	45	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	3	5	6	-	-	-	-	156	2,316	2,354	2,151	0.381	0.394	0.388	0.380	59	912	914	818
8	15	23	177	2,090	2,125	2,166	-	-	-	-	44	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	5	4	5	-	-	-	-	133	2,038	2,075	1,868	0.372	0.393	0.389	0.373	50	802	807	697
8	15	24	193	2,275	2,311	2,353	-	-	-	-	39	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	3	6	5	-	-	-	-	154	2,217	2,250	2,046	0.370	0.393	0.391	0.371	57	871	879	760
8	16	1	138	1,612	1,625	1,644	-	-	-	-	33	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	7	9	5	-	-	-	-	105	1,551	1,563	1,339	0.372	0.391	0.389	0.371	39	606	608	496
8	16	2	126	1,471	1,476	1,486	-	-	-	-	29	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	10	7	0	-	-	-	-	97	1,411	1,419	1,189	0.372	0.389	0.387	0.370	36	549	549	440
8	16	3	119	1,376	1,372	1,375	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	1	8	(0)	-	-	-	-	91	1,333	1,323	1,087	0.373	0.390	0.386	0.370	34	520	511	403
8	16	4	114	1,314	1,303	1,298	-	-	-	-	29	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	12	2	0	-	-	-	-	85	1,270	1,269	1,019	0.374	0.388	0.389	0.370	32	492	493	377
8	16	5	113	1,300	1,282	1,272	-	-	-	-	36	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	7	6	(3)	-	-	-	-	77	1,270	1,253	1,005	0.371	0.390	0.390	0.371	29	496	489	373
8	16	6	118	1,342	1,318	1,303	-	-	-	-	37	-	-	-	-	-	-	-	5	314	314	561	-	-	-	-	-	7	13	(4)	-	-	-	-	76	1,020	991	746	0.372	0.389	0.382	0.371	28	397	379	277
8	16	7	126	1,439	1,414	1,399	-	-	-	-	30	-	-	-	-	-	-	-	19	1,181	1,185	1,437	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	77	263	232	(38)	0.367	0.377	0.371	0.380	28	99	86	(14)
8	16	8	134	1,534	1,510	1,498	-	-	-	-	26	-	-	-	-	-	-	-	35	1,837	1,885	2,174	-	-	-	-	-	(8)	(8)	2	-	-	-	-	74	(295)	(367)	(678)	0.372	0.387	0.387	0.382	28	(114)	(142)	(259)
8	16	9	146	1,672	1,653	1,648	-	-	-	-	23	-	-	-	-	-	-	-	47	2,252	2,347	2,680	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	76	(567)	(682)	(1,021)	0.376	0.327	0.326	0.068	29	(185)	(222)	(69)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	16	10	157	1,806	1,788	1,785	-	-	-	-	27	-	-	-	-	-	-	-	55	2,500	2,631	2,995	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	75	(682)	(829)	(1,194)	0.382	0.328	0.328	0.072	29	(224)	(272)	(85)
8	16	11	170	1,957	1,940	1,938	-	-	-	-	31	-	-	-	-	-	-	-	57	2,495	2,648	3,032	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	82	(524)	(691)	(1,078)	0.379	0.328	0.328	0.072	31	(172)	(227)	(77)
8	16	12	183	2,111	2,098	2,098	-	-	-	-	33	-	-	-	-	-	-	-	58	2,524	2,685	3,077	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	92	(399)	(572)	(963)	0.376	0.328	0.328	0.072	35	(131)	(188)	(69)
8	16	13	197	2,274	2,266	2,271	-	-	-	-	34	-	-	-	-	-	-	-	57	2,429	2,595	2,990	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	106	(150)	(317)	(708)	0.374	0.328	0.328	0.072	39	(49)	(104)	(51)
8	16	14	211	2,442	2,440	2,451	-	-	-	-	40	-	-	-	-	-	-	-	58	2,571	2,729	3,117	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	112	(126)	(285)	(661)	0.374	0.327	0.327	0.071	42	(41)	(93)	(47)
8	16	15	223	2,594	2,597	2,614	-	-	-	-	43	-	-	-	-	-	-	-	55	2,501	2,641	3,014	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	125	96	(44)	(398)	0.381	0.313	0.312	0.326	48	30	(14)	(130)
8	16	16	235	2,737	2,751	2,778	-	-	-	-	42	-	-	-	-	-	-	-	49	2,295	2,409	2,758	-	-	-	-	-	(3)	(1)	0	-	-	-	-	145	445	343	20	0.389	0.326	0.319	0.317	56	145	110	6
8	16	17	240	2,808	2,833	2,869	-	-	-	-	41	-	-	-	-	-	-	-	36	1,773	1,846	2,158	-	-	-	-	-	(4)	(1)	1	-	-	-	-	163	1,039	988	710	0.390	0.396	0.392	0.367	64	411	387	261
8	16	18	238	2,791	2,824	2,868	-	-	-	-	45	-	-	-	-	-	-	-	16	887	909	1,176	-	-	-	-	-	(2)	(2)	-	-	-	-	-	177	1,906	1,917	1,692	0.392	0.400	0.393	0.382	69	763	754	647
8	16	19	229	2,694	2,731	2,778	-	-	-	-	47	-	-	-	-	-	-	-	1	125	126	373	-	-	-	-	-	1	(1)	3	-	-	-	-	181	2,568	2,607	2,402	0.390	0.399	0.393	0.387	71	1,025	1,025	929
8	16	20	217	2,551	2,587	2,632	-	-	-	-	47	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	4	4	17	-	-	-	-	170	2,493	2,529	2,315	0.391	0.401	0.395	0.388	67	1,001	1,000	899
8	16	21	210	2,467	2,504	2,549	-	-	-	-	46	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	1	1	14	-	-	-	-	164	2,412	2,449	2,234	0.388	0.399	0.393	0.386	64	962	963	863
8	16	22	193	2,268	2,306	2,349	-	-	-	-	45	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	3	5	6	-	-	-	-	148	2,221	2,256	2,051	0.381	0.394	0.388	0.380	56	874	876	780
8	16	23	170	2,003	2,036	2,074	-	-	-	-	44	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	5	4	5	-	-	-	-	126	1,959	1,993	1,784	0.372	0.393	0.389	0.373	47	770	775	666
8	16	24	180	2,118	2,150	2,189	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	3	6	5	-	-	-	-	141	2,078	2,107	1,900	0.370	0.393	0.391	0.371	52	816	824	705
8	17	1	133	1,555	1,566	1,584	-	-	-	-	33	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	7	9	5	-	-	-	-	100	1,514	1,524	1,298	0.372	0.391	0.389	0.371	37	591	593	481
8	17	2	122	1,422	1,425	1,435	-	-	-	-	29	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	10	7	0	-	-	-	-	93	1,384	1,390	1,159	0.372	0.389	0.387	0.370	35	538	538	429
8	17	3	115	1,333	1,328	1,330	-	-	-	-	28	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	1	8	(0)	-	-	-	-	87	1,311	1,300	1,063	0.373	0.390	0.386	0.370	33	511	502	394
8	17	4	111	1,279	1,267	1,262	-	-	-	-	29	-	-	-	-	-	-	-	-	17	17	264	-	-	-	-	-	12	2	0	-	-	-	-	82	1,250	1,248	998	0.374	0.388	0.389	0.370	31	484	485	369
8	17	5	111	1,271	1,252	1,241	-	-	-	-	36	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	7	6	(3)	-	-	-	-	75	1,250	1,233	984	0.371	0.390	0.390	0.371	28	488	481	365
8	17	6	115	1,315	1,291	1,275	-	-	-	-	37	-	-	-	-	-	-	-	3	216	216	463	-	-	-	-	-	7	13	(4)	-	-	-	-	75	1,092	1,061	816	0.372	0.389	0.382	0.371	28	424	406	303
8	17	7	125	1,421	1,395	1,380	-	-	-	-	30	-	-	-	-	-	-	-	17	1,026	1,031	1,281	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	78	399	368	99	0.367	0.377	0.371	0.380	29	151	137	37
8	17	8	132	1,509	1,484	1,472	-	-	-	-	26	-	-	-	-	-	-	-	34	1,792	1,839	2,128	-	-	-	-	-	(8)	(8)	2	-	-	-	-	73	(275)	(347)	(659)	0.372	0.387	0.387	0.382	27	(107)	(134)	(251)
8	17	9	142	1,624	1,604	1,598	-	-	-	-	23	-	-	-	-	-	-	-	45	2,167	2,261	2,593	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	73	(530)	(644)	(984)	0.376	0.327	0.326	0.068	28	(173)	(210)	(67)
8	17	10	153	1,759	1,741	1,736	-	-	-	-	27	-	-	-	-	-	-	-	52	2,381	2,510	2,872	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	74	(610)	(756)	(1,119)	0.382	0.328	0.328	0.072	28	(200)	(248)	(80)
8	17	11	165	1,896	1,878	1,874	-	-	-	-	31	-	-	-	-	-	-	-	52	2,232	2,377	2,755	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	82	(322)	(483)	(864)	0.379	0.328	0.328	0.072	31	(105)	(158)	(62)
8	17	12	176	2,025	2,010	2,007	-	-	-	-	33	-	-	-	-	-	-	-	54	2,274	2,432	2,819	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	89	(236)	(407)	(796)	0.376	0.328	0.328	0.072	34	(77)	(133)	(57)
8	17	13	186	2,148	2,137	2,139	-	-	-	-	34	-	-	-	-	-	-	-	50	2,062	2,215	2,599	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	102	91	(66)	(449)	0.374	0.328	0.328	0.072	38	30	(22)	(32)
8	17	14	199	2,301	2,295	2,303	-	-	-	-	40	-	-	-	-	-	-	-	54	2,319	2,470	2,852	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	105	(16)	(172)	(545)	0.374	0.327	0.327	0.071	39	(5)	(56)	(39)
8	17	15	211	2,445	2,444	2,457	-	-	-	-	43	-	-	-	-	-	-	-	43	1,774	1,905	2,270	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	125	674	540	189	0.381	0.313	0.312	0.326	48	211	169	62
8	17	16	221	2,577	2,587	2,609	-	-	-	-	42	-	-	-	-	-	-	-	32	1,356	1,458	1,797	-	-	-	-	-	(3)	(1)	0	-	-	-	-	147	1,224	1,130	812	0.389	0.326	0.319	0.317	57	399	361	258
8	17	17	228	2,660	2,681	2,713	-	-	-	-	41	-	-	-	-	-	-	-	27	1,310	1,378	1,686	-	-	-	-	-	(4)	(1)	1	-	-	-	-	159	1,354	1,304	1,026	0.390	0.396	0.392	0.367	62	536	511	377
8	17	18	228	2,671	2,702	2,743	-	-	-	-	45	-	-	-	-	-	-	-	13	743	764	1,030	-	-	-	-	-	(2)	(2)	-	-	-	-	-	170	1,930	1,939	1,713	0.392	0.400	0.393	0.382	67	772	763	655
8	17	19	221	2,601	2,636	2,680	-	-	-	-	47	-	-	-	-	-	-	-	1	121	121	368	-	-	-	-	-	1	(1)	3	-	-	-	-	174	2,478	2,516	2,309	0.390	0.399	0.393	0.387	68	989	989	893
8	17	20	211	2,480	2,515	2,558	-	-	-	-	47	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	4	4	17	-	-	-	-	164	2,401	2,435	2,219	0.391	0.401	0.395	0.388	64	964	963	862
8	17	21	204	2,400	2,435	2,478	-	-	-	-	46	-	-	-	-	-	-	-	-	80	80	327	-	-	-	-	-	1	1	14	-	-	-	-	158	2,319	2,354	2,138	0.388	0.399	0.393	0.386	61	925	926	826
8	17	22	188	2,215	2,250	2,293	-	-	-	-	45	-	-	-	-	-	-	-	-	79	79	326	-	-	-	-	-	3	5	6	-	-	-	-	143	2,133	2,167	1,961	0.381	0.394	0.388	0.380	55	840	841	745
8	17	23	166	1,961	1,993	2,030	-	-	-	-	44	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	5	4	5	-	-	-	-	122	1,886	1,919	1,708	0.372	0.393	0.389	0.373	46	742	746	638
8	17	24	172	2,021	2,051	2,087	-	-	-	-	39	-	-	-	-	-	-	-	-	58	58	305	-	-	-	-	-	3	6	5	-	-	-	-	133	1,961	1,988	1,777	0.370	0.393	0.391	0.371	49	770	777	660
8	18	1	130	1,523	1,535	1,551	-	-	-	-	33	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	7	9	5	-	-	-	-	97	1,466	1,476	1,249	0.372	0.391	0.389	0.371	36	573	574	463
8	18	2	120	1,396	1,398	1,407	-	-	-	-	29	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	10	7	0	-	-	-	-	91	1,338	1,344	1,112	0.372	0.389	0.387	0.370	34	520	520	412
8	18	3	113	1,312	1,307	1,309	-	-	-	-	28	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	1	8	(0)	-	-	-	-	85	1,266	1,255	1,017	0.373	0.390	0.386	0.370	32	494	484	377
8	18	4	110	1,264	1,251	1,246	-	-	-	-	29	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	12	2	0	-	-	-	-	81	1,209	1,207	956	0.374	0.388	0.389	0.370	30	469	469	354
8	18	5	110	1,256	1,236	1,225	-	-	-	-	36	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	7	6	(3)	-	-	-	-	74	1,216	1,198	949	0.371	0.390	0.390	0.371	27	475	468	352
8	18	6	114	1,301	1,276	1,260	-	-	-	-	37	-	-	-	-	-	-	-	5	327	327	574	-	-	-	-	-	7	13	(4)	-	-	-	-	73	966	936	690	0.372	0.389	0.382	0.371	27	376	358	256
8	18	7	124	1,411	1,385	1,369	-	-	-	-	30	-	-	-	-	-	-	-	19	1,170	1,175	1,426	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	75	245	213	(57)	0.367	0.377	0.371	0.380	28	93	79	(22)
8	18	8	132	1,505	1,480	1,467	-	-	-	-	26	-	-	-	-	-	-	-	35	1,849	1,898	2,190	-	-	-	-	-	(8)	(8)	2	-	-	-	-	71	(336)	(410)	(724)	0.372	0.387	0.387	0.382	27	(130)	(159)	(276)
8	18	9	140	1,603	1,582	1,576	-	-	-	-	23	-	-	-	-	-	-	-	47	2,261	2,360	2,695	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	70	(645)	(764)	(1,108)	0.376	0.327	0.326	0.068	26	(210)	(249)	(75)
8	18	10	150	1,715	1,695	1,689	-	-	-	-	27	-	-	-	-	-	-	-	55	2,507	2,642	3,010	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	68	(780)	(934)	(1,304)	0.382	0.328	0.328	0.072	26	(256)	(306)	(93)
8	18	11	160	1,832	1,813	1,807	-	-	-	-	31	-	-	-	-	-	-	-	60	2,659	2,815	3,202	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	69	(812)	(986)	(1,379)	0.379	0.328	0.328	0.072	26	(266)	(324)	(99)
8	18	12	169	1,939	1,921	1,916	-	-	-	-	33	-	-	-	-	-	-	-	60	2,657	2,822	3,217	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	76	(705)	(886)	(1,284)	0.376	0.328	0.328	0.072	28	(231)	(290)	(92)
8	18	13	178	2,046	2,033	2,032	-	-	-	-	34	-	-	-	-	-	-	-	60	2,651	2,819	3,216	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	83	(600)	(774)	(1,173)	0.374	0.328	0.328	0.072	31	(197)	(254)	(84)
8	18	14	189	2,187	2,179	2,183	-	-	-	-	40	-	-	-	-	-	-	-	59	2,634	2,797	3,189	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	90	(444)	(615)	(1,002)	0.374	0.327	0.327	0.071	34	(145)	(201)	(71)
8	18	15	200	2,321	2,318	2,327	-	-	-	-	43	-	-	-	-	-	-	-	54	2,439	2,583	2,960	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	103	(115)	(265)	(631)	0.381	0.313	0.312	0.326	39	(36)	(83)	(206)
8	18	16	209	2,436	2,442	2,461	-	-	-	-	42	-	-	-	-	-	-	-	48	2,260	2,375	2,724	-	-	-	-	-	(3)	(1)	0	-	-	-	-	120	179	69	(264)	0.389	0.326	0.319	0.317	47	58	22	(84)
8	18	17	215	2,506	2,523	2,551	-	-	-	-	41	-	-	-	-	-	-	-	36	1,866	1,939	2,251	-	-	-	-	-	(4)	(1)	1	-	-	-	-	137	644	585	299	0.390	0.396	0.392	0.367	53	255	229	110
8	18	18	214	2,508	2,535	2,572	-	-	-	-	45	-	-	-	-	-	-	-	17	1,033	1,054	1,320	-	-	-	-	-	(2)	(2)	-	-	-	-	-	152	1,478	1,483	1,252	0.392	0.400	0.393	0.382	60	591	583	479
8	18	19	207	2,433	2,464	2,504	-	-	-	-	47	-	-	-	-	-	-	-	1	171	171	418	-	-	-	-	-	1	(1)	3	-	-	-	-	159	2,261	2,294	2,083	0.390	0.399	0.393	0.387	62	903	902	806
8	18	20	198	2,324	2,355	2,394	-	-	-	-	47	-	-	-	-	-	-	-	-	99	99	346	-	-	-	-	-	4	4	17	-	-	-	-	151	2,221	2,251	2,031	0.391	0.401	0.395	0.388	59	891	890	789
8	18	21	193	2,270	2,303	2,343	-	-	-	-	46	-	-	-	-	-	-	-	-	89	89	336	-	-	-	-	-	1	1	14	-	-	-	-	147	2,181	2,213	1,993	0.388	0.399	0.393	0.386	57	870	870	770
8	18	22	179	2,112	2,145	2,185	-	-	-	-	45	-	-	-	-	-	-	-	-	84	84	331	-	-	-	-	-	3	5	6	-	-	-	-	135	2,025	2,056	1,847	0.381	0.394	0.388	0.380	51	797	798	702
8	18	23	160	1,888	1,918	1,954	-	-	-	-	44	-	-	-	-	-	-	-	-	81	81	328	-	-	-	-	-	5	4	5	-	-	-	-	116	1,802	1,834	1,621	0.372	0.393	0.389	0.373	43	709	713	605
8	18	24	165	1,938	1,965	1,999	-	-	-	-	39	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	3	6	5	-	-	-	-	126	1,866	1,891	1,678	0.370	0.393	0.391	0.371	46	733	739	623
8	19	1	129	1,502	1,512	1,529	-	-	-	-	33	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	7	9	5	-	-	-	-	96	1,434	1,443	1,216	0.372	0.391	0.389	0.371	36	560	562	451
8	19	2	119	1,387	1,390	1,398	-	-	-	-	29	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	10	7	0	-	-	-	-	90	1,327	1,333	1,101	0.372	0.389	0.387	0.370	33	516	516	408
8	19	3	113	1,311	1,306	1,307	-	-	-	-	28	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	1	8	(0)	-	-	-	-	85	1,272	1,260	1,022	0.373	0.390	0.386	0.370	32	496	486	379
8	19	4	110	1,267	1,255	1,249	-	-	-	-	29	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	12	2	0	-	-	-	-	81	1,216	1,213	963	0.374	0.388	0.389	0.370	30	471	471	356
8	19	5	109	1,252	1,232	1,221	-	-	-	-	36	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	7	6	(3)	-	-	-	-	73	1,201	1,183	933	0.371	0.390	0.390	0.371	27	469	462	347
8	19	6	114	1,297	1,272	1,256	-	-	-	-	37	-	-	-	-	-	-	-	3	205	205	452	-	-	-	-	-	7	13	(4)	-	-	-	-	75	1,084	1,053	807	0.372	0.389	0.382	0.371	28	422	403	300
8	19	7	123	1,406	1,380	1,364	-	-	-	-	30	-	-	-	-	-	-	-	15	931	935	1,186	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	79	480	448	178	0.367	0.377	0.371	0.380	29	181	166	68
8	19	8	131	1,499	1,474	1,460	-	-	-	-	26	-	-	-	-	-	-	-	31	1,680	1,724	2,011	-	-	-	-	-	(8)	(8)	2	-	-	-	-	74	(173)	(243)	(552)	0.372	0.387	0.387	0.382	28	(67)	(94)	(211)
8	19	9	141	1,609	1,588	1,581	-	-	-	-	23	-	-	-	-	-	-	-	45	2,216	2,304	2,631	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	73	(594)	(703)	(1,038)	0.376	0.327	0.326	0.068	27	(194)	(229)	(70)
8	19	10	151	1,731	1,712	1,706	-	-	-	-	27	-	-	-	-	-	-	-	51	2,405	2,527	2,883	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	73	(661)	(802)	(1,161)	0.382	0.328	0.328	0.072	28	(217)	(263)	(83)
8	19	11	162	1,856	1,837	1,832	-	-	-	-	31	-	-	-	-	-	-	-	52	2,322	2,464	2,838	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	79	(451)	(611)	(990)	0.379	0.328	0.328	0.072	30	(148)	(200)	(71)
8	19	12	171	1,961	1,944	1,940	-	-	-	-	33	-	-	-	-	-	-	-	56	2,468	2,628	3,019	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	81	(493)	(669)	(1,063)	0.376	0.328	0.328	0.072	31	(162)	(219)	(76)
8	19	13	179	2,066	2,053	2,053	-	-	-	-	34	-	-	-	-	-	-	-	59	2,614	2,778	3,171	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	86	(542)	(713)	(1,107)	0.374	0.328	0.328	0.072	32	(178)	(234)	(79)
8	19	14	189	2,185	2,176	2,180	-	-	-	-	40	-	-	-	-	-	-	-	58	2,625	2,784	3,172	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	91	(438)	(604)	(988)	0.374	0.327	0.327	0.071	34	(143)	(198)	(70)
8	19	15	198	2,297	2,293	2,302	-	-	-	-	43	-	-	-	-	-	-	-	55	2,514	2,659	3,035	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	100	(215)	(365)	(732)	0.381	0.313	0.312	0.326	38	(67)	(114)	(239)
8	19	16	206	2,399	2,404	2,422	-	-	-	-	42	-	-	-	-	-	-	-	47	2,244	2,359	2,709	-	-	-	-	-	(3)	(1)	0	-	-	-	-	117	158	46	(288)	0.389	0.326	0.319	0.317	46	51	15	(91)
8	19	17	210	2,453	2,469	2,496	-	-	-	-	41	-	-	-	-	-	-	-	34	1,716	1,789	2,101	-	-	-	-	-	(4)	(1)	1	-	-	-	-	135	741	681	394	0.390	0.396	0.392	0.367	53	293	267	145
8	19	18	207	2,428	2,453	2,488	-	-	-	-	45	-	-	-	-	-	-	-	16	954	975	1,241	-	-	-	-	-	(2)	(2)	-	-	-	-	-	147	1,476	1,480	1,247	0.392	0.400	0.393	0.382	58	591	582	477
8	19	19	198	2,326	2,354	2,392	-	-	-	-	47	-	-	-	-	-	-	-	1	157	157	404	-	-	-	-	-	1	(1)	3	-	-	-	-	151	2,168	2,199	1,984	0.390	0.399	0.393	0.387	59	865	864	768
8	19	20	190	2,227	2,255	2,292	-	-	-	-	47	-	-	-	-	-	-	-	-	97	97	344	-	-	-	-	-	4	4	17	-	-	-	-	143	2,126	2,154	1,931	0.391	0.401	0.395	0.388	56	853	851	750
8	19	21	185	2,176	2,206	2,243	-	-	-	-	46	-	-	-	-	-	-	-	-	88	88	335	-	-	-	-	-	1	1	14	-	-	-	-	140	2,088	2,118	1,895	0.388	0.399	0.393	0.386	54	833	833	732
8	19	22	173	2,039	2,070	2,108	-	-	-	-	45	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	3	5	6	-	-	-	-	128	1,967	1,996	1,785	0.381	0.394	0.388	0.380	49	774	775	679
8	19	23	157	1,854	1,884	1,918	-	-	-	-	44	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	5	4	5	-	-	-	-	114	1,789	1,820	1,607	0.372	0.393	0.389	0.373	42	704	708	600
8	19	24	166	1,950	1,978	2,011	-	-	-	-	39	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	3	6	5	-	-	-	-	127	1,892	1,917	1,705	0.370	0.393	0.391	0.371	47	743	749	633
8	20	1	129	1,503	1,514	1,530	-	-	-	-	33	-	-	-	-	-	-	-	-	67	67	314	-	-	-	-	-	7	9	5	-	-	-	-	96	1,429	1,438	1,210	0.372	0.391	0.389	0.371	36	558	559	448
8	20	2	119	1,388	1,391	1,400	-	-	-	-	29	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	10	7	0	-	-	-	-	90	1,325	1,331	1,099	0.372	0.389	0.387	0.370	33	516	515	407
8	20	3	113	1,303	1,298	1,299	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	1	8	(0)	-	-	-	-	85	1,263	1,251	1,013	0.373	0.390	0.386	0.370	32	492	483	375
8	20	4	108	1,247	1,234	1,228	-	-	-	-	29	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	12	2	0	-	-	-	-	79	1,207	1,205	953	0.374	0.388	0.389	0.370	30	468	468	353
8	20	5	107	1,220	1,200	1,187	-	-	-	-	36	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	7	6	(3)	-	-	-	-	71	1,188	1,170	919	0.371	0.390	0.390	0.371	26	464	456	341
8	20	6	107	1,218	1,192	1,174	-	-	-	-	37	-	-	-	-	-	-	-	5	330	330	577	-	-	-	-	-	7	13	(4)	-	-	-	-	66	881	848	601	0.372	0.389	0.382	0.371	24	343	324	223
8	20	7	109	1,240	1,209	1,189	-	-	-	-	30	-	-	-	-	-	-	-	20	1,228	1,232	1,483	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	60	16	(20)	(294)	0.367	0.377	0.371	0.380	22	6	(7)	(112)
8	20	8	114	1,291	1,260	1,242	-	-	-	-	26	-	-	-	-	-	-	-	35	1,857	1,907	2,198	-	-	-	-	-	(8)	(8)	2	-	-	-	-	53	(559)	(639)	(958)	0.372	0.387	0.387	0.382	20	(216)	(247)	(366)
8	20	9	123	1,405	1,380	1,368	-	-	-	-	23	-	-	-	-	-	-	-	47	2,260	2,359	2,695	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	53	(842)	(966)	(1,315)	0.376	0.327	0.326	0.068	20	(275)	(315)	(89)
8	20	10	133	1,517	1,492	1,482	-	-	-	-	27	-	-	-	-	-	-	-	56	2,545	2,680	3,047	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	50	(1,016)	(1,174)	(1,549)	0.382	0.328	0.328	0.072	19	(333)	(385)	(111)
8	20	11	142	1,623	1,599	1,588	-	-	-	-	31	-	-	-	-	-	-	-	59	2,623	2,780	3,167	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	52	(986)	(1,164)	(1,562)	0.379	0.328	0.328	0.072	20	(323)	(382)	(112)
8	20	12	150	1,714	1,692	1,681	-	-	-	-	33	-	-	-	-	-	-	-	61	2,679	2,846	3,243	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	56	(951)	(1,139)	(1,545)	0.376	0.328	0.328	0.072	21	(312)	(374)	(111)
8	20	13	157	1,809	1,790	1,783	-	-	-	-	34	-	-	-	-	-	-	-	61	2,629	2,797	3,196	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	63	(815)	(996)	(1,401)	0.374	0.328	0.328	0.072	24	(267)	(326)	(100)
8	20	14	165	1,895	1,880	1,876	-	-	-	-	40	-	-	-	-	-	-	-	59	2,584	2,745	3,137	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	66	(686)	(863)	(1,256)	0.374	0.327	0.327	0.071	25	(224)	(282)	(89)
8	20	15	173	1,991	1,980	1,981	-	-	-	-	43	-	-	-	-	-	-	-	55	2,495	2,641	3,019	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	74	(502)	(661)	(1,036)	0.381	0.313	0.312	0.326	28	(157)	(206)	(338)
8	20	16	178	2,060	2,058	2,067	-	-	-	-	42	-	-	-	-	-	-	-	48	2,265	2,382	2,733	-	-	-	-	-	(3)	(1)	0	-	-	-	-	88	(202)	(323)	(667)	0.389	0.326	0.319	0.317	34	(66)	(103)	(211)
8	20	17	180	2,098	2,105	2,123	-	-	-	-	41	-	-	-	-	-	-	-	37	1,835	1,909	2,222	-	-	-	-	-	(4)	(1)	1	-	-	-	-	103	266	197	(100)	0.390	0.396	0.392	0.367	40	105	77	(37)
8	20	18	178	2,082	2,099	2,125	-	-	-	-	45	-	-	-	-	-	-	-	15	868	888	1,153	-	-	-	-	-	(2)	(2)	-	-	-	-	-	119	1,217	1,213	972	0.392	0.400	0.393	0.382	46	487	477	372
8	20	19	172	2,014	2,036	2,065	-	-	-	-	47	-	-	-	-	-	-	-	1	134	134	381	-	-	-	-	-	1	(1)	3	-	-	-	-	124	1,879	1,903	1,680	0.390	0.399	0.393	0.387	49	750	748	650
8	20	20	167	1,964	1,986	2,016	-	-	-	-	47	-	-	-	-	-	-	-	-	93	93	340	-	-	-	-	-	4	4	17	-	-	-	-	121	1,867	1,889	1,659	0.391	0.401	0.395	0.388	47	749	747	644

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	20	21	167	1,958	1,983	2,014	-	-	-	-	46	-	-	-	-	-	-	-	-	79	79	326	-	-	-	-	-	1	1	14	-	-	-	-	121	1,878	1,903	1,675	0.388	0.399	0.393	0.386	47	749	748	647
8	20	22	158	1,861	1,888	1,922	-	-	-	-	45	-	-	-	-	-	-	-	-	59	59	306	-	-	-	-	-	3	5	6	-	-	-	-	114	1,800	1,825	1,610	0.381	0.394	0.388	0.380	43	708	708	612
8	20	23	146	1,724	1,751	1,782	-	-	-	-	44	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	5	4	5	-	-	-	-	103	1,671	1,698	1,482	0.372	0.393	0.389	0.373	38	657	661	553
8	20	24	150	1,761	1,784	1,813	-	-	-	-	39	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	3	6	5	-	-	-	-	111	1,708	1,729	1,512	0.370	0.393	0.391	0.371	41	671	676	561
8	21	1	123	1,431	1,440	1,455	-	-	-	-	33	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	7	9	5	-	-	-	-	90	1,370	1,377	1,148	0.372	0.391	0.389	0.371	33	535	536	425
8	21	2	114	1,326	1,328	1,334	-	-	-	-	29	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	10	7	0	-	-	-	-	85	1,262	1,266	1,033	0.372	0.389	0.387	0.370	32	491	490	382
8	21	3	108	1,248	1,241	1,241	-	-	-	-	28	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	1	8	(0)	-	-	-	-	80	1,196	1,183	943	0.373	0.390	0.386	0.370	30	466	456	349
8	21	4	104	1,197	1,183	1,175	-	-	-	-	29	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	12	2	0	-	-	-	-	75	1,142	1,138	885	0.374	0.388	0.389	0.370	28	442	442	328
8	21	5	102	1,164	1,142	1,129	-	-	-	-	36	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	7	6	(3)	-	-	-	-	66	1,120	1,100	848	0.371	0.390	0.390	0.371	24	437	429	315
8	21	6	101	1,146	1,117	1,097	-	-	-	-	37	-	-	-	-	-	-	-	3	241	241	488	-	-	-	-	-	7	13	(4)	-	-	-	-	61	897	862	613	0.372	0.389	0.382	0.371	23	349	330	228
8	21	7	102	1,149	1,116	1,094	-	-	-	-	30	-	-	-	-	-	-	-	18	1,085	1,090	1,340	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	54	68	30	(246)	0.367	0.377	0.371	0.380	20	26	11	(94)
8	21	8	105	1,181	1,148	1,127	-	-	-	-	26	-	-	-	-	-	-	-	34	1,786	1,835	2,126	-	-	-	-	-	(8)	(8)	2	-	-	-	-	45	(598)	(680)	(1,001)	0.372	0.387	0.387	0.382	17	(231)	(263)	(382)
8	21	9	113	1,283	1,255	1,240	-	-	-	-	23	-	-	-	-	-	-	-	47	2,243	2,341	2,676	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	43	(947)	(1,073)	(1,425)	0.376	0.327	0.326	0.068	16	(309)	(350)	(97)
8	21	10	123	1,397	1,370	1,356	-	-	-	-	27	-	-	-	-	-	-	-	55	2,481	2,615	2,982	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	41	(1,072)	(1,231)	(1,609)	0.382	0.328	0.328	0.072	16	(351)	(404)	(115)
8	21	11	133	1,516	1,489	1,475	-	-	-	-	31	-	-	-	-	-	-	-	59	2,603	2,758	3,144	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	43	(1,073)	(1,253)	(1,653)	0.379	0.328	0.328	0.072	16	(351)	(411)	(118)
8	21	12	143	1,637	1,612	1,600	-	-	-	-	33	-	-	-	-	-	-	-	60	2,598	2,764	3,159	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	50	(948)	(1,136)	(1,543)	0.376	0.328	0.328	0.072	19	(311)	(373)	(110)
8	21	13	154	1,762	1,742	1,734	-	-	-	-	34	-	-	-	-	-	-	-	60	2,570	2,736	3,133	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	60	(802)	(982)	(1,387)	0.374	0.328	0.328	0.072	22	(263)	(322)	(99)
8	21	14	165	1,895	1,880	1,877	-	-	-	-	40	-	-	-	-	-	-	-	59	2,556	2,716	3,107	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	66	(658)	(833)	(1,226)	0.374	0.327	0.327	0.071	25	(215)	(273)	(87)
8	21	15	175	2,021	2,010	2,012	-	-	-	-	43	-	-	-	-	-	-	-	55	2,455	2,599	2,975	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	77	(432)	(588)	(961)	0.381	0.313	0.312	0.326	29	(135)	(184)	(314)
8	21	16	185	2,140	2,140	2,151	-	-	-	-	42	-	-	-	-	-	-	-	48	2,198	2,313	2,663	-	-	-	-	-	(3)	(1)	0	-	-	-	-	95	(55)	(172)	(512)	0.389	0.326	0.319	0.317	37	(18)	(55)	(162)
8	21	17	189	2,197	2,207	2,227	-	-	-	-	41	-	-	-	-	-	-	-	35	1,708	1,780	2,092	-	-	-	-	-	(4)	(1)	1	-	-	-	-	113	493	428	134	0.390	0.396	0.392	0.367	44	195	168	49
8	21	18	188	2,195	2,214	2,243	-	-	-	-	45	-	-	-	-	-	-	-	16	888	909	1,174	-	-	-	-	-	(2)	(2)	-	-	-	-	-	127	1,308	1,307	1,069	0.392	0.400	0.393	0.382	50	523	514	409
8	21	19	182	2,134	2,158	2,191	-	-	-	-	47	-	-	-	-	-	-	-	1	89	89	336	-	-	-	-	-	1	(1)	3	-	-	-	-	135	2,044	2,070	1,851	0.390	0.399	0.393	0.387	52	816	814	716
8	21	20	178	2,085	2,110	2,143	-	-	-	-	47	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	4	4	17	-	-	-	-	131	2,020	2,045	1,819	0.391	0.401	0.395	0.388	51	811	808	706
8	21	21	177	2,084	2,112	2,147	-	-	-	-	46	-	-	-	-	-	-	-	-	59	59	306	-	-	-	-	-	1	1	14	-	-	-	-	132	2,024	2,053	1,828	0.388	0.399	0.393	0.386	51	807	807	706
8	21	22	166	1,958	1,988	2,023	-	-	-	-	45	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	3	5	6	-	-	-	-	122	1,898	1,926	1,713	0.381	0.394	0.388	0.380	46	747	748	651
8	21	23	150	1,767	1,795	1,827	-	-	-	-	44	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	5	4	5	-	-	-	-	106	1,702	1,731	1,516	0.372	0.393	0.389	0.373	39	670	673	566
8	21	24	148	1,737	1,760	1,788	-	-	-	-	39	-	-	-	-	-	-	-	-	59	59	306	-	-	-	-	-	3	6	5	-	-	-	-	109	1,675	1,695	1,477	0.370	0.393	0.391	0.371	40	658	663	549
8	22	1	121	1,411	1,420	1,433	-	-	-	-	33	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	7	9	5	-	-	-	-	88	1,350	1,357	1,128	0.372	0.391	0.389	0.371	33	528	528	418
8	22	2	113	1,308	1,309	1,316	-	-	-	-	29	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	10	7	0	-	-	-	-	83	1,246	1,250	1,016	0.372	0.389	0.387	0.370	31	485	484	376
8	22	3	108	1,243	1,236	1,236	-	-	-	-	28	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	1	8	(0)	-	-	-	-	80	1,190	1,177	937	0.373	0.390	0.386	0.370	30	464	454	347
8	22	4	105	1,208	1,194	1,187	-	-	-	-	29	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	12	2	0	-	-	-	-	76	1,138	1,135	883	0.374	0.388	0.389	0.370	28	441	441	327
8	22	5	106	1,217	1,196	1,184	-	-	-	-	36	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	7	6	(3)	-	-	-	-	70	1,156	1,137	887	0.371	0.390	0.390	0.371	26	451	444	329
8	22	6	112	1,271	1,246	1,229	-	-	-	-	37	-	-	-	-	-	-	-	4	325	325	572	-	-	-	-	-	7	13	(4)	-	-	-	-	71	939	908	661	0.372	0.389	0.382	0.371	26	365	347	246
8	22	7	121	1,383	1,356	1,340	-	-	-	-	30	-	-	-	-	-	-	-	18	1,134	1,138	1,389	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	74	253	221	(49)	0.367	0.377	0.371	0.380	27	96	82	(19)
8	22	8	131	1,489	1,463	1,450	-	-	-	-	26	-	-	-	-	-	-	-	34	1,811	1,859	2,150	-	-	-	-	-	(8)	(8)	2	-	-	-	-	71	(314)	(388)	(701)	0.372	0.387	0.387	0.382	26	(122)	(150)	(268)
8	22	9	141	1,613	1,593	1,586	-	-	-	-	23	-	-	-	-	-	-	-	47	2,280	2,377	2,712	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	71	(653)	(771)	(1,114)	0.376	0.327	0.326	0.068	27	(213)	(252)	(76)
8	22	10	152	1,745	1,726	1,721	-	-	-	-	27	-	-	-	-	-	-	-	55	2,533	2,667	3,034	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	70	(776)	(927)	(1,296)	0.382	0.328	0.328	0.072	27	(254)	(304)	(93)
8	22	11	163	1,869	1,851	1,846	-	-	-	-	31	-	-	-	-	-	-	-	59	2,640	2,796	3,182	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	73	(756)	(929)	(1,320)	0.379	0.328	0.328	0.072	28	(248)	(305)	(94)
8	22	12	172	1,977	1,961	1,957	-	-	-	-	33	-	-	-	-	-	-	-	61	2,677	2,842	3,237	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	79	(686)	(866)	(1,263)	0.376	0.328	0.328	0.072	29	(225)	(284)	(90)
8	22	13	180	2,080	2,067	2,068	-	-	-	-	34	-	-	-	-	-	-	-	60	2,666	2,832	3,227	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	86	(580)	(752)	(1,149)	0.374	0.328	0.328	0.072	32	(190)	(247)	(82)
8	22	14	190	2,201	2,193	2,197	-	-	-	-	40	-	-	-	-	-	-	-	59	2,616	2,777	3,168	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	92	(412)	(581)	(966)	0.374	0.327	0.327	0.071	34	(135)	(190)	(68)
8	22	15	200	2,312	2,309	2,318	-	-	-	-	43	-	-	-	-	-	-	-	55	2,504	2,648	3,024	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	102	(189)	(339)	(705)	0.381	0.313	0.312	0.326	39	(59)	(106)	(230)
8	22	16	207	2,412	2,418	2,437	-	-	-	-	42	-	-	-	-	-	-	-	48	2,267	2,384	2,735	-	-	-	-	-	(3)	(1)	0	-	-	-	-	118	148	36	(298)	0.389	0.326	0.319	0.317	46	48	11	(95)
8	22	17	211	2,461	2,477	2,504	-	-	-	-	41	-	-	-	-	-	-	-	34	1,730	1,802	2,114	-	-	-	-	-	(4)	(1)	1	-	-	-	-	136	735	676	389	0.390	0.396	0.392	0.367	53	291	265	143
8	22	18	208	2,436	2,461	2,496	-	-	-	-	45	-	-	-	-	-	-	-	14	846	866	1,130	-	-	-	-	-	(2)	(2)	-	-	-	-	-	149	1,592	1,597	1,365	0.392	0.400	0.393	0.382	59	637	628	522
8	22	19	199	2,332	2,361	2,399	-	-	-	-	47	-	-	-	-	-	-	-	1	137	137	384	-	-	-	-	-	1	(1)	3	-	-	-	-	151	2,194	2,225	2,011	0.390	0.399	0.393	0.387	59	876	875	778
8	22	20	192	2,255	2,285	2,322	-	-	-	-	47	-	-	-	-	-	-	-	-	95	95	342	-	-	-	-	-	4	4	17	-	-	-	-	145	2,156	2,185	1,963	0.391	0.401	0.395	0.388	57	865	864	762
8	22	21	188	2,216	2,247	2,285	-	-	-	-	46	-	-	-	-	-	-	-	-	87	87	334	-	-	-	-	-	1	1	14	-	-	-	-	143	2,128	2,160	1,938	0.388	0.399	0.393	0.386	55	849	849	749
8	22	22	175	2,062	2,094	2,132	-	-	-	-	45	-	-	-	-	-	-	-	-	89	89	336	-	-	-	-	-	3	5	6	-	-	-	-	130	1,970	2,000	1,790	0.381	0.394	0.388	0.380	50	775	776	680
8	22	23	156	1,840	1,869	1,904	-	-	-	-	44	-	-	-	-	-	-	-	-	89	89	336	-	-	-	-	-	5	4	5	-	-	-	-	112	1,746	1,777	1,563	0.372	0.393	0.389	0.373	42	687	691	584
8	22	24	165	1,944	1,972	2,005	-	-	-	-	39	-	-	-	-	-	-	-	-	68	68	315	-	-	-	-	-	3	6	5	-	-	-	-	126	1,873	1,898	1,686	0.370	0.393	0.391	0.371	47	736	742	626
8	23	1	126	1,469	1,478	1,494	-	-	-	-	33	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	7	9	5	-	-	-	-	93	1,401	1,409	1,181	0.372	0.391	0.389	0.371	35	547	548	438
8	23	2	117	1,360	1,362	1,370	-	-	-	-	29	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	10	7	0	-	-	-	-	87	1,296	1,301	1,069	0.372	0.389	0.387	0.370	33	504	504	396
8	23	3	111	1,281	1,276	1,276	-	-	-	-	28	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	1	8	(0)	-	-	-	-	83	1,230	1,218	979	0.373	0.390	0.386	0.370	31	480	470	363
8	23	4	108	1,243	1,230	1,224	-	-	-	-	29	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	12	2	0	-	-	-	-	79	1,185	1,182	931	0.374	0.388	0.389	0.370	30	459	459	344
8	23	5	109	1,243	1,223	1,211	-	-	-	-	36	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	7	6	(3)	-	-	-	-	73	1,195	1,177	927	0.371	0.390	0.390	0.371	27	467	459	344
8	23	6	113	1,294	1,269	1,253	-	-	-	-	37	-	-	-	-	-	-	-	3	190	190	437	-	-	-	-	-	7	13	(4)	-	-	-	-	74	1,096	1,065	820	0.372	0.389	0.382	0.371	28	426	407	304
8	23	7	124	1,413	1,387	1,371	-	-	-	-	30	-	-	-	-	-	-	-	17	1,073	1,077	1,328	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	77	344	313	43	0.367	0.377	0.371	0.380	28	130	116	16
8	23	8	132	1,508	1,483	1,470	-	-	-	-	26	-	-	-	-	-	-	-	34	1,825	1,874	2,164	-	-	-	-	-	(8)	(8)	2	-	-	-	-	72	(310)	(383)	(696)	0.372	0.387	0.387	0.382	27	(120)	(148)	(266)
8	23	9	142	1,623	1,602	1,596	-	-	-	-	23	-	-	-	-	-	-	-	47	2,256	2,353	2,686	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	72	(620)	(737)	(1,079)	0.376	0.327	0.326	0.068	27	(203)	(241)	(73)
8	23	10	152	1,743	1,724	1,719	-	-	-	-	27	-	-	-	-	-	-	-	55	2,515	2,646	3,010	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	70	(761)	(909)	(1,275)	0.382	0.328	0.328	0.072	27	(249)	(298)	(91)
8	23	11	162	1,865	1,846	1,841	-	-	-	-	31	-	-	-	-	-	-	-	58	2,602	2,753	3,136	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	73	(723)	(891)	(1,279)	0.379	0.328	0.328	0.072	28	(237)	(292)	(92)
8	23	12	171	1,970	1,953	1,949	-	-	-	-	33	-	-	-	-	-	-	-	61	2,667	2,830	3,223	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	78	(683)	(861)	(1,257)	0.376	0.328	0.328	0.072	29	(224)	(282)	(90)
8	23	13	180	2,070	2,057	2,057	-	-	-	-	34	-	-	-	-	-	-	-	62	2,687	2,855	3,254	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	84	(611)	(786)	(1,185)	0.374	0.328	0.328	0.072	31	(200)	(258)	(85)
8	23	14	190	2,190	2,182	2,186	-	-	-	-	40	-	-	-	-	-	-	-	60	2,637	2,799	3,192	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	90	(444)	(615)	(1,002)	0.374	0.327	0.327	0.071	34	(145)	(201)	(71)
8	23	15	199	2,301	2,298	2,307	-	-	-	-	43	-	-	-	-	-	-	-	56	2,521	2,668	3,046	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	100	(217)	(370)	(738)	0.381	0.313	0.312	0.326	38	(68)	(115)	(241)
8	23	16	207	2,403	2,408	2,426	-	-	-	-	42	-	-	-	-	-	-	-	48	2,253	2,371	2,724	-	-	-	-	-	(3)	(1)	0	-	-	-	-	117	152	38	(298)	0.389	0.326	0.319	0.317	45	50	12	(94)
8	23	17	210	2,451	2,467	2,494	-	-	-	-	41	-	-	-	-	-	-	-	35	1,760	1,833	2,146	-	-	-	-	-	(4)	(1)	1	-	-	-	-	134	695	635	347	0.390	0.396	0.392	0.367	52	275	249	127
8	23	18	206	2,413	2,438	2,472	-	-	-	-	45	-	-	-	-	-	-	-	14	807	826	1,090	-	-	-	-	-	(2)	(2)	-	-	-	-	-	148	1,608	1,613	1,382	0.392	0.400	0.393	0.382	58	643	635	528
8	23	19	197	2,313	2,341	2,378	-	-	-	-	47	-	-	-	-	-	-	-	0	102	102	349	-	-	-	-	-	1	(1)	3	-	-	-	-	150	2,210	2,240	2,026	0.390	0.399	0.393	0.387	58	882	881	784
8	23	20	192	2,259	2,288	2,326	-	-	-	-	47	-	-	-	-	-	-	-	-	72	72	319	-	-	-	-	-	4	4	17	-	-	-	-	146	2,183	2,212	1,990	0.391	0.401	0.395	0.388	57	876	874	773
8	23	21	190	2,230	2,261	2,300	-	-	-	-	46	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	1	1	14	-	-	-	-	144	2,165	2,197	1,976	0.388	0.399	0.393	0.386	56	864	864	763
8	23	22	176	2,077	2,110	2,148	-	-	-	-	45	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	3	5	6	-	-	-	-	132	2,031	2,062	1,852	0.381	0.394	0.388	0.380	50	800	800	704
8	23	23	157	1,853	1,883	1,917	-	-	-	-	44	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	5	4	5	-	-	-	-	113	1,820	1,850	1,637	0.372	0.393	0.389	0.373	42	716	720	611
8	23	24	166	1,948	1,976	2,010	-	-	-	-	39	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	3	6	5	-	-	-	-	127	1,930	1,955	1,743	0.370	0.393	0.391	0.371	47	758	764	647
8	24	1	126	1,477	1,487	1,502	-	-	-	-	33	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	7	9	5	-	-	-	-	94	1,463	1,471	1,243	0.372	0.391	0.389	0.371	35	572	572	461
8	24	2	118	1,368	1,370	1,378	-	-	-	-	29	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	10	7	0	-	-	-	-	88	1,358	1,363	1,131	0.372	0.389	0.387	0.370	33	528	528	419
8	24	3	112	1,293	1,288	1,289	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	1	8	(0)	-	-	-	-	84	1,292	1,280	1,042	0.373	0.390	0.386	0.370	31	504	494	386
8	24	4	109	1,251	1,238	1,232	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	2	0	-	-	-	-	80	1,238	1,236	984	0.374	0.388	0.389	0.370	30	480	480	364
8	24	5	109	1,245	1,226	1,214	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	6	(3)	-	-	-	-	73	1,238	1,220	970	0.371	0.390	0.390	0.371	27	483	476	360
8	24	6	114	1,297	1,272	1,257	-	-	-	-	37	-	-	-	-	-	-	-	5	307	307	554	-	-	-	-	-	7	13	(4)	-	-	-	-	72	983	952	707	0.372	0.389	0.382	0.371	27	382	364	262
8	24	7	125	1,424	1,398	1,382	-	-	-	-	30	-	-	-	-	-	-	-	19	1,177	1,181	1,432	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	76	251	220	(50)	0.367	0.377	0.371	0.380	28	95	81	(19)
8	24	8	134	1,525	1,500	1,488	-	-	-	-	26	-	-	-	-	-	-	-	35	1,830	1,879	2,170	-	-	-	-	-	(8)	(8)	2	-	-	-	-	73	(297)	(371)	(684)	0.372	0.387	0.387	0.382	27	(115)	(144)	(261)
8	24	9	143	1,640	1,621	1,615	-	-	-	-	23	-	-	-	-	-	-	-	47	2,250	2,347	2,680	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	73	(596)	(713)	(1,054)	0.376	0.327	0.326	0.068	28	(195)	(233)	(71)
8	24	10	153	1,758	1,739	1,735	-	-	-	-	27	-	-	-	-	-	-	-	55	2,538	2,669	3,034	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	71	(768)	(917)	(1,283)	0.382	0.328	0.328	0.072	27	(252)	(301)	(92)
8	24	11	163	1,878	1,859	1,855	-	-	-	-	31	-	-	-	-	-	-	-	60	2,661	2,815	3,199	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	73	(769)	(939)	(1,328)	0.379	0.328	0.328	0.072	28	(252)	(308)	(95)
8	24	12	173	1,989	1,973	1,969	-	-	-	-	33	-	-	-	-	-	-	-	61	2,626	2,792	3,188	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	79	(623)	(804)	(1,202)	0.376	0.328	0.328	0.072	30	(204)	(264)	(86)
8	24	13	181	2,089	2,077	2,077	-	-	-	-	34	-	-	-	-	-	-	-	61	2,612	2,779	3,176	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	86	(517)	(690)	(1,088)	0.374	0.328	0.328	0.072	32	(169)	(226)	(78)
8	24	14	191	2,206	2,197	2,202	-	-	-	-	40	-	-	-	-	-	-	-	59	2,550	2,710	3,101	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	92	(342)	(510)	(894)	0.374	0.327	0.327	0.071	34	(112)	(167)	(63)
8	24	15	200	2,320	2,317	2,327	-	-	-	-	43	-	-	-	-	-	-	-	55	2,424	2,569	2,945	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	102	(101)	(251)	(617)	0.381	0.313	0.312	0.326	39	(32)	(78)	(201)
8	24	16	208	2,420	2,427	2,445	-	-	-	-	42	-	-	-	-	-	-	-	47	2,164	2,279	2,629	-	-	-	-	-	(3)	(1)	0	-	-	-	-	119	260	149	(184)	0.389	0.326	0.319	0.317	46	85	48	(58)
8	24	17	210	2,456	2,472	2,498	-	-	-	-	41	-	-	-	-	-	-	-	35	1,700	1,772	2,083	-	-	-	-	-	(4)	(1)	1	-	-	-	-	134	759	701	415	0.390	0.396	0.392	0.367	52	301	275	152
8	24	18	206	2,412	2,436	2,470	-	-	-	-	45	-	-	-	-	-	-	-	12	640	658	921	-	-	-	-	-	(2)	(2)	-	-	-	-	-	150	1,773	1,780	1,550	0.392	0.400	0.393	0.382	59	710	700	593
8	24	19	196	2,304	2,332	2,369	-	-	-	-	47	-	-	-	-	-	-	-	0	63	63	310	-	-	-	-	-	1	(1)	3	-	-	-	-	149	2,240	2,270	2,055	0.390	0.399	0.393	0.387	58	894	893	795
8	24	20	192	2,250	2,280	2,317	-	-	-	-	47	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	4	4	17	-	-	-	-	145	2,199	2,228	2,006	0.391	0.401	0.395	0.388	57	883	881	779
8	24	21	188	2,210	2,241	2,279	-	-	-	-	46	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	1	1	14	-	-	-	-	142	2,165	2,196	1,974	0.388	0.399	0.393	0.386	55	863	863	763
8	24	22	174	2,052	2,084	2,122	-	-	-	-	45	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	3	5	6	-	-	-	-	130	2,013	2,043	1,833	0.381	0.394	0.388	0.380	49	793	793	697
8	24	23	156	1,832	1,861	1,895	-	-	-	-	44	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	5	4	5	-	-	-	-	112	1,801	1,831	1,617	0.372	0.393	0.389	0.373	41	708	712	604
8	24	24	166	1,951	1,979	2,013	-	-	-	-	39	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	3	6	5	-	-	-	-	127	1,930	1,956	1,743	0.370	0.393	0.391	0.371	47	758	764	647
8	25	1	125	1,464	1,473	1,488	-	-	-	-	33	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	7	9	5	-	-	-	-	92	1,450	1,459	1,230	0.372	0.391	0.389	0.371	34	567	568	456
8	25	2	116	1,354	1,356	1,363	-	-	-	-	29	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	10	7	0	-	-	-	-	87	1,343	1,348	1,115	0.372	0.389	0.387	0.370	32	522	522	413
8	25	3	111	1,282	1,277	1,277	-	-	-	-	28	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	1	8	(0)	-	-	-	-	83	1,279	1,267	1,028	0.373	0.390	0.386	0.370	31	499	489	381
8	25	4	108	1,241	1,228	1,222	-	-	-	-	29	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	12	2	0	-	-	-	-	79	1,225	1,223	971	0.374	0.388	0.389	0.370	29	475	475	359
8	25	5	108	1,240	1,220	1,208	-	-	-	-	36	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	7	6	(3)	-	-	-	-	72	1,227	1,209	959	0.371	0.390	0.390	0.371	27	479	472	356
8	25	6	113	1,291	1,266	1,250	-	-	-	-	37	-	-	-	-	-	-	-	2	134	134	381	-	-	-	-	-	7	13	(4)	-	-	-	-	75	1,150	1,119	873	0.372	0.389	0.382	0.371	28	447	428	324
8	25	7	124	1,415	1,389	1,373	-	-	-	-	30	-	-	-	-	-	-	-	15	946	951	1,202	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	79	473	441	171	0.367	0.377	0.371	0.380	29	178	164	65

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	25	8	132	1,504	1,479	1,466	-	-	-	-	26	-	-	-	-	-	-	-	33	1,758	1,805	2,094	-	-	-	-	-	(8)	(8)	2	-	-	-	-	73	(246)	(318)	(630)	0.372	0.387	0.387	0.382	27	(95)	(123)	(241)
8	25	9	140	1,605	1,585	1,578	-	-	-	-	23	-	-	-	-	-	-	-	46	2,213	2,309	2,641	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	71	(595)	(711)	(1,052)	0.376	0.327	0.326	0.068	27	(194)	(232)	(71)
8	25	10	150	1,717	1,697	1,692	-	-	-	-	27	-	-	-	-	-	-	-	51	2,310	2,441	2,805	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	71	(581)	(730)	(1,098)	0.382	0.328	0.328	0.072	27	(190)	(240)	(79)
8	25	11	159	1,827	1,808	1,802	-	-	-	-	31	-	-	-	-	-	-	-	54	2,358	2,508	2,888	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	74	(517)	(684)	(1,071)	0.379	0.328	0.328	0.072	28	(169)	(224)	(77)
8	25	12	167	1,918	1,900	1,895	-	-	-	-	33	-	-	-	-	-	-	-	60	2,689	2,848	3,237	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	74	(757)	(932)	(1,326)	0.376	0.328	0.328	0.072	28	(248)	(306)	(95)
8	25	13	174	2,001	1,986	1,984	-	-	-	-	34	-	-	-	-	-	-	-	59	2,656	2,812	3,199	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	80	(651)	(814)	(1,204)	0.374	0.328	0.328	0.072	30	(213)	(267)	(86)
8	25	14	182	2,096	2,085	2,087	-	-	-	-	40	-	-	-	-	-	-	-	55	2,429	2,575	2,953	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	87	(330)	(486)	(861)	0.374	0.327	0.327	0.071	33	(108)	(159)	(61)
8	25	15	188	2,175	2,168	2,174	-	-	-	-	43	-	-	-	-	-	-	-	52	2,424	2,551	2,912	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	93	(246)	(382)	(736)	0.381	0.313	0.312	0.326	35	(77)	(119)	(240)
8	25	16	193	2,246	2,247	2,261	-	-	-	-	42	-	-	-	-	-	-	-	46	2,206	2,308	2,645	-	-	-	-	-	(3)	(1)	0	-	-	-	-	105	42	(59)	(385)	0.389	0.326	0.319	0.317	41	14	(19)	(122)
8	25	17	195	2,277	2,289	2,311	-	-	-	-	41	-	-	-	-	-	-	-	35	1,796	1,863	2,169	-	-	-	-	-	(4)	(1)	1	-	-	-	-	119	485	427	141	0.390	0.396	0.392	0.367	46	192	167	52
8	25	18	192	2,243	2,263	2,293	-	-	-	-	45	-	-	-	-	-	-	-	12	710	725	986	-	-	-	-	-	(2)	(2)	-	-	-	-	-	135	1,535	1,540	1,307	0.392	0.400	0.393	0.382	53	614	606	500
8	25	19	184	2,157	2,182	2,214	-	-	-	-	47	-	-	-	-	-	-	-	0	107	107	354	-	-	-	-	-	1	(1)	3	-	-	-	-	137	2,049	2,076	1,857	0.390	0.399	0.393	0.387	53	818	816	718
8	25	20	181	2,119	2,145	2,178	-	-	-	-	47	-	-	-	-	-	-	-	-	98	98	345	-	-	-	-	-	4	4	17	-	-	-	-	134	2,017	2,042	1,817	0.391	0.401	0.395	0.388	52	809	807	705
8	25	21	179	2,101	2,129	2,164	-	-	-	-	46	-	-	-	-	-	-	-	-	76	76	323	-	-	-	-	-	1	1	14	-	-	-	-	133	2,024	2,052	1,827	0.388	0.399	0.393	0.386	52	807	807	706
8	25	22	167	1,968	1,998	2,034	-	-	-	-	45	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	3	5	6	-	-	-	-	123	1,909	1,937	1,724	0.381	0.394	0.388	0.380	47	752	752	655
8	25	23	150	1,772	1,799	1,832	-	-	-	-	44	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	5	4	5	-	-	-	-	107	1,719	1,748	1,532	0.372	0.393	0.389	0.373	40	676	680	572
8	25	24	160	1,883	1,909	1,941	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	3	6	5	-	-	-	-	121	1,843	1,867	1,653	0.370	0.393	0.391	0.371	45	724	730	614
8	26	1	123	1,441	1,450	1,464	-	-	-	-	33	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	7	9	5	-	-	-	-	91	1,400	1,408	1,179	0.372	0.391	0.389	0.371	34	547	548	437
8	26	2	116	1,343	1,344	1,352	-	-	-	-	29	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	10	7	0	-	-	-	-	86	1,307	1,312	1,079	0.372	0.389	0.387	0.370	32	508	508	399
8	26	3	110	1,274	1,268	1,269	-	-	-	-	28	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	1	8	(0)	-	-	-	-	82	1,259	1,246	1,007	0.373	0.390	0.386	0.370	31	491	481	373
8	26	4	108	1,241	1,228	1,222	-	-	-	-	29	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	12	2	0	-	-	-	-	79	1,214	1,211	960	0.374	0.388	0.389	0.370	29	471	471	355
8	26	5	109	1,245	1,225	1,213	-	-	-	-	36	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	7	6	(3)	-	-	-	-	73	1,220	1,201	951	0.371	0.390	0.390	0.371	27	476	469	353
8	26	6	114	1,298	1,273	1,257	-	-	-	-	37	-	-	-	-	-	-	-	3	201	201	448	-	-	-	-	-	7	13	(4)	-	-	-	-	74	1,090	1,059	813	0.372	0.389	0.382	0.371	28	424	405	302
8	26	7	125	1,429	1,403	1,388	-	-	-	-	30	-	-	-	-	-	-	-	14	895	899	1,149	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	81	539	508	239	0.367	0.377	0.371	0.380	30	203	188	91
8	26	8	133	1,522	1,497	1,484	-	-	-	-	26	-	-	-	-	-	-	-	28	1,479	1,520	1,803	-	-	-	-	-	(8)	(8)	2	-	-	-	-	80	50	(15)	(320)	0.372	0.387	0.387	0.382	30	19	(6)	(122)
8	26	9	140	1,603	1,582	1,575	-	-	-	-	23	-	-	-	-	-	-	-	37	1,799	1,875	2,191	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	80	(182)	(280)	(604)	0.376	0.327	0.326	0.068	30	(60)	(91)	(41)
8	26	10	147	1,689	1,669	1,662	-	-	-	-	27	-	-	-	-	-	-	-	38	1,675	1,779	2,120	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	82	27	(97)	(441)	0.382	0.328	0.328	0.072	31	9	(32)	(32)
8	26	11	154	1,764	1,742	1,735	-	-	-	-	31	-	-	-	-	-	-	-	39	1,661	1,775	2,125	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	84	117	(17)	(374)	0.379	0.328	0.328	0.072	32	38	(5)	(27)
8	26	12	160	1,833	1,813	1,805	-	-	-	-	33	-	-	-	-	-	-	-	39	1,704	1,818	2,166	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	88	143	11	(345)	0.376	0.328	0.328	0.072	33	47	3	(25)
8	26	13	164	1,886	1,868	1,863	-	-	-	-	34	-	-	-	-	-	-	-	39	1,667	1,786	2,140	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	91	224	94	(265)	0.374	0.328	0.328	0.072	34	73	31	(19)
8	26	14	169	1,952	1,937	1,935	-	-	-	-	40	-	-	-	-	-	-	-	38	1,563	1,683	2,038	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	92	392	257	(98)	0.374	0.327	0.327	0.071	34	128	84	(7)
8	26	15	174	2,013	2,002	2,003	-	-	-	-	43	-	-	-	-	-	-	-	34	1,437	1,537	1,874	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	97	578	465	131	0.381	0.313	0.312	0.326	37	181	145	43
8	26	16	179	2,072	2,070	2,079	-	-	-	-	42	-	-	-	-	-	-	-	31	1,408	1,492	1,814	-	-	-	-	-	(3)	(1)	0	-	-	-	-	106	667	579	265	0.389	0.326	0.319	0.317	41	217	185	84
8	26	17	179	2,086	2,093	2,110	-	-	-	-	41	-	-	-	-	-	-	-	21	1,021	1,073	1,366	-	-	-	-	-	(4)	(1)	1	-	-	-	-	117	1,069	1,021	743	0.390	0.396	0.392	0.367	46	423	400	273
8	26	18	176	2,051	2,066	2,091	-	-	-	-	45	-	-	-	-	-	-	-	8	454	468	727	-	-	-	-	-	(2)	(2)	-	-	-	-	-	123	1,599	1,600	1,364	0.392	0.400	0.393	0.382	48	640	630	522
8	26	19	168	1,967	1,987	2,015	-	-	-	-	47	-	-	-	-	-	-	-	0	50	50	297	-	-	-	-	-	1	(1)	3	-	-	-	-	121	1,916	1,938	1,714	0.390	0.399	0.393	0.387	47	765	762	663
8	26	20	166	1,943	1,965	1,994	-	-	-	-	47	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	4	4	17	-	-	-	-	119	1,883	1,904	1,674	0.391	0.401	0.395	0.388	47	756	753	650
8	26	21	165	1,942	1,966	1,997	-	-	-	-	46	-	-	-	-	-	-	-	-	83	83	330	-	-	-	-	-	1	1	14	-	-	-	-	120	1,858	1,883	1,654	0.388	0.399	0.393	0.386	47	741	740	639
8	26	22	157	1,845	1,872	1,905	-	-	-	-	45	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	3	5	6	-	-	-	-	112	1,772	1,797	1,581	0.381	0.394	0.388	0.380	43	697	697	601
8	26	23	144	1,700	1,726	1,756	-	-	-	-	44	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	5	4	5	-	-	-	-	101	1,635	1,662	1,445	0.372	0.393	0.389	0.373	37	643	647	539
8	26	24	152	1,791	1,815	1,844	-	-	-	-	39	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	3	6	5	-	-	-	-	113	1,726	1,747	1,531	0.370	0.393	0.391	0.371	42	678	683	568
8	27	1	120	1,401	1,410	1,423	-	-	-	-	33	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	7	9	5	-	-	-	-	87	1,349	1,356	1,126	0.372	0.391	0.389	0.371	32	527	527	417
8	27	2	112	1,303	1,304	1,310	-	-	-	-	29	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	10	7	0	-	-	-	-	83	1,269	1,273	1,039	0.372	0.389	0.387	0.370	31	494	493	385
8	27	3	107	1,238	1,231	1,231	-	-	-	-	28	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	1	8	(0)	-	-	-	-	79	1,210	1,197	957	0.373	0.390	0.386	0.370	30	472	462	354
8	27	4	104	1,194	1,180	1,173	-	-	-	-	29	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	12	2	0	-	-	-	-	75	1,152	1,148	895	0.374	0.388	0.389	0.370	28	446	446	331
8	27	5	103	1,178	1,157	1,143	-	-	-	-	36	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	7	6	(3)	-	-	-	-	67	1,152	1,132	881	0.371	0.390	0.390	0.371	25	450	442	327
8	27	6	105	1,191	1,164	1,145	-	-	-	-	37	-	-	-	-	-	-	-	2	140	140	387	-	-	-	-	-	7	13	(4)	-	-	-	-	66	1,043	1,010	762	0.372	0.389	0.382	0.371	25	406	386	283
8	27	7	108	1,228	1,197	1,176	-	-	-	-	30	-	-	-	-	-	-	-	13	816	820	1,070	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	65	416	380	107	0.367	0.377	0.371	0.380	24	157	141	40
8	27	8	113	1,285	1,254	1,236	-	-	-	-	26	-	-	-	-	-	-	-	33	1,706	1,755	2,046	-	-	-	-	-	(8)	(8)	2	-	-	-	-	55	(414)	(493)	(812)	0.372	0.387	0.387	0.382	21	(160)	(191)	(310)
8	27	9	122	1,388	1,363	1,350	-	-	-	-	23	-	-	-	-	-	-	-	43	2,005	2,102	2,436	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	56	(603)	(726)	(1,074)	0.376	0.327	0.326	0.068	21	(197)	(237)	(73)
8	27	10	129	1,474	1,448	1,436	-	-	-	-	27	-	-	-	-	-	-	-	54	2,451	2,584	2,950	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	48	(966)	(1,122)	(1,497)	0.382	0.328	0.328	0.072	18	(317)	(368)	(107)
8	27	11	134	1,528	1,501	1,488	-	-	-	-	31	-	-	-	-	-	-	-	59	2,596	2,750	3,135	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	44	(1,054)	(1,233)	(1,631)	0.379	0.328	0.328	0.072	17	(345)	(404)	(117)
8	27	12	137	1,563	1,536	1,522	-	-	-	-	33	-	-	-	-	-	-	-	58	2,515	2,676	3,067	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	46	(939)	(1,125)	(1,529)	0.376	0.328	0.328	0.072	17	(308)	(369)	(109)
8	27	13	141	1,614	1,590	1,578	-	-	-	-	34	-	-	-	-	-	-	-	56	2,432	2,584	2,968	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	51	(813)	(982)	(1,378)	0.374	0.328	0.328	0.072	19	(266)	(322)	(99)
8	27	14	145	1,663	1,642	1,633	-	-	-	-	40	-	-	-	-	-	-	-	54	2,404	2,549	2,926	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	51	(738)	(904)	(1,289)	0.374	0.327	0.327	0.071	19	(241)	(296)	(91)
8	27	15	150	1,724	1,707	1,701	-	-	-	-	43	-	-	-	-	-	-	-	54	2,419	2,556	2,926	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	53	(692)	(849)	(1,224)	0.381	0.313	0.312	0.326	20	(216)	(265)	(399)
8	27	16	155	1,790	1,781	1,783	-	-	-	-	42	-	-	-	-	-	-	-	47	2,174	2,282	2,626	-	-	-	-	-	(3)	(1)	0	-	-	-	-	67	(381)	(500)	(843)	0.389	0.326	0.319	0.317	26	(124)	(160)	(267)
8	27	17	158	1,835	1,836	1,846	-	-	-	-	41	-	-	-	-	-	-	-	35	1,760	1,828	2,136	-	-	-	-	-	(4)	(1)	1	-	-	-	-	82	79	9	(290)	0.390	0.396	0.392	0.367	32	31	3	(107)
8	27	18	158	1,848	1,859	1,879	-	-	-	-	45	-	-	-	-	-	-	-	9	500	516	778	-	-	-	-	-	(2)	(2)	-	-	-	-	-	105	1,350	1,344	1,101	0.392	0.400	0.393	0.382	41	540	529	421
8	27	19	155	1,818	1,835	1,859	-	-	-	-	47	-	-	-	-	-	-	-	0	71	71	318	-	-	-	-	-	1	(1)	3	-	-	-	-	108	1,746	1,765	1,537	0.390	0.399	0.393	0.387	42	697	694	595
8	27	20	156	1,826	1,846	1,872	-	-	-	-	47	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	4	4	17	-	-	-	-	109	1,766	1,784	1,552	0.391	0.401	0.395	0.388	43	709	705	602
8	27	21	157	1,843	1,865	1,894	-	-	-	-	46	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	1	1	14	-	-	-	-	111	1,792	1,814	1,583	0.388	0.399	0.393	0.386	43	715	713	612
8	27	22	150	1,764	1,789	1,820	-	-	-	-	45	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	3	5	6	-	-	-	-	105	1,732	1,756	1,537	0.381	0.394	0.388	0.380	40	682	681	584
8	27	23	139	1,638	1,662	1,692	-	-	-	-	44	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	5	4	5	-	-	-	-	95	1,609	1,634	1,416	0.372	0.393	0.389	0.373	35	633	636	528
8	27	24	137	1,607	1,627	1,652	-	-	-	-	39	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	3	6	5	-	-	-	-	98	1,581	1,598	1,377	0.370	0.393	0.391	0.371	36	621	625	511
8	28	1	117	1,367	1,374	1,387	-	-	-	-	33	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	7	9	5	-	-	-	-	84	1,340	1,346	1,115	0.372	0.391	0.389	0.371	31	524	524	413
8	28	2	110	1,271	1,271	1,277	-	-	-	-	29	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	10	7	0	-	-	-	-	80	1,248	1,251	1,016	0.372	0.389	0.387	0.370	30	485	484	376
8	28	3	104	1,202	1,195	1,194	-	-	-	-	28	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	1	8	(0)	-	-	-	-	76	1,195	1,181	940	0.373	0.390	0.386	0.370	28	466	456	348
8	28	4	101	1,153	1,137	1,129	-	-	-	-	29	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	12	2	0	-	-	-	-	71	1,138	1,133	879	0.374	0.388	0.389	0.370	27	441	440	325
8	28	5	99	1,128	1,106	1,091	-	-	-	-	36	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	7	6	(3)	-	-	-	-	63	1,118	1,097	844	0.371	0.390	0.390	0.371	23	437	428	314
8	28	6	98	1,112	1,083	1,062	-	-	-	-	37	-	-	-	-	-	-	-	4	279	279	526	-	-	-	-	-	7	13	(4)	-	-	-	-	57	826	791	540	0.372	0.389	0.382	0.371	21	321	302	201
8	28	7	99	1,117	1,083	1,060	-	-	-	-	30	-	-	-	-	-	-	-	19	1,163	1,168	1,419	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	50	(43)	(81)	(358)	0.367	0.377	0.371	0.380	18	(16)	(30)	(136)
8	28	8	102	1,147	1,114	1,092	-	-	-	-	26	-	-	-	-	-	-	-	35	1,820	1,871	2,163	-	-	-	-	-	(8)	(8)	2	-	-	-	-	41	(665)	(749)	(1,073)	0.372	0.387	0.387	0.382	15	(257)	(290)	(410)
8	28	9	110	1,246	1,217	1,201	-	-	-	-	23	-	-	-	-	-	-	-	47	2,220	2,320	2,656	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	40	(961)	(1,090)	(1,444)	0.376	0.327	0.326	0.068	15	(314)	(356)	(98)
8	28	10	119	1,356	1,327	1,313	-	-	-	-	27	-	-	-	-	-	-	-	55	2,492	2,627	2,994	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	37	(1,124)	(1,286)	(1,666)	0.382	0.328	0.328	0.072	14	(369)	(422)	(119)
8	28	11	129	1,464	1,437	1,421	-	-	-	-	31	-	-	-	-	-	-	-	58	2,569	2,721	3,105	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	39	(1,090)	(1,269)	(1,667)	0.379	0.328	0.328	0.072	15	(357)	(416)	(119)
8	28	12	138	1,572	1,546	1,532	-	-	-	-	33	-	-	-	-	-	-	-	59	2,548	2,707	3,097	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	46	(962)	(1,145)	(1,548)	0.376	0.328	0.328	0.072	17	(315)	(376)	(111)
8	28	13	147	1,685	1,663	1,653	-	-	-	-	34	-	-	-	-	-	-	-	57	2,435	2,593	2,980	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	56	(745)	(918)	(1,316)	0.374	0.328	0.328	0.072	21	(244)	(301)	(94)
8	28	14	157	1,809	1,792	1,786	-	-	-	-	40	-	-	-	-	-	-	-	56	2,478	2,625	3,003	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	62	(667)	(830)	(1,212)	0.374	0.327	0.327	0.071	23	(218)	(272)	(86)
8	28	15	168	1,938	1,926	1,926	-	-	-	-	43	-	-	-	-	-	-	-	51	2,360	2,485	2,843	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	74	(419)	(558)	(916)	0.381	0.313	0.312	0.326	28	(131)	(174)	(299)
8	28	16	177	2,052	2,049	2,058	-	-	-	-	42	-	-	-	-	-	-	-	46	2,117	2,223	2,565	-	-	-	-	-	(3)	(1)	0	-	-	-	-	90	(62)	(173)	(508)	0.389	0.326	0.319	0.317	35	(20)	(55)	(161)
8	28	17	182	2,114	2,122	2,141	-	-	-	-	41	-	-	-	-	-	-	-	34	1,651	1,720	2,028	-	-	-	-	-	(4)	(1)	1	-	-	-	-	107	467	404	112	0.390	0.396	0.392	0.367	42	185	158	41
8	28	18	183	2,135	2,153	2,180	-	-	-	-	45	-	-	-	-	-	-	-	7	372	386	646	-	-	-	-	-	(2)	(2)	-	-	-	-	-	131	1,765	1,769	1,534	0.392	0.400	0.393	0.382	51	706	696	587
8	28	19	179	2,094	2,118	2,149	-	-	-	-	47	-	-	-	-	-	-	-	0	29	29	276	-	-	-	-	-	1	(1)	3	-	-	-	-	132	2,065	2,090	1,870	0.390	0.399	0.393	0.387	51	824	822	723
8	28	20	176	2,066	2,091	2,123	-	-	-	-	47	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	4	4	17	-	-	-	-	129	2,038	2,062	1,835	0.391	0.401	0.395	0.388	51	818	815	713
8	28	21	175	2,057	2,084	2,119	-	-	-	-	46	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	1	1	14	-	-	-	-	129	2,029	2,057	1,831	0.388	0.399	0.393	0.386	50	809	809	708
8	28	22	164	1,935	1,964	1,999	-	-	-	-	45	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	3	5	6	-	-	-	-	120	1,916	1,943	1,730	0.381	0.394	0.388	0.380	46	754	754	658
8	28	23	148	1,745	1,771	1,804	-	-	-	-	44	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	5	4	5	-	-	-	-	104	1,732	1,760	1,544	0.372	0.393	0.389	0.373	39	681	685	576
8	28	24	142	1,665	1,687	1,713	-	-	-	-	39	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	3	6	5	-	-	-	-	103	1,659	1,677	1,458	0.370	0.393	0.391	0.371	38	652	656	541
8	29	1	121	1,410	1,419	1,432	-	-	-	-	33	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	7	9	5	-	-	-	-	88	1,403	1,410	1,180	0.372	0.391	0.389	0.371	33	548	548	437
8	29	2	113	1,310	1,310	1,317	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	7	0	-	-	-	-	83	1,300	1,304	1,070	0.372	0.389	0.387	0.370	31	506	505	396
8	29	3	108	1,246	1,239	1,239	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	8	(0)	-	-	-	-	80	1,245	1,231	992	0.373	0.390	0.386	0.370	30	485	475	367
8	29	4	105	1,210	1,196	1,189	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	2	0	-	-	-	-	76	1,198	1,194	942	0.374	0.388	0.389	0.370	28	464	464	349
8	29	5	107	1,218	1,198	1,185	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	6	(3)	-	-	-	-	71	1,211	1,192	941	0.371	0.390	0.390	0.371	26	473	465	349
8	29	6	112	1,280	1,254	1,238	-	-	-	-	37	-	-	-	-	-	-	-	4	252	252	499	-	-	-	-	-	7	13	(4)	-	-	-	-	72	1,020	989	743	0.372	0.389	0.382	0.371	27	397	378	276
8	29	7	123	1,401	1,375	1,359	-	-	-	-	30	-	-	-	-	-	-	-	19	1,157	1,161	1,411	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	74	249	217	(53)	0.367	0.377	0.371	0.380	27	94	81	(20)
8	29	8	132	1,511	1,486	1,473	-	-	-	-	26	-	-	-	-	-	-	-	34	1,806	1,856	2,147	-	-	-	-	-	(8)	(8)	2	-	-	-	-	72	(288)	(362)	(676)	0.372	0.387	0.387	0.382	27	(111)	(140)	(258)
8	29	9	143	1,633	1,614	1,608	-	-	-	-	23	-	-	-	-	-	-	-	46	2,207	2,305	2,639	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	73	(561)	(678)	(1,020)	0.376	0.327	0.326	0.068	28	(183)	(221)	(69)
8	29	10	154	1,768	1,750	1,746	-	-	-	-	27	-	-	-	-	-	-	-	54	2,443	2,573	2,936	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	73	(663)	(810)	(1,174)	0.382	0.328	0.328	0.072	28	(218)	(266)	(84)
8	29	11	166	1,907	1,889	1,886	-	-	-	-	31	-	-	-	-	-	-	-	57	2,529	2,677	3,057	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	78	(608)	(772)	(1,155)	0.379	0.328	0.328	0.072	30	(199)	(253)	(83)
8	29	12	177	2,043	2,028	2,027	-	-	-	-	33	-	-	-	-	-	-	-	57	2,502	2,656	3,041	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	87	(445)	(612)	(998)	0.376	0.328	0.328	0.072	33	(146)	(201)	(71)
8	29	13	188	2,172	2,162	2,165	-	-	-	-	34	-	-	-	-	-	-	-	55	2,407	2,557	2,939	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	99	(229)	(383)	(762)	0.374	0.328	0.328	0.072	37	(75)	(125)	(55)
8	29	14	202	2,337	2,333	2,341	-	-	-	-	40	-	-	-	-	-	-	-	53	2,404	2,533	2,896	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	109	(63)	(197)	(550)	0.374	0.327	0.327	0.071	41	(21)	(64)	(39)
8	29	15	215	2,489	2,490	2,505	-	-	-	-	43	-	-	-	-	-	-	-	47	2,097	2,213	2,564	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	125	394	278	(58)	0.381	0.313	0.312	0.326	48	123	87	(19)
8	29	16	226	2,629	2,640	2,664	-	-	-	-	42	-	-	-	-	-	-	-	42	1,972	2,066	2,398	-	-	-	-	-	(3)	(1)	0	-	-	-	-	142	660	575	266	0.389	0.326	0.319	0.317	55	215	184	84
8	29	17	232	2,708	2,731	2,764	-	-	-	-	41	-	-	-	-	-	-	-	30	1,490	1,546	1,844	-	-	-	-	-	(4)	(1)	1	-	-	-	-	161	1,223	1,186	920	0.390	0.396	0.392	0.367	63	484	465	338
8	29	18	230	2,693	2,725	2,766	-	-	-	-	45	-	-	-	-	-	-	-	9	486	499	757	-	-	-	-	-	(2)	(2)	-	-	-	-	-	176	2,209	2,227	2,009	0.392	0.400	0.393	0.382	69	884	876	768

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
8	29	19	220	2,590	2,626	2,670	-	-	-	-	47	-	-	-	-	-	-	-	0	25	25	272	-	-	-	-	-	1	(1)	3	-	-	-	-	174	2,564	2,602	2,395	0.390	0.399	0.393	0.387	68	1,024	1,023	926
8	29	20	213	2,501	2,536	2,580	-	-	-	-	47	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	4	4	17	-	-	-	-	166	2,488	2,522	2,307	0.391	0.401	0.395	0.388	65	998	997	896
8	29	21	207	2,432	2,469	2,513	-	-	-	-	46	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	1	1	14	-	-	-	-	161	2,429	2,466	2,250	0.388	0.399	0.393	0.386	63	969	969	869
8	29	22	190	2,239	2,275	2,318	-	-	-	-	45	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	3	5	6	-	-	-	-	145	2,229	2,264	2,058	0.381	0.394	0.388	0.380	55	877	879	782
8	29	23	168	1,984	2,016	2,055	-	-	-	-	44	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	5	4	5	-	-	-	-	124	1,973	2,007	1,798	0.372	0.393	0.389	0.373	46	776	781	671
8	29	24	174	2,042	2,072	2,109	-	-	-	-	39	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	3	6	5	-	-	-	-	135	2,035	2,063	1,853	0.370	0.393	0.391	0.371	50	800	806	688
8	30	1	134	1,567	1,579	1,597	-	-	-	-	33	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	7	9	5	-	-	-	-	101	1,557	1,568	1,342	0.372	0.391	0.389	0.371	38	608	610	497
8	30	2	124	1,445	1,449	1,459	-	-	-	-	29	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	10	7	0	-	-	-	-	95	1,435	1,442	1,212	0.372	0.389	0.387	0.370	35	558	558	449
8	30	3	117	1,359	1,355	1,358	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	8	(0)	-	-	-	-	89	1,358	1,348	1,112	0.373	0.390	0.386	0.370	33	530	520	412
8	30	4	114	1,310	1,299	1,295	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	2	0	-	-	-	-	85	1,298	1,297	1,048	0.374	0.388	0.389	0.370	32	503	504	388
8	30	5	114	1,309	1,291	1,281	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	6	(3)	-	-	-	-	78	1,302	1,285	1,037	0.371	0.390	0.390	0.371	29	508	501	385
8	30	6	119	1,363	1,340	1,326	-	-	-	-	37	-	-	-	-	-	-	-	1	54	54	301	-	-	-	-	-	7	13	(4)	-	-	-	-	82	1,302	1,273	1,029	0.372	0.389	0.382	0.371	30	506	487	382
8	30	7	131	1,500	1,476	1,463	-	-	-	-	30	-	-	-	-	-	-	-	5	313	316	566	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	96	1,191	1,164	898	0.367	0.377	0.371	0.380	35	450	432	341
8	30	8	139	1,593	1,570	1,560	-	-	-	-	26	-	-	-	-	-	-	-	12	532	560	832	-	-	-	-	-	(8)	(8)	2	-	-	-	-	102	1,069	1,018	726	0.372	0.387	0.387	0.382	38	414	394	277
8	30	9	149	1,708	1,690	1,686	-	-	-	-	23	-	-	-	-	-	-	-	21	867	933	1,239	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	104	854	770	458	0.376	0.327	0.326	0.068	39	279	251	31
8	30	10	162	1,858	1,842	1,840	-	-	-	-	27	-	-	-	-	-	-	-	26	969	1,063	1,394	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	108	900	792	462	0.382	0.328	0.328	0.072	41	295	260	33
8	30	11	175	2,020	2,006	2,005	-	-	-	-	31	-	-	-	-	-	-	-	26	896	1,000	1,340	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	118	1,139	1,022	681	0.379	0.328	0.328	0.072	45	373	335	49
8	30	12	189	2,182	2,170	2,172	-	-	-	-	33	-	-	-	-	-	-	-	38	1,565	1,679	2,027	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	119	630	507	162	0.376	0.328	0.328	0.072	45	207	166	12
8	30	13	203	2,352	2,346	2,353	-	-	-	-	34	-	-	-	-	-	-	-	37	1,548	1,660	2,007	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	132	809	698	357	0.374	0.328	0.328	0.072	49	265	229	26
8	30	14	219	2,543	2,543	2,557	-	-	-	-	40	-	-	-	-	-	-	-	38	1,604	1,719	2,070	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	141	941	827	492	0.374	0.327	0.327	0.071	53	308	271	35
8	30	15	233	2,703	2,709	2,729	-	-	-	-	43	-	-	-	-	-	-	-	39	1,697	1,804	2,147	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	151	1,009	906	583	0.381	0.313	0.312	0.326	58	315	283	190
8	30	16	243	2,832	2,848	2,877	-	-	-	-	42	-	-	-	-	-	-	-	36	1,655	1,744	2,070	-	-	-	-	-	(3)	(1)	0	-	-	-	-	165	1,180	1,106	807	0.389	0.326	0.319	0.317	64	384	353	256
8	30	17	247	2,894	2,920	2,958	-	-	-	-	41	-	-	-	-	-	-	-	28	1,357	1,414	1,712	-	-	-	-	-	(4)	(1)	1	-	-	-	-	178	1,541	1,507	1,246	0.390	0.396	0.392	0.367	70	610	591	457
8	30	18	244	2,865	2,901	2,947	-	-	-	-	45	-	-	-	-	-	-	-	3	137	149	406	-	-	-	-	-	(2)	(2)	-	-	-	-	-	196	2,730	2,753	2,540	0.392	0.400	0.393	0.382	77	1,092	1,083	971
8	30	19	234	2,750	2,790	2,838	-	-	-	-	47	-	-	-	-	-	-	-	0	4	4	251	-	-	-	-	-	1	(1)	3	-	-	-	-	187	2,745	2,786	2,583	0.390	0.399	0.393	0.387	73	1,096	1,095	999
8	30	20	226	2,661	2,700	2,748	-	-	-	-	47	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	4	4	17	-	-	-	-	180	2,654	2,693	2,482	0.391	0.401	0.395	0.388	70	1,065	1,064	964
8	30	21	219	2,573	2,613	2,661	-	-	-	-	46	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	1	1	14	-	-	-	-	173	2,563	2,603	2,391	0.388	0.399	0.393	0.386	67	1,022	1,024	924
8	30	22	201	2,368	2,407	2,454	-	-	-	-	45	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	3	5	6	-	-	-	-	156	2,364	2,402	2,200	0.381	0.394	0.388	0.380	60	931	932	836
8	30	23	178	2,094	2,129	2,170	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	5	4	5	-	-	-	-	134	2,089	2,125	1,918	0.372	0.393	0.389	0.373	50	822	827	716
8	30	24	187	2,201	2,235	2,275	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	6	5	-	-	-	-	148	2,198	2,229	2,024	0.370	0.393	0.391	0.371	55	864	871	751
8	31	1	134	1,565	1,578	1,596	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	9	5	-	-	-	-	101	1,558	1,569	1,344	0.372	0.391	0.389	0.371	38	609	611	498
8	31	2	121	1,407	1,410	1,419	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	7	0	-	-	-	-	91	1,397	1,403	1,172	0.372	0.389	0.387	0.370	34	543	543	434
8	31	3	113	1,313	1,308	1,309	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	8	(0)	-	-	-	-	86	1,312	1,300	1,063	0.373	0.390	0.386	0.370	32	511	502	393
8	31	4	109	1,257	1,244	1,238	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	2	0	-	-	-	-	80	1,244	1,242	991	0.374	0.388	0.389	0.370	30	482	483	367
8	31	5	109	1,247	1,227	1,215	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	6	(3)	-	-	-	-	73	1,239	1,221	972	0.371	0.390	0.390	0.371	27	484	477	361
8	31	6	114	1,301	1,276	1,261	-	-	-	-	37	-	-	-	-	-	-	-	2	103	103	350	-	-	-	-	-	7	13	(4)	-	-	-	-	76	1,190	1,160	914	0.372	0.389	0.382	0.371	28	463	443	340
8	31	7	126	1,433	1,408	1,393	-	-	-	-	30	-	-	-	-	-	-	-	14	879	883	1,134	-	-	-	-	-	(4)	(3)	(0)	-	-	-	-	82	559	528	259	0.367	0.377	0.371	0.380	30	211	196	99
8	31	8	134	1,532	1,508	1,496	-	-	-	-	26	-	-	-	-	-	-	-	33	1,737	1,785	2,075	-	-	-	-	-	(8)	(8)	2	-	-	-	-	75	(197)	(269)	(581)	0.372	0.387	0.387	0.382	28	(76)	(104)	(222)
8	31	9	144	1,653	1,634	1,628	-	-	-	-	23	-	-	-	-	-	-	-	45	2,152	2,248	2,582	-	-	-	-	-	(13)	(13)	(11)	-	-	-	-	76	(486)	(601)	(942)	0.376	0.327	0.326	0.068	28	(159)	(196)	(64)
8	31	10	157	1,805	1,788	1,785	-	-	-	-	27	-	-	-	-	-	-	-	53	2,427	2,557	2,921	-	-	-	-	-	(12)	(13)	(16)	-	-	-	-	77	(610)	(756)	(1,120)	0.382	0.328	0.328	0.072	29	(200)	(248)	(80)
8	31	11	171	1,964	1,948	1,946	-	-	-	-	31	-	-	-	-	-	-	-	57	2,529	2,676	3,056	-	-	-	-	-	(14)	(16)	(16)	-	-	-	-	83	(550)	(712)	(1,093)	0.379	0.328	0.328	0.072	31	(180)	(233)	(78)
8	31	12	183	2,110	2,097	2,097	-	-	-	-	33	-	-	-	-	-	-	-	58	2,537	2,688	3,070	-	-	-	-	-	(13)	(15)	(16)	-	-	-	-	93	(413)	(575)	(956)	0.376	0.328	0.328	0.072	35	(135)	(189)	(68)
8	31	13	194	2,244	2,236	2,240	-	-	-	-	34	-	-	-	-	-	-	-	55	2,429	2,569	2,941	-	-	-	-	-	(5)	(12)	(11)	-	-	-	-	106	(179)	(321)	(689)	0.374	0.328	0.328	0.072	39	(59)	(105)	(49)
8	31	14	208	2,408	2,405	2,415	-	-	-	-	40	-	-	-	-	-	-	-	47	2,113	2,233	2,587	-	-	-	-	-	(3)	(3)	(4)	-	-	-	-	121	297	175	(167)	0.374	0.327	0.327	0.071	45	97	57	(12)
8	31	15	220	2,550	2,553	2,569	-	-	-	-	43	-	-	-	-	-	-	-	39	1,684	1,788	2,128	-	-	-	-	-	(3)	(0)	(2)	-	-	-	-	138	869	765	442	0.381	0.313	0.312	0.326	53	271	239	144
8	31	16	228	2,653	2,665	2,689	-	-	-	-	42	-	-	-	-	-	-	-	34	1,494	1,583	1,909	-	-	-	-	-	(3)	(1)	0	-	-	-	-	152	1,161	1,083	780	0.389	0.326	0.319	0.317	59	378	346	247
8	31	17	230	2,686	2,707	2,740	-	-	-	-	41	-	-	-	-	-	-	-	21	997	1,047	1,339	-	-	-	-	-	(4)	(1)	1	-	-	-	-	168	1,693	1,661	1,400	0.390	0.396	0.392	0.367	65	670	651	514
8	31	18	225	2,638	2,668	2,709	-	-	-	-	45	-	-	-	-	-	-	-	6	345	357	614	-	-	-	-	-	(2)	(2)	-	-	-	-	-	174	2,295	2,313	2,095	0.392	0.400	0.393	0.382	68	918	910	801
8	31	19	214	2,517	2,551	2,594	-	-	-	-	47	-	-	-	-	-	-	-	0	28	28	275	-	-	-	-	-	1	(1)	3	-	-	-	-	168	2,488	2,524	2,315	0.390	0.399	0.393	0.387	65	993	992	896
8	31	20	205	2,412	2,446	2,487	-	-	-	-	47	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	4	4	17	-	-	-	-	159	2,376	2,408	2,191	0.391	0.401	0.395	0.388	62	954	952	851
8	31	21	198	2,326	2,360	2,401	-	-	-	-	46	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	1	1	14	-	-	-	-	152	2,289	2,323	2,105	0.388	0.399	0.393	0.386	59	913	914	813
8	31	22	181	2,134	2,168	2,208	-	-	-	-	45	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	3	5	6	-	-	-	-	136	2,084	2,117	1,908	0.381	0.394	0.388	0.380	52	821	822	725
8	31	23	159	1,876	1,906	1,942	-	-	-	-	44	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	5	4	5	-	-	-	-	115	1,816	1,848	1,635	0.372	0.393	0.389	0.373	43	714	719	610
8	31	24	175	2,060	2,091	2,128	-	-	-	-	39	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	3	6	5	-	-	-	-	136	2,017	2,045	1,836	0.370	0.393	0.391	0.371	50	792	799	682
9	1	1	135	1,575	1,589	1,608	-	-	-	-	29	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	12	4	3	-	-	-	-	105	1,535	1,557	1,331	0.371	0.371	0.376	0.371	39	569	586	494
9	1	2	125	1,450	1,456	1,466	-	-	-	-	24	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	11	4	0	-	-	-	-	101	1,414	1,426	1,194	0.370	0.369	0.374	0.368	37	522	534	440
9	1	3	118	1,368	1,365	1,369	-	-	-	-	21	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	7	4	(1)	-	-	-	-	97	1,338	1,339	1,101	0.371	0.369	0.372	0.366	36	493	499	403
9	1	4	114	1,314	1,304	1,301	-	-	-	-	23	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	1	3	-	-	-	-	-	92	1,290	1,278	1,031	0.369	0.372	0.373	0.367	34	480	476	378
9	1	5	114	1,304	1,285	1,274	-	-	-	-	31	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	8	1	(5)	-	-	-	-	83	1,281	1,269	1,017	0.368	0.372	0.374	0.366	31	476	474	372
9	1	6	119	1,356	1,331	1,316	-	-	-	-	32	-	-	-	-	-	-	-	1	103	103	350	-	-	-	-	-	2	7	(5)	-	-	-	-	85	1,251	1,221	971	0.372	0.377	0.376	0.371	32	471	459	360
9	1	7	130	1,483	1,456	1,440	-	-	-	-	29	-	-	-	-	-	-	-	15	925	929	1,179	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	86	563	531	262	0.372	0.381	0.375	0.367	32	215	199	96
9	1	8	139	1,584	1,559	1,548	-	-	-	-	25	-	-	-	-	-	-	-	34	1,774	1,824	2,116	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	80	(180)	(258)	(568)	0.370	0.376	0.372	0.380	30	(68)	(96)	(216)
9	1	9	149	1,703	1,684	1,679	-	-	-	-	19	-	-	-	-	-	-	-	47	2,246	2,346	2,681	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	82	(528)	(651)	(994)	0.372	0.384	0.384	0.176	31	(203)	(250)	(175)
9	1	10	160	1,834	1,817	1,814	-	-	-	-	20	-	-	-	-	-	-	-	55	2,513	2,647	3,015	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	85	(659)	(813)	(1,184)	0.372	0.384	0.384	0.176	31	(253)	(312)	(208)
9	1	11	171	1,972	1,957	1,955	-	-	-	-	23	-	-	-	-	-	-	-	57	2,582	2,724	3,099	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	91	(597)	(754)	(1,128)	0.371	0.384	0.384	0.176	34	(229)	(289)	(198)
9	1	12	181	2,091	2,078	2,078	-	-	-	-	26	-	-	-	-	-	-	-	55	2,414	2,558	2,934	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	101	(314)	(470)	(841)	0.373	0.384	0.384	0.176	38	(121)	(181)	(148)
9	1	13	191	2,208	2,198	2,202	-	-	-	-	32	-	-	-	-	-	-	-	53	2,306	2,447	2,820	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	107	(90)	(240)	(604)	0.374	0.381	0.384	0.168	40	(34)	(92)	(102)
9	1	14	203	2,348	2,343	2,351	-	-	-	-	32	-	-	-	-	-	-	-	45	1,886	2,019	2,386	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	126	465	331	(32)	0.375	0.375	0.377	0.168	47	174	125	(5)
9	1	15	212	2,457	2,457	2,469	-	-	-	-	34	-	-	-	-	-	-	-	40	1,641	1,765	2,123	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	138	817	692	348	0.376	0.374	0.375	0.168	52	306	260	58
9	1	16	220	2,555	2,565	2,587	-	-	-	-	31	-	-	-	-	-	-	-	32	1,341	1,439	1,774	-	-	-	-	-	(1)	(1)	0	-	-	-	-	156	1,216	1,127	812	0.381	0.367	0.370	0.379	60	447	417	308
9	1	17	222	2,591	2,611	2,641	-	-	-	-	33	-	-	-	-	-	-	-	24	1,123	1,184	1,485	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	164	1,470	1,428	1,157	0.389	0.380	0.385	0.374	64	558	550	432
9	1	18	218	2,548	2,575	2,612	-	-	-	-	38	-	-	-	-	-	-	-	8	435	447	705	-	-	-	-	-	(2)	(0)	-	-	-	-	-	171	2,115	2,128	1,908	0.399	0.391	0.395	0.390	68	826	840	743
9	1	19	207	2,433	2,463	2,502	-	-	-	-	43	-	-	-	-	-	-	-	0	38	38	285	-	-	-	-	-	5	10	14	-	-	-	-	165	2,390	2,416	2,203	0.400	0.396	0.401	0.396	66	948	969	873
9	1	20	200	2,356	2,388	2,429	-	-	-	-	42	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	1	1	12	-	-	-	-	158	2,312	2,345	2,127	0.397	0.392	0.398	0.393	63	906	932	837
9	1	21	195	2,294	2,328	2,369	-	-	-	-	38	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	2	2	9	-	-	-	-	157	2,245	2,278	2,066	0.391	0.389	0.390	0.389	61	873	889	804
9	1	22	180	2,127	2,163	2,204	-	-	-	-	41	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	3	5	14	-	-	-	-	139	2,076	2,109	1,894	0.385	0.384	0.387	0.384	54	797	816	728
9	1	23	161	1,896	1,928	1,965	-	-	-	-	40	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	3	6	6	-	-	-	-	121	1,853	1,882	1,672	0.379	0.383	0.385	0.381	46	710	724	637
9	1	24	175	2,054	2,086	2,123	-	-	-	-	39	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	8	9	2	-	-	-	-	135	2,012	2,043	1,839	0.371	0.379	0.381	0.377	50	763	778	694
9	2	1	130	1,517	1,530	1,548	-	-	-	-	29	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	12	4	3	-	-	-	-	101	1,467	1,487	1,260	0.371	0.371	0.376	0.371	37	544	559	467
9	2	2	121	1,406	1,410	1,420	-	-	-	-	24	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	11	4	0	-	-	-	-	97	1,348	1,359	1,125	0.370	0.369	0.374	0.368	36	497	509	414
9	2	3	115	1,335	1,332	1,335	-	-	-	-	21	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	7	4	(1)	-	-	-	-	94	1,285	1,285	1,046	0.371	0.369	0.372	0.366	35	474	479	383
9	2	4	112	1,290	1,279	1,276	-	-	-	-	23	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	1	3	-	-	-	-	-	90	1,268	1,255	1,007	0.369	0.372	0.373	0.367	33	472	468	369
9	2	5	113	1,291	1,271	1,260	-	-	-	-	31	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	8	1	(5)	-	-	-	-	82	1,271	1,258	1,006	0.368	0.372	0.374	0.366	30	472	471	368
9	2	6	118	1,348	1,324	1,308	-	-	-	-	32	-	-	-	-	-	-	-	4	264	264	511	-	-	-	-	-	2	7	(5)	-	-	-	-	82	1,083	1,053	803	0.372	0.377	0.376	0.371	30	408	396	298
9	2	7	129	1,477	1,450	1,434	-	-	-	-	29	-	-	-	-	-	-	-	19	1,161	1,165	1,416	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	82	320	288	19	0.372	0.381	0.375	0.367	30	122	108	7
9	2	8	138	1,579	1,554	1,542	-	-	-	-	25	-	-	-	-	-	-	-	35	1,848	1,899	2,191	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	78	(259)	(338)	(648)	0.370	0.376	0.372	0.380	29	(97)	(126)	(246)
9	2	9	145	1,665	1,645	1,638	-	-	-	-	19	-	-	-	-	-	-	-	47	2,268	2,366	2,701	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	79	(588)	(710)	(1,054)	0.372	0.384	0.384	0.176	29	(226)	(273)	(185)
9	2	10	154	1,765	1,746	1,741	-	-	-	-	20	-	-	-	-	-	-	-	55	2,519	2,650	3,014	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	79	(734)	(886)	(1,256)	0.372	0.384	0.384	0.176	29	(282)	(340)	(221)
9	2	11	163	1,877	1,859	1,855	-	-	-	-	23	-	-	-	-	-	-	-	59	2,630	2,783	3,167	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	81	(741)	(910)	(1,296)	0.371	0.384	0.384	0.176	30	(284)	(350)	(228)
9	2	12	171	1,968	1,952	1,949	-	-	-	-	26	-	-	-	-	-	-	-	61	2,665	2,825	3,215	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	84	(688)	(864)	(1,251)	0.373	0.384	0.384	0.176	31	(264)	(332)	(220)
9	2	13	178	2,051	2,038	2,037	-	-	-	-	32	-	-	-	-	-	-	-	60	2,643	2,800	3,187	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	86	(583)	(753)	(1,136)	0.374	0.381	0.384	0.168	32	(222)	(289)	(191)
9	2	14	186	2,154	2,144	2,148	-	-	-	-	32	-	-	-	-	-	-	-	57	2,559	2,700	3,073	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	98	(401)	(548)	(923)	0.375	0.375	0.377	0.168	37	(150)	(207)	(156)
9	2	15	193	2,235	2,229	2,236	-	-	-	-	34	-	-	-	-	-	-	-	52	2,387	2,514	2,874	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	107	(152)	(284)	(637)	0.376	0.374	0.375	0.168	40	(57)	(107)	(107)
9	2	16	200	2,319	2,322	2,338	-	-	-	-	31	-	-	-	-	-	-	-	39	1,758	1,861	2,200	-	-	-	-	-	(1)	(1)	0	-	-	-	-	129	562	462	138	0.381	0.367	0.370	0.379	49	206	171	52
9	2	17	202	2,353	2,367	2,391	-	-	-	-	33	-	-	-	-	-	-	-	30	1,439	1,503	1,808	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	139	917	865	584	0.389	0.380	0.385	0.374	54	348	333	218
9	2	18	196	2,297	2,318	2,349	-	-	-	-	38	-	-	-	-	-	-	-	9	486	498	755	-	-	-	-	-	(2)	(0)	-	-	-	-	-	149	1,814	1,821	1,593	0.399	0.391	0.395	0.390	60	708	719	621
9	2	19	186	2,179	2,203	2,235	-	-	-	-	43	-	-	-	-	-	-	-	0	46	46	293	-	-	-	-	-	5	10	14	-	-	-	-	143	2,128	2,147	1,928	0.400	0.396	0.401	0.396	57	844	862	764
9	2	20	181	2,121	2,148	2,183	-	-	-	-	42	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	1	1	12	-	-	-	-	139	2,067	2,094	1,871	0.397	0.392	0.398	0.393	55	810	832	736
9	2	21	176	2,072	2,101	2,136	-	-	-	-	38	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	2	2	9	-	-	-	-	138	2,024	2,052	1,833	0.391	0.389	0.390	0.389	54	787	801	714
9	2	22	165	1,947	1,978	2,015	-	-	-	-	41	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	3	5	14	-	-	-	-	124	1,907	1,935	1,716	0.385	0.384	0.387	0.384	48	732	749	659
9	2	23	151	1,782	1,812	1,846	-	-	-	-	40	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	3	6	6	-	-	-	-	111	1,760	1,786	1,573	0.379	0.383	0.385	0.381	42	674	687	600
9	2	24	164	1,929	1,957	1,991	-	-	-	-	39	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	8	9	2	-	-	-	-	125	1,901	1,928	1,722	0.371	0.379	0.381	0.377	46	721	735	650
9	3	1	126	1,478	1,490	1,506	-	-	-	-	29	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	12	4	3	-	-	-	-	97	1,457	1,477	1,248	0.371	0.371	0.376	0.371	36	540	555	463
9	3	2	119	1,379	1,382	1,391	-	-	-	-	24	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	11	4	0	-	-	-	-	95	1,348	1,359	1,125	0.370	0.369	0.374	0.368	35	497	509	414
9	3	3	113	1,303	1,299	1,301	-	-	-	-	21	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	7	4	(1)	-	-	-	-	92	1,286	1,286	1,046	0.371	0.369	0.372	0.366	34	474	479	383
9	3	4	109	1,251	1,239	1,234	-	-	-	-	23	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	3	-	-	-	-	-	86	1,249	1,235	986	0.369	0.372	0.373	0.367	32	465	460	362
9	3	5	107	1,227	1,206	1,193	-	-	-	-	31	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	8	1	(5)	-	-	-	-	76	1,212	1,197	944	0.368	0.372	0.374	0.366	28	450	448	346

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	3	6	108	1,223	1,195	1,176	-	-	-	-	32	-	-	-	-	-	-	-	4	281	281	528	-	-	-	-	-	2	7	(5)	-	-	-	-	71	940	907	654	0.372	0.377	0.376	0.371	26	354	341	242
9	3	7	110	1,251	1,219	1,197	-	-	-	-	29	-	-	-	-	-	-	-	19	1,157	1,161	1,412	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	63	99	61	(214)	0.372	0.381	0.375	0.367	23	38	23	(78)
9	3	8	114	1,295	1,263	1,244	-	-	-	-	25	-	-	-	-	-	-	-	35	1,877	1,930	2,224	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	54	(572)	(660)	(980)	0.370	0.376	0.372	0.380	20	(215)	(246)	(373)
9	3	9	122	1,393	1,366	1,353	-	-	-	-	19	-	-	-	-	-	-	-	48	2,282	2,384	2,722	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	55	(875)	(1,007)	(1,362)	0.372	0.384	0.384	0.176	21	(336)	(387)	(239)
9	3	10	130	1,486	1,461	1,449	-	-	-	-	20	-	-	-	-	-	-	-	56	2,558	2,693	3,061	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	55	(1,051)	(1,214)	(1,595)	0.372	0.384	0.384	0.176	20	(404)	(466)	(281)
9	3	11	137	1,570	1,545	1,532	-	-	-	-	23	-	-	-	-	-	-	-	60	2,673	2,829	3,216	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	54	(1,090)	(1,270)	(1,667)	0.371	0.384	0.384	0.176	20	(419)	(488)	(293)
9	3	12	143	1,635	1,611	1,599	-	-	-	-	26	-	-	-	-	-	-	-	60	2,668	2,826	3,215	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	56	(1,024)	(1,206)	(1,601)	0.373	0.384	0.384	0.176	21	(393)	(463)	(282)
9	3	13	148	1,696	1,675	1,665	-	-	-	-	32	-	-	-	-	-	-	-	54	2,423	2,568	2,945	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	62	(718)	(884)	(1,266)	0.374	0.381	0.384	0.168	23	(273)	(340)	(213)
9	3	14	152	1,749	1,730	1,723	-	-	-	-	32	-	-	-	-	-	-	-	56	2,522	2,664	3,038	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	65	(770)	(927)	(1,313)	0.375	0.375	0.377	0.168	24	(289)	(349)	(221)
9	3	15	157	1,803	1,788	1,783	-	-	-	-	34	-	-	-	-	-	-	-	50	2,270	2,395	2,754	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	73	(466)	(607)	(969)	0.376	0.374	0.375	0.168	28	(174)	(228)	(162)
9	3	16	159	1,841	1,833	1,836	-	-	-	-	31	-	-	-	-	-	-	-	43	1,984	2,086	2,424	-	-	-	-	-	(1)	(1)	0	-	-	-	-	86	(142)	(252)	(588)	0.381	0.367	0.370	0.379	33	(52)	(93)	(222)
9	3	17	160	1,860	1,862	1,874	-	-	-	-	33	-	-	-	-	-	-	-	28	1,344	1,405	1,706	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	99	518	459	168	0.389	0.380	0.385	0.374	39	197	177	63
9	3	18	158	1,847	1,857	1,876	-	-	-	-	38	-	-	-	-	-	-	-	12	712	723	980	-	-	-	-	-	(2)	(0)	-	-	-	-	-	108	1,137	1,134	896	0.399	0.391	0.395	0.390	43	444	448	349
9	3	19	155	1,808	1,824	1,846	-	-	-	-	43	-	-	-	-	-	-	-	0	35	35	282	-	-	-	-	-	5	10	14	-	-	-	-	112	1,768	1,779	1,550	0.400	0.396	0.401	0.396	45	701	714	614
9	3	20	156	1,829	1,849	1,876	-	-	-	-	42	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	1	1	12	-	-	-	-	114	1,785	1,805	1,574	0.397	0.392	0.398	0.393	45	699	717	619
9	3	21	156	1,829	1,852	1,882	-	-	-	-	38	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	2	2	9	-	-	-	-	118	1,779	1,801	1,577	0.391	0.389	0.390	0.389	46	692	703	614
9	3	22	149	1,752	1,779	1,810	-	-	-	-	41	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	3	5	14	-	-	-	-	108	1,719	1,742	1,518	0.385	0.384	0.387	0.384	42	659	674	583
9	3	23	139	1,635	1,661	1,691	-	-	-	-	40	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	3	6	6	-	-	-	-	99	1,594	1,617	1,400	0.379	0.383	0.385	0.381	38	611	622	534
9	3	24	141	1,655	1,677	1,704	-	-	-	-	39	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	8	9	2	-	-	-	-	102	1,593	1,615	1,401	0.371	0.379	0.381	0.377	38	604	615	529
9	4	1	118	1,373	1,382	1,396	-	-	-	-	29	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	12	4	3	-	-	-	-	88	1,306	1,323	1,092	0.371	0.371	0.376	0.371	33	484	498	405
9	4	2	110	1,282	1,283	1,289	-	-	-	-	24	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	11	4	0	-	-	-	-	86	1,226	1,234	997	0.370	0.369	0.374	0.368	32	452	462	367
9	4	3	105	1,217	1,211	1,211	-	-	-	-	21	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	7	4	(1)	-	-	-	-	84	1,165	1,163	920	0.371	0.369	0.372	0.366	31	430	433	337
9	4	4	102	1,173	1,160	1,153	-	-	-	-	23	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	1	3	-	-	-	-	-	80	1,129	1,114	863	0.369	0.372	0.373	0.367	29	420	415	316
9	4	5	101	1,147	1,125	1,110	-	-	-	-	31	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	8	1	(5)	-	-	-	-	70	1,097	1,081	825	0.368	0.372	0.374	0.366	26	408	404	302
9	4	6	100	1,137	1,108	1,087	-	-	-	-	32	-	-	-	-	-	-	-	3	213	213	460	-	-	-	-	-	2	7	(5)	-	-	-	-	65	922	887	632	0.372	0.377	0.376	0.371	24	347	333	234
9	4	7	102	1,154	1,119	1,095	-	-	-	-	29	-	-	-	-	-	-	-	17	1,054	1,058	1,309	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	57	104	65	(213)	0.372	0.381	0.375	0.367	21	40	24	(78)
9	4	8	104	1,176	1,142	1,119	-	-	-	-	25	-	-	-	-	-	-	-	35	1,840	1,893	2,187	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	45	(655)	(745)	(1,067)	0.370	0.376	0.372	0.380	16	(246)	(277)	(406)
9	4	9	111	1,259	1,229	1,213	-	-	-	-	19	-	-	-	-	-	-	-	48	2,274	2,377	2,716	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	44	(1,000)	(1,137)	(1,495)	0.372	0.384	0.384	0.176	17	(384)	(436)	(263)
9	4	10	118	1,340	1,311	1,296	-	-	-	-	20	-	-	-	-	-	-	-	56	2,567	2,706	3,078	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	42	(1,208)	(1,378)	(1,766)	0.372	0.384	0.384	0.176	16	(464)	(529)	(311)
9	4	11	123	1,398	1,369	1,352	-	-	-	-	23	-	-	-	-	-	-	-	60	2,686	2,846	3,237	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	39	(1,275)	(1,464)	(1,868)	0.371	0.384	0.384	0.176	15	(490)	(562)	(329)
9	4	12	127	1,445	1,416	1,400	-	-	-	-	26	-	-	-	-	-	-	-	59	2,541	2,710	3,109	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	42	(1,087)	(1,285)	(1,695)	0.373	0.384	0.384	0.176	16	(417)	(493)	(298)
9	4	13	131	1,492	1,465	1,450	-	-	-	-	32	-	-	-	-	-	-	-	50	2,052	2,217	2,612	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	49	(552)	(743)	(1,147)	0.374	0.381	0.384	0.168	18	(210)	(285)	(193)
9	4	14	134	1,531	1,507	1,494	-	-	-	-	32	-	-	-	-	-	-	-	44	1,781	1,933	2,316	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	58	(246)	(418)	(819)	0.375	0.375	0.377	0.168	22	(92)	(158)	(138)
9	4	15	137	1,573	1,551	1,541	-	-	-	-	34	-	-	-	-	-	-	-	42	1,803	1,934	2,299	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	61	(229)	(382)	(757)	0.376	0.374	0.375	0.168	23	(86)	(144)	(127)
9	4	16	140	1,614	1,601	1,598	-	-	-	-	31	-	-	-	-	-	-	-	28	1,142	1,238	1,571	-	-	-	-	-	(1)	(1)	0	-	-	-	-	82	473	364	28	0.381	0.367	0.370	0.379	31	174	135	10
9	4	17	142	1,647	1,644	1,650	-	-	-	-	33	-	-	-	-	-	-	-	19	881	936	1,233	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	90	769	710	418	0.389	0.380	0.385	0.374	35	292	273	156
9	4	18	142	1,653	1,659	1,672	-	-	-	-	38	-	-	-	-	-	-	-	6	419	429	684	-	-	-	-	-	(2)	(0)	-	-	-	-	-	97	1,236	1,230	989	0.399	0.391	0.395	0.390	39	483	486	385
9	4	19	141	1,643	1,654	1,673	-	-	-	-	43	-	-	-	-	-	-	-	0	101	101	348	-	-	-	-	-	5	10	14	-	-	-	-	98	1,538	1,544	1,312	0.400	0.396	0.401	0.396	39	610	620	519
9	4	20	146	1,711	1,729	1,752	-	-	-	-	42	-	-	-	-	-	-	-	-	89	89	336	-	-	-	-	-	1	1	12	-	-	-	-	104	1,622	1,639	1,405	0.397	0.392	0.398	0.393	41	635	651	553
9	4	21	148	1,737	1,758	1,785	-	-	-	-	38	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	2	2	9	-	-	-	-	110	1,643	1,663	1,436	0.391	0.389	0.390	0.389	43	639	649	559
9	4	22	142	1,672	1,696	1,726	-	-	-	-	41	-	-	-	-	-	-	-	-	88	88	335	-	-	-	-	-	3	5	14	-	-	-	-	101	1,581	1,602	1,376	0.385	0.384	0.387	0.384	39	606	620	529
9	4	23	133	1,560	1,584	1,612	-	-	-	-	40	-	-	-	-	-	-	-	-	81	81	328	-	-	-	-	-	3	6	6	-	-	-	-	93	1,477	1,498	1,279	0.379	0.383	0.385	0.381	35	566	576	488
9	4	24	128	1,505	1,523	1,545	-	-	-	-	39	-	-	-	-	-	-	-	-	67	67	314	-	-	-	-	-	8	9	2	-	-	-	-	89	1,430	1,447	1,230	0.371	0.379	0.381	0.377	33	542	552	464
9	5	1	112	1,302	1,310	1,322	-	-	-	-	29	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	12	4	3	-	-	-	-	82	1,230	1,245	1,012	0.371	0.371	0.376	0.371	31	456	468	375
9	5	2	105	1,215	1,214	1,219	-	-	-	-	24	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	11	4	0	-	-	-	-	81	1,141	1,147	909	0.370	0.369	0.374	0.368	30	421	429	334
9	5	3	102	1,173	1,166	1,165	-	-	-	-	21	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	7	4	(1)	-	-	-	-	81	1,100	1,096	853	0.371	0.369	0.372	0.366	30	406	408	312
9	5	4	99	1,140	1,125	1,118	-	-	-	-	23	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	1	3	-	-	-	-	-	77	1,082	1,065	814	0.369	0.372	0.373	0.367	28	402	397	298
9	5	5	99	1,123	1,100	1,084	-	-	-	-	31	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	8	1	(5)	-	-	-	-	68	1,068	1,051	795	0.368	0.372	0.374	0.366	25	397	393	291
9	5	6	99	1,119	1,089	1,068	-	-	-	-	32	-	-	-	-	-	-	-	4	265	265	512	-	-	-	-	-	2	7	(5)	-	-	-	-	63	853	817	561	0.372	0.377	0.376	0.371	23	321	307	208
9	5	7	101	1,138	1,103	1,078	-	-	-	-	29	-	-	-	-	-	-	-	20	1,221	1,225	1,475	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	52	(78)	(118)	(396)	0.372	0.381	0.375	0.367	19	(30)	(44)	(145)
9	5	8	104	1,168	1,134	1,111	-	-	-	-	25	-	-	-	-	-	-	-	36	1,908	1,960	2,253	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	43	(730)	(819)	(1,141)	0.370	0.376	0.372	0.380	16	(274)	(305)	(434)
9	5	9	111	1,255	1,225	1,209	-	-	-	-	19	-	-	-	-	-	-	-	48	2,313	2,416	2,756	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	44	(1,043)	(1,180)	(1,540)	0.372	0.384	0.384	0.176	16	(400)	(453)	(271)
9	5	10	119	1,353	1,324	1,309	-	-	-	-	20	-	-	-	-	-	-	-	57	2,624	2,765	3,138	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	42	(1,252)	(1,424)	(1,813)	0.372	0.384	0.384	0.176	16	(481)	(547)	(319)
9	5	11	126	1,433	1,405	1,389	-	-	-	-	23	-	-	-	-	-	-	-	62	2,763	2,927	3,321	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	41	(1,318)	(1,508)	(1,915)	0.371	0.384	0.384	0.176	15	(506)	(579)	(337)
9	5	12	131	1,496	1,468	1,453	-	-	-	-	26	-	-	-	-	-	-	-	62	2,712	2,886	3,290	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	43	(1,207)	(1,409)	(1,822)	0.373	0.384	0.384	0.176	16	(464)	(541)	(320)
9	5	13	136	1,549	1,524	1,510	-	-	-	-	32	-	-	-	-	-	-	-	60	2,581	2,752	3,153	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	44	(1,024)	(1,220)	(1,629)	0.374	0.381	0.384	0.168	16	(390)	(468)	(274)
9	5	14	139	1,596	1,573	1,561	-	-	-	-	32	-	-	-	-	-	-	-	62	2,735	2,902	3,299	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	46	(1,136)	(1,322)	(1,735)	0.375	0.375	0.377	0.168	17	(426)	(498)	(292)
9	5	15	143	1,637	1,617	1,608	-	-	-	-	34	-	-	-	-	-	-	-	57	2,522	2,671	3,051	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	52	(884)	(1,053)	(1,441)	0.376	0.374	0.375	0.168	20	(331)	(395)	(242)
9	5	16	146	1,684	1,672	1,672	-	-	-	-	31	-	-	-	-	-	-	-	49	2,267	2,384	2,736	-	-	-	-	-	(1)	(1)	0	-	-	-	-	66	(582)	(710)	(1,064)	0.381	0.367	0.370	0.379	25	(214)	(263)	(403)
9	5	17	148	1,719	1,717	1,725	-	-	-	-	33	-	-	-	-	-	-	-	33	1,600	1,667	1,974	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	83	120	51	(249)	0.389	0.380	0.385	0.374	32	46	20	(93)
9	5	18	149	1,740	1,748	1,763	-	-	-	-	38	-	-	-	-	-	-	-	13	793	803	1,059	-	-	-	-	-	(2)	(0)	-	-	-	-	-	98	950	945	705	0.399	0.391	0.395	0.390	39	371	373	275
9	5	19	149	1,738	1,751	1,772	-	-	-	-	43	-	-	-	-	-	-	-	0	65	65	312	-	-	-	-	-	5	10	14	-	-	-	-	106	1,668	1,677	1,446	0.400	0.396	0.401	0.396	42	661	673	573
9	5	20	154	1,809	1,829	1,855	-	-	-	-	42	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	1	1	12	-	-	-	-	112	1,746	1,765	1,534	0.397	0.392	0.398	0.393	45	684	702	603
9	5	21	156	1,828	1,851	1,880	-	-	-	-	38	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	2	2	9	-	-	-	-	118	1,775	1,797	1,573	0.391	0.389	0.390	0.389	46	690	702	612
9	5	22	147	1,730	1,756	1,787	-	-	-	-	41	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	3	5	14	-	-	-	-	106	1,683	1,706	1,481	0.385	0.384	0.387	0.384	41	646	660	569
9	5	23	134	1,580	1,604	1,633	-	-	-	-	40	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	3	6	6	-	-	-	-	94	1,544	1,565	1,347	0.379	0.383	0.385	0.381	36	592	602	513
9	5	24	131	1,538	1,557	1,580	-	-	-	-	39	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	8	9	2	-	-	-	-	92	1,501	1,519	1,303	0.371	0.379	0.381	0.377	34	569	579	492
9	6	1	110	1,288	1,295	1,307	-	-	-	-	29	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	12	4	3	-	-	-	-	81	1,252	1,267	1,033	0.371	0.371	0.376	0.371	30	464	476	383
9	6	2	104	1,206	1,206	1,210	-	-	-	-	24	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	11	4	0	-	-	-	-	80	1,179	1,185	947	0.370	0.369	0.374	0.368	30	435	444	348
9	6	3	100	1,156	1,148	1,147	-	-	-	-	21	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	7	4	(1)	-	-	-	-	79	1,142	1,138	894	0.371	0.369	0.372	0.366	29	421	424	327
9	6	4	99	1,131	1,117	1,109	-	-	-	-	23	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	3	-	-	-	-	-	76	1,129	1,113	861	0.369	0.372	0.373	0.367	28	420	415	316
9	6	5	101	1,151	1,128	1,113	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	1	(5)	-	-	-	-	70	1,143	1,127	871	0.368	0.372	0.374	0.366	26	425	421	319
9	6	6	107	1,220	1,192	1,173	-	-	-	-	32	-	-	-	-	-	-	-	4	243	243	490	-	-	-	-	-	2	7	(5)	-	-	-	-	71	975	941	688	0.372	0.377	0.376	0.371	26	367	354	255
9	6	7	119	1,351	1,321	1,302	-	-	-	-	29	-	-	-	-	-	-	-	19	1,196	1,200	1,451	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	70	159	124	(149)	0.372	0.381	0.375	0.367	26	61	47	(55)
9	6	8	127	1,447	1,419	1,404	-	-	-	-	25	-	-	-	-	-	-	-	36	1,909	1,962	2,257	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	66	(452)	(536)	(852)	0.370	0.376	0.372	0.380	24	(170)	(200)	(324)
9	6	9	135	1,538	1,515	1,506	-	-	-	-	19	-	-	-	-	-	-	-	49	2,343	2,444	2,783	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	67	(789)	(918)	(1,269)	0.372	0.384	0.384	0.176	25	(303)	(353)	(223)
9	6	10	143	1,639	1,617	1,610	-	-	-	-	20	-	-	-	-	-	-	-	58	2,624	2,763	3,134	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	66	(965)	(1,128)	(1,508)	0.372	0.384	0.384	0.176	25	(371)	(433)	(265)
9	6	11	151	1,733	1,712	1,704	-	-	-	-	23	-	-	-	-	-	-	-	62	2,739	2,900	3,290	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	66	(994)	(1,174)	(1,570)	0.371	0.384	0.384	0.176	25	(382)	(451)	(276)
9	6	12	157	1,804	1,784	1,776	-	-	-	-	26	-	-	-	-	-	-	-	64	2,784	2,955	3,356	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	67	(971)	(1,162)	(1,565)	0.373	0.384	0.384	0.176	25	(373)	(446)	(275)
9	6	13	163	1,868	1,850	1,845	-	-	-	-	32	-	-	-	-	-	-	-	64	2,771	2,944	3,346	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	67	(895)	(1,085)	(1,488)	0.374	0.381	0.384	0.168	25	(341)	(417)	(250)
9	6	14	169	1,943	1,928	1,926	-	-	-	-	32	-	-	-	-	-	-	-	62	2,700	2,866	3,262	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	75	(753)	(930)	(1,333)	0.375	0.375	0.377	0.168	28	(282)	(351)	(225)
9	6	15	175	2,017	2,006	2,007	-	-	-	-	34	-	-	-	-	-	-	-	57	2,514	2,662	3,042	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	84	(496)	(656)	(1,033)	0.376	0.374	0.375	0.168	32	(186)	(246)	(173)
9	6	16	181	2,093	2,091	2,100	-	-	-	-	31	-	-	-	-	-	-	-	49	2,255	2,370	2,721	-	-	-	-	-	(1)	(1)	0	-	-	-	-	101	(161)	(278)	(621)	0.381	0.367	0.370	0.379	38	(59)	(103)	(235)
9	6	17	183	2,134	2,143	2,161	-	-	-	-	33	-	-	-	-	-	-	-	33	1,664	1,730	2,036	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	117	472	414	126	0.389	0.380	0.385	0.374	45	179	159	47
9	6	18	181	2,116	2,133	2,158	-	-	-	-	38	-	-	-	-	-	-	-	13	830	839	1,094	-	-	-	-	-	(2)	(0)	-	-	-	-	-	129	1,288	1,294	1,064	0.399	0.391	0.395	0.390	52	503	511	415
9	6	19	177	2,068	2,090	2,119	-	-	-	-	43	-	-	-	-	-	-	-	0	48	48	295	-	-	-	-	-	5	10	14	-	-	-	-	134	2,015	2,032	1,810	0.400	0.396	0.401	0.396	54	799	815	717
9	6	20	179	2,096	2,122	2,156	-	-	-	-	42	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	1	1	12	-	-	-	-	137	2,051	2,078	1,853	0.397	0.392	0.398	0.393	54	804	826	729
9	6	21	176	2,071	2,100	2,135	-	-	-	-	38	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	2	2	9	-	-	-	-	138	2,036	2,064	1,845	0.391	0.389	0.390	0.389	54	792	806	718
9	6	22	164	1,931	1,962	1,998	-	-	-	-	41	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	3	5	14	-	-	-	-	123	1,899	1,927	1,707	0.385	0.384	0.387	0.384	47	729	746	656
9	6	23	147	1,735	1,763	1,796	-	-	-	-	40	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	3	6	6	-	-	-	-	108	1,702	1,727	1,513	0.379	0.383	0.385	0.381	41	652	664	577
9	6	24	151	1,781	1,805	1,835	-	-	-	-	39	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	8	9	2	-	-	-	-	112	1,742	1,766	1,555	0.371	0.379	0.381	0.377	42	660	673	587
9	7	1	120	1,406	1,416	1,431	-	-	-	-	29	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	12	4	3	-	-	-	-	91	1,370	1,387	1,157	0.371	0.371	0.376	0.371	34	508	522	429
9	7	2	113	1,312	1,313	1,320	-	-	-	-	24	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	11	4	0	-	-	-	-	89	1,290	1,299	1,063	0.370	0.369	0.374	0.368	33	476	486	391
9	7	3	108	1,249	1,244	1,245	-	-	-	-	21	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	7	4	(1)	-	-	-	-	87	1,241	1,239	998	0.371	0.369	0.372	0.366	32	458	461	365
9	7	4	105	1,212	1,200	1,194	-	-	-	-	23	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	1	3	-	-	-	-	-	83	1,211	1,197	947	0.369	0.372	0.373	0.367	31	451	446	347
9	7	5	106	1,208	1,187	1,173	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	1	(5)	-	-	-	-	75	1,200	1,185	931	0.368	0.372	0.374	0.366	28	446	443	341
9	7	6	111	1,267	1,241	1,223	-	-	-	-	32	-	-	-	-	-	-	-	3	190	190	437	-	-	-	-	-	2	7	(5)	-	-	-	-	76	1,076	1,044	792	0.372	0.377	0.376	0.371	28	405	392	294
9	7	7	124	1,409	1,381	1,363	-	-	-	-	29	-	-	-	-	-	-	-	19	1,185	1,189	1,440	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	75	229	195	(77)	0.372	0.381	0.375	0.367	28	87	73	(28)
9	7	8	132	1,500	1,474	1,460	-	-	-	-	25	-	-	-	-	-	-	-	36	1,868	1,919	2,212	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	71	(357)	(439)	(752)	0.370	0.376	0.372	0.380	26	(134)	(163)	(286)
9	7	9	139	1,594	1,572	1,564	-	-	-	-	19	-	-	-	-	-	-	-	48	2,319	2,420	2,758	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	72	(710)	(837)	(1,185)	0.372	0.384	0.384	0.176	27	(273)	(321)	(208)
9	7	10	148	1,699	1,678	1,672	-	-	-	-	20	-	-	-	-	-	-	-	57	2,567	2,707	3,079	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	72	(848)	(1,011)	(1,391)	0.372	0.384	0.384	0.176	27	(326)	(388)	(245)
9	7	11	157	1,799	1,779	1,772	-	-	-	-	23	-	-	-	-	-	-	-	62	2,708	2,871	3,264	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	72	(896)	(1,078)	(1,476)	0.371	0.384	0.384	0.176	27	(344)	(414)	(260)
9	7	12	164	1,884	1,866	1,860	-	-	-	-	26	-	-	-	-	-	-	-	64	2,742	2,917	3,320	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	74	(849)	(1,042)	(1,445)	0.373	0.384	0.384	0.176	28	(326)	(400)	(254)
9	7	13	169	1,950	1,934	1,931	-	-	-	-	32	-	-	-	-	-	-	-	64	2,756	2,932	3,337	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	74	(797)	(989)	(1,392)	0.374	0.381	0.384	0.168	28	(303)	(380)	(234)
9	7	14	176	2,035	2,022	2,022	-	-	-	-	32	-	-	-	-	-	-	-	62	2,692	2,860	3,258	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	83	(653)	(830)	(1,233)	0.375	0.375	0.377	0.168	31	(245)	(313)	(208)
9	7	15	182	2,104	2,095	2,098	-	-	-	-	34	-	-	-	-	-	-	-	58	2,549	2,699	3,080	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	91	(445)	(604)	(981)	0.376	0.374	0.375	0.168	34	(166)	(227)	(164)
9	7	16	187	2,163	2,162	2,174	-	-	-	-	31	-	-	-	-	-	-	-	48	2,212	2,329	2,681	-	-	-	-	-	(1)	(1)	0	-	-	-	-	107	(47)	(165)	(507)	0.381	0.367	0.370	0.379	41	(17)	(61)	(192)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	7	17	188	2,195	2,205	2,225	-	-	-	-	33	-	-	-	-	-	-	-	32	1,519	1,585	1,891	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	124	678	621	334	0.389	0.380	0.385	0.374	48	257	239	125
9	7	18	185	2,162	2,179	2,206	-	-	-	-	38	-	-	-	-	-	-	-	12	675	684	939	-	-	-	-	-	(2)	(0)	-	-	-	-	-	135	1,490	1,496	1,267	0.399	0.391	0.395	0.390	54	582	591	494
9	7	19	179	2,096	2,117	2,147	-	-	-	-	43	-	-	-	-	-	-	-	0	39	39	286	-	-	-	-	-	5	10	14	-	-	-	-	136	2,052	2,069	1,848	0.400	0.396	0.401	0.396	55	814	830	732
9	7	20	179	2,104	2,130	2,164	-	-	-	-	42	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	1	1	12	-	-	-	-	137	2,054	2,080	1,856	0.397	0.392	0.398	0.393	54	805	827	730
9	7	21	176	2,066	2,095	2,130	-	-	-	-	38	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	2	2	9	-	-	-	-	138	2,018	2,046	1,827	0.391	0.389	0.390	0.389	54	785	798	711
9	7	22	164	1,934	1,965	2,001	-	-	-	-	41	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	3	5	14	-	-	-	-	123	1,895	1,923	1,704	0.385	0.384	0.387	0.384	47	727	744	655
9	7	23	148	1,743	1,771	1,804	-	-	-	-	40	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	3	6	6	-	-	-	-	108	1,713	1,738	1,524	0.379	0.383	0.385	0.381	41	656	668	581
9	7	24	157	1,841	1,867	1,899	-	-	-	-	39	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	8	9	2	-	-	-	-	117	1,811	1,836	1,627	0.371	0.379	0.381	0.377	44	687	700	614
9	8	1	122	1,427	1,438	1,453	-	-	-	-	29	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	12	4	3	-	-	-	-	93	1,396	1,414	1,184	0.371	0.371	0.376	0.371	34	517	532	439
9	8	2	115	1,334	1,336	1,344	-	-	-	-	24	-	-	-	-	-	-	-	-	17	17	264	-	-	-	-	-	11	4	0	-	-	-	-	91	1,306	1,315	1,080	0.370	0.369	0.374	0.368	34	482	492	397
9	8	3	110	1,271	1,266	1,267	-	-	-	-	21	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	7	4	(1)	-	-	-	-	89	1,252	1,251	1,010	0.371	0.369	0.372	0.366	33	462	466	370
9	8	4	108	1,238	1,225	1,220	-	-	-	-	23	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	1	3	-	-	-	-	-	85	1,232	1,218	969	0.369	0.372	0.373	0.367	31	458	454	355
9	8	5	109	1,243	1,222	1,209	-	-	-	-	31	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	8	1	(5)	-	-	-	-	78	1,233	1,219	965	0.368	0.372	0.374	0.366	29	458	456	354
9	8	6	115	1,308	1,282	1,265	-	-	-	-	32	-	-	-	-	-	-	-	4	223	223	470	-	-	-	-	-	2	7	(5)	-	-	-	-	79	1,083	1,052	801	0.372	0.377	0.376	0.371	29	408	395	297
9	8	7	127	1,446	1,418	1,401	-	-	-	-	29	-	-	-	-	-	-	-	19	1,176	1,180	1,431	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	79	275	242	(29)	0.372	0.381	0.375	0.367	29	105	91	(11)
9	8	8	134	1,535	1,509	1,496	-	-	-	-	25	-	-	-	-	-	-	-	36	1,862	1,916	2,211	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	74	(317)	(400)	(715)	0.370	0.376	0.372	0.380	27	(119)	(149)	(272)
9	8	9	141	1,614	1,593	1,585	-	-	-	-	19	-	-	-	-	-	-	-	48	2,273	2,377	2,717	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	74	(644)	(773)	(1,124)	0.372	0.384	0.384	0.176	28	(247)	(297)	(198)
9	8	10	150	1,719	1,699	1,693	-	-	-	-	20	-	-	-	-	-	-	-	57	2,603	2,744	3,118	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	73	(864)	(1,028)	(1,409)	0.372	0.384	0.384	0.176	27	(332)	(395)	(248)
9	8	11	159	1,821	1,802	1,796	-	-	-	-	23	-	-	-	-	-	-	-	62	2,728	2,891	3,284	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	74	(895)	(1,076)	(1,473)	0.371	0.384	0.384	0.176	27	(344)	(413)	(259)
9	8	12	166	1,905	1,887	1,882	-	-	-	-	26	-	-	-	-	-	-	-	63	2,745	2,918	3,321	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	76	(830)	(1,022)	(1,424)	0.373	0.384	0.384	0.176	28	(319)	(392)	(250)
9	8	13	171	1,967	1,951	1,948	-	-	-	-	32	-	-	-	-	-	-	-	63	2,734	2,908	3,311	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	76	(759)	(948)	(1,349)	0.374	0.381	0.384	0.168	28	(289)	(364)	(227)
9	8	14	177	2,044	2,032	2,032	-	-	-	-	32	-	-	-	-	-	-	-	60	2,647	2,804	3,191	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	85	(599)	(765)	(1,156)	0.375	0.375	0.377	0.168	32	(225)	(288)	(195)
9	8	15	182	2,105	2,096	2,099	-	-	-	-	34	-	-	-	-	-	-	-	57	2,522	2,666	3,042	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	92	(416)	(570)	(942)	0.376	0.374	0.375	0.168	35	(156)	(214)	(158)
9	8	16	186	2,161	2,161	2,172	-	-	-	-	31	-	-	-	-	-	-	-	48	2,207	2,322	2,672	-	-	-	-	-	(1)	(1)	0	-	-	-	-	107	(44)	(160)	(500)	0.381	0.367	0.370	0.379	41	(16)	(59)	(189)
9	8	17	187	2,183	2,192	2,212	-	-	-	-	33	-	-	-	-	-	-	-	33	1,599	1,665	1,971	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	121	586	529	241	0.389	0.380	0.385	0.374	47	222	203	90
9	8	18	184	2,151	2,168	2,194	-	-	-	-	38	-	-	-	-	-	-	-	12	716	725	979	-	-	-	-	-	(2)	(0)	-	-	-	-	-	134	1,437	1,443	1,215	0.399	0.391	0.395	0.390	53	561	570	473
9	8	19	178	2,080	2,101	2,131	-	-	-	-	43	-	-	-	-	-	-	-	0	29	29	276	-	-	-	-	-	5	10	14	-	-	-	-	135	2,046	2,063	1,841	0.400	0.396	0.401	0.396	54	811	828	729
9	8	20	179	2,097	2,123	2,156	-	-	-	-	42	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	1	1	12	-	-	-	-	137	2,064	2,090	1,866	0.397	0.392	0.398	0.393	54	809	831	734
9	8	21	176	2,069	2,097	2,132	-	-	-	-	38	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	2	2	9	-	-	-	-	138	2,026	2,054	1,835	0.391	0.389	0.390	0.389	54	788	802	714
9	8	22	165	1,939	1,970	2,006	-	-	-	-	41	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	3	5	14	-	-	-	-	124	1,903	1,931	1,711	0.385	0.384	0.387	0.384	48	730	747	657
9	8	23	149	1,751	1,779	1,812	-	-	-	-	40	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	3	6	6	-	-	-	-	109	1,707	1,732	1,518	0.379	0.383	0.385	0.381	41	654	666	579
9	8	24	158	1,859	1,886	1,917	-	-	-	-	39	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	8	9	2	-	-	-	-	119	1,812	1,838	1,630	0.371	0.379	0.381	0.377	44	687	700	615
9	9	1	122	1,427	1,438	1,453	-	-	-	-	29	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	12	4	3	-	-	-	-	93	1,391	1,409	1,179	0.371	0.371	0.376	0.371	34	516	530	437
9	9	2	115	1,333	1,335	1,343	-	-	-	-	24	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	11	4	0	-	-	-	-	91	1,312	1,322	1,086	0.370	0.369	0.374	0.368	34	484	495	400
9	9	3	110	1,268	1,263	1,265	-	-	-	-	21	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	7	4	(1)	-	-	-	-	89	1,257	1,256	1,015	0.371	0.369	0.372	0.366	33	464	468	371
9	9	4	107	1,229	1,217	1,211	-	-	-	-	23	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	1	3	-	-	-	-	-	84	1,224	1,210	961	0.369	0.372	0.373	0.367	31	456	451	352
9	9	5	108	1,231	1,210	1,197	-	-	-	-	31	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	8	1	(5)	-	-	-	-	77	1,221	1,207	953	0.368	0.372	0.374	0.366	28	454	451	349
9	9	6	114	1,296	1,269	1,252	-	-	-	-	32	-	-	-	-	-	-	-	2	134	134	381	-	-	-	-	-	2	7	(5)	-	-	-	-	79	1,160	1,129	877	0.372	0.377	0.376	0.371	29	437	424	325
9	9	7	126	1,437	1,409	1,392	-	-	-	-	29	-	-	-	-	-	-	-	16	987	991	1,242	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	81	454	421	151	0.372	0.381	0.375	0.367	30	173	158	55
9	9	8	135	1,547	1,521	1,508	-	-	-	-	25	-	-	-	-	-	-	-	35	1,799	1,853	2,148	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	76	(243)	(325)	(639)	0.370	0.376	0.372	0.380	28	(91)	(121)	(243)
9	9	9	141	1,618	1,596	1,589	-	-	-	-	19	-	-	-	-	-	-	-	48	2,250	2,353	2,693	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	75	(618)	(746)	(1,096)	0.372	0.384	0.384	0.176	28	(237)	(287)	(193)
9	9	10	149	1,708	1,687	1,681	-	-	-	-	20	-	-	-	-	-	-	-	56	2,533	2,672	3,044	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	73	(805)	(967)	(1,346)	0.372	0.384	0.384	0.176	27	(309)	(371)	(237)
9	9	11	157	1,800	1,779	1,773	-	-	-	-	23	-	-	-	-	-	-	-	61	2,661	2,822	3,214	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	73	(849)	(1,029)	(1,425)	0.371	0.384	0.384	0.176	27	(326)	(395)	(251)
9	9	12	164	1,880	1,861	1,855	-	-	-	-	26	-	-	-	-	-	-	-	62	2,691	2,859	3,258	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	76	(802)	(989)	(1,387)	0.373	0.384	0.384	0.176	28	(308)	(380)	(244)
9	9	13	169	1,946	1,930	1,926	-	-	-	-	32	-	-	-	-	-	-	-	62	2,679	2,845	3,242	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	76	(724)	(907)	(1,301)	0.374	0.381	0.384	0.168	28	(276)	(348)	(219)
9	9	14	177	2,041	2,028	2,028	-	-	-	-	32	-	-	-	-	-	-	-	56	2,413	2,573	2,964	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	89	(369)	(538)	(933)	0.375	0.375	0.377	0.168	33	(138)	(203)	(157)
9	9	15	184	2,120	2,111	2,115	-	-	-	-	34	-	-	-	-	-	-	-	51	2,181	2,323	2,698	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	99	(60)	(211)	(581)	0.376	0.374	0.375	0.168	37	(22)	(79)	(97)
9	9	16	189	2,189	2,189	2,201	-	-	-	-	31	-	-	-	-	-	-	-	47	2,181	2,296	2,645	-	-	-	-	-	(1)	(1)	0	-	-	-	-	110	9	(106)	(445)	0.381	0.367	0.370	0.379	42	3	(39)	(168)
9	9	17	190	2,213	2,223	2,243	-	-	-	-	33	-	-	-	-	-	-	-	33	1,636	1,702	2,008	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	124	578	522	236	0.389	0.380	0.385	0.374	48	220	201	88
9	9	18	186	2,170	2,187	2,214	-	-	-	-	38	-	-	-	-	-	-	-	10	632	639	892	-	-	-	-	-	(2)	(0)	-	-	-	-	-	137	1,541	1,549	1,322	0.399	0.391	0.395	0.390	55	602	611	515
9	9	19	178	2,084	2,105	2,135	-	-	-	-	43	-	-	-	-	-	-	-	0	52	52	299	-	-	-	-	-	5	10	14	-	-	-	-	135	2,026	2,043	1,822	0.400	0.396	0.401	0.396	54	803	820	721
9	9	20	177	2,077	2,102	2,135	-	-	-	-	42	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	1	1	12	-	-	-	-	135	2,002	2,027	1,802	0.397	0.392	0.398	0.393	54	784	806	709
9	9	21	173	2,033	2,060	2,095	-	-	-	-	38	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	2	2	9	-	-	-	-	135	1,962	1,989	1,769	0.391	0.389	0.390	0.389	53	763	776	689
9	9	22	163	1,916	1,947	1,982	-	-	-	-	41	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	3	5	14	-	-	-	-	122	1,840	1,867	1,647	0.385	0.384	0.387	0.384	47	706	723	633
9	9	23	149	1,757	1,785	1,818	-	-	-	-	40	-	-	-	-	-	-	-	-	78	78	325	-	-	-	-	-	3	6	6	-	-	-	-	109	1,676	1,702	1,488	0.379	0.383	0.385	0.381	41	642	654	567
9	9	24	157	1,847	1,873	1,905	-	-	-	-	39	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	8	9	2	-	-	-	-	118	1,768	1,794	1,585	0.371	0.379	0.381	0.377	44	671	684	598
9	10	1	123	1,438	1,449	1,464	-	-	-	-	29	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	12	4	3	-	-	-	-	94	1,363	1,381	1,151	0.371	0.371	0.376	0.371	35	505	519	427
9	10	2	115	1,334	1,336	1,344	-	-	-	-	24	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	11	4	0	-	-	-	-	91	1,268	1,278	1,042	0.370	0.369	0.374	0.368	34	468	478	384
9	10	3	108	1,254	1,249	1,249	-	-	-	-	21	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	7	4	(1)	-	-	-	-	88	1,201	1,199	958	0.371	0.369	0.372	0.366	32	443	447	350
9	10	4	105	1,206	1,194	1,188	-	-	-	-	23	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	1	3	-	-	-	-	-	82	1,168	1,153	904	0.369	0.372	0.373	0.367	30	435	430	331
9	10	5	104	1,187	1,165	1,150	-	-	-	-	31	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	8	1	(5)	-	-	-	-	73	1,145	1,129	875	0.368	0.372	0.374	0.366	27	425	422	320
9	10	6	105	1,197	1,168	1,149	-	-	-	-	32	-	-	-	-	-	-	-	3	195	195	442	-	-	-	-	-	2	7	(5)	-	-	-	-	70	1,001	967	713	0.372	0.377	0.376	0.371	26	377	363	264
9	10	7	109	1,232	1,199	1,177	-	-	-	-	29	-	-	-	-	-	-	-	18	1,099	1,103	1,354	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	62	138	100	(176)	0.372	0.381	0.375	0.367	23	52	37	(65)
9	10	8	113	1,285	1,254	1,234	-	-	-	-	25	-	-	-	-	-	-	-	32	1,670	1,723	2,018	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	56	(375)	(463)	(783)	0.370	0.376	0.372	0.380	21	(141)	(172)	(298)
9	10	9	123	1,400	1,373	1,360	-	-	-	-	19	-	-	-	-	-	-	-	48	2,269	2,372	2,711	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	56	(855)	(988)	(1,343)	0.372	0.384	0.384	0.176	21	(328)	(379)	(236)
9	10	10	132	1,510	1,485	1,474	-	-	-	-	20	-	-	-	-	-	-	-	55	2,493	2,629	2,997	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	58	(963)	(1,126)	(1,507)	0.372	0.384	0.384	0.176	21	(370)	(432)	(265)
9	10	11	141	1,612	1,588	1,577	-	-	-	-	23	-	-	-	-	-	-	-	58	2,576	2,730	3,114	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	60	(951)	(1,128)	(1,521)	0.371	0.384	0.384	0.176	22	(365)	(433)	(268)
9	10	12	149	1,705	1,682	1,672	-	-	-	-	26	-	-	-	-	-	-	-	61	2,655	2,817	3,210	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	62	(941)	(1,126)	(1,524)	0.373	0.384	0.384	0.176	23	(361)	(432)	(268)
9	10	13	157	1,799	1,779	1,772	-	-	-	-	32	-	-	-	-	-	-	-	61	2,627	2,798	3,197	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	64	(820)	(1,010)	(1,412)	0.374	0.381	0.384	0.168	24	(312)	(388)	(237)
9	10	14	165	1,898	1,882	1,878	-	-	-	-	32	-	-	-	-	-	-	-	59	2,574	2,736	3,127	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	74	(673)	(847)	(1,246)	0.375	0.375	0.377	0.168	28	(252)	(319)	(210)
9	10	15	173	1,999	1,987	1,988	-	-	-	-	34	-	-	-	-	-	-	-	50	2,143	2,287	2,663	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	89	(144)	(299)	(674)	0.376	0.374	0.375	0.168	34	(54)	(112)	(113)
9	10	16	180	2,083	2,081	2,090	-	-	-	-	31	-	-	-	-	-	-	-	43	1,934	2,045	2,391	-	-	-	-	-	(1)	(1)	0	-	-	-	-	106	150	37	(301)	0.381	0.367	0.370	0.379	40	55	14	(114)
9	10	17	182	2,124	2,131	2,150	-	-	-	-	33	-	-	-	-	-	-	-	29	1,416	1,478	1,781	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	120	710	655	369	0.389	0.380	0.385	0.374	47	270	252	138
9	10	18	181	2,109	2,125	2,151	-	-	-	-	38	-	-	-	-	-	-	-	9	543	550	803	-	-	-	-	-	(2)	(0)	-	-	-	-	-	133	1,568	1,576	1,348	0.399	0.391	0.395	0.390	53	612	622	525
9	10	19	174	2,042	2,063	2,091	-	-	-	-	43	-	-	-	-	-	-	-	0	56	56	303	-	-	-	-	-	5	10	14	-	-	-	-	132	1,981	1,997	1,775	0.400	0.396	0.401	0.396	53	785	801	703
9	10	20	173	2,025	2,050	2,082	-	-	-	-	42	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	1	1	12	-	-	-	-	131	1,969	1,993	1,767	0.397	0.392	0.398	0.393	52	771	793	695
9	10	21	168	1,976	2,002	2,035	-	-	-	-	38	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	2	2	9	-	-	-	-	130	1,912	1,938	1,717	0.391	0.389	0.390	0.389	51	744	756	668
9	10	22	159	1,866	1,895	1,930	-	-	-	-	41	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	3	5	14	-	-	-	-	117	1,810	1,836	1,614	0.385	0.384	0.387	0.384	45	694	710	620
9	10	23	146	1,723	1,751	1,784	-	-	-	-	40	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	3	6	6	-	-	-	-	107	1,676	1,701	1,486	0.379	0.383	0.385	0.381	40	642	654	567
9	10	24	148	1,745	1,768	1,797	-	-	-	-	39	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	8	9	2	-	-	-	-	109	1,700	1,723	1,512	0.371	0.379	0.381	0.377	41	645	657	570
9	11	1	121	1,419	1,429	1,444	-	-	-	-	29	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	12	4	3	-	-	-	-	92	1,384	1,402	1,171	0.371	0.371	0.376	0.371	34	513	527	435
9	11	2	113	1,313	1,314	1,321	-	-	-	-	24	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	11	4	0	-	-	-	-	89	1,288	1,297	1,061	0.370	0.369	0.374	0.368	33	475	485	390
9	11	3	107	1,237	1,232	1,232	-	-	-	-	21	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	7	4	(1)	-	-	-	-	86	1,220	1,218	977	0.371	0.369	0.372	0.366	32	450	454	357
9	11	4	103	1,187	1,174	1,168	-	-	-	-	23	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	1	3	-	-	-	-	-	81	1,182	1,167	916	0.369	0.372	0.373	0.367	30	440	435	336
9	11	5	102	1,158	1,135	1,120	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	1	(5)	-	-	-	-	71	1,149	1,134	878	0.368	0.372	0.374	0.366	26	427	424	322
9	11	6	101	1,147	1,117	1,096	-	-	-	-	32	-	-	-	-	-	-	-	3	184	184	431	-	-	-	-	-	2	7	(5)	-	-	-	-	66	961	926	671	0.372	0.377	0.376	0.371	24	362	348	249
9	11	7	103	1,159	1,125	1,101	-	-	-	-	29	-	-	-	-	-	-	-	18	1,117	1,121	1,371	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	56	47	8	(270)	0.372	0.381	0.375	0.367	21	18	3	(99)
9	11	8	105	1,186	1,152	1,130	-	-	-	-	25	-	-	-	-	-	-	-	35	1,815	1,868	2,162	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	46	(619)	(709)	(1,031)	0.370	0.376	0.372	0.380	17	(233)	(264)	(392)
9	11	9	113	1,277	1,247	1,231	-	-	-	-	19	-	-	-	-	-	-	-	48	2,267	2,368	2,705	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	46	(975)	(1,110)	(1,466)	0.372	0.384	0.384	0.176	17	(374)	(426)	(258)
9	11	10	121	1,378	1,349	1,335	-	-	-	-	20	-	-	-	-	-	-	-	56	2,528	2,664	3,033	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	46	(1,131)	(1,297)	(1,682)	0.372	0.384	0.384	0.176	17	(434)	(498)	(296)
9	11	11	130	1,482	1,455	1,440	-	-	-	-	23	-	-	-	-	-	-	-	60	2,641	2,799	3,187	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	47	(1,147)	(1,331)	(1,731)	0.371	0.384	0.384	0.176	17	(440)	(511)	(304)
9	11	12	138	1,580	1,554	1,540	-	-	-	-	26	-	-	-	-	-	-	-	63	2,706	2,878	3,279	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	50	(1,118)	(1,315)	(1,723)	0.373	0.384	0.384	0.176	19	(429)	(505)	(303)
9	11	13	146	1,673	1,651	1,640	-	-	-	-	32	-	-	-	-	-	-	-	63	2,707	2,879	3,281	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	52	(1,025)	(1,220)	(1,627)	0.374	0.381	0.384	0.168	19	(390)	(468)	(273)
9	11	14	154	1,766	1,747	1,740	-	-	-	-	32	-	-	-	-	-	-	-	61	2,649	2,815	3,211	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	61	(880)	(1,061)	(1,468)	0.375	0.375	0.377	0.168	23	(330)	(400)	(247)
9	11	15	161	1,856	1,841	1,838	-	-	-	-	34	-	-	-	-	-	-	-	56	2,490	2,637	3,016	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	71	(633)	(796)	(1,177)	0.376	0.374	0.375	0.168	27	(237)	(299)	(197)
9	11	16	167	1,935	1,929	1,935	-	-	-	-	31	-	-	-	-	-	-	-	47	2,148	2,262	2,612	-	-	-	-	-	(1)	(1)	0	-	-	-	-	89	(212)	(332)	(677)	0.381	0.367	0.370	0.379	34	(78)	(123)	(256)
9	11	17	170	1,974	1,979	1,993	-	-	-	-	33	-	-	-	-	-	-	-	30	1,439	1,502	1,806	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	107	537	478	187	0.389	0.380	0.385	0.374	41	204	184	70
9	11	18	169	1,969	1,982	2,004	-	-	-	-	38	-	-	-	-	-	-	-	9	519	526	779	-	-	-	-	-	(2)	(0)	-	-	-	-	-	122	1,453	1,457	1,225	0.399	0.391	0.395	0.390	49	567	575	477
9	11	19	165	1,926	1,944	1,970	-	-	-	-	43	-	-	-	-	-	-	-	0	33	33	280	-	-	-	-	-	5	10	14	-	-	-	-	122	1,888	1,901	1,676	0.400	0.396	0.401	0.396	49	748	763	664
9	11	20	166	1,953	1,975	2,005	-	-	-	-	42	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	1	1	12	-	-	-	-	124	1,916	1,938	1,710	0.397	0.392	0.398	0.393	49	751	771	673
9	11	21	163	1,911	1,936	1,967	-	-	-	-	38	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	2	2	9	-	-	-	-	125	1,875	1,899	1,676	0.391	0.389	0.390	0.389	49	729	741	653
9	11	22	152	1,791	1,818	1,851	-	-	-	-	41	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	3	5	14	-	-	-	-	111	1,751	1,776	1,552	0.385	0.384	0.387	0.384	43	672	687	596
9	11	23	138	1,629	1,654	1,685	-	-	-	-	40	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	3	6	6	-	-	-	-	99	1,596	1,619	1,402	0.379	0.383	0.385	0.381	37	612	622	534
9	11	24	139	1,632	1,653	1,679	-	-	-	-	39	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	8	9	2	-	-	-	-	100	1,600	1,621	1,407	0.371	0.379	0.381	0.377	37	607	618	531
9	12	1	114	1,331	1,339	1,352	-	-	-	-	29	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	12	4	3	-	-	-	-	85	1,297	1,313	1,081	0.371	0.371	0.376	0.371	31	481	494	401
9	12	2	107	1,246	1,246	1,251	-	-	-	-	24	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	11	4	0	-	-	-	-	83	1,216	1,223	986	0.370	0.369	0.374	0.368	31	449	458	363
9	12	3	103	1,194	1,187	1,187	-	-	-	-	21	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	7	4	(1)	-	-	-	-	83	1,167	1,164	921	0.371	0.369	0.372	0.366	31	430	433	337

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	12	4	102	1,168	1,154	1,148	-	-	-	-	23	-	-	-	-	-	-	-
9	12	5	104	1,183	1,161	1,147	-	-	-	-	31	-	-	-	-	-	-	-
9	12	6	110	1,253	1,226	1,208	-	-	-	-	32	-	-	-	-	-	-	-
9	12	7	123	1,404	1,376	1,358	-	-	-	-	29	-	-	-	-	-	-	-
9	12	8	134	1,527	1,501	1,488	-	-	-	-	25	-	-	-	-	-	-	-
9	12	9	140	1,600	1,579	1,571	-	-	-	-	19	-	-	-	-	-	-	-
9	12	10	146	1,675	1,654	1,647	-	-	-	-	20	-	-	-	-	-	-	-
9	12	11	151	1,732	1,710	1,702	-	-	-	-	23	-	-	-	-	-	-	-
9	12	12	154	1,770	1,748	1,740	-	-	-	-	26	-	-	-	-	-	-	-
9	12	13	157	1,801	1,781	1,774	-	-	-	-	32	-	-	-	-	-	-	-
9	12	14	161	1,846	1,829	1,824	-	-	-	-	32	-	-	-	-	-	-	-
9	12	15	163	1,872	1,858	1,855	-	-	-	-	34	-	-	-	-	-	-	-
9	12	16	164	1,894	1,887	1,892	-	-	-	-	31	-	-	-	-	-	-	-
9	12	17	164	1,899	1,901	1,914	-	-	-	-	33	-	-	-	-	-	-	-
9	12	18	161	1,873	1,883	1,902	-	-	-	-	38	-	-	-	-	-	-	-
9	12	19	160	1,872	1,889	1,913	-	-	-	-	43	-	-	-	-	-	-	-
9	12	20	167	1,954	1,976	2,006	-	-	-	-	42	-	-	-	-	-	-	-
9	12	21	164	1,923	1,948	1,980	-	-	-	-	38	-	-	-	-	-	-	-
9	12	22	154	1,808	1,835	1,868	-	-	-	-	41	-	-	-	-	-	-	-
9	12	23	139	1,637	1,663	1,693	-	-	-	-	40	-	-	-	-	-	-	-
9	12	24	146	1,717	1,740	1,768	-	-	-	-	39	-	-	-	-	-	-	-
9	13	1	115	1,348	1,357	1,370	-	-	-	-	29	-	-	-	-	-	-	-
9	13	2	109	1,271	1,271	1,278	-	-	-	-	24	-	-	-	-	-	-	-
9	13	3	105	1,213	1,207	1,207	-	-	-	-	21	-	-	-	-	-	-	-
9	13	4	103	1,185	1,172	1,165	-	-	-	-	23	-	-	-	-	-	-	-
9	13	5	104	1,191	1,169	1,155	-	-	-	-	31	-	-	-	-	-	-	-
9	13	6	111	1,260	1,233	1,215	-	-	-	-	32	-	-	-	-	-	-	-
9	13	7	124	1,409	1,381	1,363	-	-	-	-	29	-	-	-	-	-	-	-
9	13	8	132	1,506	1,480	1,466	-	-	-	-	25	-	-	-	-	-	-	-
9	13	9	137	1,571	1,548	1,539	-	-	-	-	19	-	-	-	-	-	-	-
9	13	10	143	1,638	1,616	1,608	-	-	-	-	20	-	-	-	-	-	-	-
9	13	11	148	1,698	1,676	1,667	-	-	-	-	23	-	-	-	-	-	-	-
9	13	12	150	1,716	1,693	1,683	-	-	-	-	26	-	-	-	-	-	-	-
9	13	13	150	1,721	1,699	1,690	-	-	-	-	32	-	-	-	-	-	-	-
9	13	14	151	1,729	1,709	1,701	-	-	-	-	32	-	-	-	-	-	-	-
9	13	15	150	1,726	1,708	1,702	-	-	-	-	34	-	-	-	-	-	-	-
9	13	16	150	1,730	1,720	1,720	-	-	-	-	31	-	-	-	-	-	-	-
9	13	17	149	1,730	1,729	1,737	-	-	-	-	33	-	-	-	-	-	-	-
9	13	18	148	1,718	1,725	1,740	-	-	-	-	38	-	-	-	-	-	-	-
9	13	19	149	1,736	1,749	1,770	-	-	-	-	43	-	-	-	-	-	-	-
9	13	20	158	1,846	1,866	1,893	-	-	-	-	42	-	-	-	-	-	-	-
9	13	21	157	1,840	1,864	1,893	-	-	-	-	38	-	-	-	-	-	-	-
9	13	22	147	1,735	1,761	1,792	-	-	-	-	41	-	-	-	-	-	-	-
9	13	23	133	1,569	1,593	1,622	-	-	-	-	40	-	-	-	-	-	-	-
9	13	24	140	1,639	1,660	1,687	-	-	-	-	39	-	-	-	-	-	-	-
9	14	1	111	1,291	1,298	1,310	-	-	-	-	29	-	-	-	-	-	-	-
9	14	2	104	1,208	1,207	1,211	-	-	-	-	24	-	-	-	-	-	-	-
9	14	3	100	1,155	1,147	1,145	-	-	-	-	21	-	-	-	-	-	-	-
9	14	4	98	1,129	1,114	1,106	-	-	-	-	23	-	-	-	-	-	-	-
9	14	5	100	1,142	1,119	1,104	-	-	-	-	31	-	-	-	-	-	-	-
9	14	6	106	1,209	1,181	1,162	-	-	-	-	32	-	-	-	-	-	-	-
9	14	7	119	1,348	1,318	1,299	-	-	-	-	29	-	-	-	-	-	-	-
9	14	8	126	1,437	1,409	1,393	-	-	-	-	25	-	-	-	-	-	-	-
9	14	9	131	1,498	1,473	1,463	-	-	-	-	19	-	-	-	-	-	-	-
9	14	10	137	1,565	1,541	1,532	-	-	-	-	20	-	-	-	-	-	-	-
9	14	11	143	1,634	1,610	1,599	-	-	-	-	23	-	-	-	-	-	-	-
9	14	12	147	1,679	1,655	1,644	-	-	-	-	26	-	-	-	-	-	-	-
9	14	13	149	1,703	1,681	1,671	-	-	-	-	32	-	-	-	-	-	-	-
9	14	14	152	1,740	1,720	1,712	-	-	-	-	32	-	-	-	-	-	-	-
9	14	15	154	1,767	1,750	1,744	-	-	-	-	34	-	-	-	-	-	-	-
9	14	16	155	1,795	1,785	1,787	-	-	-	-	31	-	-	-	-	-	-	-
9	14	17	156	1,807	1,807	1,817	-	-	-	-	33	-	-	-	-	-	-	-
9	14	18	153	1,788	1,796	1,813	-	-	-	-	38	-	-	-	-	-	-	-
9	14	19	154	1,797	1,811	1,834	-	-	-	-	43	-	-	-	-	-	-	-
9	14	20	161	1,893	1,914	1,942	-	-	-	-	42	-	-	-	-	-	-	-
9	14	21	159	1,873	1,897	1,927	-	-	-	-	38	-	-	-	-	-	-	-
9	14	22	150	1,765	1,791	1,823	-	-	-	-	41	-	-	-	-	-	-	-
9	14	23	136	1,603	1,627	1,657	-	-	-	-	40	-	-	-	-	-	-	-
9	14	24	139	1,631	1,652	1,678	-	-	-	-	39	-	-	-	-	-	-	-
9	15	1	113	1,314	1,321	1,334	-	-	-	-	29	-	-	-	-	-	-	-
9	15	2	106	1,229	1,229	1,234	-	-	-	-	24	-	-	-	-	-	-	-
9	15	3	102	1,174	1,167	1,165	-	-	-	-	21	-	-	-	-	-	-	-
9	15	4	100	1,147	1,132	1,125	-	-	-	-	23	-	-	-	-	-	-	-
9	15	5	101	1,153	1,130	1,115	-	-	-	-	31	-	-	-	-	-	-	-
9	15	6	107	1,218	1,190	1,171	-	-	-	-	32	-	-	-	-	-	-	-
9	15	7	119	1,357	1,327	1,308	-	-	-	-	29	-	-	-	-	-	-	-
9	15	8	126	1,439	1,411	1,395	-	-	-	-	25	-	-	-	-	-	-	-
9	15	9	132	1,510	1,486	1,476	-	-	-	-	19	-	-	-	-	-	-	-
9	15	10	140	1,595	1,571	1,562	-	-	-	-	20	-	-	-	-	-	-	-
9	15	11	146	1,674	1,651	1,641	-	-	-	-	23	-	-	-	-	-	-	-
9	15	12	151	1,732	1,710	1,700	-	-	-	-	26	-	-	-	-	-	-	-
9	15	13	154	1,771	1,750	1,742	-	-	-	-	32	-	-	-	-	-	-	-
9	15	14	159	1,826	1,807	1,802	-	-	-	-	32	-	-	-	-	-	-	-
9	15	15	162	1,862	1,847	1,844	-	-	-	-	34	-	-	-	-	-	-	-
9	15	16	164	1,900	1,893	1,897	-	-	-	-	31	-	-	-	-	-	-	-
9	15	17	165	1,915	1,918	1,930	-	-	-	-	33	-	-	-	-	-	-	-
9	15	18	163	1,902	1,913	1,933	-	-	-	-	38	-	-	-	-	-	-	-
9	15	19	161	1,888	1,904	1,929	-	-	-	-	43	-	-	-	-	-	-	-
9	15	20	167	1,957	1,979	2,009	-	-	-	-	42	-	-	-	-	-	-	-
9	15	21	164	1,931	1,956	1,988	-	-	-	-	38	-	-	-	-	-	-	-
9	15	22	154	1,812	1,840	1,873	-	-	-	-	41	-	-	-	-	-	-	-
9	15	23	139	1,641	1,666	1,697	-	-	-	-	40	-	-	-	-	-	-	-
9	15	24	144	1,692	1,714	1,742	-	-	-	-	39	-	-	-	-	-	-	-
9	16	1	115	1,344	1,352	1,365	-	-	-	-	29	-	-	-	-	-	-	-
9	16	2	108	1,255	1,255	1,261	-	-	-	-	24	-	-	-	-	-	-	-
9	16	3	104	1,196	1,190	1,189	-	-	-	-	21	-	-	-	-	-	-	-
9	16	4	101	1,164	1,151	1,143	-	-	-	-	23	-	-	-	-	-	-	-
9	16	5	103	1,170	1,147	1,132	-	-	-	-	31	-	-	-	-	-	-	-
9	16	6	108	1,231	1,203	1,185	-	-	-	-	32	-	-	-	-	-	-	-
9	16	7	120	1,360	1,330	1,310	-	-	-	-	29	-	-	-	-	-	-	-
9	16	8	127	1,447	1,419	1,404	-	-	-	-	25	-	-	-	-	-	-	-
9	16	9	134	1,527	1,503	1,493	-	-	-	-	19	-	-	-	-	-	-	-
9	16	10	142	1,618	1,596	1,587	-	-	-	-	20	-	-	-	-	-	-	-
9	16	11	149	1,704	1,681	1,672	-	-	-	-	23	-	-	-	-	-	-	-
9	16	12	154	1,770	1,749	1,740	-	-	-	-	26	-	-	-	-	-	-	-
9	16	13	158	1,811	1,791	1,784	-	-	-	-	32	-	-	-	-	-	-	-
9	16	14	163	1,870	1,853	1,848	-	-	-	-	32	-	-	-	-	-	-	-

			Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	12	4	-	22	22	269	-	-	-	-	-	1	3	-	-	-	-	-
9	12	5	-	20	20	267	-	-	-	-	-	8	1	(5)	-	-	-	-
9	12	6	3	197	197	444	-	-	-	-	-	2	7	(5)	-	-	-	-
9	12	7	18	1,136	1,140	1,391	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-
9	12	8	35	1,836	1,886	2,179	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-
9	12	9	47	2,228	2,327	2,664	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-
9	12	10	56	2,555	2,692	3,061	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-
9	12	11	60	2,659	2,819	3,208	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-
9	12	12	62	2,714	2,882	3,280	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-
9	12	13	61	2,693	2,858	3,252	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-
9	12	14	57	2,436	2,594	2,983	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-
9	12	15	55	2,465	2,610	2,986	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-
9	12	16	47	2,179	2,290	2,637	-	-	-	-	-	(1)	(1)	0	-	-	-	-
9	12	17	30	1,465	1,527	1,830	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-
9	12	18	8	531	536	788	-	-	-	-	-	(2)	(0)	-	-	-	-	-
9	12	19	0	63	63	310	-	-	-	-	-	5	10	14	-	-	-	-
9	12	20	-	67	67	314	-	-	-	-	-	1	1	12	-	-	-	-
9	12	21	-	64	64	311	-	-	-	-	-	2	2	9	-	-	-	-
9	12	22	-	61	61	308	-	-	-	-	-	3	5	14	-	-	-	-
9	12	23	-	51	51	298	-	-	-	-	-	3	6	6	-	-	-	-
9	12	24	-	42	42	289	-	-	-	-	-	8	9	2	-	-	-	-
9	13	1	-	40	40	287	-	-	-	-	-	12	4	3	-	-	-	-
9	13	2	-	39	39	286	-	-	-	-	-	11	4	0	-	-	-	-
9	13	3	-	38	38	285	-	-	-	-	-	7	4	(1)	-	-	-	-
9	13	4	-	42	42	289	-	-	-	-	-	1	3	-	-	-	-	-
9	13	5	-	42	42	289	-	-	-	-	-	8	1	(5)	-	-	-	-
9	13	6	4	268	268	515	-	-	-	-	-	2	7	(5)	-	-	-	-
9	13	7	18	1,152	1,156	1,407	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-
9	13	8	35	1,885	1,938	2,233	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-
9	13	9	48	2,324	2,426	2,764	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-
9	13	10	56	2,615	2,752	3,122	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-
9	13	11	61	2,722	2,881	3,270	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-
9	13	12	59	2,527	2,695	3,093	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-
9	13	13	58	2,518	2,687	3,086	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-
9	13	14	56	2,458	2,621	3,014	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-
9	13	15	52	2,346	2,488	2,861	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-
9	13	16	41	1,892	1,999	2,342	-	-	-	-	-	(1)	(1)	0	-	-	-	-
9	13	17	28	1,443	1,504	1,806	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-
9	13	18	7	517	522	774	-	-	-	-	-	(2)	(0)	-	-	-	-	-
9	13	19	0	83	83	330	-	-	-	-	-	5	10	14	-	-	-	-
9	13	20	-	73	73	320	-	-	-	-	-	1	1	12	-	-	-	-
9	13	21	-	72	72	319	-	-	-	-	-	2	2	9	-	-	-	-
9	13	22	-	70	70	317	-	-	-	-	-	3	5	14	-	-	-	-
9	13	23	-	69	69	316	-	-	-	-	-	3	6	6	-	-	-	-
9	13	24	-	60	60	307	-	-	-	-	-	8	9	2	-	-	-	-
9	14	1	-	59	59	306	-	-	-	-	-	12	4	3	-	-	-	-
9	14	2	-	61	61	308	-	-	-	-	-	11	4	0	-	-	-	-
9	14	3	-	62	62	309	-	-	-	-	-	7	4	(1)	-	-	-	-
9	14	4	-	65	65	312	-	-	-	-	-	1	3	-	-	-	-	-
9	14	5	-	67	67	314	-	-	-	-	-	8	1	(5)	-	-	-	-
9	14	6	3	253	253	500	-	-	-	-	-	2	7	(5)	-	-	-	-
9	14	7	18	1,189	1,194	1,444	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-
9	14	8	35	1,885	1,939	2,235	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-
9	14	9	44	2,075	2,179	2,519	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-
9	14	10	56	2,592	2,733	3,105	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-
9	14	11	60	2,700	2,861	3,252	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-
9	14	12	62	2,766	2,937	3,338	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-
9	14	13	63	2,812	2,985	3,386	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-
9	14	14	61	2,755	2,921	3,317	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-
9	14	15	57	2,605	2,752	3,131	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-
9	14	16	47	2,215	2,328	2,676	-	-	-	-	-	(1)	(1)	0	-	-	-	-
9	14	17	28	1,444	1,506	1,807	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-
9	14	18	7	512	517	769	-	-	-	-	-	(2)	(0)	-	-	-	-	-
9	14	19	0	87	87	334	-	-	-	-	-	5	10	14	-	-	-	-
9	14	20	-	78	78	325	-	-	-	-	-	1	1	12	-	-	-	-
9	14	21	-	75	75	322	-	-	-	-	-	2	2	9	-	-	-	-
9	14	22	-	62	62	309	-	-	-	-	-	3	5	14	-	-	-	-
9	14	23	-	44	44	291	-	-	-	-	-	3	6	6	-	-	-	-
9	14	24	-	36	36	283	-	-	-	-	-	8	9	2	-	-	-	-
9	15	1	-	35	35	282	-	-	-	-	-	12	4	3	-	-	-	-
9	15	2	-	41	41	288	-	-	-	-	-	11	4	0	-	-	-	-
9	15	3	-	43	43	290	-	-	-	-	-	7	4	(1)	-	-	-	-
9	15	4	-	39	39	286	-	-	-	-	-	1	3	-	-	-	-	-
9	15	5	-	36	36	283	-	-	-	-	-	8	1	(5)	-	-	-	-
9	15	6	3	251	251	498	-	-	-	-	-	2	7	(5)	-	-	-	-
9	15	7	17	1,081	1,085	1,336	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-
9	15	8	35	1,833	1,888	2,185	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-
9	15	9	49	2,315	2,422	2,765	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-
9	15	10	57	2,552	2,695	3,070	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-
9	15	11	62	2,755	2,919	3,314	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-
9	15	12	64	2,803	2,978	3,381	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-
9	15	13	64	2,819	2,994	3,397	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-
9	15	14	61	2,719	2,883	3,277	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-
9	15	15	56	2,526	2,670	3,046	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-
9	15	16	42	1,958	2,066	2,409	-	-	-	-	-	(1)	(1)	0	-	-	-	-
9	15	17	28	1,416	1,476	1,776	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-
9	15	18	7	479	484	736	-	-	-	-	-	(2)	(0)	-	-	-	-	-
9	15	19	0	83	83	330	-	-	-	-	-	5	10	14	-	-	-	-
9	15	20	-	82	82	329	-	-	-	-	-	1	1	12	-	-	-	-
9	15	21	-	89	89	336	-	-	-	-	-	2	2	9	-	-	-	-
9	15	22	-	78	78	325	-	-	-	-	-	3	5	14	-	-	-	-
9	15	23	-	59	59	306	-	-	-	-	-	3	6	6	-	-	-	-
9	15	24	-	46	46	293	-	-	-	-	-	8	9	2	-	-	-	-
9	16	1	-	45	45	292	-	-	-	-	-	12	4	3	-	-	-	-
9	16	2	-	48	48	295	-	-	-	-	-	11	4	0	-	-	-	-
9	16	3	-	57	57	304	-	-	-	-	-	7	4	(1)	-	-	-	-
9	16	4	-	59	59	306	-	-	-	-	-	1	3	-	-	-	-	-
9	16	5	-	54	54	301	-	-	-	-	-	8	1	(5)	-	-	-	-
9	16	6	3	203	203	450	-	-	-	-	-	2	7	(5)	-	-	-	-
9	16	7	17	1,111	1,115	1,366	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-
9	16	8	36	1,887	1,941	2,236	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-
9	16	9	49	2,367	2,473	2,815	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-
9	16	10	57	2,636	2,780	3,156	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-
9	16	11	62	2,826	2,991	3,386	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-
9	16	12	64	2,866	3,043	3,447	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-
9	16	13	64	2,831	3,008	3,413	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-
9	16	14	62	2,810	2,978	3,376	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-

			Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	12	4	79	1,145	1,129	878	0.369	0.372	0.373	0.367	29	426	421	322
9	12	5	73	1,155	1,140	885	0.368	0.372	0.374	0.366	27	429	426	324
9	12	6	75	1,054	1,022	769	0.372	0.377	0.376	0.371	28	397	384	285
9	12	7	76	273	239	(32)	0.372	0.381	0.375	0.367	28	104	90	(12)
9	12	8	74	(299)	(379)	(691)	0.370	0.376	0.372	0.380	27	(112)	(141)	(263)
9	12	9	74	(612)	(738)	(1,085)	0.372	0.384	0.384	0.176	28	(235)	(283)	(191)
9	12	10	70	(861)	(1,020)	(1,398)	0.372	0.384	0.384	0.176	26	(330)	(392)	(246)
9	12	11	68	(915)	(1,094)	(1,490)	0.371	0.384	0.384	0.176	25	(351)	(420)	(262)
9	12	12	66	(936)	(1,125)	(1,525)	0.373	0.384	0.384	0.176	25	(359)	(432)	(268)
9	12	13	64	(884)	(1,068)	(1,464)	0.374	0.381	0.384	0.168	24	(336)	(410)	(246)
9	12	14	72	(586)	(758)	(1,156)	0.375	0.375	0.377	0.168	27	(220)	(286)	(195)
9	12	15	74	(592)	(752)	(1,130)	0.376	0.374	0.375	0.168	28	(222)	(282)	(189)
9	12	16	86	(283)	(401)	(745)	0.381	0.367	0.370	0.379	33	(104)	(149)	(282)
9	12	17	101	436	376	85	0.389	0.380	0.385	0.374	39	165	145	32
9	12	18	114	1,344	1,347	1,114	0.399	0.391	0.395	0.390	45	525	532	434
9	12	19	118	1,805	1,817	1,590	0.400	0.396	0.401	0.396	47	715	729	630
9	12	20	125	1,885	1,908	1,680	0.397	0.392	0.398	0.393	49	739	759	661
9	12	21	126	1,857	1,881	1,659	0.391	0.389	0.390	0.389	49	722	734	646
9	12	22	113	1,744	1,769	1,546	0.385	0.384	0.387	0.384	43	669	685	594
9	12	23	99	1,584	1,607	1,390	0.379	0.383	0.385	0.381	38	607	618	530
9	12	24	107	1,667	1,689	1,477	0.371	0.379	0.381	0.377	40	632	644	557
9	13	1	86	1,296	1,312	1,080	0.371	0.371	0.376	0.371	32	480	494	401
9	13	2	86	1,221	1,228	991	0.370	0.369	0.374	0.368	32	450	460	365
9	13	3	84	1,167	1,165	922	0.371	0.369	0.372	0.366	31	431	434	338
9	13	4	81	1,142	1,126	876	0.369	0.372	0.373	0.367	30	425	420	321
9	13	5	73	1,141	1,126	871	0.368	0.372	0.374	0.366	27	424	421	319
9	13	6	75	991	958	706	0.372	0.377	0.376	0.371	28	373	360	262
9	13	7	77	261	228	(44)	0.372	0.381	0.375	0.367	29	100	85	(16)
9	13	8	72	(368)	(451)	(766)	0.370	0.376	0.372	0.380	27	(138)	(168)	(291)
9	13	9	70	(739)	(867)	(1,216)	0.372	0.384	0.384	0.176	26	(284)	(333)	(214)
9	13	10	67	(957)	(1,118)	(1,497)	0.372	0.384	0.384	0.176	25	(367)	(429)	(263)
9	13	11	65	(1,011)	(1,191)	(1,587)	0.371	0.384	0.384	0.176	24	(388)	(457)	(279)
9	13	12	65	(802)	(993)	(1,395)	0.373	0.384	0.384	0.176	24	(308)	(381)	(245)
9	13	13	60	(789)	(979)	(1,382)	0.374	0.381	0.384	0.168	23	(300)	(376)	(232)
9	13	14	62	(725)	(904)	(1,310)	0.375	0.375	0.377	0.168	23	(272)	(341)	(221)
9	13	15	64	(619)	(779)	(1,158)	0.376	0.374	0.375	0.168	24	(231)	(292)	(194)
9	13	16	78	(160)	(278)	(623)	0.381	0.367	0.370	0.379	30	(59)	(103)	(236)
9	13	17	88	289	226	(69)	0.389	0.380	0.385	0.374	34	110	87	(26)
9	13	18	102	1,204	1,203	966	0.399	0.391	0.395	0.390	41	470	475	376
9	13	19	106	1,648	1,657	1,426	0.400	0.396	0.401	0.396	42	653	665	565
9	13	20	116	1,772	1,792	1,561	0.397	0.392	0.398	0.393	46	694	712	614
9	13	21	119	1,767	1,790	1,565	0.391	0.389	0.390	0.389	46	687	698	609
9	13	22	106	1,663	1,686	1,461	0.385	0.384	0.387	0.384	41	638	652	561
9	13	23	94	1,498	1,519	1,300	0.379	0.383	0.385	0.381	35	574	584	496
9	13	24	100	1,571	1,592	1,378	0.371	0.379	0.381	0.377	37	596	607	520
9	14	1	81	1,220	1,235	1,001	0.371	0.371	0.376	0.371	30	452	464	371
9	14	2	80	1,135	1,141	903	0.370	0.369	0.374	0.368	30	419	427	332
9	14	3	79	1,086	1,082	838	0.371	0.369	0.372	0.366	29	400	403	307
9	14	4	76	1,062	1,045	794	0.369	0.372	0.373	0.367	28	395	390	291
9	14	5	69	1,067	1,050	795	0.368	0.372	0.374	0.366	26	396	393	291
9	14	6	71	955	921	667	0.372	0.377	0.376	0.371	26	359	346	248
9	14	7	71	163	128	(145)	0.372	0.381	0.375	0.367	26	62	48	(53)
9	14	8	66	(438)	(524)	(841)	0.370	0.376	0.372	0.380	24	(164)	(195)	(320)
9	14	9	68	(563)	(695)	(1,049)	0.372	0.384	0.384	0.176	25	(216)	(267)	(184)
9	14	10	61	(1,008)	(1,174)	(1,557)	0.372	0.384	0.384	0.176	23	(387)	(451)	(274)
9	14	11	60	(1,053)	(1,237)	(1,636)	0.371	0.384	0.384	0.176	22	(405)	(475)	(288)
9	14	12	58	(1,078)	(1,273)	(1,679)	0.373	0.384	0.384	0.176	22	(414)	(489)	(295)
9	14	13	54	(1,101)	(1,295)	(1,701)	0.374	0.381	0.384	0.168	20	(419)	(497)	(286)
9	14	14	58	(1,012)	(1,194)	(1,602)	0.375	0.375	0.377	0.168	22	(379)	(450)	(270)
9	14	15	63	(837)	(1,002)	(1,386)	0.376	0.374	0.375	0.168	24	(313)	(376)	(232)
9	14	16	78	(418)	(541)	(889)	0.381	0.367	0.370	0.379	30	(154)	(200)	(337)
9	14	17	94	364	303	10	0.389	0.380	0.385	0.374	37	138	117	4
9	14	18	108	1,278	1,279	1,044	0.399	0.391	0.395	0.390	43	499	505	407
9	14	19	111	1,705	1,715	1,486	0.400	0.396	0.401	0.396	44	676	688	588
9	14	20	119	1,814	1,835	1,605	0.397	0.392	0.398	0.393	47	711	729	631
9	14	21	121	1,796	1,819	1,595	0.391	0.389	0.390	0.389	47	699	710	621
9	14	22	109	1,700	1,724	1,500	0.385	0.384	0.387	0.384	42	652	667	576
9	14	23	96	1,557	1,578	1,361	0.379	0.383	0.385	0.381	36	596	607	519
9	14	24	100	1,587	1,607	1,393	0.371	0.379	0.381	0.377	37	602	613	526
9	15	1	83	1,267	1,282	1,050	0.371	0.371	0.376	0.371	31	470	482	389
9	15	2	82	1,176	1,183	945	0.370	0.369	0.374	0.368	30	434	443	348
9	15	3	81	1,124	1,120	877	0.371	0.369	0.372	0.366	30	414	417	321
9	15	4	77	1,106	1,090	838	0.369	0.372	0.373	0.367	29	412	406	307
9	15	5	70	1,109	1,093	837	0.368	0.372	0.374	0.366	26	412	408	306
9	15	6	71	965	932	678	0.372	0.377	0.376	0.371	26	363	350	252
9	15	7	73	280	246	(27)	0.372	0.381	0.375	0.367	27	107	92	(10)
9	15	8	67	(384)	(471)	(789)	0.370	0.376	0.372	0.380	25	(144)	(175)	(300)
9	15	9	64	(790)	(925)	(1,281)	0.372	0.384	0.384	0.176	24	(303)	(355)	(225)
9	15	10	63	(937)	(1,106)	(1,491)	0.372	0.384	0.384	0.176	24	(360)	(425)	(262)
9	15	11	61	(1,068)	(1,255)	(1,657)	0.371	0.384	0.384	0.176	23	(410)	(482)	(291)
9	15	12	61	(1,062)	(1,259)	(1,666)	0.373	0.384	0.384	0.176	23	(408)	(483)	(293)
9	15	13	59	(1,040)	(1,235)	(1,641)	0.374	0.381	0.384	0.168	22	(396)	(474)	(276)
9	15	14	66	(890)	(1,068)	(1,472)	0.375	0.375	0.377	0.168	25	(334)	(403)	(248)
9	15	15	73	(663)	(823)	(1,201)	0.376	0.374	0.375	0.168	27	(248)	(309)	(201)
9	15	16	91	(57)	(172)	(512)	0.381	0.367	0.370	0.379	35	(21)	(64)	(194)
9	15	17	104	501	443	154	0.389	0.380	0.385	0.374	40	190	171	58
9	15	18	118	1,426	1,429	1,197	0.399	0.391	0.395	0.390	47	557	564	466
9	15	19	119	1,800	1,812	1,585	0.400	0.396	0.401	0.396	48	714	727	628
9	15	20	125	1,874	1,897	1,669	0.397	0.392	0.398	0.393	50	734	754	656
9	15	21	126	1,841	1,865	1,643	0.391	0.389	0.390	0.389	49	716	728	640
9	15	22	113	1,731	1,756	1,533	0.385	0.384	0.387	0.384	44	664	680	589
9	15	23	100	1,579	1,601	1,385	0.379	0.383	0.385	0.381	38	605	616	528
9	15	24	105	1,638	1,660	1,447	0.371	0.379	0.381	0.377	39	621	632	546
9	16	1	86	1,286	1,302	1,070	0.371	0.371	0.376	0.371	32	477	490	397
9	16	2	84	1,196	1,203	966	0.370	0.369	0.374	0.368	31	441	451	355
9	16	3	83	1,132	1,129	886	0.371	0.369	0.372	0.366	31	418	420	324
9	16	4	79	1,104	1,088	837	0.369	0.372	0.373	0.367	29	411	406	307
9	16	5	72	1,107	1,092	836	0.368	0.372	0.374	0.366	26	412	408	306
9	16	6	73	1,026	993	740	0.372	0.377	0.376	0.371	27	386	373	274
9	16	7	73	253	218	(54)	0.372	0.381	0.375	0.367	27	97	82	(20)
9	16	8	67	(429)	(515)	(832)	0.370	0.376	0.372	0.380	25	(161)	(192)	(316)
9	16	9	66	(825)	(959)	(1,314)	0.372	0.384	0.384	0.176	24	(317)	(368)	(231)
9	16	10	65	(998)	(1,167)	(1,553)	0.372	0.384	0.384	0.176	24	(383)	(448)	(273)
9	16	11	63	(1,109)	(1,296)	(1,698)	0.371	0.384	0.384	0.176	23	(426)	(498)	(299)
9	16	12	64	(1,088)	(1,285)	(1,693)	0.373	0.384	0.384	0.176	24	(418)	(493)	(298)
9	16	13	62	(1,012)	(1,208)	(1,615)	0.374	0.381	0.384	0.168	23	(385)	(464)	(272)
9	16	14	68	(937)	(1,118)	(1,525)	0.375	0.375	0.377	0.168	26	(351)	(421)	(257)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	16	15	167	1,919	1,906	1,904	-	-	-	-	34	-	-	-	-	-	-	-	57	2,632	2,779	3,157	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	76	(712)	(873)	(1,252)	0.376	0.374	0.375	0.168	29	(266)	(328)	(210)
9	16	16	170	1,969	1,963	1,970	-	-	-	-	31	-	-	-	-	-	-	-	47	2,265	2,377	2,725	-	-	-	-	-	(1)	(1)	0	-	-	-	-	92	(295)	(413)	(755)	0.381	0.367	0.370	0.379	35	(108)	(153)	(286)
9	16	17	171	1,990	1,995	2,009	-	-	-	-	33	-	-	-	-	-	-	-	29	1,485	1,544	1,844	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	110	507	452	166	0.389	0.380	0.385	0.374	43	192	174	62
9	16	18	168	1,961	1,973	1,994	-	-	-	-	38	-	-	-	-	-	-	-	7	512	517	768	-	-	-	-	-	(2)	(0)	-	-	-	-	-	123	1,451	1,456	1,226	0.399	0.391	0.395	0.390	49	567	575	478
9	16	19	164	1,923	1,941	1,966	-	-	-	-	43	-	-	-	-	-	-	-	0	103	103	350	-	-	-	-	-	5	10	14	-	-	-	-	122	1,815	1,828	1,602	0.400	0.396	0.401	0.396	49	720	734	635
9	16	20	168	1,966	1,989	2,019	-	-	-	-	42	-	-	-	-	-	-	-	-	81	81	328	-	-	-	-	-	1	1	12	-	-	-	-	126	1,884	1,907	1,679	0.397	0.392	0.398	0.393	50	738	758	661
9	16	21	164	1,926	1,951	1,983	-	-	-	-	38	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	2	2	9	-	-	-	-	126	1,859	1,883	1,660	0.391	0.389	0.390	0.389	49	723	735	646
9	16	22	155	1,827	1,855	1,888	-	-	-	-	41	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	3	5	14	-	-	-	-	114	1,759	1,784	1,561	0.385	0.384	0.387	0.384	44	675	690	600
9	16	23	143	1,683	1,709	1,740	-	-	-	-	40	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	3	6	6	-	-	-	-	103	1,618	1,642	1,426	0.379	0.383	0.385	0.381	39	620	631	544
9	16	24	148	1,736	1,759	1,788	-	-	-	-	39	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	8	9	2	-	-	-	-	109	1,662	1,685	1,473	0.371	0.379	0.381	0.377	40	630	642	556
9	17	1	118	1,379	1,389	1,403	-	-	-	-	29	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	12	4	3	-	-	-	-	89	1,297	1,314	1,082	0.371	0.371	0.376	0.371	33	481	494	402
9	17	2	110	1,282	1,282	1,289	-	-	-	-	24	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	11	4	0	-	-	-	-	86	1,195	1,203	966	0.370	0.369	0.374	0.368	32	441	450	356
9	17	3	105	1,212	1,206	1,205	-	-	-	-	21	-	-	-	-	-	-	-	-	77	77	324	-	-	-	-	-	7	4	(1)	-	-	-	-	84	1,128	1,125	883	0.371	0.369	0.372	0.366	31	416	419	323
9	17	4	102	1,171	1,157	1,150	-	-	-	-	23	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	1	3	-	-	-	-	-	79	1,100	1,084	833	0.369	0.372	0.373	0.367	29	409	404	305
9	17	5	101	1,152	1,129	1,114	-	-	-	-	31	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	8	1	(5)	-	-	-	-	70	1,078	1,062	806	0.368	0.372	0.374	0.366	26	401	397	295
9	17	6	102	1,159	1,129	1,109	-	-	-	-	32	-	-	-	-	-	-	-	2	208	208	455	-	-	-	-	-	2	7	(5)	-	-	-	-	67	949	914	659	0.372	0.377	0.376	0.371	25	357	343	245
9	17	7	106	1,199	1,165	1,142	-	-	-	-	29	-	-	-	-	-	-	-	18	1,145	1,149	1,399	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	59	58	20	(257)	0.372	0.381	0.375	0.367	22	22	7	(94)
9	17	8	110	1,245	1,212	1,191	-	-	-	-	25	-	-	-	-	-	-	-	36	1,935	1,989	2,285	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	49	(681)	(771)	(1,093)	0.370	0.376	0.372	0.380	18	(256)	(287)	(416)
9	17	9	118	1,341	1,313	1,298	-	-	-	-	19	-	-	-	-	-	-	-	49	2,369	2,477	2,820	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	50	(1,014)	(1,153)	(1,514)	0.372	0.384	0.384	0.176	19	(389)	(443)	(266)
9	17	10	127	1,444	1,418	1,405	-	-	-	-	20	-	-	-	-	-	-	-	59	2,709	2,855	3,233	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	48	(1,245)	(1,420)	(1,812)	0.372	0.384	0.384	0.176	18	(478)	(545)	(319)
9	17	11	135	1,534	1,508	1,495	-	-	-	-	23	-	-	-	-	-	-	-	63	2,843	3,008	3,403	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	48	(1,296)	(1,486)	(1,892)	0.371	0.384	0.384	0.176	18	(498)	(571)	(333)
9	17	12	141	1,607	1,581	1,569	-	-	-	-	26	-	-	-	-	-	-	-	65	2,858	3,034	3,438	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	50	(1,242)	(1,443)	(1,855)	0.373	0.384	0.384	0.176	19	(477)	(554)	(326)
9	17	13	147	1,680	1,657	1,647	-	-	-	-	32	-	-	-	-	-	-	-	65	2,881	3,058	3,463	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	50	(1,193)	(1,392)	(1,802)	0.374	0.381	0.384	0.168	19	(454)	(534)	(303)
9	17	14	153	1,755	1,736	1,728	-	-	-	-	32	-	-	-	-	-	-	-	64	2,818	2,986	3,383	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	58	(1,059)	(1,243)	(1,653)	0.375	0.375	0.377	0.168	22	(397)	(469)	(278)
9	17	15	160	1,840	1,824	1,820	-	-	-	-	34	-	-	-	-	-	-	-	58	2,625	2,773	3,152	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	68	(785)	(948)	(1,330)	0.376	0.374	0.375	0.168	26	(294)	(356)	(223)
9	17	16	166	1,925	1,919	1,924	-	-	-	-	31	-	-	-	-	-	-	-	48	2,251	2,365	2,713	-	-	-	-	-	(1)	(1)	0	-	-	-	-	87	(325)	(445)	(790)	0.381	0.367	0.370	0.379	33	(119)	(165)	(299)
9	17	17	171	1,982	1,986	2,001	-	-	-	-	33	-	-	-	-	-	-	-	29	1,451	1,511	1,812	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	109	533	477	189	0.389	0.380	0.385	0.374	42	202	183	71
9	17	18	171	1,992	2,005	2,027	-	-	-	-	38	-	-	-	-	-	-	-	7	441	445	697	-	-	-	-	-	(2)	(0)	-	-	-	-	-	126	1,554	1,560	1,330	0.399	0.391	0.395	0.390	50	607	616	518
9	17	19	168	1,961	1,979	2,006	-	-	-	-	43	-	-	-	-	-	-	-	0	59	59	306	-	-	-	-	-	5	10	14	-	-	-	-	125	1,896	1,910	1,686	0.400	0.396	0.401	0.396	50	752	767	668
9	17	20	169	1,981	2,004	2,035	-	-	-	-	42	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	1	1	12	-	-	-	-	127	1,920	1,943	1,716	0.397	0.392	0.398	0.393	50	752	773	675
9	17	21	164	1,930	1,955	1,987	-	-	-	-	38	-	-	-	-	-	-	-	-	87	87	334	-	-	-	-	-	2	2	9	-	-	-	-	126	1,841	1,865	1,643	0.391	0.389	0.390	0.389	49	716	728	640
9	17	22	155	1,824	1,852	1,886	-	-	-	-	41	-	-	-	-	-	-	-	-	68	68	315	-	-	-	-	-	3	5	14	-	-	-	-	114	1,754	1,779	1,557	0.385	0.384	0.387	0.384	44	673	689	598
9	17	23	143	1,685	1,712	1,743	-	-	-	-	40	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	3	6	6	-	-	-	-	103	1,619	1,643	1,427	0.379	0.383	0.385	0.381	39	620	632	544
9	17	24	141	1,658	1,680	1,707	-	-	-	-	39	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	8	9	2	-	-	-	-	102	1,600	1,622	1,408	0.371	0.379	0.381	0.377	38	607	618	531
9	18	1	119	1,393	1,402	1,417	-	-	-	-	29	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	12	4	3	-	-	-	-	90	1,346	1,363	1,132	0.371	0.371	0.376	0.371	33	499	513	420
9	18	2	111	1,284	1,285	1,291	-	-	-	-	24	-	-	-	-	-	-	-	-	17	17	264	-	-	-	-	-	11	4	0	-	-	-	-	87	1,256	1,264	1,027	0.370	0.369	0.374	0.368	32	463	473	378
9	18	3	105	1,208	1,202	1,202	-	-	-	-	21	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	7	4	(1)	-	-	-	-	84	1,197	1,194	951	0.371	0.369	0.372	0.366	31	441	445	348
9	18	4	101	1,159	1,145	1,137	-	-	-	-	23	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	3	-	-	-	-	-	78	1,156	1,140	889	0.369	0.372	0.373	0.367	29	430	425	326
9	18	5	99	1,129	1,106	1,090	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	1	(5)	-	-	-	-	68	1,121	1,104	848	0.368	0.372	0.374	0.366	25	417	413	311
9	18	6	99	1,118	1,088	1,066	-	-	-	-	32	-	-	-	-	-	-	-	2	115	115	362	-	-	-	-	-	2	7	(5)	-	-	-	-	64	1,001	965	710	0.372	0.377	0.376	0.371	24	377	363	263
9	18	7	100	1,129	1,094	1,069	-	-	-	-	29	-	-	-	-	-	-	-	18	1,094	1,098	1,349	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	53	40	(1)	(279)	0.372	0.381	0.375	0.367	20	15	(0)	(102)
9	18	8	103	1,166	1,131	1,108	-	-	-	-	25	-	-	-	-	-	-	-	36	1,882	1,935	2,229	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	43	(707)	(797)	(1,120)	0.370	0.376	0.372	0.380	16	(265)	(297)	(426)
9	18	9	112	1,263	1,233	1,217	-	-	-	-	19	-	-	-	-	-	-	-	49	2,325	2,429	2,769	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	43	(1,047)	(1,185)	(1,544)	0.372	0.384	0.384	0.176	16	(402)	(455)	(272)
9	18	10	121	1,374	1,345	1,331	-	-	-	-	20	-	-	-	-	-	-	-	58	2,619	2,762	3,137	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	43	(1,226)	(1,399)	(1,790)	0.372	0.384	0.384	0.176	16	(471)	(537)	(315)
9	18	11	132	1,503	1,476	1,462	-	-	-	-	23	-	-	-	-	-	-	-	63	2,771	2,936	3,331	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	46	(1,255)	(1,446)	(1,853)	0.371	0.384	0.384	0.176	17	(482)	(555)	(326)
9	18	12	144	1,647	1,623	1,611	-	-	-	-	26	-	-	-	-	-	-	-	65	2,817	2,993	3,398	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	53	(1,161)	(1,361)	(1,772)	0.373	0.384	0.384	0.176	20	(446)	(523)	(312)
9	18	13	158	1,816	1,797	1,790	-	-	-	-	32	-	-	-	-	-	-	-	65	2,829	3,005	3,409	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	62	(1,004)	(1,199)	(1,605)	0.374	0.381	0.384	0.168	23	(382)	(460)	(270)
9	18	14	173	1,995	1,982	1,980	-	-	-	-	32	-	-	-	-	-	-	-	63	2,779	2,947	3,345	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	78	(780)	(958)	(1,362)	0.375	0.375	0.377	0.168	29	(292)	(361)	(230)
9	18	15	187	2,162	2,154	2,159	-	-	-	-	34	-	-	-	-	-	-	-	58	2,616	2,764	3,143	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	95	(452)	(609)	(983)	0.376	0.374	0.375	0.168	36	(169)	(229)	(165)
9	18	16	198	2,296	2,299	2,314	-	-	-	-	31	-	-	-	-	-	-	-	48	2,237	2,349	2,696	-	-	-	-	-	(1)	(1)	0	-	-	-	-	119	61	(49)	(382)	0.381	0.367	0.370	0.379	45	22	(18)	(145)
9	18	17	203	2,372	2,385	2,410	-	-	-	-	33	-	-	-	-	-	-	-	30	1,516	1,572	1,870	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	141	857	814	540	0.389	0.380	0.385	0.374	55	326	313	202
9	18	18	204	2,385	2,407	2,440	-	-	-	-	38	-	-	-	-	-	-	-	7	479	484	736	-	-	-	-	-	(2)	(0)	-	-	-	-	-	158	1,908	1,923	1,704	0.399	0.391	0.395	0.390	63	745	759	664
9	18	19	198	2,321	2,348	2,384	-	-	-	-	43	-	-	-	-	-	-	-	0	83	83	330	-	-	-	-	-	5	10	14	-	-	-	-	155	2,234	2,256	2,041	0.400	0.396	0.401	0.396	62	886	905	808
9	18	20	194	2,283	2,314	2,352	-	-	-	-	42	-	-	-	-	-	-	-	-	85	85	332	-	-	-	-	-	1	1	12	-	-	-	-	152	2,197	2,228	2,008	0.397	0.392	0.398	0.393	60	861	886	790
9	18	21	186	2,184	2,216	2,254	-	-	-	-	38	-	-	-	-	-	-	-	-	80	80	327	-	-	-	-	-	2	2	9	-	-	-	-	148	2,103	2,134	1,918	0.391	0.389	0.390	0.389	58	818	833	747
9	18	22	171	2,012	2,044	2,083	-	-	-	-	41	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	3	5	14	-	-	-	-	130	1,935	1,965	1,747	0.385	0.384	0.387	0.384	50	743	760	671
9	18	23	152	1,787	1,816	1,850	-	-	-	-	40	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	3	6	6	-	-	-	-	112	1,711	1,737	1,524	0.379	0.383	0.385	0.381	42	656	668	581
9	18	24	152	1,784	1,808	1,838	-	-	-	-	39	-	-	-	-	-	-	-	-	76	76	323	-	-	-	-	-	8	9	2	-	-	-	-	113	1,700	1,724	1,513	0.371	0.379	0.381	0.377	42	645	657	571
9	19	1	122	1,425	1,435	1,450	-	-	-	-	29	-	-	-	-	-	-	-	-	81	81	328	-	-	-	-	-	12	4	3	-	-	-	-	93	1,332	1,350	1,120	0.371	0.371	0.376	0.371	34	494	508	415
9	19	2	114	1,320	1,322	1,329	-	-	-	-	24	-	-	-	-	-	-	-	-	87	87	334	-	-	-	-	-	11	4	0	-	-	-	-	90	1,221	1,230	994	0.370	0.369	0.374	0.368	33	451	461	366
9	19	3	108	1,253	1,247	1,248	-	-	-	-	21	-	-	-	-	-	-	-	-	85	85	332	-	-	-	-	-	7	4	(1)	-	-	-	-	87	1,160	1,158	917	0.371	0.369	0.372	0.366	32	428	431	335
9	19	4	105	1,212	1,200	1,194	-	-	-	-	23	-	-	-	-	-	-	-	-	77	77	324	-	-	-	-	-	1	3	-	-	-	-	-	83	1,134	1,119	869	0.369	0.372	0.373	0.367	31	422	417	319
9	19	5	107	1,221	1,200	1,187	-	-	-	-	31	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	8	1	(5)	-	-	-	-	76	1,149	1,135	881	0.368	0.372	0.374	0.366	28	427	424	323
9	19	6	114	1,295	1,269	1,252	-	-	-	-	32	-	-	-	-	-	-	-	1	147	147	394	-	-	-	-	-	2	7	(5)	-	-	-	-	80	1,146	1,114	863	0.372	0.377	0.376	0.371	30	431	419	320
9	19	7	126	1,437	1,409	1,392	-	-	-	-	29	-	-	-	-	-	-	-	17	1,122	1,126	1,377	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	80	319	286	16	0.372	0.381	0.375	0.367	30	122	107	6
9	19	8	135	1,536	1,510	1,497	-	-	-	-	25	-	-	-	-	-	-	-	35	1,899	1,946	2,235	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	75	(353)	(429)	(737)	0.370	0.376	0.372	0.380	28	(133)	(160)	(280)
9	19	9	144	1,643	1,622	1,615	-	-	-	-	19	-	-	-	-	-	-	-	46	2,358	2,445	2,769	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	78	(700)	(812)	(1,146)	0.372	0.384	0.384	0.176	29	(269)	(312)	(202)
9	19	10	154	1,772	1,753	1,748	-	-	-	-	20	-	-	-	-	-	-	-	54	2,679	2,796	3,149	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	80	(888)	(1,026)	(1,384)	0.372	0.384	0.384	0.176	30	(341)	(394)	(243)
9	19	11	166	1,904	1,886	1,882	-	-	-	-	23	-	-	-	-	-	-	-	58	2,803	2,936	3,301	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	84	(887)	(1,036)	(1,403)	0.371	0.384	0.384	0.176	31	(341)	(398)	(247)
9	19	12	176	2,028	2,013	2,011	-	-	-	-	26	-	-	-	-	-	-	-	60	2,828	2,970	3,344	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	91	(791)	(947)	(1,318)	0.373	0.384	0.384	0.176	34	(304)	(364)	(232)
9	19	13	188	2,170	2,159	2,161	-	-	-	-	32	-	-	-	-	-	-	-	60	2,836	2,984	3,363	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	96	(658)	(816)	(1,188)	0.374	0.381	0.384	0.168	36	(250)	(313)	(200)
9	19	14	198	2,295	2,288	2,295	-	-	-	-	32	-	-	-	-	-	-	-	58	2,777	2,912	3,280	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	109	(478)	(616)	(982)	0.375	0.375	0.377	0.168	41	(179)	(232)	(166)
9	19	15	196	2,266	2,260	2,268	-	-	-	-	34	-	-	-	-	-	-	-	53	2,607	2,724	3,076	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	109	(340)	(463)	(807)	0.376	0.374	0.375	0.168	41	(127)	(174)	(135)
9	19	16	194	2,252	2,253	2,267	-	-	-	-	31	-	-	-	-	-	-	-	45	2,271	2,365	2,695	-	-	-	-	-	(1)	(1)	0	-	-	-	-	118	(18)	(110)	(428)	0.381	0.367	0.370	0.379	45	(6)	(41)	(162)
9	19	17	191	2,223	2,233	2,254	-	-	-	-	33	-	-	-	-	-	-	-	28	1,540	1,587	1,877	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	130	686	647	377	0.389	0.380	0.385	0.374	50	260	249	141
9	19	18	186	2,177	2,194	2,221	-	-	-	-	38	-	-	-	-	-	-	-	7	510	513	764	-	-	-	-	-	(2)	(0)	-	-	-	-	-	141	1,670	1,681	1,458	0.399	0.391	0.395	0.390	56	652	664	568
9	19	19	186	2,180	2,204	2,236	-	-	-	-	43	-	-	-	-	-	-	-	0	101	101	348	-	-	-	-	-	5	10	14	-	-	-	-	143	2,075	2,094	1,875	0.400	0.396	0.401	0.396	57	823	840	742
9	19	20	191	2,241	2,271	2,308	-	-	-	-	42	-	-	-	-	-	-	-	-	82	82	329	-	-	-	-	-	1	1	12	-	-	-	-	149	2,158	2,187	1,967	0.397	0.392	0.398	0.393	59	846	870	774
9	19	21	186	2,188	2,219	2,258	-	-	-	-	38	-	-	-	-	-	-	-	-	74	74	321	-	-	-	-	-	2	2	9	-	-	-	-	148	2,112	2,142	1,927	0.391	0.389	0.390	0.389	58	821	836	750
9	19	22	173	2,043	2,076	2,115	-	-	-	-	41	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	3	5	14	-	-	-	-	132	1,949	1,979	1,762	0.385	0.384	0.387	0.384	51	748	766	677
9	19	23	156	1,834	1,865	1,900	-	-	-	-	40	-	-	-	-	-	-	-	-	102	102	349	-	-	-	-	-	3	6	6	-	-	-	-	116	1,730	1,757	1,546	0.379	0.383	0.385	0.381	44	663	676	589
9	19	24	171	2,017	2,047	2,083	-	-	-	-	39	-	-	-	-	-	-	-	-	86	86	333	-	-	-	-	-	8	9	2	-	-	-	-	132	1,923	1,952	1,748	0.371	0.379	0.381	0.377	49	729	744	660
9	20	1	126	1,477	1,489	1,506	-	-	-	-	29	-	-	-	-	-	-	-	-	79	79	326	-	-	-	-	-	12	4	3	-	-	-	-	97	1,387	1,406	1,178	0.371	0.371	0.376	0.371	36	514	529	437
9	20	2	118	1,375	1,378	1,386	-	-	-	-	24	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	11	4	0	-	-	-	-	94	1,293	1,303	1,069	0.370	0.369	0.374	0.368	35	477	488	393
9	20	3	113	1,306	1,302	1,305	-	-	-	-	21	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	7	4	(1)	-	-	-	-	92	1,250	1,250	1,010	0.371	0.369	0.372	0.366	34	461	465	369
9	20	4	110	1,270	1,258	1,254	-	-	-	-	23	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	1	3	-	-	-	-	-	88	1,238	1,225	977	0.369	0.372	0.373	0.367	32	461	456	358
9	20	5	112	1,277	1,257	1,246	-	-	-	-	31	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	8	1	(5)	-	-	-	-	81	1,249	1,236	984	0.368	0.372	0.374	0.366	30	464	462	360
9	20	6	118	1,345	1,320	1,304	-	-	-	-	32	-	-	-	-	-	-	-	1	72	72	319	-	-	-	-	-	2	7	(5)	-	-	-	-	84	1,271	1,241	990	0.372	0.377	0.376	0.371	31	479	466	367
9	20	7	132	1,502	1,476	1,461	-	-	-	-	29	-	-	-	-	-	-	-	10	621	624	873	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	93	886	856	588	0.372	0.381	0.375	0.367	34	338	321	216
9	20	8	140	1,604	1,580	1,569	-	-	-	-	25	-	-	-	-	-	-	-	19	991	1,026	1,304	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	96	623	561	266	0.370	0.376	0.372	0.380	36	234	209	101
9	20	9	150	1,716	1,697	1,692	-	-	-	-	19	-	-	-	-	-	-	-	26	1,187	1,257	1,567	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	104	544	450	133	0.372	0.384	0.384	0.176	39	209	173	23
9	20	10	163	1,876	1,859	1,857	-	-	-	-	20	-	-	-	-	-	-	-	28	1,142	1,232	1,560	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	116	753	644	313	0.372	0.384	0.384	0.176	43	289	247	55
9	20	11	178	2,054	2,040	2,040	-	-	-	-	23	-	-	-	-	-	-	-	33	1,260	1,375	1,724	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	123	807	679	332	0.371	0.384	0.384	0.176	45	310	261	58
9	20	12	190	2,191	2,179	2,182	-	-	-	-	26	-	-	-	-	-	-	-	37	1,495	1,613	1,966	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	127	705	576	231	0.373	0.384	0.384	0.176	47	271	221	41
9	20	13	198	2,288	2,280	2,285	-	-	-	-	32	-	-	-	-	-	-	-	40	1,667	1,793	2,154	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	126	630	495	145	0.374	0.381	0.384	0.168	47	240	190	24
9	20	14	203	2,354	2,348	2,356	-	-	-	-	32	-	-	-	-	-	-	-	44	1,945	2,067	2,423	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	127	413	289	(64)	0.375	0.375	0.377	0.168	48	155	109	(11)
9	20	15	207	2,403	2,401	2,412	-	-	-	-	34	-	-	-	-	-	-	-	36	1,578	1,681	2,021	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	137	827	720	392	0.376	0.374	0.375	0.168	52	309	270	66
9	20	16	210	2,440	2,445	2,464	-	-	-	-	31	-	-	-	-	-	-	-	30	1,364	1,442	1,759	-	-	-	-	-	(1)	(1)	0	-	-	-	-	149	1,077	1,005	705	0.381	0.367	0.370	0.379	57	396	372	267
9	20	17	210	2,453	2,468	2,495	-	-	-	-	33	-	-	-	-	-	-	-	18	870	913	1,200	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	159	1,585	1,556	1,295	0.389	0.380	0.385	0.374	62	602	599	484
9	20	18	206	2,406	2,429	2,462	-	-	-	-	38	-	-	-	-	-	-	-	3	214	218	469	-	-	-	-	-	(2)	(0)	-	-	-	-	-	164	2,195	2,211	1,993	0.399	0.391	0.395	0.390	65	857	873	777
9	20	19	201	2,357	2,385	2,422	-	-	-	-	43	-	-	-	-	-	-	-	0	44	44	291	-	-	-	-	-	5	10	14	-	-	-	-	158	2,308	2,331	2,117	0.400	0.396	0.401	0.396	63	915	935	838
9	20	20	204	2,399	2,432	2,473	-	-	-	-	42	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	1	1	12	-	-	-	-	162	2,353	2,386	2,169	0.397	0.392	0.398	0.393	64	922	948	853
9	20	21	199	2,338	2,373	2,416	-	-	-	-	38	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	2	2	9	-	-	-	-	161	2,285	2,319	2,107	0.391	0.389	0.390	0.389	63	889	905	820
9	20	22	185	2,186	2,223	2,266	-	-	-	-	41	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	3	5	14	-	-	-	-	144	2,136	2,169	1,956	0.385	0.384	0.387	0.384	56	819	840	752
9	20	23	167	1,967	2,000	2,039	-	-	-	-	40	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	3	6	6	-	-	-	-	127	1,929	1,960	1,751	0.379	0.383	0.385	0.381	48	739	754	668
9	20	24	182	2,144	2,177	2,216	-	-	-	-	39	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	8	9	2	-	-	-	-	143	2,117	2,150	1,949	0.371	0.379	0.381	0.377	53	803	819	735
9	21	1	134	1,571	1,584	1,603	-	-	-	-	29	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	12	4	3	-	-	-	-	105	1,552	1,573	1,347	0.371	0.371	0.376	0.371	39	575	592	500

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	21	2	125	1,456	1,461	1,472	-	-	-	-	24	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	11	4	0	-	-	-	-	101	1,444	1,456	1,224	0.370	0.369	0.374	0.368	37	533	545	451
9	21	3	119	1,378	1,376	1,380	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	4	(1)	-	-	-	-	98	1,371	1,372	1,134	0.371	0.369	0.372	0.366	36	505	511	415
9	21	4	116	1,337	1,327	1,324	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	3	-	-	-	-	-	93	1,335	1,324	1,077	0.369	0.372	0.373	0.367	34	497	493	395
9	21	5	117	1,337	1,319	1,308	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	1	(5)	-	-	-	-	86	1,329	1,317	1,066	0.368	0.372	0.374	0.366	32	494	493	390
9	21	6	121	1,387	1,363	1,348	-	-	-	-	32	-	-	-	-	-	-	-	0	10	10	257	-	-	-	-	-	2	7	(5)	-	-	-	-	89	1,375	1,345	1,096	0.372	0.377	0.376	0.371	33	518	506	407
9	21	7	135	1,538	1,512	1,498	-	-	-	-	29	-	-	-	-	-	-	-	5	307	309	558	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	101	1,235	1,207	941	0.372	0.381	0.375	0.367	37	471	453	345
9	21	8	143	1,640	1,617	1,606	-	-	-	-	25	-	-	-	-	-	-	-	11	461	490	763	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	108	1,189	1,133	844	0.370	0.376	0.372	0.380	40	447	422	321
9	21	9	154	1,767	1,749	1,746	-	-	-	-	19	-	-	-	-	-	-	-	12	347	404	702	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	123	1,436	1,356	1,052	0.372	0.384	0.384	0.176	46	551	521	185
9	21	10	167	1,915	1,899	1,899	-	-	-	-	20	-	-	-	-	-	-	-	15	340	424	746	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	132	1,595	1,493	1,169	0.372	0.384	0.384	0.176	49	612	573	206
9	21	11	179	2,064	2,050	2,050	-	-	-	-	23	-	-	-	-	-	-	-	16	319	417	751	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	140	1,757	1,647	1,315	0.371	0.384	0.384	0.176	52	675	632	231
9	21	12	190	2,189	2,177	2,179	-	-	-	-	26	-	-	-	-	-	-	-	22	602	709	1,051	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	142	1,595	1,478	1,143	0.373	0.384	0.384	0.176	53	613	567	201
9	21	13	197	2,279	2,270	2,275	-	-	-	-	32	-	-	-	-	-	-	-	17	489	579	906	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	148	1,798	1,700	1,383	0.374	0.381	0.384	0.168	55	684	653	233
9	21	14	205	2,374	2,369	2,378	-	-	-	-	32	-	-	-	-	-	-	-	17	570	645	960	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	156	1,808	1,731	1,420	0.375	0.375	0.377	0.168	59	677	652	239
9	21	15	211	2,444	2,443	2,455	-	-	-	-	34	-	-	-	-	-	-	-	13	458	517	818	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	164	1,987	1,926	1,638	0.376	0.374	0.375	0.168	61	744	723	275
9	21	16	215	2,498	2,505	2,525	-	-	-	-	31	-	-	-	-	-	-	-	11	398	447	738	-	-	-	-	-	(1)	(1)	0	-	-	-	-	172	2,102	2,059	1,787	0.381	0.367	0.370	0.379	66	772	762	677
9	21	17	215	2,508	2,524	2,552	-	-	-	-	33	-	-	-	-	-	-	-	9	422	447	717	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	173	2,088	2,079	1,836	0.389	0.380	0.385	0.374	67	793	800	686
9	21	18	209	2,447	2,471	2,505	-	-	-	-	38	-	-	-	-	-	-	-	1	87	89	338	-	-	-	-	-	(2)	(0)	-	-	-	-	-	170	2,362	2,382	2,167	0.399	0.391	0.395	0.390	68	922	940	844
9	21	19	199	2,338	2,365	2,402	-	-	-	-	43	-	-	-	-	-	-	-	0	45	45	292	-	-	-	-	-	5	10	14	-	-	-	-	157	2,288	2,311	2,096	0.400	0.396	0.401	0.396	63	907	927	830
9	21	20	199	2,336	2,367	2,407	-	-	-	-	42	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	1	1	12	-	-	-	-	157	2,292	2,324	2,106	0.397	0.392	0.398	0.393	62	898	924	828
9	21	21	191	2,244	2,277	2,316	-	-	-	-	38	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	2	2	9	-	-	-	-	153	2,195	2,227	2,012	0.391	0.389	0.390	0.389	60	854	869	783
9	21	22	176	2,078	2,112	2,151	-	-	-	-	41	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	3	5	14	-	-	-	-	135	2,028	2,060	1,843	0.385	0.384	0.387	0.384	52	778	797	708
9	21	23	157	1,856	1,887	1,922	-	-	-	-	40	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	3	6	6	-	-	-	-	118	1,817	1,844	1,633	0.379	0.383	0.385	0.381	45	696	709	623
9	21	24	177	2,087	2,119	2,157	-	-	-	-	39	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	8	9	2	-	-	-	-	138	2,035	2,066	1,863	0.371	0.379	0.381	0.377	51	772	787	703
9	22	1	127	1,485	1,496	1,513	-	-	-	-	29	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	12	4	3	-	-	-	-	98	1,435	1,454	1,226	0.371	0.371	0.376	0.371	36	532	547	455
9	22	2	118	1,369	1,372	1,380	-	-	-	-	24	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	11	4	0	-	-	-	-	94	1,326	1,336	1,102	0.370	0.369	0.374	0.368	35	489	500	405
9	22	3	112	1,298	1,294	1,296	-	-	-	-	21	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	7	4	(1)	-	-	-	-	91	1,260	1,259	1,019	0.371	0.369	0.372	0.366	34	465	469	373
9	22	4	109	1,259	1,247	1,242	-	-	-	-	23	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	1	3	-	-	-	-	-	87	1,241	1,228	979	0.369	0.372	0.373	0.367	32	462	457	359
9	22	5	110	1,260	1,240	1,228	-	-	-	-	31	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	8	1	(5)	-	-	-	-	79	1,244	1,230	977	0.368	0.372	0.374	0.366	29	462	460	358
9	22	6	116	1,326	1,300	1,284	-	-	-	-	32	-	-	-	-	-	-	-	1	69	69	316	-	-	-	-	-	2	7	(5)	-	-	-	-	83	1,255	1,223	973	0.372	0.377	0.376	0.371	31	472	460	361
9	22	7	130	1,478	1,451	1,435	-	-	-	-	29	-	-	-	-	-	-	-	17	1,031	1,034	1,284	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	84	451	420	152	0.372	0.381	0.375	0.367	31	172	158	56
9	22	8	138	1,577	1,551	1,539	-	-	-	-	25	-	-	-	-	-	-	-	30	1,634	1,668	1,945	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	84	(48)	(110)	(405)	0.370	0.376	0.372	0.380	31	(18)	(41)	(154)
9	22	9	144	1,650	1,629	1,622	-	-	-	-	19	-	-	-	-	-	-	-	41	2,153	2,214	2,515	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	84	(488)	(574)	(884)	0.372	0.384	0.384	0.176	31	(188)	(220)	(156)
9	22	10	152	1,738	1,718	1,712	-	-	-	-	20	-	-	-	-	-	-	-	50	2,556	2,638	2,958	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	82	(798)	(902)	(1,229)	0.372	0.384	0.384	0.176	31	(306)	(346)	(216)
9	22	11	158	1,811	1,791	1,785	-	-	-	-	23	-	-	-	-	-	-	-	51	2,619	2,708	3,035	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	83	(795)	(903)	(1,233)	0.371	0.384	0.384	0.176	31	(305)	(347)	(217)
9	22	12	163	1,874	1,855	1,849	-	-	-	-	26	-	-	-	-	-	-	-	43	2,114	2,199	2,523	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	94	(231)	(335)	(659)	0.373	0.384	0.384	0.176	35	(89)	(129)	(116)
9	22	13	166	1,904	1,887	1,882	-	-	-	-	32	-	-	-	-	-	-	-	45	2,290	2,371	2,691	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	89	(378)	(476)	(796)	0.374	0.381	0.384	0.168	33	(144)	(183)	(134)
9	22	14	169	1,943	1,928	1,925	-	-	-	-	32	-	-	-	-	-	-	-	37	1,884	1,956	2,267	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	100	63	(20)	(339)	0.375	0.375	0.377	0.168	37	24	(8)	(57)
9	22	15	170	1,962	1,949	1,948	-	-	-	-	34	-	-	-	-	-	-	-	24	1,092	1,162	1,473	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	112	871	787	477	0.376	0.374	0.375	0.168	42	326	296	80
9	22	16	172	1,992	1,987	1,994	-	-	-	-	31	-	-	-	-	-	-	-	24	1,132	1,195	1,499	-	-	-	-	-	(1)	(1)	0	-	-	-	-	117	862	793	495	0.381	0.367	0.370	0.379	45	317	294	187
9	22	17	172	2,003	2,008	2,022	-	-	-	-	33	-	-	-	-	-	-	-	20	1,092	1,123	1,398	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	120	913	886	624	0.389	0.380	0.385	0.374	46	347	341	233
9	22	18	169	1,977	1,990	2,011	-	-	-	-	38	-	-	-	-	-	-	-	3	257	259	507	-	-	-	-	-	(2)	(0)	-	-	-	-	-	128	1,722	1,731	1,504	0.399	0.391	0.395	0.390	51	673	684	586
9	22	19	167	1,951	1,969	1,995	-	-	-	-	43	-	-	-	-	-	-	-	0	75	75	322	-	-	-	-	-	5	10	14	-	-	-	-	124	1,870	1,884	1,658	0.400	0.396	0.401	0.396	50	741	756	657
9	22	20	172	2,013	2,037	2,068	-	-	-	-	42	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	1	1	12	-	-	-	-	130	1,938	1,962	1,736	0.397	0.392	0.398	0.393	51	760	780	683
9	22	21	167	1,961	1,987	2,019	-	-	-	-	38	-	-	-	-	-	-	-	-	82	82	329	-	-	-	-	-	2	2	9	-	-	-	-	129	1,877	1,902	1,680	0.391	0.389	0.390	0.389	50	730	742	654
9	22	22	156	1,840	1,868	1,902	-	-	-	-	41	-	-	-	-	-	-	-	-	80	80	327	-	-	-	-	-	3	5	14	-	-	-	-	115	1,757	1,783	1,560	0.385	0.384	0.387	0.384	44	674	690	599
9	22	23	141	1,662	1,688	1,719	-	-	-	-	40	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	3	6	6	-	-	-	-	101	1,585	1,608	1,391	0.379	0.383	0.385	0.381	38	607	618	530
9	22	24	151	1,774	1,798	1,828	-	-	-	-	39	-	-	-	-	-	-	-	-	68	68	315	-	-	-	-	-	8	9	2	-	-	-	-	112	1,698	1,722	1,511	0.371	0.379	0.381	0.377	41	644	656	570
9	23	1	116	1,358	1,366	1,380	-	-	-	-	29	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	12	4	3	-	-	-	-	87	1,278	1,294	1,062	0.371	0.371	0.376	0.371	32	474	487	394
9	23	2	108	1,248	1,248	1,253	-	-	-	-	24	-	-	-	-	-	-	-	-	71	71	318	-	-	-	-	-	11	4	0	-	-	-	-	84	1,166	1,173	935	0.370	0.369	0.374	0.368	31	430	439	344
9	23	3	101	1,162	1,154	1,153	-	-	-	-	21	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	7	4	(1)	-	-	-	-	80	1,085	1,081	837	0.371	0.369	0.372	0.366	30	400	402	306
9	23	4	99	1,132	1,117	1,109	-	-	-	-	23	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	1	3	-	-	-	-	-	76	1,066	1,049	797	0.369	0.372	0.373	0.367	28	396	391	292
9	23	5	101	1,149	1,126	1,111	-	-	-	-	31	-	-	-	-	-	-	-	-	59	59	306	-	-	-	-	-	8	1	(5)	-	-	-	-	70	1,082	1,066	810	0.368	0.372	0.374	0.366	26	402	399	297
9	23	6	109	1,238	1,211	1,192	-	-	-	-	32	-	-	-	-	-	-	-	1	133	133	380	-	-	-	-	-	2	7	(5)	-	-	-	-	75	1,103	1,070	817	0.372	0.377	0.376	0.371	28	415	402	303
9	23	7	121	1,374	1,344	1,325	-	-	-	-	29	-	-	-	-	-	-	-	19	1,189	1,193	1,444	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	73	189	155	(118)	0.372	0.381	0.375	0.367	27	72	58	(43)
9	23	8	128	1,457	1,429	1,413	-	-	-	-	25	-	-	-	-	-	-	-	37	2,000	2,051	2,344	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	67	(534)	(616)	(930)	0.370	0.376	0.372	0.380	25	(200)	(229)	(354)
9	23	9	135	1,537	1,513	1,503	-	-	-	-	19	-	-	-	-	-	-	-	50	2,501	2,600	2,936	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	65	(950)	(1,076)	(1,425)	0.372	0.384	0.384	0.176	24	(365)	(413)	(251)
9	23	10	142	1,623	1,600	1,592	-	-	-	-	20	-	-	-	-	-	-	-	58	2,762	2,893	3,257	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	65	(1,119)	(1,275)	(1,649)	0.372	0.384	0.384	0.176	24	(430)	(490)	(290)
9	23	11	148	1,700	1,677	1,668	-	-	-	-	23	-	-	-	-	-	-	-	61	2,834	2,982	3,362	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	64	(1,121)	(1,291)	(1,678)	0.371	0.384	0.384	0.176	24	(431)	(496)	(295)
9	23	12	153	1,757	1,735	1,726	-	-	-	-	26	-	-	-	-	-	-	-	62	2,853	3,011	3,399	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	65	(1,087)	(1,267)	(1,659)	0.373	0.384	0.384	0.176	24	(418)	(486)	(292)
9	23	13	156	1,793	1,773	1,765	-	-	-	-	32	-	-	-	-	-	-	-	61	2,836	2,988	3,370	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	63	(1,035)	(1,206)	(1,591)	0.374	0.381	0.384	0.168	24	(394)	(463)	(268)
9	23	14	160	1,839	1,822	1,816	-	-	-	-	32	-	-	-	-	-	-	-	60	2,813	2,957	3,333	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	68	(970)	(1,128)	(1,514)	0.375	0.375	0.377	0.168	26	(364)	(425)	(255)
9	23	15	163	1,877	1,862	1,859	-	-	-	-	34	-	-	-	-	-	-	-	57	2,671	2,802	3,167	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	73	(792)	(939)	(1,306)	0.376	0.374	0.375	0.168	27	(296)	(353)	(219)
9	23	16	166	1,924	1,918	1,923	-	-	-	-	31	-	-	-	-	-	-	-	48	2,277	2,385	2,729	-	-	-	-	-	(1)	(1)	0	-	-	-	-	88	(352)	(466)	(806)	0.381	0.367	0.370	0.379	33	(129)	(173)	(305)
9	23	17	168	1,946	1,949	1,962	-	-	-	-	33	-	-	-	-	-	-	-	28	1,447	1,504	1,802	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	106	501	447	161	0.389	0.380	0.385	0.374	41	190	172	60
9	23	18	165	1,929	1,941	1,961	-	-	-	-	38	-	-	-	-	-	-	-	5	351	354	605	-	-	-	-	-	(2)	(0)	-	-	-	-	-	122	1,581	1,586	1,356	0.399	0.391	0.395	0.390	49	617	626	529
9	23	19	164	1,913	1,930	1,955	-	-	-	-	43	-	-	-	-	-	-	-	0	65	65	312	-	-	-	-	-	5	10	14	-	-	-	-	121	1,842	1,854	1,628	0.400	0.396	0.401	0.396	48	730	744	645
9	23	20	167	1,964	1,987	2,017	-	-	-	-	42	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	1	1	12	-	-	-	-	125	1,898	1,920	1,693	0.397	0.392	0.398	0.393	50	744	763	666
9	23	21	163	1,918	1,943	1,974	-	-	-	-	38	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	2	2	9	-	-	-	-	125	1,861	1,885	1,662	0.391	0.389	0.390	0.389	49	724	736	647
9	23	22	154	1,813	1,841	1,874	-	-	-	-	41	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	3	5	14	-	-	-	-	113	1,750	1,775	1,552	0.385	0.384	0.387	0.384	44	672	687	596
9	23	23	142	1,669	1,695	1,726	-	-	-	-	40	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	3	6	6	-	-	-	-	102	1,615	1,639	1,423	0.379	0.383	0.385	0.381	39	619	630	542
9	23	24	146	1,716	1,738	1,766	-	-	-	-	39	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	8	9	2	-	-	-	-	107	1,679	1,701	1,489	0.371	0.379	0.381	0.377	40	637	648	562
9	24	1	118	1,376	1,385	1,399	-	-	-	-	29	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	12	4	3	-	-	-	-	89	1,355	1,371	1,140	0.371	0.371	0.376	0.371	33	502	516	423
9	24	2	110	1,281	1,282	1,288	-	-	-	-	24	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	11	4	0	-	-	-	-	86	1,270	1,278	1,041	0.370	0.369	0.374	0.368	32	468	478	383
9	24	3	105	1,210	1,203	1,203	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	4	(1)	-	-	-	-	84	1,202	1,199	957	0.371	0.369	0.372	0.366	31	443	447	350
9	24	4	102	1,167	1,153	1,146	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	3	-	-	-	-	-	79	1,166	1,150	899	0.369	0.372	0.373	0.367	29	434	428	329
9	24	5	101	1,148	1,125	1,110	-	-	-	-	31	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	1	(5)	-	-	-	-	70	1,140	1,124	868	0.368	0.372	0.374	0.366	26	424	420	318
9	24	6	103	1,164	1,135	1,115	-	-	-	-	32	-	-	-	-	-	-	-	1	79	79	326	-	-	-	-	-	2	7	(5)	-	-	-	-	69	1,083	1,049	794	0.372	0.377	0.376	0.371	26	408	394	294
9	24	7	107	1,207	1,174	1,151	-	-	-	-	29	-	-	-	-	-	-	-	18	1,122	1,126	1,377	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	59	89	51	(226)	0.372	0.381	0.375	0.367	22	34	19	(83)
9	24	8	110	1,249	1,217	1,196	-	-	-	-	25	-	-	-	-	-	-	-	37	1,927	1,984	2,283	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	49	(668)	(761)	(1,086)	0.370	0.376	0.372	0.380	18	(251)	(283)	(413)
9	24	9	119	1,349	1,321	1,307	-	-	-	-	19	-	-	-	-	-	-	-	51	2,411	2,520	2,865	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	49	(1,047)	(1,188)	(1,550)	0.372	0.384	0.384	0.176	18	(402)	(456)	(273)
9	24	10	128	1,463	1,437	1,425	-	-	-	-	20	-	-	-	-	-	-	-	59	2,694	2,840	3,219	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	49	(1,211)	(1,386)	(1,778)	0.372	0.384	0.384	0.176	18	(465)	(532)	(313)
9	24	11	137	1,567	1,541	1,529	-	-	-	-	23	-	-	-	-	-	-	-	64	2,831	2,999	3,396	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	50	(1,252)	(1,444)	(1,851)	0.371	0.384	0.384	0.176	19	(481)	(554)	(326)
9	24	12	145	1,655	1,630	1,619	-	-	-	-	26	-	-	-	-	-	-	-	66	2,866	3,044	3,451	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	53	(1,203)	(1,404)	(1,817)	0.373	0.384	0.384	0.176	20	(462)	(539)	(320)
9	24	13	153	1,752	1,731	1,722	-	-	-	-	32	-	-	-	-	-	-	-	64	2,784	2,960	3,365	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	57	(1,024)	(1,220)	(1,629)	0.374	0.381	0.384	0.168	21	(390)	(469)	(274)
9	24	14	161	1,848	1,831	1,826	-	-	-	-	32	-	-	-	-	-	-	-	64	2,802	2,973	3,373	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	65	(950)	(1,134)	(1,544)	0.375	0.375	0.377	0.168	24	(356)	(428)	(260)
9	24	15	169	1,952	1,939	1,938	-	-	-	-	34	-	-	-	-	-	-	-	58	2,580	2,730	3,111	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	78	(627)	(790)	(1,172)	0.376	0.374	0.375	0.168	29	(235)	(297)	(196)
9	24	16	177	2,048	2,044	2,053	-	-	-	-	31	-	-	-	-	-	-	-	47	2,159	2,273	2,622	-	-	-	-	-	(1)	(1)	0	-	-	-	-	99	(110)	(227)	(570)	0.381	0.367	0.370	0.379	38	(40)	(84)	(216)
9	24	17	181	2,102	2,109	2,126	-	-	-	-	33	-	-	-	-	-	-	-	28	1,342	1,399	1,698	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	120	762	711	428	0.389	0.380	0.385	0.374	47	289	274	160
9	24	18	179	2,092	2,108	2,132	-	-	-	-	38	-	-	-	-	-	-	-	4	257	261	511	-	-	-	-	-	(2)	(0)	-	-	-	-	-	136	1,837	1,847	1,622	0.399	0.391	0.395	0.390	54	718	729	632
9	24	19	174	2,038	2,058	2,087	-	-	-	-	43	-	-	-	-	-	-	-	0	24	24	271	-	-	-	-	-	5	10	14	-	-	-	-	132	2,010	2,025	1,803	0.400	0.396	0.401	0.396	53	797	813	714
9	24	20	173	2,034	2,058	2,090	-	-	-	-	42	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	1	1	12	-	-	-	-	131	2,003	2,027	1,801	0.397	0.392	0.398	0.393	52	785	806	709
9	24	21	166	1,953	1,978	2,011	-	-	-	-	38	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	2	2	9	-	-	-	-	128	1,924	1,949	1,727	0.391	0.389	0.390	0.389	50	748	761	672
9	24	22	156	1,835	1,863	1,897	-	-	-	-	41	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	3	5	14	-	-	-	-	115	1,812	1,837	1,615	0.385	0.384	0.387	0.384	44	695	711	621
9	24	23	143	1,690	1,716	1,748	-	-	-	-	40	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	3	6	6	-	-	-	-	104	1,668	1,692	1,477	0.379	0.383	0.385	0.381	39	639	651	563
9	24	24	146	1,717	1,740	1,768	-	-	-	-	39	-	-	-	-	-	-	-	-	13	13	260	-	-	-	-	-	8	9	2	-	-	-	-	107	1,695	1,718	1,506	0.371	0.379	0.381	0.377	40	643	655	568
9	25	1	120	1,397	1,407	1,422	-	-	-	-	29	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	12	4	3	-	-	-	-	90	1,376	1,394	1,163	0.371	0.371	0.376	0.371	34	510	524	431
9	25	2	111	1,292	1,293	1,300	-	-	-	-	24	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	11	4	0	-	-	-	-	87	1,275	1,283	1,047	0.370	0.369	0.374	0.368	32	470	480	385
9	25	3	105	1,217	1,211	1,210	-	-	-	-	21	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	7	4	(1)	-	-	-	-	84	1,205	1,203	960	0.371	0.369	0.372	0.366	31	444	448	351
9	25	4	102	1,166	1,152	1,145	-	-	-	-	23	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	3	-	-	-	-	-	79	1,163	1,147	896	0.369	0.372	0.373	0.367	29	433	427	329
9	25	5	100	1,140	1,117	1,101	-	-	-	-	31	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	8	1	(5)	-	-	-	-	69	1,130	1,114	858	0.368	0.372	0.374	0.366	25	420	417	314
9	25	6	100	1,130	1,100	1,079	-	-	-	-	32	-	-	-	-	-	-	-	1	82	82	329	-	-	-	-	-	2	7	(5)	-	-	-	-	66	1,046	1,011	755	0.372	0.377	0.376	0.371	25	394	380	280
9	25	7	102	1,150	1,115	1,091	-	-	-	-	29	-	-	-	-	-	-	-	18	1,088	1,092	1,342	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	55	67	27	(251)	0.372	0.381	0.375	0.367	21	25	10	(92)
9	25	8	105	1,180	1,146	1,123	-	-	-	-	25	-	-	-	-	-	-	-	37	1,899	1,956	2,254	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	43	(709)	(803)	(1,130)	0.370	0.376	0.372	0.380	16	(266)	(299)	(430)
9	25	9	114	1,291	1,261	1,245	-	-	-	-	19	-	-	-	-	-	-	-	50	2,389	2,497	2,840	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	44	(1,084)	(1,224)	(1,586)	0.372	0.384	0.384	0.176	17	(416)	(470)	(279)
9	25	10	126	1,429	1,402	1,388	-	-	-	-	20	-	-	-	-	-	-	-	58	2,640	2,784	3,161	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	47	(1,191)	(1,365)	(1,756)	0.372	0.384	0.384	0.176	18	(457)	(524)	(309)
9	25	11	139	1,588	1,563	1,551	-	-	-	-	23	-	-	-	-	-	-	-	63	2,782	2,947	3,341	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	53	(1,181)	(1,370)	(1,774)	0.371	0.384	0.384	0.176	20	(454)	(526)	(312)
9	25	12	152	1,748	1,726	1,717	-	-	-	-	26	-	-	-	-	-	-	-	64	2,775	2,951	3,356	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	62	(1,019)	(1,216)	(1,624)	0.373	0.384	0.384	0.176	23	(391)	(467)	(286)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	25	13	166	1,911	1,893	1,889	-	-	-	-	32	-	-	-	-	-	-	-	62	2,687	2,859	3,260	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	72	(768)	(957)	(1,357)	0.374	0.381	0.384	0.168	27	(292)	(367)	(228)
9	25	14	180	2,079	2,067	2,068	-	-	-	-	32	-	-	-	-	-	-	-	62	2,703	2,870	3,266	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	86	(620)	(795)	(1,196)	0.375	0.375	0.377	0.168	32	(232)	(300)	(201)
9	25	15	194	2,246	2,240	2,247	-	-	-	-	34	-	-	-	-	-	-	-	57	2,527	2,674	3,053	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	103	(280)	(433)	(804)	0.376	0.374	0.375	0.168	39	(105)	(163)	(135)
9	25	16	206	2,388	2,393	2,410	-	-	-	-	31	-	-	-	-	-	-	-	47	2,173	2,285	2,633	-	-	-	-	-	(1)	(1)	0	-	-	-	-	127	217	109	(223)	0.381	0.367	0.370	0.379	48	80	40	(84)
9	25	17	212	2,469	2,484	2,511	-	-	-	-	33	-	-	-	-	-	-	-	27	1,327	1,382	1,679	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	151	1,143	1,104	833	0.389	0.380	0.385	0.374	59	434	425	311
9	25	18	212	2,479	2,504	2,539	-	-	-	-	38	-	-	-	-	-	-	-	4	224	227	476	-	-	-	-	-	(2)	(0)	-	-	-	-	-	169	2,258	2,278	2,063	0.399	0.391	0.395	0.390	68	882	899	804
9	25	19	208	2,435	2,465	2,504	-	-	-	-	43	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	5	10	14	-	-	-	-	165	2,429	2,455	2,242	0.400	0.396	0.401	0.396	66	963	985	888
9	25	20	206	2,420	2,453	2,495	-	-	-	-	42	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	1	1	12	-	-	-	-	164	2,417	2,451	2,235	0.397	0.392	0.398	0.393	65	947	974	879
9	25	21	196	2,306	2,341	2,382	-	-	-	-	38	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	2	2	9	-	-	-	-	158	2,304	2,337	2,125	0.391	0.389	0.390	0.389	62	896	912	827
9	25	22	180	2,122	2,157	2,198	-	-	-	-	41	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	3	5	14	-	-	-	-	139	2,119	2,151	1,937	0.385	0.384	0.387	0.384	54	813	833	744
9	25	23	160	1,887	1,918	1,955	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	6	6	-	-	-	-	120	1,884	1,913	1,702	0.379	0.383	0.385	0.381	46	722	736	649
9	25	24	160	1,881	1,907	1,940	-	-	-	-	39	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	9	2	-	-	-	-	121	1,872	1,899	1,691	0.371	0.379	0.381	0.377	45	710	724	638
9	26	1	128	1,500	1,512	1,529	-	-	-	-	29	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	12	4	3	-	-	-	-	99	1,488	1,508	1,280	0.371	0.371	0.376	0.371	37	552	567	475
9	26	2	119	1,383	1,386	1,395	-	-	-	-	24	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	11	4	0	-	-	-	-	95	1,371	1,381	1,147	0.370	0.369	0.374	0.368	35	506	517	422
9	26	3	113	1,309	1,305	1,307	-	-	-	-	21	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	7	4	(1)	-	-	-	-	92	1,301	1,300	1,060	0.371	0.369	0.372	0.366	34	480	484	388
9	26	4	110	1,267	1,256	1,251	-	-	-	-	23	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	1	3	-	-	-	-	-	88	1,263	1,250	1,002	0.369	0.372	0.373	0.367	32	470	466	367
9	26	5	111	1,274	1,254	1,242	-	-	-	-	31	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	8	1	(5)	-	-	-	-	80	1,260	1,247	995	0.368	0.372	0.374	0.366	30	468	466	364
9	26	6	118	1,345	1,320	1,304	-	-	-	-	32	-	-	-	-	-	-	-	1	71	71	318	-	-	-	-	-	2	7	(5)	-	-	-	-	84	1,273	1,242	992	0.372	0.377	0.376	0.371	31	479	467	368
9	26	7	131	1,493	1,466	1,451	-	-	-	-	29	-	-	-	-	-	-	-	17	1,074	1,078	1,329	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	84	423	392	123	0.372	0.381	0.375	0.367	31	161	147	45
9	26	8	140	1,601	1,576	1,565	-	-	-	-	25	-	-	-	-	-	-	-	36	1,839	1,895	2,193	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	80	(228)	(312)	(627)	0.370	0.376	0.372	0.380	29	(86)	(116)	(239)
9	26	9	153	1,751	1,732	1,728	-	-	-	-	19	-	-	-	-	-	-	-	49	2,336	2,443	2,787	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	84	(570)	(700)	(1,050)	0.372	0.384	0.384	0.176	31	(219)	(269)	(185)
9	26	10	169	1,950	1,935	1,935	-	-	-	-	20	-	-	-	-	-	-	-	58	2,588	2,732	3,108	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	92	(619)	(779)	(1,156)	0.372	0.384	0.384	0.176	34	(238)	(299)	(203)
9	26	11	188	2,167	2,155	2,158	-	-	-	-	23	-	-	-	-	-	-	-	61	2,673	2,836	3,229	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	104	(494)	(667)	(1,055)	0.371	0.384	0.384	0.176	38	(190)	(256)	(185)
9	26	12	206	2,386	2,379	2,387	-	-	-	-	26	-	-	-	-	-	-	-	62	2,676	2,848	3,249	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	118	(282)	(460)	(848)	0.373	0.384	0.384	0.176	44	(108)	(177)	(149)
9	26	13	224	2,593	2,592	2,605	-	-	-	-	32	-	-	-	-	-	-	-	61	2,638	2,805	3,203	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	131	(36)	(204)	(583)	0.374	0.381	0.384	0.168	49	(14)	(79)	(98)
9	26	14	241	2,806	2,811	2,831	-	-	-	-	32	-	-	-	-	-	-	-	61	2,656	2,819	3,212	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	149	153	(0)	(378)	0.375	0.375	0.377	0.168	56	57	(0)	(64)
9	26	15	255	2,965	2,977	3,002	-	-	-	-	34	-	-	-	-	-	-	-	55	2,442	2,585	2,960	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	166	524	392	43	0.376	0.374	0.375	0.168	62	196	147	7
9	26	16	265	3,095	3,116	3,152	-	-	-	-	31	-	-	-	-	-	-	-	45	2,076	2,185	2,529	-	-	-	-	-	(1)	(1)	0	-	-	-	-	189	1,020	933	623	0.381	0.367	0.370	0.379	72	375	345	236
9	26	17	269	3,145	3,177	3,222	-	-	-	-	33	-	-	-	-	-	-	-	27	1,306	1,360	1,656	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	208	1,841	1,818	1,566	0.389	0.380	0.385	0.374	81	699	700	585
9	26	18	264	3,094	3,133	3,184	-	-	-	-	38	-	-	-	-	-	-	-	4	217	220	469	-	-	-	-	-	(2)	(0)	-	-	-	-	-	221	2,879	2,914	2,715	0.399	0.391	0.395	0.390	88	1,124	1,150	1,058
9	26	19	253	2,970	3,013	3,066	-	-	-	-	43	-	-	-	-	-	-	-	0	7	7	254	-	-	-	-	-	5	10	14	-	-	-	-	210	2,959	2,997	2,798	0.400	0.396	0.401	0.396	84	1,173	1,203	1,108
9	26	20	246	2,890	2,935	2,989	-	-	-	-	42	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	1	1	12	-	-	-	-	204	2,884	2,929	2,725	0.397	0.392	0.398	0.393	81	1,130	1,164	1,072
9	26	21	232	2,733	2,777	2,830	-	-	-	-	38	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	2	2	9	-	-	-	-	194	2,730	2,773	2,572	0.391	0.389	0.390	0.389	76	1,062	1,082	1,001
9	26	22	210	2,474	2,518	2,568	-	-	-	-	41	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	3	5	14	-	-	-	-	169	2,472	2,512	2,307	0.385	0.384	0.387	0.384	65	948	972	886
9	26	23	184	2,168	2,206	2,250	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	6	6	-	-	-	-	144	2,165	2,200	1,997	0.379	0.383	0.385	0.381	55	830	846	761
9	26	24	203	2,397	2,436	2,482	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	9	2	-	-	-	-	164	2,389	2,427	2,233	0.371	0.379	0.381	0.377	61	906	925	843
9	27	1	144	1,684	1,701	1,723	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	4	3	-	-	-	-	115	1,672	1,696	1,473	0.371	0.371	0.376	0.371	42	620	638	546
9	27	2	132	1,543	1,550	1,563	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	11	4	0	-	-	-	-	109	1,532	1,546	1,316	0.370	0.369	0.374	0.368	40	565	579	484
9	27	3	125	1,449	1,448	1,454	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	7	4	(1)	-	-	-	-	104	1,441	1,444	1,208	0.371	0.369	0.372	0.366	39	531	538	442
9	27	4	120	1,389	1,381	1,379	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	3	-	-	-	-	-	98	1,388	1,377	1,132	0.369	0.372	0.373	0.367	36	516	513	415
9	27	5	121	1,386	1,369	1,360	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	1	(5)	-	-	-	-	90	1,378	1,367	1,118	0.368	0.372	0.374	0.366	33	512	511	409
9	27	6	126	1,443	1,420	1,407	-	-	-	-	32	-	-	-	-	-	-	-	1	44	44	291	-	-	-	-	-	2	7	(5)	-	-	-	-	93	1,397	1,369	1,122	0.372	0.377	0.376	0.371	35	526	514	416
9	27	7	139	1,593	1,569	1,556	-	-	-	-	29	-	-	-	-	-	-	-	15	896	899	1,150	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	96	702	673	407	0.372	0.381	0.375	0.367	36	268	253	149
9	27	8	148	1,693	1,671	1,662	-	-	-	-	25	-	-	-	-	-	-	-	27	1,335	1,384	1,675	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	96	367	293	(12)	0.370	0.376	0.372	0.380	36	138	109	(5)
9	27	9	160	1,833	1,817	1,815	-	-	-	-	19	-	-	-	-	-	-	-	41	1,913	2,005	2,333	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	99	(65)	(177)	(510)	0.372	0.384	0.384	0.176	37	(25)	(68)	(90)
9	27	10	175	2,020	2,007	2,009	-	-	-	-	20	-	-	-	-	-	-	-	40	1,656	1,777	2,131	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	116	384	248	(106)	0.372	0.384	0.384	0.176	43	147	95	(19)
9	27	11	192	2,222	2,212	2,216	-	-	-	-	23	-	-	-	-	-	-	-	49	2,146	2,279	2,646	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	120	88	(54)	(414)	0.371	0.384	0.384	0.176	44	34	(21)	(73)
9	27	12	208	2,404	2,398	2,405	-	-	-	-	26	-	-	-	-	-	-	-	52	2,217	2,364	2,744	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	130	196	42	(323)	0.373	0.384	0.384	0.176	48	75	16	(57)
9	27	13	222	2,573	2,571	2,584	-	-	-	-	32	-	-	-	-	-	-	-	46	1,828	1,973	2,350	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	145	753	607	248	0.374	0.381	0.384	0.168	54	287	233	42
9	27	14	234	2,723	2,727	2,744	-	-	-	-	32	-	-	-	-	-	-	-	42	1,725	1,853	2,215	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	161	1,002	881	532	0.375	0.375	0.377	0.168	60	375	332	90
9	27	15	242	2,814	2,821	2,843	-	-	-	-	34	-	-	-	-	-	-	-	47	2,177	2,288	2,634	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	161	638	534	210	0.376	0.374	0.375	0.168	60	239	200	35
9	27	16	247	2,882	2,899	2,928	-	-	-	-	31	-	-	-	-	-	-	-	37	1,796	1,871	2,186	-	-	-	-	-	(1)	(1)	0	-	-	-	-	179	1,088	1,029	743	0.381	0.367	0.370	0.379	68	400	381	281
9	27	17	245	2,870	2,895	2,933	-	-	-	-	33	-	-	-	-	-	-	-	19	959	995	1,274	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	193	1,913	1,902	1,659	0.389	0.380	0.385	0.374	75	726	732	620
9	27	18	236	2,765	2,796	2,839	-	-	-	-	38	-	-	-	-	-	-	-	2	140	141	389	-	-	-	-	-	(2)	(0)	-	-	-	-	-	195	2,627	2,655	2,449	0.399	0.391	0.395	0.390	78	1,026	1,048	954
9	27	19	227	2,670	2,706	2,751	-	-	-	-	43	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	5	10	14	-	-	-	-	185	2,634	2,665	2,459	0.400	0.396	0.401	0.396	74	1,044	1,070	974
9	27	20	225	2,649	2,688	2,736	-	-	-	-	42	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	1	1	12	-	-	-	-	183	2,627	2,666	2,456	0.397	0.392	0.398	0.393	73	1,029	1,060	966
9	27	21	215	2,530	2,569	2,617	-	-	-	-	38	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	2	2	9	-	-	-	-	177	2,505	2,544	2,337	0.391	0.389	0.390	0.389	69	974	993	910
9	27	22	199	2,345	2,386	2,433	-	-	-	-	41	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	3	5	14	-	-	-	-	158	2,316	2,354	2,145	0.385	0.384	0.387	0.384	61	889	911	824
9	27	23	177	2,089	2,125	2,167	-	-	-	-	40	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	3	6	6	-	-	-	-	137	2,054	2,088	1,882	0.379	0.383	0.385	0.381	52	787	803	718
9	27	24	201	2,373	2,412	2,457	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	8	9	2	-	-	-	-	162	2,329	2,367	2,172	0.371	0.379	0.381	0.377	60	883	902	820
9	28	1	142	1,664	1,680	1,701	-	-	-	-	29	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	12	4	3	-	-	-	-	113	1,616	1,640	1,416	0.371	0.371	0.376	0.371	42	599	617	525
9	28	2	132	1,537	1,544	1,557	-	-	-	-	24	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	11	4	0	-	-	-	-	108	1,481	1,495	1,265	0.370	0.369	0.374	0.368	40	546	560	465
9	28	3	125	1,452	1,452	1,458	-	-	-	-	21	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	7	4	(1)	-	-	-	-	104	1,391	1,394	1,157	0.371	0.369	0.372	0.366	39	513	519	423
9	28	4	122	1,405	1,397	1,396	-	-	-	-	23	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	1	3	-	-	-	-	-	99	1,342	1,331	1,087	0.369	0.372	0.373	0.367	37	499	496	398
9	28	5	122	1,405	1,388	1,380	-	-	-	-	31	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	8	1	(5)	-	-	-	-	91	1,331	1,321	1,072	0.368	0.372	0.374	0.366	34	495	494	393
9	28	6	127	1,452	1,430	1,417	-	-	-	-	32	-	-	-	-	-	-	-	0	83	83	330	-	-	-	-	-	2	7	(5)	-	-	-	-	94	1,368	1,340	1,093	0.372	0.377	0.376	0.371	35	515	504	405
9	28	7	139	1,587	1,563	1,550	-	-	-	-	29	-	-	-	-	-	-	-	11	714	716	965	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	99	878	850	585	0.372	0.381	0.375	0.367	37	335	319	214
9	28	8	147	1,681	1,658	1,649	-	-	-	-	25	-	-	-	-	-	-	-	27	1,455	1,496	1,780	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	95	235	169	(130)	0.370	0.376	0.372	0.380	35	88	63	(50)
9	28	9	157	1,808	1,791	1,789	-	-	-	-	19	-	-	-	-	-	-	-	42	2,137	2,218	2,538	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	96	(314)	(416)	(741)	0.372	0.384	0.384	0.176	36	(121)	(160)	(130)
9	28	10	170	1,959	1,945	1,945	-	-	-	-	20	-	-	-	-	-	-	-	51	2,472	2,582	2,929	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	100	(493)	(620)	(967)	0.372	0.384	0.384	0.176	37	(189)	(238)	(170)
9	28	11	183	2,114	2,101	2,103	-	-	-	-	23	-	-	-	-	-	-	-	54	2,548	2,674	3,033	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	107	(422)	(558)	(914)	0.371	0.384	0.384	0.176	40	(162)	(214)	(161)
9	28	12	196	2,263	2,253	2,257	-	-	-	-	26	-	-	-	-	-	-	-	56	2,660	2,793	3,159	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	114	(388)	(531)	(887)	0.373	0.384	0.384	0.176	42	(149)	(204)	(156)
9	28	13	207	2,396	2,390	2,398	-	-	-	-	32	-	-	-	-	-	-	-	53	2,539	2,662	3,020	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	122	(135)	(264)	(609)	0.374	0.381	0.384	0.168	46	(51)	(101)	(102)
9	28	14	219	2,544	2,543	2,556	-	-	-	-	32	-	-	-	-	-	-	-	50	2,429	2,546	2,897	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	137	118	4	(338)	0.375	0.375	0.377	0.168	51	44	2	(57)
9	28	15	229	2,660	2,664	2,681	-	-	-	-	34	-	-	-	-	-	-	-	46	2,275	2,374	2,709	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	150	386	291	(26)	0.376	0.374	0.375	0.168	56	144	109	(4)
9	28	16	236	2,751	2,765	2,791	-	-	-	-	31	-	-	-	-	-	-	-	34	1,718	1,794	2,109	-	-	-	-	-	(1)	(1)	0	-	-	-	-	171	1,035	972	682	0.381	0.367	0.370	0.379	65	380	360	258
9	28	17	237	2,768	2,791	2,826	-	-	-	-	33	-	-	-	-	-	-	-	21	1,148	1,185	1,465	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	183	1,622	1,607	1,361	0.389	0.380	0.385	0.374	71	616	618	509
9	28	18	229	2,686	2,715	2,755	-	-	-	-	38	-	-	-	-	-	-	-	2	244	245	493	-	-	-	-	-	(2)	(0)	-	-	-	-	-	188	2,445	2,471	2,263	0.399	0.391	0.395	0.390	75	955	976	882
9	28	19	222	2,604	2,638	2,681	-	-	-	-	43	-	-	-	-	-	-	-	-	101	101	348	-	-	-	-	-	5	10	14	-	-	-	-	179	2,498	2,527	2,319	0.400	0.396	0.401	0.396	72	990	1,014	918
9	28	20	223	2,624	2,662	2,709	-	-	-	-	42	-	-	-	-	-	-	-	-	88	88	335	-	-	-	-	-	1	1	12	-	-	-	-	181	2,534	2,573	2,362	0.397	0.392	0.398	0.393	72	993	1,023	929
9	28	21	214	2,518	2,557	2,604	-	-	-	-	38	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	2	2	9	-	-	-	-	176	2,442	2,480	2,273	0.391	0.389	0.390	0.389	69	950	968	885
9	28	22	197	2,329	2,368	2,415	-	-	-	-	41	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	3	5	14	-	-	-	-	156	2,262	2,299	2,090	0.385	0.384	0.387	0.384	60	868	890	803
9	28	23	176	2,078	2,114	2,156	-	-	-	-	40	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	3	6	6	-	-	-	-	136	2,012	2,045	1,839	0.379	0.383	0.385	0.381	52	771	786	701
9	28	24	189	2,230	2,265	2,306	-	-	-	-	39	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	8	9	2	-	-	-	-	150	2,157	2,191	1,992	0.371	0.379	0.381	0.377	56	818	835	752
9	29	1	140	1,640	1,655	1,676	-	-	-	-	29	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	12	4	3	-	-	-	-	111	1,563	1,586	1,362	0.371	0.371	0.376	0.371	41	580	597	505
9	29	2	130	1,512	1,518	1,531	-	-	-	-	24	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	11	4	0	-	-	-	-	106	1,439	1,452	1,221	0.370	0.369	0.374	0.368	39	531	544	449
9	29	3	123	1,422	1,421	1,426	-	-	-	-	21	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	7	4	(1)	-	-	-	-	102	1,354	1,356	1,119	0.371	0.369	0.372	0.366	38	499	505	410
9	29	4	119	1,370	1,361	1,359	-	-	-	-	23	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	1	3	-	-	-	-	-	96	1,312	1,301	1,055	0.369	0.372	0.373	0.367	36	488	485	387
9	29	5	119	1,367	1,349	1,339	-	-	-	-	31	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	8	1	(5)	-	-	-	-	88	1,289	1,278	1,028	0.368	0.372	0.374	0.366	32	479	478	376
9	29	6	125	1,426	1,403	1,389	-	-	-	-	32	-	-	-	-	-	-	-	1	109	109	356	-	-	-	-	-	2	7	(5)	-	-	-	-	92	1,315	1,286	1,038	0.372	0.377	0.376	0.371	34	495	483	385
9	29	7	137	1,565	1,540	1,526	-	-	-	-	29	-	-	-	-	-	-	-	16	1,078	1,082	1,332	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	92	491	462	195	0.372	0.381	0.375	0.367	34	187	173	71
9	29	8	145	1,658	1,635	1,624	-	-	-	-	25	-	-	-	-	-	-	-	34	1,852	1,905	2,199	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	86	(185)	(264)	(574)	0.370	0.376	0.372	0.380	32	(69)	(98)	(218)
9	29	9	155	1,776	1,757	1,754	-	-	-	-	19	-	-	-	-	-	-	-	49	2,431	2,534	2,874	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	86	(640)	(766)	(1,112)	0.372	0.384	0.384	0.176	32	(246)	(294)	(196)
9	29	10	168	1,933	1,917	1,917	-	-	-	-	20	-	-	-	-	-	-	-	58	2,669	2,809	3,181	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	91	(717)	(874)	(1,248)	0.372	0.384	0.384	0.176	34	(275)	(335)	(219)
9	29	11	183	2,111	2,098	2,100	-	-	-	-	23	-	-	-	-	-	-	-	62	2,778	2,939	3,330	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	98	(654)	(827)	(1,214)	0.371	0.384	0.384	0.176	36	(251)	(317)	(214)
9	29	12	197	2,274	2,265	2,269	-	-	-	-	26	-	-	-	-	-	-	-	64	2,761	2,934	3,337	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	107	(478)	(660)	(1,053)	0.373	0.384	0.384	0.176	40	(183)	(254)	(185)
9	29	13	209	2,419	2,414	2,422	-	-	-	-	32	-	-	-	-	-	-	-	62	2,685	2,854	3,252	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	116	(258)	(431)	(816)	0.374	0.381	0.384	0.168	43	(98)	(166)	(137)
9	29	14	221	2,559	2,558	2,571	-	-	-	-	32	-	-	-	-	-	-	-	62	2,737	2,904	3,301	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	126	(174)	(339)	(727)	0.375	0.375	0.377	0.168	47	(65)	(128)	(123)
9	29	15	229	2,665	2,668	2,686	-	-	-	-	34	-	-	-	-	-	-	-	58	2,565	2,713	3,093	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	138	101	(44)	(406)	0.376	0.374	0.375	0.168	52	38	(17)	(68)
9	29	16	236	2,748	2,761	2,787	-	-	-	-	31	-	-	-	-	-	-	-	47	2,145	2,257	2,603	-	-	-	-	-	(1)	(1)	0	-	-	-	-	158	604	505	184	0.381	0.367	0.370	0.379	60	222	187	69
9	29	17	237	2,766	2,788	2,823	-	-	-	-	33	-	-	-	-	-	-	-	26	1,278	1,331	1,625	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	177	1,489	1,459	1,198	0.389	0.380	0.385	0.374	69	566	561	448
9	29	18	230	2,695	2,725	2,765	-	-	-	-	38	-	-	-	-	-	-	-	2	150	151	400	-	-	-	-	-	(2)	(0)	-	-	-	-	-	189	2,548	2,574	2,365	0.399	0.391	0.395	0.390	75	995	1,016	922
9	29	19	220	2,583	2,616	2,658	-	-	-	-	43	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	5	10	14	-	-	-	-	177	2,567	2,595	2,387	0.400	0.396	0.401	0.396	71	1,018	1,042	945
9	29	20	217	2,551	2,587	2,632	-	-	-	-	42	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	1	1	12	-	-	-	-	175	2,540	2,577	2,364	0.397	0.392	0.398	0.393	69	995	1,024	930
9	29	21	206	2,429	2,466	2,511	-	-	-	-	38	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	2	2	9	-	-	-	-	168	2,422	2,458	2,249	0.391	0.389	0.390	0.389	66	942	959	875
9	29	22	190	2,244	2,281	2,326	-	-	-	-	41	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	3	5	14	-	-	-	-	149	2,235	2,270	2,058	0.385	0.384	0.387	0.384	58	858	878	791
9	29	23	169	1,998	2,032	2,071	-	-	-	-	40	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	3	6	6	-	-	-	-	130	1,987	2,018	1,811	0.379	0.383	0.385	0.381	49	761	776	690

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
9	29	24	189	2,231	2,266	2,307	-	-	-	-	39	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	8	9	2	-	-	-	-	150	2,214	2,249	2,050	0.371	0.379	0.381	0.377	56	840	857	774
9	30	1	130	1,526	1,539	1,557	-	-	-	-	29	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	12	4	3	-	-	-	-	101	1,508	1,528	1,301	0.371	0.371	0.376	0.371	38	559	575	483
9	30	2	121	1,403	1,407	1,416	-	-	-	-	24	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	11	4	0	-	-	-	-	97	1,385	1,396	1,163	0.370	0.369	0.374	0.368	36	511	523	428
9	30	3	114	1,324	1,320	1,323	-	-	-	-	21	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	7	4	(1)	-	-	-	-	94	1,312	1,312	1,072	0.371	0.369	0.372	0.366	35	484	489	392
9	30	4	111	1,276	1,264	1,260	-	-	-	-	23	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	1	3	-	-	-	-	-	88	1,270	1,257	1,009	0.369	0.372	0.373	0.367	33	473	468	370
9	30	5	111	1,272	1,252	1,240	-	-	-	-	31	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	8	1	(5)	-	-	-	-	80	1,263	1,250	997	0.368	0.372	0.374	0.366	30	469	467	365
9	30	6	116	1,328	1,302	1,286	-	-	-	-	32	-	-	-	-	-	-	-	1	44	44	291	-	-	-	-	-	2	7	(5)	-	-	-	-	83	1,282	1,251	1,000	0.372	0.377	0.376	0.371	31	483	470	371
9	30	7	128	1,456	1,429	1,412	-	-	-	-	29	-	-	-	-	-	-	-	17	1,018	1,022	1,272	-	-	-	-	-	(4)	(3)	(1)	-	-	-	-	82	443	410	140	0.372	0.381	0.375	0.367	31	169	154	51
9	30	8	134	1,532	1,506	1,492	-	-	-	-	25	-	-	-	-	-	-	-	35	1,792	1,849	2,147	-	-	-	-	-	(10)	(7)	(1)	-	-	-	-	75	(251)	(337)	(654)	0.370	0.376	0.372	0.380	28	(94)	(125)	(249)
9	30	9	143	1,637	1,615	1,608	-	-	-	-	19	-	-	-	-	-	-	-	48	2,272	2,380	2,723	-	-	-	-	-	(15)	(11)	(8)	-	-	-	-	75	(621)	(754)	(1,107)	0.372	0.384	0.384	0.176	28	(238)	(289)	(195)
9	30	10	155	1,774	1,754	1,750	-	-	-	-	20	-	-	-	-	-	-	-	56	2,523	2,667	3,042	-	-	-	-	-	(20)	(18)	(16)	-	-	-	-	78	(730)	(895)	(1,276)	0.372	0.384	0.384	0.176	29	(280)	(344)	(224)
9	30	11	166	1,912	1,894	1,890	-	-	-	-	23	-	-	-	-	-	-	-	61	2,663	2,827	3,221	-	-	-	-	-	(12)	(14)	(16)	-	-	-	-	82	(739)	(919)	(1,315)	0.371	0.384	0.384	0.176	30	(284)	(353)	(231)
9	30	12	177	2,038	2,022	2,020	-	-	-	-	26	-	-	-	-	-	-	-	62	2,645	2,816	3,217	-	-	-	-	-	(9)	(9)	(15)	-	-	-	-	89	(598)	(784)	(1,182)	0.373	0.384	0.384	0.176	33	(230)	(301)	(208)
9	30	13	187	2,156	2,145	2,146	-	-	-	-	32	-	-	-	-	-	-	-	59	2,529	2,690	3,081	-	-	-	-	-	(8)	(9)	(14)	-	-	-	-	97	(364)	(536)	(921)	0.374	0.381	0.384	0.168	36	(139)	(206)	(155)
9	30	14	198	2,289	2,282	2,288	-	-	-	-	32	-	-	-	-	-	-	-	59	2,575	2,735	3,125	-	-	-	-	-	(4)	(7)	(3)	-	-	-	-	107	(282)	(445)	(834)	0.375	0.375	0.377	0.168	40	(106)	(168)	(141)
9	30	15	205	2,379	2,376	2,386	-	-	-	-	34	-	-	-	-	-	-	-	54	2,421	2,562	2,935	-	-	-	-	-	(1)	(1)	(1)	-	-	-	-	117	(41)	(185)	(547)	0.376	0.374	0.375	0.168	44	(15)	(69)	(92)
9	30	16	210	2,439	2,445	2,463	-	-	-	-	31	-	-	-	-	-	-	-	44	2,005	2,110	2,451	-	-	-	-	-	(1)	(1)	0	-	-	-	-	135	436	336	12	0.381	0.367	0.370	0.379	51	160	125	5
9	30	17	209	2,443	2,458	2,484	-	-	-	-	33	-	-	-	-	-	-	-	23	1,118	1,165	1,454	-	-	-	-	-	(2)	(2)	(0)	-	-	-	-	153	1,327	1,295	1,030	0.389	0.380	0.385	0.374	60	504	498	385
9	30	18	202	2,364	2,386	2,418	-	-	-	-	38	-	-	-	-	-	-	-	2	113	114	362	-	-	-	-	-	(2)	(0)	-	-	-	-	-	162	2,254	2,272	2,056	0.399	0.391	0.395	0.390	65	880	897	801
9	30	19	193	2,258	2,283	2,317	-	-	-	-	43	-	-	-	-	-	-	-	-	17	17	264	-	-	-	-	-	5	10	14	-	-	-	-	150	2,236	2,257	2,040	0.400	0.396	0.401	0.396	60	886	906	808
9	30	20	190	2,228	2,257	2,294	-	-	-	-	42	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	1	1	12	-	-	-	-	148	2,218	2,247	2,026	0.397	0.392	0.398	0.393	59	869	893	797
9	30	21	180	2,114	2,143	2,180	-	-	-	-	38	-	-	-	-	-	-	-	-	12	12	259	-	-	-	-	-	2	2	9	-	-	-	-	142	2,100	2,129	1,911	0.391	0.389	0.390	0.389	55	817	831	744
9	30	22	168	1,975	2,006	2,043	-	-	-	-	41	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	3	5	14	-	-	-	-	127	1,952	1,981	1,762	0.385	0.384	0.387	0.384	49	749	766	677
9	30	23	153	1,808	1,837	1,872	-	-	-	-	40	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	3	6	6	-	-	-	-	114	1,772	1,799	1,586	0.379	0.383	0.385	0.381	43	679	692	605
9	30	24	169	1,986	2,015	2,050	-	-	-	-	39	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	8	9	2	-	-	-	-	130	1,942	1,971	1,765	0.371	0.379	0.381	0.377	48	736	751	666
10	1	1	130	1,522	1,536	1,556	-	-	-	-	25	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	6	9	(0)	-	-	-	-	105	1,483	1,495	1,277	0.371	0.383	0.378	0.364	39	567	565	465
10	1	2	120	1,402	1,408	1,420	-	-	-	-	21	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	3	2	(2)	-	-	-	-	100	1,373	1,381	1,149	0.371	0.381	0.378	0.364	37	523	521	418
10	1	3	113	1,315	1,314	1,319	-	-	-	-	20	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	12	5	(3)	-	-	-	-	94	1,276	1,282	1,047	0.369	0.377	0.375	0.364	35	481	480	381
10	1	4	109	1,261	1,252	1,250	-	-	-	-	28	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	1	2	(3)	-	-	-	-	82	1,233	1,223	979	0.367	0.380	0.376	0.364	30	469	459	356
10	1	5	108	1,240	1,224	1,215	-	-	-	-	34	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	4	1	(1)	-	-	-	-	74	1,214	1,201	947	0.365	0.384	0.377	0.364	27	467	452	345
10	1	6	109	1,241	1,216	1,201	-	-	-	-	37	-	-	-	-	-	-	-	0	43	43	290	-	-	-	-	-	12	4	(1)	-	-	-	-	71	1,186	1,169	911	0.376	0.388	0.381	0.364	27	460	445	332
10	1	7	112	1,279	1,251	1,234	-	-	-	-	35	-	-	-	-	-	-	-	12	783	785	1,035	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	65	497	470	200	0.374	0.385	0.383	0.373	24	191	180	75
10	1	8	116	1,318	1,292	1,277	-	-	-	-	27	-	-	-	-	-	-	-	25	1,320	1,364	1,650	-	-	-	-	-	(4)	(2)	0	-	-	-	-	63	2	(70)	(373)	0.366	0.390	0.380	0.390	23	1	(27)	(146)
10	1	9	125	1,429	1,408	1,400	-	-	-	-	21	-	-	-	-	-	-	-	43	2,096	2,187	2,516	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	61	(661)	(772)	(1,113)	0.371	0.015	0.384	0.014	23	(10)	(296)	(16)
10	1	10	136	1,553	1,534	1,528	-	-	-	-	19	-	-	-	-	-	-	-	49	2,258	2,383	2,742	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	68	(691)	(834)	(1,198)	0.380	0.015	0.384	0.015	26	(10)	(320)	(18)
10	1	11	145	1,667	1,649	1,644	-	-	-	-	19	-	-	-	-	-	-	-	56	2,548	2,696	3,076	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	69	(868)	(1,032)	(1,416)	0.384	0.015	0.384	0.015	27	(13)	(396)	(21)
10	1	12	154	1,771	1,756	1,754	-	-	-	-	19	-	-	-	-	-	-	-	62	2,811	2,976	3,371	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	72	(1,024)	(1,204)	(1,600)	0.383	0.015	0.384	0.015	28	(15)	(462)	(24)
10	1	13	163	1,882	1,872	1,875	-	-	-	-	19	-	-	-	-	-	-	-	63	2,841	3,004	3,398	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	81	(941)	(1,117)	(1,507)	0.381	0.015	0.384	0.015	31	(14)	(429)	(22)
10	1	14	172	1,992	1,989	1,997	-	-	-	-	20	-	-	-	-	-	-	-	60	2,776	2,930	3,316	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	91	(776)	(933)	(1,308)	0.376	0.015	0.384	0.014	34	(11)	(358)	(18)
10	1	15	180	2,086	2,087	2,099	-	-	-	-	21	-	-	-	-	-	-	-	56	2,578	2,718	3,091	-	-	-	-	-	(10)	(1)	2	-	-	-	-	103	(483)	(631)	(994)	0.372	0.014	0.383	0.014	38	(7)	(242)	(14)
10	1	16	185	2,154	2,164	2,185	-	-	-	-	25	-	-	-	-	-	-	-	43	2,052	2,156	2,496	-	-	-	-	-	(1)	(1)	5	-	-	-	-	117	103	9	(316)	0.366	0.396	0.373	0.385	43	41	3	(122)
10	1	17	186	2,174	2,191	2,218	-	-	-	-	29	-	-	-	-	-	-	-	24	1,263	1,310	1,599	-	-	-	-	-	(5)	(0)	-	-	-	-	-	133	916	881	618	0.380	0.402	0.397	0.392	50	368	350	242
10	1	18	182	2,126	2,147	2,177	-	-	-	-	37	-	-	-	-	-	-	-	2	186	187	435	-	-	-	-	-	(1)	2	9	-	-	-	-	143	1,941	1,959	1,733	0.388	0.398	0.394	0.379	55	772	771	656
10	1	19	175	2,056	2,082	2,117	-	-	-	-	37	-	-	-	-	-	-	-	-	82	82	329	-	-	-	-	-	(0)	3	15	-	-	-	-	138	1,973	1,997	1,773	0.391	0.401	0.397	0.384	54	791	793	680
10	1	20	173	2,037	2,066	2,103	-	-	-	-	35	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	8	4	10	-	-	-	-	138	1,967	2,000	1,783	0.390	0.400	0.396	0.383	54	787	793	683
10	1	21	166	1,949	1,979	2,015	-	-	-	-	35	-	-	-	-	-	-	-	-	68	68	315	-	-	-	-	-	10	3	11	-	-	-	-	131	1,872	1,908	1,690	0.385	0.396	0.392	0.378	51	742	749	638
10	1	22	156	1,844	1,875	1,912	-	-	-	-	40	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	12	5	13	-	-	-	-	117	1,769	1,807	1,588	0.376	0.389	0.386	0.367	44	689	697	583
10	1	23	144	1,693	1,722	1,756	-	-	-	-	35	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	0	12	1	-	-	-	-	109	1,640	1,658	1,457	0.365	0.384	0.380	0.364	40	631	629	531
10	1	24	151	1,774	1,801	1,834	-	-	-	-	26	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	4	7	(2)	-	-	-	-	125	1,724	1,749	1,544	0.365	0.371	0.375	0.364	46	639	656	562
10	2	1	119	1,393	1,404	1,421	-	-	-	-	25	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	6	9	(0)	-	-	-	-	94	1,346	1,354	1,133	0.371	0.383	0.378	0.364	35	515	512	413
10	2	2	110	1,285	1,288	1,297	-	-	-	-	21	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	3	2	(2)	-	-	-	-	90	1,244	1,248	1,014	0.371	0.381	0.378	0.364	33	474	471	369
10	2	3	105	1,210	1,206	1,209	-	-	-	-	20	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	12	5	(3)	-	-	-	-	85	1,164	1,168	931	0.369	0.377	0.375	0.364	31	439	438	339
10	2	4	102	1,172	1,161	1,157	-	-	-	-	28	-	-	-	-	-	-	-	-	29	29	276	-	-	-	-	-	1	2	(3)	-	-	-	-	74	1,142	1,130	884	0.367	0.380	0.376	0.364	27	434	425	322
10	2	5	100	1,145	1,126	1,114	-	-	-	-	34	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,118	1,102	845	0.365	0.384	0.377	0.364	24	429	415	308
10	2	6	100	1,139	1,112	1,094	-	-	-	-	37	-	-	-	-	-	-	-	1	59	59	306	-	-	-	-	-	12	4	(1)	-	-	-	-	63	1,069	1,049	789	0.376	0.388	0.381	0.364	24	414	400	287
10	2	7	102	1,159	1,129	1,108	-	-	-	-	35	-	-	-	-	-	-	-	17	1,050	1,054	1,305	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	50	110	79	(196)	0.374	0.385	0.383	0.373	19	42	30	(73)
10	2	8	104	1,182	1,152	1,134	-	-	-	-	27	-	-	-	-	-	-	-	37	1,877	1,936	2,236	-	-	-	-	-	(4)	(2)	0	-	-	-	-	41	(691)	(782)	(1,103)	0.366	0.390	0.380	0.390	15	(269)	(297)	(430)
10	2	9	111	1,259	1,233	1,220	-	-	-	-	21	-	-	-	-	-	-	-	51	2,383	2,496	2,844	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	39	(1,118)	(1,255)	(1,620)	0.371	0.015	0.384	0.014	14	(17)	(482)	(23)
10	2	10	118	1,345	1,321	1,310	-	-	-	-	19	-	-	-	-	-	-	-	61	2,731	2,882	3,263	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	39	(1,371)	(1,545)	(1,938)	0.380	0.015	0.384	0.015	15	(20)	(593)	(29)
10	2	11	125	1,433	1,409	1,398	-	-	-	-	19	-	-	-	-	-	-	-	65	2,840	3,012	3,413	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	41	(1,393)	(1,587)	(1,998)	0.384	0.015	0.384	0.015	16	(21)	(609)	(30)
10	2	12	131	1,504	1,483	1,473	-	-	-	-	19	-	-	-	-	-	-	-	66	2,864	3,045	3,453	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	46	(1,346)	(1,547)	(1,964)	0.383	0.015	0.384	0.015	18	(20)	(594)	(29)
10	2	13	136	1,561	1,545	1,539	-	-	-	-	19	-	-	-	-	-	-	-	64	2,783	2,958	3,363	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	53	(1,203)	(1,398)	(1,808)	0.381	0.015	0.384	0.015	20	(18)	(537)	(27)
10	2	14	140	1,614	1,601	1,599	-	-	-	-	20	-	-	-	-	-	-	-	63	2,753	2,923	3,322	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	57	(1,132)	(1,313)	(1,711)	0.376	0.015	0.384	0.014	21	(17)	(504)	(24)
10	2	15	144	1,661	1,651	1,653	-	-	-	-	21	-	-	-	-	-	-	-	57	2,545	2,694	3,074	-	-	-	-	-	(10)	(1)	2	-	-	-	-	65	(875)	(1,041)	(1,423)	0.372	0.014	0.383	0.014	24	(13)	(399)	(21)
10	2	16	147	1,707	1,707	1,716	-	-	-	-	25	-	-	-	-	-	-	-	45	2,043	2,151	2,495	-	-	-	-	-	(1)	(1)	5	-	-	-	-	77	(335)	(444)	(784)	0.366	0.396	0.373	0.385	28	(133)	(166)	(302)
10	2	17	148	1,727	1,733	1,749	-	-	-	-	29	-	-	-	-	-	-	-	24	1,159	1,205	1,494	-	-	-	-	-	(5)	(0)	-	-	-	-	-	95	573	528	255	0.380	0.402	0.397	0.392	36	231	210	100
10	2	18	148	1,722	1,734	1,753	-	-	-	-	37	-	-	-	-	-	-	-	1	88	89	337	-	-	-	-	-	(1)	2	9	-	-	-	-	109	1,635	1,643	1,408	0.388	0.398	0.394	0.379	42	650	647	533
10	2	19	150	1,754	1,773	1,800	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	(0)	3	15	-	-	-	-	112	1,754	1,770	1,538	0.391	0.401	0.397	0.384	44	703	703	590
10	2	20	154	1,814	1,838	1,868	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	4	10	-	-	-	-	119	1,806	1,834	1,611	0.390	0.400	0.396	0.383	47	723	727	617
10	2	21	151	1,771	1,797	1,828	-	-	-	-	35	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	10	3	11	-	-	-	-	116	1,761	1,794	1,570	0.385	0.396	0.392	0.378	45	698	704	593
10	2	22	142	1,675	1,702	1,734	-	-	-	-	40	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	12	5	13	-	-	-	-	102	1,662	1,696	1,473	0.376	0.389	0.386	0.367	38	647	655	541
10	2	23	130	1,533	1,558	1,588	-	-	-	-	35	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	0	12	1	-	-	-	-	95	1,527	1,541	1,335	0.365	0.384	0.380	0.364	35	587	585	487
10	2	24	130	1,526	1,548	1,574	-	-	-	-	26	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	4	7	(2)	-	-	-	-	104	1,513	1,531	1,320	0.365	0.371	0.375	0.364	38	561	574	481
10	3	1	109	1,270	1,278	1,292	-	-	-	-	25	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	6	9	(0)	-	-	-	-	84	1,254	1,260	1,035	0.371	0.383	0.378	0.364	31	480	477	377
10	3	2	103	1,193	1,194	1,200	-	-	-	-	21	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	3	2	(2)	-	-	-	-	82	1,179	1,181	944	0.371	0.381	0.378	0.364	30	449	446	344
10	3	3	99	1,148	1,143	1,143	-	-	-	-	20	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,116	1,118	880	0.369	0.377	0.375	0.364	29	421	419	320
10	3	4	98	1,124	1,112	1,106	-	-	-	-	28	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,105	1,091	844	0.367	0.380	0.376	0.364	26	420	410	307
10	3	5	100	1,146	1,127	1,116	-	-	-	-	34	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,128	1,112	855	0.365	0.384	0.377	0.364	24	433	419	311
10	3	6	107	1,215	1,189	1,173	-	-	-	-	37	-	-	-	-	-	-	-	1	50	50	297	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,154	1,136	877	0.376	0.388	0.381	0.364	26	447	433	320
10	3	7	117	1,339	1,313	1,297	-	-	-	-	35	-	-	-	-	-	-	-	17	1,052	1,056	1,307	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	65	287	260	(9)	0.374	0.385	0.383	0.373	24	110	100	(3)
10	3	8	125	1,422	1,398	1,386	-	-	-	-	27	-	-	-	-	-	-	-	36	1,849	1,906	2,205	-	-	-	-	-	(4)	(2)	0	-	-	-	-	62	(423)	(506)	(819)	0.366	0.390	0.380	0.390	23	(165)	(192)	(319)
10	3	9	131	1,504	1,484	1,478	-	-	-	-	21	-	-	-	-	-	-	-	50	2,354	2,463	2,809	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	60	(844)	(972)	(1,328)	0.371	0.015	0.384	0.014	22	(13)	(373)	(19)
10	3	10	138	1,587	1,568	1,563	-	-	-	-	19	-	-	-	-	-	-	-	59	2,686	2,833	3,211	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	61	(1,085)	(1,249)	(1,631)	0.380	0.015	0.384	0.015	23	(16)	(480)	(24)
10	3	11	144	1,652	1,634	1,629	-	-	-	-	19	-	-	-	-	-	-	-	64	2,838	3,006	3,403	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	61	(1,172)	(1,356)	(1,757)	0.384	0.015	0.384	0.015	23	(17)	(521)	(26)
10	3	12	148	1,700	1,683	1,678	-	-	-	-	19	-	-	-	-	-	-	-	65	2,889	3,065	3,469	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	64	(1,175)	(1,367)	(1,774)	0.383	0.015	0.384	0.015	24	(17)	(525)	(26)
10	3	13	150	1,725	1,712	1,711	-	-	-	-	19	-	-	-	-	-	-	-	63	2,796	2,964	3,361	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	68	(1,053)	(1,236)	(1,634)	0.381	0.015	0.384	0.015	26	(16)	(475)	(24)
10	3	14	152	1,755	1,745	1,747	-	-	-	-	20	-	-	-	-	-	-	-	62	2,765	2,930	3,325	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	70	(1,003)	(1,176)	(1,567)	0.376	0.015	0.384	0.014	26	(15)	(452)	(22)
10	3	15	153	1,774	1,768	1,772	-	-	-	-	21	-	-	-	-	-	-	-	53	2,419	2,562	2,937	-	-	-	-	-	(10)	(1)	2	-	-	-	-	79	(636)	(794)	(1,168)	0.372	0.014	0.383	0.014	29	(9)	(304)	(17)
10	3	16	155	1,797	1,798	1,810	-	-	-	-	25	-	-	-	-	-	-	-	42	1,990	2,094	2,434	-	-	-	-	-	(1)	(1)	5	-	-	-	-	88	(192)	(294)	(629)	0.366	0.396	0.373	0.385	32	(76)	(110)	(242)
10	3	17	155	1,802	1,810	1,828	-	-	-	-	29	-	-	-	-	-	-	-	22	1,196	1,241	1,528	-	-	-	-	-	(5)	(0)	-	-	-	-	-	103	612	570	300	0.380	0.402	0.397	0.392	39	246	226	118
10	3	18	154	1,795	1,808	1,829	-	-	-	-	37	-	-	-	-	-	-	-	1	178	179	427	-	-	-	-	-	(1)	2	9	-	-	-	-	116	1,618	1,627	1,394	0.388	0.398	0.394	0.379	45	643	640	528
10	3	19	157	1,847	1,868	1,897	-	-	-	-	37	-	-	-	-	-	-	-	-	99	99	346	-	-	-	-	-	(0)	3	15	-	-	-	-	120	1,748	1,766	1,537	0.391	0.401	0.397	0.384	47	701	701	590
10	3	20	164	1,922	1,948	1,981	-	-	-	-	35	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	8	4	10	-	-	-	-	128	1,821	1,852	1,632	0.390	0.400	0.396	0.383	50	729	734	625
10	3	21	159	1,867	1,894	1,928	-	-	-	-	35	-	-	-	-	-	-	-	-	87	87	334	-	-	-	-	-	10	3	11	-	-	-	-	124	1,770	1,805	1,584	0.385	0.396	0.392	0.378	48	702	708	598
10	3	22	148	1,749	1,778	1,812	-	-	-	-	40	-	-	-	-	-	-	-	-	87	87	334	-	-	-	-	-	12	5	13	-	-	-	-	109	1,649	1,686	1,464	0.376	0.389	0.386	0.367	41	642	651	537
10	3	23	134	1,585	1,612	1,644	-	-	-	-	35	-	-	-	-	-	-	-	-	86	86	333	-	-	-	-	-	0	12	1	-	-	-	-	100	1,499	1,514	1,310	0.365	0.384	0.380	0.364	36	576	575	477
10	3	24	139	1,641	1,665	1,695	-	-	-	-	26	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	4	7	(2)	-	-	-	-	114	1,567	1,588	1,380	0.365	0.371	0.375	0.364	42	581	595	503
10	4	1	111	1,300	1,309	1,323	-	-	-	-	25	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,227	1,233	1,010	0.371	0.383	0.378	0.364	32	469	467	368
10	4	2	105	1,220	1,222	1,229	-	-	-	-	21	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,155	1,158	922	0.371	0.381	0.378	0.364	31	440	437	336
10	4	3	101	1,165	1,160	1,161	-	-	-	-	20	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,092	1,095	856	0.369	0.377	0.375	0.364	30	412	410	312
10	4	4	99	1,139	1,128	1,123	-	-	-	-	28	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	1	2	(3)	-	-	-	-	71	1,073	1,060	813	0.367	0.380	0.376	0.364	26	408	398	296
10	4	5	101	1,152	1,133	1,122	-	-	-	-	34	-	-	-	-	-	-	-	-	78	78	325	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,071	1,055	798	0.365	0.384	0.377	0.364	24	411	397	291
10	4	6	107	1,224	1,199	1,183	-	-	-	-	37	-	-	-	-	-	-	-	1	110	110	357	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,103	1,085	827	0.376	0.388	0.381	0.364	26	427	414	301
10	4	7	120	1,370	1,344	1,329	-	-	-	-	35	-	-	-	-	-	-	-	17	1,102	1,107	1,357	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	68	268	242	(27)	0.374	0.385	0.383	0.373	25	103	93	(10)
10	4	8	127	1,456	1,432	1,421	-	-	-	-	27	-	-	-	-	-	-	-	36	1,944	2,000	2,298	-	-	-	-	-	(4)	(2)	0	-	-	-	-	64	(484)	(566)	(878)	0.366	0.390	0.380	0.390	24	(189)	(215)	(342)
10	4	9	133	1,521	1,502	1,496	-	-	-	-	21	-	-	-	-	-	-	-	50	2,460	2,571	2,917	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	61	(933)	(1,061)	(1,418)	0.371	0.015	0.384	0.014	23	(14)	(408)	(20)
10	4	10	140	1,601	1,583	1,578	-	-	-	-	19	-	-	-	-	-	-	-	59	2,762	2,909	3,288	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	62	(1,147)	(1,311)	(1,694)	0.380	0.015	0.384	0.015	24	(17)	(503)	(25)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	4	11	146	1,671	1,654	1,649	-	-	-	-	19	-	-	-	-	-	-	-	64	2,929	3,096	3,493	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	62	(1,243)	(1,427)	(1,828)	0.384	0.015	0.384	0.015	24	(19)	(548)	(27)
10	4	12	150	1,719	1,702	1,698	-	-	-	-	19	-	-	-	-	-	-	-	65	2,958	3,133	3,537	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	65	(1,224)	(1,415)	(1,822)	0.383	0.015	0.384	0.015	25	(18)	(543)	(27)
10	4	13	152	1,756	1,744	1,743	-	-	-	-	19	-	-	-	-	-	-	-	62	2,821	2,986	3,380	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	72	(1,047)	(1,227)	(1,621)	0.381	0.015	0.384	0.015	27	(16)	(471)	(24)
10	4	14	155	1,795	1,787	1,790	-	-	-	-	20	-	-	-	-	-	-	-	61	2,816	2,975	3,364	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	74	(1,013)	(1,179)	(1,563)	0.376	0.015	0.384	0.014	28	(15)	(453)	(22)
10	4	15	157	1,813	1,808	1,813	-	-	-	-	21	-	-	-	-	-	-	-	55	2,587	2,726	3,097	-	-	-	-	-	(10)	(1)	2	-	-	-	-	81	(764)	(917)	(1,286)	0.372	0.014	0.383	0.014	30	(11)	(352)	(19)
10	4	16	158	1,836	1,838	1,851	-	-	-	-	25	-	-	-	-	-	-	-	41	1,972	2,070	2,404	-	-	-	-	-	(1)	(1)	5	-	-	-	-	92	(135)	(230)	(559)	0.366	0.396	0.373	0.385	34	(53)	(86)	(215)
10	4	17	158	1,838	1,847	1,865	-	-	-	-	29	-	-	-	-	-	-	-	20	1,095	1,134	1,417	-	-	-	-	-	(5)	(0)	-	-	-	-	-	108	748	713	448	0.380	0.402	0.397	0.392	41	301	283	175
10	4	18	156	1,826	1,840	1,862	-	-	-	-	37	-	-	-	-	-	-	-	1	166	166	414	-	-	-	-	-	(1)	2	9	-	-	-	-	119	1,661	1,672	1,440	0.388	0.398	0.394	0.379	46	661	658	545
10	4	19	159	1,868	1,890	1,920	-	-	-	-	37	-	-	-	-	-	-	-	-	118	118	365	-	-	-	-	-	(0)	3	15	-	-	-	-	122	1,750	1,769	1,540	0.391	0.401	0.397	0.384	48	702	702	591
10	4	20	165	1,936	1,962	1,996	-	-	-	-	35	-	-	-	-	-	-	-	-	113	113	360	-	-	-	-	-	8	4	10	-	-	-	-	130	1,814	1,845	1,625	0.390	0.400	0.396	0.383	51	726	731	622
10	4	21	160	1,881	1,909	1,943	-	-	-	-	35	-	-	-	-	-	-	-	-	111	111	358	-	-	-	-	-	10	3	11	-	-	-	-	125	1,760	1,795	1,575	0.385	0.396	0.392	0.378	48	698	704	595
10	4	22	150	1,763	1,792	1,827	-	-	-	-	40	-	-	-	-	-	-	-	-	103	103	350	-	-	-	-	-	12	5	13	-	-	-	-	110	1,648	1,685	1,464	0.376	0.389	0.386	0.367	41	642	650	537
10	4	23	135	1,594	1,621	1,652	-	-	-	-	35	-	-	-	-	-	-	-	-	102	102	349	-	-	-	-	-	0	12	1	-	-	-	-	100	1,491	1,506	1,302	0.365	0.384	0.380	0.364	37	573	572	475
10	4	24	141	1,660	1,685	1,715	-	-	-	-	26	-	-	-	-	-	-	-	-	113	113	360	-	-	-	-	-	4	7	(2)	-	-	-	-	115	1,543	1,565	1,357	0.365	0.371	0.375	0.364	42	572	587	494
10	5	1	112	1,308	1,318	1,332	-	-	-	-	25	-	-	-	-	-	-	-	-	113	113	360	-	-	-	-	-	6	9	(0)	-	-	-	-	87	1,188	1,195	972	0.371	0.383	0.378	0.364	32	455	452	354
10	5	2	106	1,231	1,233	1,240	-	-	-	-	21	-	-	-	-	-	-	-	-	113	113	360	-	-	-	-	-	3	2	(2)	-	-	-	-	85	1,114	1,118	882	0.371	0.381	0.378	0.364	32	425	422	321
10	5	3	102	1,178	1,173	1,175	-	-	-	-	20	-	-	-	-	-	-	-	-	110	110	357	-	-	-	-	-	12	5	(3)	-	-	-	-	82	1,057	1,059	821	0.369	0.377	0.375	0.364	30	398	397	299
10	5	4	100	1,154	1,142	1,138	-	-	-	-	28	-	-	-	-	-	-	-	-	102	102	349	-	-	-	-	-	1	2	(3)	-	-	-	-	73	1,051	1,038	792	0.367	0.380	0.376	0.364	27	399	390	288
10	5	5	102	1,164	1,145	1,134	-	-	-	-	34	-	-	-	-	-	-	-	-	96	96	343	-	-	-	-	-	4	1	(1)	-	-	-	-	68	1,064	1,049	793	0.365	0.384	0.377	0.364	25	409	395	289
10	5	6	108	1,234	1,209	1,193	-	-	-	-	37	-	-	-	-	-	-	-	0	119	119	366	-	-	-	-	-	12	4	(1)	-	-	-	-	71	1,103	1,085	827	0.376	0.388	0.381	0.364	27	427	414	301
10	5	7	121	1,375	1,349	1,334	-	-	-	-	35	-	-	-	-	-	-	-	15	1,001	1,004	1,254	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	70	374	349	82	0.374	0.385	0.383	0.373	26	144	134	30
10	5	8	128	1,463	1,440	1,429	-	-	-	-	27	-	-	-	-	-	-	-	34	1,896	1,942	2,229	-	-	-	-	-	(4)	(2)	0	-	-	-	-	67	(430)	(500)	(801)	0.366	0.390	0.380	0.390	25	(167)	(190)	(312)
10	5	9	132	1,515	1,496	1,490	-	-	-	-	21	-	-	-	-	-	-	-	48	2,450	2,543	2,874	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	63	(929)	(1,040)	(1,381)	0.371	0.015	0.384	0.014	23	(14)	(399)	(19)
10	5	10	139	1,591	1,573	1,568	-	-	-	-	19	-	-	-	-	-	-	-	57	2,798	2,924	3,284	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	63	(1,192)	(1,336)	(1,700)	0.380	0.015	0.384	0.015	24	(18)	(513)	(25)
10	5	11	145	1,661	1,643	1,637	-	-	-	-	19	-	-	-	-	-	-	-	60	2,854	2,997	3,372	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	65	(1,179)	(1,339)	(1,719)	0.384	0.015	0.384	0.015	25	(18)	(514)	(26)
10	5	12	148	1,704	1,688	1,683	-	-	-	-	19	-	-	-	-	-	-	-	61	2,866	3,013	3,391	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	69	(1,147)	(1,310)	(1,691)	0.383	0.015	0.384	0.015	26	(17)	(503)	(25)
10	5	13	151	1,739	1,726	1,725	-	-	-	-	19	-	-	-	-	-	-	-	56	2,675	2,804	3,167	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	76	(918)	(1,063)	(1,426)	0.381	0.015	0.384	0.015	29	(14)	(408)	(21)
10	5	14	153	1,771	1,762	1,764	-	-	-	-	20	-	-	-	-	-	-	-	56	2,660	2,794	3,161	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	77	(882)	(1,023)	(1,385)	0.376	0.015	0.384	0.014	29	(13)	(393)	(19)
10	5	15	156	1,801	1,795	1,800	-	-	-	-	21	-	-	-	-	-	-	-	50	2,436	2,548	2,896	-	-	-	-	-	(10)	(1)	2	-	-	-	-	85	(625)	(752)	(1,098)	0.372	0.014	0.383	0.014	32	(9)	(288)	(16)
10	5	16	158	1,829	1,831	1,843	-	-	-	-	25	-	-	-	-	-	-	-	39	1,938	2,021	2,343	-	-	-	-	-	(1)	(1)	5	-	-	-	-	94	(108)	(190)	(506)	0.366	0.396	0.373	0.385	34	(43)	(71)	(195)
10	5	17	156	1,822	1,831	1,848	-	-	-	-	29	-	-	-	-	-	-	-	15	804	839	1,116	-	-	-	-	-	(5)	(0)	-	-	-	-	-	112	1,023	992	732	0.380	0.402	0.397	0.392	43	412	394	287
10	5	18	155	1,807	1,820	1,841	-	-	-	-	37	-	-	-	-	-	-	-	0	135	135	382	-	-	-	-	-	(1)	2	9	-	-	-	-	117	1,673	1,683	1,450	0.388	0.398	0.394	0.379	46	665	662	549
10	5	19	158	1,851	1,873	1,902	-	-	-	-	37	-	-	-	-	-	-	-	-	110	110	357	-	-	-	-	-	(0)	3	15	-	-	-	-	121	1,741	1,759	1,530	0.391	0.401	0.397	0.384	47	698	698	587
10	5	20	162	1,908	1,934	1,967	-	-	-	-	35	-	-	-	-	-	-	-	-	93	93	340	-	-	-	-	-	8	4	10	-	-	-	-	127	1,807	1,837	1,616	0.390	0.400	0.396	0.383	50	723	728	619
10	5	21	158	1,853	1,881	1,914	-	-	-	-	35	-	-	-	-	-	-	-	-	92	92	339	-	-	-	-	-	10	3	11	-	-	-	-	123	1,752	1,786	1,565	0.385	0.396	0.392	0.378	47	694	701	591
10	5	22	148	1,743	1,771	1,805	-	-	-	-	40	-	-	-	-	-	-	-	-	93	93	340	-	-	-	-	-	12	5	13	-	-	-	-	108	1,638	1,674	1,452	0.376	0.389	0.386	0.367	41	638	646	533
10	5	23	134	1,576	1,602	1,633	-	-	-	-	35	-	-	-	-	-	-	-	-	96	96	343	-	-	-	-	-	0	12	1	-	-	-	-	99	1,480	1,494	1,290	0.365	0.384	0.380	0.364	36	569	567	470
10	5	24	141	1,655	1,680	1,710	-	-	-	-	26	-	-	-	-	-	-	-	-	98	98	345	-	-	-	-	-	4	7	(2)	-	-	-	-	115	1,553	1,574	1,367	0.365	0.371	0.375	0.364	42	576	590	498
10	6	1	111	1,292	1,302	1,315	-	-	-	-	25	-	-	-	-	-	-	-	-	97	97	344	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,189	1,196	972	0.371	0.383	0.378	0.364	32	455	452	354
10	6	2	104	1,214	1,216	1,223	-	-	-	-	21	-	-	-	-	-	-	-	-	83	83	330	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,127	1,131	894	0.371	0.381	0.378	0.364	31	430	427	326
10	6	3	100	1,161	1,156	1,157	-	-	-	-	20	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,085	1,087	849	0.369	0.377	0.375	0.364	30	409	407	309
10	6	4	99	1,142	1,130	1,125	-	-	-	-	28	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	1	2	(3)	-	-	-	-	72	1,087	1,074	827	0.367	0.380	0.376	0.364	26	413	403	301
10	6	5	101	1,158	1,139	1,128	-	-	-	-	34	-	-	-	-	-	-	-	-	39	39	286	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,115	1,099	843	0.365	0.384	0.377	0.364	25	428	414	307
10	6	6	108	1,225	1,200	1,184	-	-	-	-	37	-	-	-	-	-	-	-	0	47	47	294	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,166	1,148	890	0.376	0.388	0.381	0.364	26	452	438	324
10	6	7	120	1,369	1,344	1,328	-	-	-	-	35	-	-	-	-	-	-	-	17	1,057	1,061	1,312	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	67	313	287	17	0.374	0.385	0.383	0.373	25	120	110	7
10	6	8	127	1,452	1,428	1,417	-	-	-	-	27	-	-	-	-	-	-	-	37	1,931	1,990	2,290	-	-	-	-	-	(4)	(2)	0	-	-	-	-	63	(476)	(560)	(873)	0.366	0.390	0.380	0.390	23	(185)	(213)	(341)
10	6	9	132	1,508	1,488	1,482	-	-	-	-	21	-	-	-	-	-	-	-	52	2,470	2,585	2,936	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	58	(956)	(1,090)	(1,451)	0.371	0.015	0.384	0.014	22	(14)	(419)	(20)
10	6	10	138	1,586	1,567	1,562	-	-	-	-	19	-	-	-	-	-	-	-	62	2,794	2,950	3,337	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	57	(1,193)	(1,367)	(1,759)	0.380	0.015	0.384	0.015	22	(18)	(525)	(26)
10	6	11	145	1,659	1,641	1,636	-	-	-	-	19	-	-	-	-	-	-	-	66	2,869	3,049	3,457	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	59	(1,196)	(1,393)	(1,806)	0.384	0.015	0.384	0.015	23	(18)	(535)	(27)
10	6	12	149	1,715	1,698	1,694	-	-	-	-	19	-	-	-	-	-	-	-	68	2,899	3,089	3,506	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	62	(1,169)	(1,376)	(1,796)	0.383	0.015	0.384	0.015	24	(17)	(528)	(27)
10	6	13	153	1,760	1,748	1,747	-	-	-	-	19	-	-	-	-	-	-	-	68	2,901	3,092	3,511	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	66	(1,123)	(1,329)	(1,748)	0.381	0.015	0.384	0.015	25	(17)	(510)	(26)
10	6	14	158	1,825	1,817	1,820	-	-	-	-	20	-	-	-	-	-	-	-	66	2,860	3,038	3,444	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	72	(1,028)	(1,212)	(1,613)	0.376	0.015	0.384	0.014	27	(15)	(465)	(22)
10	6	15	162	1,876	1,872	1,878	-	-	-	-	21	-	-	-	-	-	-	-	59	2,639	2,793	3,177	-	-	-	-	-	(10)	(1)	2	-	-	-	-	82	(753)	(920)	(1,301)	0.372	0.014	0.383	0.014	30	(11)	(353)	(19)
10	6	16	166	1,932	1,937	1,952	-	-	-	-	25	-	-	-	-	-	-	-	44	1,998	2,107	2,451	-	-	-	-	-	(1)	(1)	5	-	-	-	-	97	(65)	(169)	(505)	0.366	0.396	0.373	0.385	36	(26)	(63)	(195)
10	6	17	168	1,962	1,974	1,995	-	-	-	-	29	-	-	-	-	-	-	-	19	912	953	1,238	-	-	-	-	-	(5)	(0)	-	-	-	-	-	120	1,055	1,020	757	0.380	0.402	0.397	0.392	46	425	405	296
10	6	18	167	1,948	1,964	1,989	-	-	-	-	37	-	-	-	-	-	-	-	0	54	54	302	-	-	-	-	-	(1)	2	9	-	-	-	-	129	1,895	1,908	1,679	0.388	0.398	0.394	0.379	50	753	751	636
10	6	19	167	1,960	1,984	2,016	-	-	-	-	37	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	(0)	3	15	-	-	-	-	130	1,936	1,957	1,730	0.391	0.401	0.397	0.384	51	776	777	664
10	6	20	170	1,995	2,023	2,058	-	-	-	-	35	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	8	4	10	-	-	-	-	135	1,962	1,995	1,776	0.390	0.400	0.396	0.383	53	785	790	680
10	6	21	163	1,920	1,949	1,984	-	-	-	-	35	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	10	3	11	-	-	-	-	129	1,885	1,921	1,701	0.385	0.396	0.392	0.378	50	747	754	642
10	6	22	152	1,795	1,825	1,860	-	-	-	-	40	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	12	5	13	-	-	-	-	112	1,762	1,800	1,579	0.376	0.389	0.386	0.367	42	686	694	580
10	6	23	138	1,625	1,652	1,685	-	-	-	-	35	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	0	12	1	-	-	-	-	103	1,602	1,617	1,414	0.365	0.384	0.380	0.364	38	616	614	515
10	6	24	142	1,672	1,697	1,727	-	-	-	-	26	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	4	7	(2)	-	-	-	-	116	1,643	1,665	1,457	0.365	0.371	0.375	0.364	43	609	624	531
10	7	1	113	1,323	1,333	1,348	-	-	-	-	25	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	6	9	(0)	-	-	-	-	88	1,295	1,302	1,079	0.371	0.383	0.378	0.364	33	495	493	393
10	7	2	107	1,242	1,244	1,252	-	-	-	-	21	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	3	2	(2)	-	-	-	-	86	1,220	1,224	988	0.371	0.381	0.378	0.364	32	465	462	360
10	7	3	103	1,186	1,182	1,183	-	-	-	-	20	-	-	-	-	-	-	-	-	12	12	259	-	-	-	-	-	12	5	(3)	-	-	-	-	83	1,162	1,165	927	0.369	0.377	0.375	0.364	31	438	436	337
10	7	4	101	1,160	1,148	1,144	-	-	-	-	28	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	1	2	(3)	-	-	-	-	73	1,151	1,138	892	0.367	0.380	0.376	0.364	27	437	428	325
10	7	5	103	1,173	1,155	1,144	-	-	-	-	34	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	4	1	(1)	-	-	-	-	68	1,162	1,147	891	0.365	0.384	0.377	0.364	25	446	432	324
10	7	6	109	1,239	1,215	1,199	-	-	-	-	37	-	-	-	-	-	-	-	0	29	29	276	-	-	-	-	-	12	4	(1)	-	-	-	-	71	1,198	1,181	923	0.376	0.388	0.381	0.364	27	464	450	336
10	7	7	121	1,379	1,353	1,338	-	-	-	-	35	-	-	-	-	-	-	-	17	1,049	1,053	1,304	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	68	330	304	35	0.374	0.385	0.383	0.373	26	127	116	13
10	7	8	128	1,461	1,438	1,426	-	-	-	-	27	-	-	-	-	-	-	-	38	1,961	2,022	2,323	-	-	-	-	-	(4)	(2)	0	-	-	-	-	63	(496)	(582)	(897)	0.366	0.390	0.380	0.390	23	(193)	(221)	(350)
10	7	9	134	1,533	1,514	1,508	-	-	-	-	21	-	-	-	-	-	-	-	53	2,519	2,634	2,984	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	60	(980)	(1,113)	(1,474)	0.371	0.015	0.384	0.014	22	(15)	(427)	(21)
10	7	10	142	1,629	1,611	1,607	-	-	-	-	19	-	-	-	-	-	-	-	62	2,795	2,949	3,334	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	61	(1,151)	(1,322)	(1,710)	0.380	0.015	0.384	0.015	23	(17)	(508)	(25)
10	7	11	151	1,733	1,717	1,713	-	-	-	-	19	-	-	-	-	-	-	-	65	2,862	3,038	3,443	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	66	(1,115)	(1,306)	(1,713)	0.384	0.015	0.384	0.015	25	(17)	(502)	(26)
10	7	12	157	1,813	1,798	1,796	-	-	-	-	19	-	-	-	-	-	-	-	67	2,890	3,075	3,489	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	71	(1,062)	(1,262)	(1,676)	0.383	0.015	0.384	0.015	27	(16)	(485)	(25)
10	7	13	163	1,887	1,878	1,880	-	-	-	-	19	-	-	-	-	-	-	-	67	2,889	3,076	3,490	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	77	(984)	(1,183)	(1,594)	0.381	0.015	0.384	0.015	29	(15)	(454)	(24)
10	7	14	171	1,974	1,970	1,977	-	-	-	-	20	-	-	-	-	-	-	-	65	2,850	3,024	3,427	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	85	(869)	(1,046)	(1,438)	0.376	0.015	0.384	0.014	32	(13)	(401)	(20)
10	7	15	178	2,065	2,065	2,077	-	-	-	-	21	-	-	-	-	-	-	-	58	2,585	2,734	3,114	-	-	-	-	-	(10)	(1)	2	-	-	-	-	99	(510)	(668)	(1,039)	0.372	0.014	0.383	0.014	37	(7)	(256)	(15)
10	7	16	184	2,145	2,155	2,175	-	-	-	-	25	-	-	-	-	-	-	-	44	1,990	2,095	2,437	-	-	-	-	-	(1)	(1)	5	-	-	-	-	115	157	60	(267)	0.366	0.396	0.373	0.385	42	62	23	(103)
10	7	17	187	2,179	2,196	2,223	-	-	-	-	29	-	-	-	-	-	-	-	13	541	578	858	-	-	-	-	-	(5)	(0)	-	-	-	-	-	144	1,644	1,618	1,365	0.380	0.402	0.397	0.392	55	661	643	534
10	7	18	182	2,128	2,149	2,179	-	-	-	-	37	-	-	-	-	-	-	-	0	21	21	268	-	-	-	-	-	(1)	2	9	-	-	-	-	145	2,109	2,126	1,902	0.388	0.398	0.394	0.379	56	838	837	720
10	7	19	177	2,081	2,108	2,142	-	-	-	-	37	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	(0)	3	15	-	-	-	-	140	2,067	2,090	1,867	0.391	0.401	0.397	0.384	55	829	830	717
10	7	20	176	2,066	2,095	2,132	-	-	-	-	35	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	8	4	10	-	-	-	-	141	2,044	2,078	1,861	0.390	0.400	0.396	0.383	55	818	823	713
10	7	21	168	1,973	2,003	2,039	-	-	-	-	35	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	10	3	11	-	-	-	-	133	1,952	1,989	1,771	0.385	0.396	0.392	0.378	51	774	781	669
10	7	22	158	1,860	1,891	1,928	-	-	-	-	40	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	12	5	13	-	-	-	-	118	1,840	1,879	1,660	0.376	0.389	0.386	0.367	44	717	725	610
10	7	23	145	1,706	1,736	1,770	-	-	-	-	35	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	0	12	1	-	-	-	-	110	1,701	1,719	1,518	0.365	0.384	0.380	0.364	40	654	652	553
10	7	24	152	1,794	1,822	1,855	-	-	-	-	26	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	4	7	(2)	-	-	-	-	127	1,787	1,812	1,607	0.365	0.371	0.375	0.364	46	662	679	585
10	8	1	119	1,388	1,399	1,416	-	-	-	-	25	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	6	9	(0)	-	-	-	-	94	1,377	1,386	1,165	0.371	0.383	0.378	0.364	35	527	524	424
10	8	2	111	1,287	1,290	1,299	-	-	-	-	21	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	3	2	(2)	-	-	-	-	90	1,278	1,283	1,049	0.371	0.381	0.378	0.364	33	487	485	382
10	8	3	105	1,216	1,212	1,215	-	-	-	-	20	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	12	5	(3)	-	-	-	-	86	1,198	1,201	964	0.369	0.377	0.375	0.364	32	451	450	351
10	8	4	102	1,176	1,166	1,161	-	-	-	-	28	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	1	2	(3)	-	-	-	-	74	1,170	1,157	912	0.367	0.380	0.376	0.364	27	445	435	332
10	8	5	101	1,157	1,138	1,127	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,148	1,133	876	0.365	0.384	0.377	0.364	24	441	427	319
10	8	6	103	1,167	1,140	1,123	-	-	-	-	37	-	-	-	-	-	-	-	0	21	21	268	-	-	-	-	-	12	4	(1)	-	-	-	-	65	1,134	1,115	855	0.376	0.388	0.381	0.364	24	439	425	312
10	8	7	107	1,211	1,182	1,162	-	-	-	-	35	-	-	-	-	-	-	-	16	962	966	1,216	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	55	249	220	(53)	0.374	0.385	0.383	0.373	21	96	84	(20)
10	8	8	110	1,253	1,224	1,208	-	-	-	-	27	-	-	-	-	-	-	-	36	1,868	1,927	2,227	-	-	-	-	-	(4)	(2)	0	-	-	-	-	47	(611)	(701)	(1,020)	0.366	0.390	0.380	0.390	17	(238)	(266)	(398)
10	8	9	118	1,349	1,326	1,316	-	-	-	-	21	-	-	-	-	-	-	-	51	2,400	2,513	2,861	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	46	(1,045)	(1,180)	(1,542)	0.371	0.015	0.384	0.014	17	(16)	(453)	(22)
10	8	10	128	1,459	1,437	1,429	-	-	-	-	19	-	-	-	-	-	-	-	60	2,719	2,868	3,249	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	49	(1,246)	(1,416)	(1,804)	0.380	0.015	0.384	0.015	19	(19)	(544)	(27)
10	8	11	136	1,560	1,540	1,532	-	-	-	-	19	-	-	-	-	-	-	-	64	2,834	3,004	3,403	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	52	(1,260)	(1,449)	(1,855)	0.384	0.015	0.384	0.015	20	(19)	(556)	(28)
10	8	12	144	1,654	1,636	1,630	-	-	-	-	19	-	-	-	-	-	-	-	66	2,864	3,044	3,453	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	59	(1,195)	(1,393)	(1,805)	0.383	0.015	0.384	0.015	23	(18)	(535)	(27)
10	8	13	153	1,760	1,747	1,747	-	-	-	-	19	-	-	-	-	-	-	-	66	2,868	3,050	3,460	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	67	(1,091)	(1,287)	(1,697)	0.381	0.015	0.384	0.015	26	(16)	(494)	(25)
10	8	14	161	1,862	1,855	1,860	-	-	-	-	20	-	-	-	-	-	-	-	63	2,778	2,947	3,345	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	77	(909)	(1,083)	(1,474)	0.376	0.015	0.384	0.014	29	(13)	(416)	(21)
10	8	15	170	1,966	1,964	1,974	-	-	-	-	21	-	-	-	-	-	-	-	57	2,534	2,681	3,059	-	-	-	-	-	(10)	(1)	2	-	-	-	-	92	(558)	(716)	(1,088)	0.372	0.014	0.383	0.014	34	(8)	(274)	(16)
10	8	16	176	2,046	2,054	2,072	-	-	-	-	25	-	-	-	-	-	-	-	42	1,926	2,030	2,371	-	-	-	-	-	(1)	(1)	5	-	-	-	-	108	121	24	(304)	0.366	0.396	0.373	0.385	40	48	9	(117)
10	8	17	177	2,065	2,079	2,103	-	-	-	-	29	-	-	-	-	-	-	-	14	611	645	923	-	-	-	-	-	(5)	(0)	-	-	-	-	-	134	1,459	1,434	1,180	0.380	0.402	0.397	0.392	51	587	570	462
10	8	18	173	2,027	2,045	2,073	-	-	-	-	37	-	-	-	-	-	-	-	0	20	20	267	-	-	-	-	-	(1)	2	9	-	-	-	-	136	2,008	2,024	1,797	0.388	0.398	0.394	0.379	53	798	796	680
10	8	19	169	1,983	2,008	2,040	-	-	-	-	37	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	(0)	3	15	-	-	-	-	132	1,981	2,002	1,776	0.391	0.401	0.397	0.384	52	794	795	682
10	8	20	166	1,955	1,982	2,016	-	-	-	-	35	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	4	10	-	-	-	-	131	1,947	1,978	1,759	0.390	0.400	0.396	0.383	51	779	784	673
10	8	21	158	1,863	1,891	1,924	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	3	11	-	-	-	-	124	1,853	1,888	1,667	0.385	0.396	0.392	0.378	48	734	741	629

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	8	22	149	1,755	1,784	1,818	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	13	-	-	-	-	109	1,742	1,779	1,557	0.376	0.389	0.386	0.367	41	679	686	572
10	8	23	137	1,614	1,641	1,674	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	0	12	1	-	-	-	-	102	1,614	1,629	1,426	0.365	0.384	0.380	0.364	37	620	618	520
10	8	24	144	1,690	1,716	1,746	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	7	(2)	-	-	-	-	118	1,686	1,708	1,501	0.365	0.371	0.375	0.364	43	625	640	547
10	9	1	114	1,334	1,344	1,359	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	6	9	(0)	-	-	-	-	89	1,328	1,335	1,112	0.371	0.383	0.378	0.364	33	508	505	405
10	9	2	106	1,233	1,235	1,243	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	2	(2)	-	-	-	-	86	1,230	1,233	998	0.371	0.381	0.378	0.364	32	469	466	363
10	9	3	101	1,167	1,162	1,163	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,155	1,158	920	0.369	0.377	0.375	0.364	30	435	434	335
10	9	4	98	1,126	1,114	1,109	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,126	1,112	865	0.367	0.380	0.376	0.364	26	428	418	315
10	9	5	97	1,102	1,082	1,069	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	62	1,098	1,081	823	0.365	0.384	0.377	0.364	23	422	407	300
10	9	6	97	1,097	1,070	1,050	-	-	-	-	37	-	-	-	-	-	-	-	0	18	18	265	-	-	-	-	-	12	4	(1)	-	-	-	-	59	1,068	1,047	785	0.376	0.388	0.381	0.364	22	414	399	286
10	9	7	99	1,120	1,089	1,067	-	-	-	-	35	-	-	-	-	-	-	-	16	979	983	1,233	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	48	142	110	(165)	0.374	0.385	0.383	0.373	18	55	42	(62)
10	9	8	101	1,144	1,113	1,094	-	-	-	-	27	-	-	-	-	-	-	-	36	1,838	1,895	2,193	-	-	-	-	-	(4)	(2)	0	-	-	-	-	38	(690)	(780)	(1,100)	0.366	0.390	0.380	0.390	14	(269)	(296)	(429)
10	9	9	108	1,223	1,196	1,183	-	-	-	-	21	-	-	-	-	-	-	-	50	2,355	2,463	2,807	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	37	(1,126)	(1,260)	(1,622)	0.371	0.015	0.384	0.014	14	(17)	(484)	(23)
10	9	10	116	1,319	1,294	1,282	-	-	-	-	19	-	-	-	-	-	-	-	59	2,687	2,831	3,208	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	38	(1,353)	(1,522)	(1,910)	0.380	0.015	0.384	0.015	14	(20)	(584)	(28)
10	9	11	124	1,418	1,394	1,383	-	-	-	-	19	-	-	-	-	-	-	-	64	2,825	2,992	3,388	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	41	(1,392)	(1,582)	(1,989)	0.384	0.015	0.384	0.015	16	(21)	(607)	(30)
10	9	12	132	1,517	1,496	1,486	-	-	-	-	19	-	-	-	-	-	-	-	65	2,848	3,022	3,426	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	48	(1,316)	(1,511)	(1,922)	0.383	0.015	0.384	0.015	19	(20)	(580)	(29)
10	9	13	141	1,621	1,606	1,601	-	-	-	-	19	-	-	-	-	-	-	-	65	2,862	3,038	3,443	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	57	(1,223)	(1,418)	(1,826)	0.381	0.015	0.384	0.015	22	(18)	(544)	(27)
10	9	14	151	1,739	1,729	1,731	-	-	-	-	20	-	-	-	-	-	-	-	60	2,716	2,871	3,257	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	70	(969)	(1,133)	(1,515)	0.376	0.015	0.384	0.014	26	(14)	(435)	(21)
10	9	15	161	1,863	1,859	1,866	-	-	-	-	21	-	-	-	-	-	-	-	54	2,480	2,610	2,974	-	-	-	-	-	(10)	(1)	2	-	-	-	-	86	(607)	(750)	(1,111)	0.372	0.014	0.383	0.014	32	(9)	(288)	(16)
10	9	16	168	1,957	1,962	1,977	-	-	-	-	25	-	-	-	-	-	-	-	40	1,923	2,012	2,338	-	-	-	-	-	(1)	(1)	5	-	-	-	-	103	34	(49)	(366)	0.366	0.396	0.373	0.385	38	14	(18)	(141)
10	9	17	170	1,986	1,999	2,020	-	-	-	-	29	-	-	-	-	-	-	-	13	676	704	976	-	-	-	-	-	(5)	(0)	-	-	-	-	-	128	1,315	1,294	1,044	0.380	0.402	0.397	0.392	49	529	514	409
10	9	18	168	1,959	1,976	2,001	-	-	-	-	37	-	-	-	-	-	-	-	0	69	69	316	-	-	-	-	-	(1)	2	9	-	-	-	-	130	1,891	1,905	1,676	0.388	0.398	0.394	0.379	51	752	750	635
10	9	19	168	1,967	1,992	2,024	-	-	-	-	37	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	(0)	3	15	-	-	-	-	130	1,927	1,948	1,722	0.391	0.401	0.397	0.384	51	773	773	661
10	9	20	168	1,976	2,004	2,038	-	-	-	-	35	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	8	4	10	-	-	-	-	133	1,932	1,964	1,745	0.390	0.400	0.396	0.383	52	773	778	668
10	9	21	163	1,921	1,951	1,986	-	-	-	-	35	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	10	3	11	-	-	-	-	129	1,869	1,904	1,685	0.385	0.396	0.392	0.378	50	741	747	636
10	9	22	153	1,801	1,831	1,867	-	-	-	-	40	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	12	5	13	-	-	-	-	113	1,759	1,796	1,576	0.376	0.389	0.386	0.367	42	685	693	579
10	9	23	138	1,628	1,656	1,689	-	-	-	-	35	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	0	12	1	-	-	-	-	103	1,596	1,612	1,409	0.365	0.384	0.380	0.364	38	614	612	514
10	9	24	135	1,593	1,616	1,645	-	-	-	-	26	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	4	7	(2)	-	-	-	-	110	1,539	1,559	1,349	0.365	0.371	0.375	0.364	40	570	584	492
10	10	1	112	1,314	1,324	1,338	-	-	-	-	25	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	6	9	(0)	-	-	-	-	87	1,259	1,266	1,042	0.371	0.383	0.378	0.364	32	482	479	380
10	10	2	105	1,225	1,227	1,234	-	-	-	-	21	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	3	2	(2)	-	-	-	-	85	1,173	1,177	941	0.371	0.381	0.378	0.364	31	447	444	342
10	10	3	101	1,170	1,165	1,166	-	-	-	-	20	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	12	5	(3)	-	-	-	-	82	1,101	1,104	866	0.369	0.377	0.375	0.364	30	415	414	315
10	10	4	100	1,147	1,135	1,130	-	-	-	-	28	-	-	-	-	-	-	-	-	56	56	303	-	-	-	-	-	1	2	(3)	-	-	-	-	72	1,090	1,077	831	0.367	0.380	0.376	0.364	26	414	405	302
10	10	5	101	1,158	1,139	1,128	-	-	-	-	34	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,102	1,086	830	0.365	0.384	0.377	0.364	25	423	409	302
10	10	6	108	1,228	1,203	1,187	-	-	-	-	37	-	-	-	-	-	-	-	0	69	69	316	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,147	1,129	871	0.376	0.388	0.381	0.364	26	444	430	317
10	10	7	120	1,363	1,337	1,322	-	-	-	-	35	-	-	-	-	-	-	-	16	1,025	1,028	1,279	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	68	338	313	44	0.374	0.385	0.383	0.373	26	130	120	16
10	10	8	127	1,454	1,431	1,420	-	-	-	-	27	-	-	-	-	-	-	-	35	1,920	1,972	2,266	-	-	-	-	-	(4)	(2)	0	-	-	-	-	65	(462)	(540)	(846)	0.366	0.390	0.380	0.390	24	(180)	(205)	(330)
10	10	9	134	1,541	1,522	1,516	-	-	-	-	21	-	-	-	-	-	-	-	49	2,434	2,533	2,868	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	65	(887)	(1,004)	(1,349)	0.371	0.015	0.384	0.014	24	(13)	(385)	(19)
10	10	10	143	1,638	1,621	1,617	-	-	-	-	19	-	-	-	-	-	-	-	58	2,765	2,898	3,264	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	66	(1,112)	(1,262)	(1,631)	0.380	0.015	0.384	0.015	25	(17)	(485)	(24)
10	10	11	151	1,738	1,722	1,719	-	-	-	-	19	-	-	-	-	-	-	-	62	2,891	3,048	3,436	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	69	(1,138)	(1,311)	(1,700)	0.384	0.015	0.384	0.015	27	(17)	(503)	(25)
10	10	12	159	1,826	1,812	1,811	-	-	-	-	19	-	-	-	-	-	-	-	64	2,926	3,093	3,489	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	76	(1,085)	(1,265)	(1,661)	0.383	0.015	0.384	0.015	29	(16)	(486)	(25)
10	10	13	165	1,901	1,892	1,894	-	-	-	-	19	-	-	-	-	-	-	-	64	2,935	3,104	3,502	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	81	(1,016)	(1,197)	(1,591)	0.381	0.015	0.384	0.015	31	(15)	(460)	(24)
10	10	14	172	1,993	1,990	1,998	-	-	-	-	20	-	-	-	-	-	-	-	60	2,808	2,961	3,345	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	91	(807)	(963)	(1,336)	0.376	0.015	0.384	0.014	34	(12)	(370)	(19)
10	10	15	178	2,066	2,067	2,079	-	-	-	-	21	-	-	-	-	-	-	-	54	2,553	2,684	3,048	-	-	-	-	-	(10)	(1)	2	-	-	-	-	103	(477)	(616)	(971)	0.372	0.014	0.383	0.014	38	(7)	(236)	(14)
10	10	16	182	2,125	2,134	2,154	-	-	-	-	25	-	-	-	-	-	-	-	41	2,015	2,108	2,439	-	-	-	-	-	(1)	(1)	5	-	-	-	-	116	111	27	(291)	0.366	0.396	0.373	0.385	42	44	10	(112)
10	10	17	182	2,121	2,137	2,162	-	-	-	-	29	-	-	-	-	-	-	-	12	658	685	957	-	-	-	-	-	(5)	(0)	-	-	-	-	-	140	1,469	1,452	1,205	0.380	0.402	0.397	0.392	53	591	577	472
10	10	18	175	2,045	2,064	2,091	-	-	-	-	37	-	-	-	-	-	-	-	0	85	85	332	-	-	-	-	-	(1)	2	9	-	-	-	-	138	1,961	1,977	1,750	0.388	0.398	0.394	0.379	53	780	778	663
10	10	19	173	2,034	2,060	2,094	-	-	-	-	37	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	(0)	3	15	-	-	-	-	136	1,975	1,997	1,773	0.391	0.401	0.397	0.384	53	792	793	680
10	10	20	174	2,043	2,072	2,109	-	-	-	-	35	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	8	4	10	-	-	-	-	139	1,995	2,029	1,812	0.390	0.400	0.396	0.383	54	798	804	694
10	10	21	167	1,963	1,993	2,030	-	-	-	-	35	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	10	3	11	-	-	-	-	132	1,921	1,958	1,740	0.385	0.396	0.392	0.378	51	761	768	657
10	10	22	156	1,836	1,867	1,903	-	-	-	-	40	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	12	5	13	-	-	-	-	116	1,790	1,828	1,609	0.376	0.389	0.386	0.367	44	697	705	591
10	10	23	140	1,653	1,682	1,715	-	-	-	-	35	-	-	-	-	-	-	-	-	28	28	275	-	-	-	-	-	0	12	1	-	-	-	-	105	1,625	1,641	1,439	0.365	0.384	0.380	0.364	39	625	623	524
10	10	24	150	1,769	1,796	1,829	-	-	-	-	26	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	4	7	(2)	-	-	-	-	125	1,741	1,765	1,560	0.365	0.371	0.375	0.364	46	645	662	568
10	11	1	115	1,340	1,350	1,366	-	-	-	-	25	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	6	9	(0)	-	-	-	-	90	1,304	1,311	1,089	0.371	0.383	0.378	0.364	33	499	496	396
10	11	2	108	1,254	1,256	1,264	-	-	-	-	21	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	3	2	(2)	-	-	-	-	87	1,216	1,220	985	0.371	0.381	0.378	0.364	32	464	461	359
10	11	3	103	1,196	1,192	1,193	-	-	-	-	20	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	12	5	(3)	-	-	-	-	84	1,154	1,157	920	0.369	0.377	0.375	0.364	31	435	434	335
10	11	4	101	1,166	1,155	1,150	-	-	-	-	28	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	1	2	(3)	-	-	-	-	74	1,140	1,128	882	0.367	0.380	0.376	0.364	27	434	424	321
10	11	5	102	1,172	1,154	1,143	-	-	-	-	34	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	4	1	(1)	-	-	-	-	68	1,148	1,133	877	0.365	0.384	0.377	0.364	25	441	427	319
10	11	6	107	1,222	1,197	1,181	-	-	-	-	37	-	-	-	-	-	-	-	0	27	27	274	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,183	1,166	907	0.376	0.388	0.381	0.364	26	459	444	331
10	11	7	120	1,372	1,347	1,332	-	-	-	-	35	-	-	-	-	-	-	-	16	973	977	1,227	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	69	400	374	106	0.374	0.385	0.383	0.373	26	154	143	39
10	11	8	130	1,486	1,463	1,452	-	-	-	-	27	-	-	-	-	-	-	-	35	1,828	1,881	2,177	-	-	-	-	-	(4)	(2)	0	-	-	-	-	68	(338)	(417)	(725)	0.366	0.390	0.380	0.390	25	(132)	(158)	(283)
10	11	9	135	1,547	1,528	1,523	-	-	-	-	21	-	-	-	-	-	-	-	47	2,200	2,303	2,643	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	67	(648)	(768)	(1,117)	0.371	0.015	0.384	0.014	25	(10)	(295)	(16)
10	11	10	141	1,613	1,595	1,590	-	-	-	-	19	-	-	-	-	-	-	-	52	2,323	2,459	2,828	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	69	(696)	(849)	(1,221)	0.380	0.015	0.384	0.015	26	(10)	(326)	(18)
10	11	11	145	1,662	1,644	1,639	-	-	-	-	19	-	-	-	-	-	-	-	49	2,013	2,158	2,535	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	77	(337)	(499)	(880)	0.384	0.015	0.384	0.015	29	(5)	(192)	(13)
10	11	12	147	1,691	1,674	1,669	-	-	-	-	19	-	-	-	-	-	-	-	60	2,569	2,733	3,127	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	69	(863)	(1,044)	(1,441)	0.383	0.015	0.384	0.015	26	(13)	(401)	(21)
10	11	13	149	1,717	1,703	1,701	-	-	-	-	19	-	-	-	-	-	-	-	62	2,675	2,843	3,240	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	68	(940)	(1,124)	(1,523)	0.381	0.015	0.384	0.015	26	(14)	(432)	(23)
10	11	14	152	1,750	1,740	1,742	-	-	-	-	20	-	-	-	-	-	-	-	54	2,389	2,531	2,905	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	77	(632)	(782)	(1,152)	0.376	0.015	0.384	0.014	29	(9)	(300)	(16)
10	11	15	154	1,781	1,775	1,779	-	-	-	-	21	-	-	-	-	-	-	-	49	2,253	2,373	2,727	-	-	-	-	-	(10)	(1)	2	-	-	-	-	83	(463)	(597)	(950)	0.372	0.014	0.383	0.014	31	(7)	(229)	(14)
10	11	16	157	1,821	1,822	1,834	-	-	-	-	25	-	-	-	-	-	-	-	38	1,798	1,878	2,197	-	-	-	-	-	(1)	(1)	5	-	-	-	-	94	24	(55)	(368)	0.366	0.396	0.373	0.385	34	9	(20)	(142)
10	11	17	157	1,832	1,841	1,859	-	-	-	-	29	-	-	-	-	-	-	-	10	435	458	725	-	-	-	-	-	(5)	(0)	-	-	-	-	-	118	1,402	1,383	1,133	0.380	0.402	0.397	0.392	45	564	549	444
10	11	18	154	1,794	1,807	1,828	-	-	-	-	37	-	-	-	-	-	-	-	0	6	6	253	-	-	-	-	-	(1)	2	9	-	-	-	-	117	1,789	1,799	1,566	0.388	0.398	0.394	0.379	45	711	708	593
10	11	19	158	1,857	1,879	1,908	-	-	-	-	37	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	(0)	3	15	-	-	-	-	121	1,854	1,872	1,643	0.391	0.401	0.397	0.384	47	743	743	631
10	11	20	161	1,894	1,919	1,952	-	-	-	-	35	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	8	4	10	-	-	-	-	126	1,880	1,910	1,689	0.390	0.400	0.396	0.383	49	752	757	647
10	11	21	156	1,832	1,859	1,892	-	-	-	-	35	-	-	-	-	-	-	-	-	12	12	259	-	-	-	-	-	10	3	11	-	-	-	-	121	1,810	1,844	1,622	0.385	0.396	0.392	0.378	47	717	724	613
10	11	22	146	1,724	1,752	1,785	-	-	-	-	40	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	12	5	13	-	-	-	-	106	1,687	1,723	1,501	0.376	0.389	0.386	0.367	40	657	665	551
10	11	23	133	1,573	1,600	1,631	-	-	-	-	35	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	0	12	1	-	-	-	-	99	1,551	1,566	1,362	0.365	0.384	0.380	0.364	36	596	594	496
10	11	24	138	1,629	1,653	1,682	-	-	-	-	26	-	-	-	-	-	-	-	-	12	12	259	-	-	-	-	-	4	7	(2)	-	-	-	-	113	1,613	1,634	1,426	0.365	0.371	0.375	0.364	41	598	613	519
10	12	1	111	1,292	1,302	1,315	-	-	-	-	25	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,275	1,281	1,057	0.371	0.383	0.378	0.364	32	488	485	385
10	12	2	104	1,214	1,216	1,223	-	-	-	-	21	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,192	1,196	959	0.371	0.381	0.378	0.364	31	455	451	349
10	12	3	101	1,164	1,159	1,160	-	-	-	-	20	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,131	1,133	895	0.369	0.377	0.375	0.364	30	426	425	326
10	12	4	99	1,142	1,130	1,125	-	-	-	-	28	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	1	2	(3)	-	-	-	-	72	1,116	1,103	856	0.367	0.380	0.376	0.364	26	424	414	312
10	12	5	101	1,154	1,136	1,124	-	-	-	-	34	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,125	1,109	853	0.365	0.384	0.377	0.364	24	432	418	311
10	12	6	108	1,225	1,200	1,184	-	-	-	-	37	-	-	-	-	-	-	-	0	28	28	275	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,185	1,168	910	0.376	0.388	0.381	0.364	26	459	445	331
10	12	7	120	1,364	1,338	1,323	-	-	-	-	35	-	-	-	-	-	-	-	5	362	363	612	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	79	1,003	979	712	0.374	0.385	0.383	0.373	29	386	375	265
10	12	8	128	1,465	1,442	1,431	-	-	-	-	27	-	-	-	-	-	-	-	24	1,318	1,351	1,628	-	-	-	-	-	(4)	(2)	0	-	-	-	-	77	151	93	(197)	0.366	0.390	0.380	0.390	28	59	35	(77)
10	12	9	134	1,533	1,514	1,509	-	-	-	-	21	-	-	-	-	-	-	-	34	1,648	1,720	2,032	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	79	(109)	(199)	(520)	0.371	0.015	0.384	0.014	29	(2)	(76)	(7)
10	12	10	139	1,592	1,574	1,569	-	-	-	-	19	-	-	-	-	-	-	-	46	2,266	2,356	2,685	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	75	(659)	(767)	(1,099)	0.380	0.015	0.384	0.015	28	(10)	(294)	(16)
10	12	11	143	1,637	1,618	1,612	-	-	-	-	19	-	-	-	-	-	-	-	54	2,671	2,776	3,117	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	70	(1,020)	(1,143)	(1,489)	0.384	0.015	0.384	0.015	27	(15)	(439)	(22)
10	12	12	144	1,654	1,636	1,630	-	-	-	-	19	-	-	-	-	-	-	-	55	2,713	2,823	3,169	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	70	(1,044)	(1,172)	(1,522)	0.383	0.015	0.384	0.015	27	(16)	(450)	(23)
10	12	13	144	1,658	1,643	1,640	-	-	-	-	19	-	-	-	-	-	-	-	55	2,710	2,822	3,171	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	70	(1,033)	(1,164)	(1,515)	0.381	0.015	0.384	0.015	27	(15)	(447)	(23)
10	12	14	146	1,679	1,668	1,668	-	-	-	-	20	-	-	-	-	-	-	-	50	2,490	2,592	2,931	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	75	(803)	(915)	(1,252)	0.376	0.015	0.384	0.014	28	(12)	(352)	(17)
10	12	15	147	1,694	1,685	1,687	-	-	-	-	21	-	-	-	-	-	-	-	47	2,414	2,500	2,824	-	-	-	-	-	(10)	(1)	2	-	-	-	-	79	(711)	(814)	(1,139)	0.372	0.014	0.383	0.014	29	(10)	(312)	(16)
10	12	16	148	1,716	1,716	1,725	-	-	-	-	25	-	-	-	-	-	-	-	35	1,871	1,928	2,225	-	-	-	-	-	(1)	(1)	5	-	-	-	-	88	(154)	(211)	(506)	0.366	0.396	0.373	0.385	32	(61)	(79)	(195)
10	12	17	148	1,724	1,730	1,745	-	-	-	-	29	-	-	-	-	-	-	-	8	473	486	745	-	-	-	-	-	(5)	(0)	-	-	-	-	-	111	1,256	1,244	1,001	0.380	0.402	0.397	0.392	42	505	494	392
10	12	18	148	1,728	1,739	1,759	-	-	-	-	37	-	-	-	-	-	-	-	0	95	95	342	-	-	-	-	-	(1)	2	9	-	-	-	-	111	1,634	1,643	1,408	0.388	0.398	0.394	0.379	43	650	646	533
10	12	19	155	1,812	1,832	1,860	-	-	-	-	37	-	-	-	-	-	-	-	-	78	78	325	-	-	-	-	-	(0)	3	15	-	-	-	-	117	1,734	1,751	1,521	0.391	0.401	0.397	0.384	46	695	695	584
10	12	20	159	1,866	1,891	1,923	-	-	-	-	35	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	8	4	10	-	-	-	-	124	1,797	1,826	1,604	0.390	0.400	0.396	0.383	48	719	723	614
10	12	21	154	1,811	1,838	1,870	-	-	-	-	35	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	10	3	11	-	-	-	-	119	1,739	1,772	1,550	0.385	0.396	0.392	0.378	46	689	695	585
10	12	22	145	1,703	1,731	1,764	-	-	-	-	40	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	12	5	13	-	-	-	-	105	1,631	1,666	1,443	0.376	0.389	0.386	0.367	39	635	643	530
10	12	23	131	1,545	1,571	1,601	-	-	-	-	35	-	-	-	-	-	-	-	-	54	54	301	-	-	-	-	-	0	12	1	-	-	-	-	96	1,490	1,504	1,299	0.365	0.384	0.380	0.364	35	573	571	473
10	12	24	135	1,590	1,613	1,641	-	-	-	-	26	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	4	7	(2)	-	-	-	-	109	1,537	1,557	1,347	0.365	0.371	0.375	0.364	40	570	584	491
10	13	1	109	1,276	1,284	1,298	-	-	-	-	25	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	6	9	(0)	-	-	-	-	84	1,226	1,232	1,008	0.371	0.383	0.378	0.364	31	469	466	367
10	13	2	103	1,199	1,200	1,206	-	-	-	-	21	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	3	2	(2)	-	-	-	-	83	1,151	1,153	916	0.371	0.381	0.378	0.364	31	439	435	334
10	13	3	100	1,150	1,145	1,146	-	-	-	-	20	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,096	1,098	859	0.369	0.377	0.375	0.364	30	413	411	313
10	13	4	98	1,130	1,118	1,112	-	-	-	-	28	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,088	1,075	828	0.367	0.380	0.376	0.364	26	414	404	301
10	13	5	100	1,141	1,122	1,110	-	-	-	-	34	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,107	1,091	834	0.365	0.384	0.377	0.364	24	425	411	304
10	13	6	106	1,210	1,184	1,167	-	-	-	-	37	-	-	-	-	-	-	-	0	36	36	283	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,162	1,143	885	0.376	0.388	0.381	0.364	26	450	436	322
10	13	7	120	1,363	1,338	1,322	-	-	-	-	35	-	-	-	-	-	-	-	15	967	971	1,221	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	69	397	371	102	0.374	0.385	0.383	0.373	26	153	142	38
10	13	8	128	1,458	1,434	1,423	-	-	-	-	27	-	-	-	-	-	-	-	35	1,862	1,911	2,202	-	-	-	-	-	(4)	(2)	0	-	-	-	-	66	(400)	(475)	(780)	0.366	0.390	0.380	0.390	24	(156)	(180)	(304)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	13	9	131	1,503	1,483	1,477	-	-	-	-	21	-	-	-	-	-	-	-	49	2,391	2,488	2,821	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	61	(882)	(997)	(1,342)	0.371	0.015	0.384	0.014	23	(13)	(383)	(19)
10	13	10	136	1,562	1,543	1,537	-	-	-	-	19	-	-	-	-	-	-	-	58	2,733	2,863	3,227	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	60	(1,156)	(1,305)	(1,673)	0.380	0.015	0.384	0.015	23	(17)	(501)	(25)
10	13	11	141	1,621	1,602	1,595	-	-	-	-	19	-	-	-	-	-	-	-	61	2,791	2,942	3,325	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	60	(1,156)	(1,325)	(1,713)	0.384	0.015	0.384	0.015	23	(17)	(509)	(25)
10	13	12	145	1,663	1,646	1,640	-	-	-	-	19	-	-	-	-	-	-	-	64	2,832	3,000	3,398	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	62	(1,154)	(1,339)	(1,741)	0.383	0.015	0.384	0.015	24	(17)	(514)	(26)
10	13	13	148	1,702	1,688	1,685	-	-	-	-	19	-	-	-	-	-	-	-	63	2,803	2,961	3,350	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	66	(1,083)	(1,258)	(1,649)	0.381	0.015	0.384	0.015	25	(16)	(483)	(25)
10	13	14	150	1,729	1,719	1,720	-	-	-	-	20	-	-	-	-	-	-	-	61	2,754	2,909	3,294	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	68	(1,018)	(1,181)	(1,563)	0.376	0.015	0.384	0.014	26	(15)	(454)	(22)
10	13	15	152	1,752	1,745	1,748	-	-	-	-	21	-	-	-	-	-	-	-	55	2,488	2,620	2,985	-	-	-	-	-	(10)	(1)	2	-	-	-	-	76	(726)	(874)	(1,239)	0.372	0.014	0.383	0.014	28	(10)	(335)	(18)
10	13	16	152	1,766	1,767	1,777	-	-	-	-	25	-	-	-	-	-	-	-	39	1,774	1,866	2,195	-	-	-	-	-	(1)	(1)	5	-	-	-	-	88	(6)	(98)	(423)	0.366	0.396	0.373	0.385	32	(2)	(37)	(163)
10	13	17	152	1,773	1,780	1,796	-	-	-	-	29	-	-	-	-	-	-	-	7	298	321	588	-	-	-	-	-	(5)	(0)	-	-	-	-	-	116	1,481	1,460	1,208	0.380	0.402	0.397	0.392	44	596	580	473
10	13	18	151	1,764	1,776	1,796	-	-	-	-	37	-	-	-	-	-	-	-	0	31	31	278	-	-	-	-	-	(1)	2	9	-	-	-	-	114	1,734	1,743	1,509	0.388	0.398	0.394	0.379	44	689	686	571
10	13	19	157	1,837	1,858	1,886	-	-	-	-	37	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	(0)	3	15	-	-	-	-	119	1,786	1,803	1,573	0.391	0.401	0.397	0.384	47	716	716	604
10	13	20	160	1,881	1,906	1,937	-	-	-	-	35	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	8	4	10	-	-	-	-	125	1,829	1,858	1,637	0.390	0.400	0.396	0.383	49	732	736	627
10	13	21	155	1,827	1,854	1,886	-	-	-	-	35	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	10	3	11	-	-	-	-	121	1,775	1,809	1,587	0.385	0.396	0.392	0.378	47	704	710	599
10	13	22	146	1,722	1,750	1,784	-	-	-	-	40	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	12	5	13	-	-	-	-	106	1,672	1,708	1,485	0.376	0.389	0.386	0.367	40	651	659	545
10	13	23	133	1,566	1,592	1,623	-	-	-	-	35	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	0	12	1	-	-	-	-	98	1,544	1,559	1,354	0.365	0.384	0.380	0.364	36	594	592	493
10	13	24	138	1,622	1,646	1,674	-	-	-	-	26	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	4	7	(2)	-	-	-	-	112	1,604	1,625	1,416	0.365	0.371	0.375	0.364	41	594	609	516
10	14	1	110	1,287	1,297	1,310	-	-	-	-	25	-	-	-	-	-	-	-	-	9	9	256	-	-	-	-	-	6	9	(0)	-	-	-	-	85	1,272	1,279	1,055	0.371	0.383	0.378	0.364	32	487	484	384
10	14	2	104	1,212	1,213	1,220	-	-	-	-	21	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,206	1,209	973	0.371	0.381	0.378	0.364	31	460	457	354
10	14	3	100	1,160	1,155	1,156	-	-	-	-	20	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,148	1,150	912	0.369	0.377	0.375	0.364	30	433	431	332
10	14	4	99	1,133	1,121	1,116	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	71	1,133	1,119	873	0.367	0.380	0.376	0.364	26	431	421	318
10	14	5	101	1,149	1,130	1,119	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,146	1,130	873	0.365	0.384	0.377	0.364	24	440	426	318
10	14	6	107	1,221	1,196	1,180	-	-	-	-	37	-	-	-	-	-	-	-	0	9	9	256	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,201	1,183	925	0.376	0.388	0.381	0.364	26	466	451	337
10	14	7	120	1,367	1,341	1,326	-	-	-	-	35	-	-	-	-	-	-	-	15	934	938	1,188	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	69	433	407	138	0.374	0.385	0.383	0.373	26	167	156	52
10	14	8	129	1,474	1,451	1,440	-	-	-	-	27	-	-	-	-	-	-	-	36	1,845	1,903	2,202	-	-	-	-	-	(4)	(2)	0	-	-	-	-	66	(367)	(450)	(762)	0.366	0.390	0.380	0.390	24	(143)	(171)	(297)
10	14	9	133	1,519	1,499	1,493	-	-	-	-	21	-	-	-	-	-	-	-	51	2,390	2,501	2,849	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	61	(865)	(995)	(1,353)	0.371	0.015	0.384	0.014	22	(13)	(382)	(19)
10	14	10	138	1,575	1,556	1,551	-	-	-	-	19	-	-	-	-	-	-	-	60	2,695	2,844	3,225	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	59	(1,106)	(1,273)	(1,658)	0.380	0.015	0.384	0.015	22	(16)	(489)	(25)
10	14	11	141	1,621	1,602	1,595	-	-	-	-	19	-	-	-	-	-	-	-	65	2,841	3,013	3,415	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	57	(1,206)	(1,396)	(1,803)	0.384	0.015	0.384	0.015	22	(18)	(536)	(27)
10	14	12	144	1,655	1,637	1,631	-	-	-	-	19	-	-	-	-	-	-	-	66	2,867	3,048	3,457	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	59	(1,197)	(1,396)	(1,810)	0.383	0.015	0.384	0.015	23	(18)	(536)	(27)
10	14	13	146	1,683	1,668	1,665	-	-	-	-	19	-	-	-	-	-	-	-	64	2,786	2,961	3,366	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	63	(1,085)	(1,278)	(1,684)	0.381	0.015	0.384	0.015	24	(16)	(491)	(25)
10	14	14	150	1,728	1,718	1,718	-	-	-	-	20	-	-	-	-	-	-	-	63	2,734	2,903	3,301	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	67	(999)	(1,176)	(1,571)	0.376	0.015	0.384	0.014	25	(15)	(452)	(22)
10	14	15	151	1,749	1,742	1,745	-	-	-	-	21	-	-	-	-	-	-	-	56	2,495	2,641	3,018	-	-	-	-	-	(10)	(1)	2	-	-	-	-	74	(736)	(898)	(1,274)	0.372	0.014	0.383	0.014	28	(11)	(344)	(18)
10	14	16	152	1,764	1,764	1,775	-	-	-	-	25	-	-	-	-	-	-	-	41	1,851	1,952	2,290	-	-	-	-	-	(1)	(1)	5	-	-	-	-	86	(86)	(187)	(521)	0.366	0.396	0.373	0.385	31	(34)	(70)	(200)
10	14	17	151	1,760	1,767	1,783	-	-	-	-	29	-	-	-	-	-	-	-	13	582	612	886	-	-	-	-	-	(5)	(0)	-	-	-	-	-	109	1,183	1,155	897	0.380	0.402	0.397	0.392	41	476	459	351
10	14	18	150	1,745	1,756	1,776	-	-	-	-	37	-	-	-	-	-	-	-	0	3	3	251	-	-	-	-	-	(1)	2	9	-	-	-	-	113	1,742	1,751	1,517	0.388	0.398	0.394	0.379	44	693	689	574
10	14	19	153	1,799	1,819	1,846	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	(0)	3	15	-	-	-	-	116	1,799	1,816	1,585	0.391	0.401	0.397	0.384	45	721	721	608
10	14	20	155	1,824	1,848	1,879	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	4	10	-	-	-	-	120	1,816	1,845	1,622	0.390	0.400	0.396	0.383	47	727	731	621
10	14	21	150	1,768	1,794	1,825	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	3	11	-	-	-	-	116	1,759	1,791	1,567	0.385	0.396	0.392	0.378	45	697	703	592
10	14	22	143	1,686	1,714	1,746	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	13	-	-	-	-	103	1,674	1,709	1,485	0.376	0.389	0.386	0.367	39	652	659	545
10	14	23	132	1,561	1,587	1,618	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	0	12	1	-	-	-	-	98	1,561	1,575	1,371	0.365	0.384	0.380	0.364	36	600	598	499
10	14	24	136	1,603	1,626	1,654	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	7	(2)	-	-	-	-	111	1,599	1,619	1,410	0.365	0.371	0.375	0.364	40	593	607	513
10	15	1	111	1,303	1,312	1,326	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,297	1,303	1,080	0.371	0.383	0.378	0.364	32	496	493	393
10	15	2	105	1,221	1,223	1,230	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	2	(2)	-	-	-	-	85	1,218	1,221	985	0.371	0.381	0.378	0.364	31	464	461	359
10	15	3	101	1,167	1,162	1,163	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,155	1,158	919	0.369	0.377	0.375	0.364	30	435	434	335
10	15	4	99	1,138	1,126	1,121	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	71	1,138	1,124	878	0.367	0.380	0.376	0.364	26	432	422	319
10	15	5	99	1,127	1,107	1,095	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,123	1,107	850	0.365	0.384	0.377	0.364	24	431	417	309
10	15	6	101	1,145	1,118	1,100	-	-	-	-	37	-	-	-	-	-	-	-	0	7	7	254	-	-	-	-	-	12	4	(1)	-	-	-	-	64	1,127	1,107	847	0.376	0.388	0.381	0.364	24	437	422	308
10	15	7	106	1,202	1,173	1,154	-	-	-	-	35	-	-	-	-	-	-	-	14	888	892	1,142	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	56	315	285	13	0.374	0.385	0.383	0.373	21	121	109	5
10	15	8	111	1,256	1,228	1,212	-	-	-	-	27	-	-	-	-	-	-	-	33	1,750	1,796	2,085	-	-	-	-	-	(4)	(2)	0	-	-	-	-	50	(490)	(567)	(874)	0.366	0.390	0.380	0.390	18	(191)	(215)	(341)
10	15	9	117	1,337	1,314	1,303	-	-	-	-	21	-	-	-	-	-	-	-	46	2,277	2,364	2,689	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	50	(933)	(1,043)	(1,383)	0.371	0.015	0.384	0.014	19	(14)	(401)	(19)
10	15	10	124	1,414	1,392	1,382	-	-	-	-	19	-	-	-	-	-	-	-	55	2,601	2,722	3,079	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	50	(1,172)	(1,315)	(1,680)	0.380	0.015	0.384	0.015	19	(17)	(505)	(25)
10	15	11	129	1,478	1,456	1,445	-	-	-	-	19	-	-	-	-	-	-	-	59	2,693	2,831	3,202	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	51	(1,201)	(1,360)	(1,740)	0.384	0.015	0.384	0.015	20	(18)	(522)	(26)
10	15	12	133	1,520	1,499	1,490	-	-	-	-	19	-	-	-	-	-	-	-	60	2,736	2,883	3,262	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	54	(1,201)	(1,369)	(1,755)	0.383	0.015	0.384	0.015	21	(18)	(526)	(26)
10	15	13	135	1,554	1,537	1,531	-	-	-	-	19	-	-	-	-	-	-	-	60	2,743	2,888	3,264	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	56	(1,171)	(1,336)	(1,717)	0.381	0.015	0.384	0.015	22	(17)	(513)	(26)
10	15	14	137	1,576	1,563	1,560	-	-	-	-	20	-	-	-	-	-	-	-	58	2,672	2,811	3,181	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	59	(1,089)	(1,239)	(1,610)	0.376	0.015	0.384	0.014	22	(16)	(476)	(22)
10	15	15	138	1,596	1,585	1,584	-	-	-	-	21	-	-	-	-	-	-	-	51	2,443	2,557	2,906	-	-	-	-	-	(10)	(1)	2	-	-	-	-	66	(838)	(971)	(1,323)	0.372	0.014	0.383	0.014	25	(12)	(372)	(19)
10	15	16	140	1,624	1,622	1,629	-	-	-	-	25	-	-	-	-	-	-	-	40	1,988	2,069	2,390	-	-	-	-	-	(1)	(1)	5	-	-	-	-	75	(362)	(447)	(766)	0.366	0.396	0.373	0.385	27	(143)	(167)	(295)
10	15	17	140	1,631	1,635	1,648	-	-	-	-	29	-	-	-	-	-	-	-	14	799	824	1,092	-	-	-	-	-	(5)	(0)	-	-	-	-	-	97	837	812	556	0.380	0.402	0.397	0.392	37	337	322	218
10	15	18	141	1,648	1,658	1,675	-	-	-	-	37	-	-	-	-	-	-	-	0	86	86	334	-	-	-	-	-	(1)	2	9	-	-	-	-	104	1,563	1,569	1,333	0.388	0.398	0.394	0.379	40	621	618	505
10	15	19	148	1,733	1,752	1,778	-	-	-	-	37	-	-	-	-	-	-	-	-	94	94	341	-	-	-	-	-	(0)	3	15	-	-	-	-	111	1,640	1,655	1,423	0.391	0.401	0.397	0.384	43	657	657	546
10	15	20	149	1,748	1,770	1,799	-	-	-	-	35	-	-	-	-	-	-	-	-	84	84	331	-	-	-	-	-	8	4	10	-	-	-	-	114	1,656	1,682	1,458	0.390	0.400	0.396	0.383	44	663	667	558
10	15	21	146	1,711	1,735	1,765	-	-	-	-	35	-	-	-	-	-	-	-	-	72	72	319	-	-	-	-	-	10	3	11	-	-	-	-	111	1,629	1,660	1,435	0.385	0.396	0.392	0.378	43	646	651	542
10	15	22	140	1,648	1,675	1,706	-	-	-	-	40	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	12	5	13	-	-	-	-	100	1,576	1,609	1,385	0.376	0.389	0.386	0.367	38	614	621	509
10	15	23	131	1,541	1,567	1,597	-	-	-	-	35	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	0	12	1	-	-	-	-	96	1,481	1,494	1,289	0.365	0.384	0.380	0.364	35	569	567	470
10	15	24	130	1,535	1,556	1,583	-	-	-	-	26	-	-	-	-	-	-	-	-	61	61	308	-	-	-	-	-	4	7	(2)	-	-	-	-	105	1,469	1,488	1,277	0.365	0.371	0.375	0.364	38	545	558	465
10	16	1	112	1,304	1,314	1,328	-	-	-	-	25	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	6	9	(0)	-	-	-	-	87	1,241	1,248	1,024	0.371	0.383	0.378	0.364	32	475	472	373
10	16	2	105	1,224	1,226	1,233	-	-	-	-	21	-	-	-	-	-	-	-	-	59	59	306	-	-	-	-	-	3	2	(2)	-	-	-	-	85	1,161	1,165	928	0.371	0.381	0.378	0.364	31	443	440	338
10	16	3	101	1,168	1,164	1,165	-	-	-	-	20	-	-	-	-	-	-	-	-	60	60	307	-	-	-	-	-	12	5	(3)	-	-	-	-	82	1,097	1,099	861	0.369	0.377	0.375	0.364	30	413	412	313
10	16	4	98	1,132	1,120	1,115	-	-	-	-	28	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	1	2	(3)	-	-	-	-	71	1,069	1,056	809	0.367	0.380	0.376	0.364	26	406	397	295
10	16	5	97	1,110	1,090	1,078	-	-	-	-	34	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	4	1	(1)	-	-	-	-	63	1,042	1,025	767	0.365	0.384	0.377	0.364	23	400	386	279
10	16	6	98	1,111	1,083	1,064	-	-	-	-	37	-	-	-	-	-	-	-	0	65	65	312	-	-	-	-	-	12	4	(1)	-	-	-	-	61	1,034	1,014	753	0.376	0.388	0.381	0.364	23	401	386	274
10	16	7	101	1,143	1,112	1,091	-	-	-	-	35	-	-	-	-	-	-	-	14	937	940	1,189	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	51	207	176	(98)	0.374	0.385	0.383	0.373	19	79	67	(36)
10	16	8	105	1,186	1,156	1,138	-	-	-	-	27	-	-	-	-	-	-	-	33	1,830	1,875	2,162	-	-	-	-	-	(4)	(2)	0	-	-	-	-	44	(640)	(717)	(1,025)	0.366	0.390	0.380	0.390	16	(249)	(272)	(400)
10	16	9	110	1,255	1,229	1,216	-	-	-	-	21	-	-	-	-	-	-	-	46	2,337	2,426	2,753	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	43	(1,076)	(1,190)	(1,534)	0.371	0.015	0.384	0.014	16	(16)	(457)	(22)
10	16	10	117	1,331	1,306	1,294	-	-	-	-	19	-	-	-	-	-	-	-	55	2,702	2,815	3,164	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	43	(1,356)	(1,494)	(1,854)	0.380	0.015	0.384	0.015	16	(20)	(574)	(28)
10	16	11	123	1,398	1,374	1,361	-	-	-	-	19	-	-	-	-	-	-	-	59	2,807	2,941	3,309	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	44	(1,395)	(1,553)	(1,931)	0.384	0.015	0.384	0.015	17	(21)	(596)	(29)
10	16	12	127	1,446	1,423	1,412	-	-	-	-	19	-	-	-	-	-	-	-	59	2,820	2,959	3,330	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	48	(1,359)	(1,521)	(1,902)	0.383	0.015	0.384	0.015	18	(20)	(584)	(28)
10	16	13	129	1,480	1,461	1,453	-	-	-	-	19	-	-	-	-	-	-	-	56	2,686	2,812	3,172	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	54	(1,188)	(1,336)	(1,703)	0.381	0.015	0.384	0.015	21	(18)	(513)	(25)
10	16	14	131	1,501	1,486	1,481	-	-	-	-	20	-	-	-	-	-	-	-	56	2,733	2,858	3,218	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	54	(1,224)	(1,364)	(1,725)	0.376	0.015	0.384	0.014	20	(18)	(524)	(24)
10	16	15	132	1,513	1,500	1,498	-	-	-	-	21	-	-	-	-	-	-	-	50	2,461	2,566	2,907	-	-	-	-	-	(10)	(1)	2	-	-	-	-	61	(939)	(1,065)	(1,412)	0.372	0.014	0.383	0.014	23	(13)	(408)	(20)
10	16	16	133	1,534	1,529	1,533	-	-	-	-	25	-	-	-	-	-	-	-	36	1,822	1,900	2,217	-	-	-	-	-	(1)	(1)	5	-	-	-	-	71	(287)	(371)	(689)	0.366	0.396	0.373	0.385	26	(114)	(138)	(265)
10	16	17	134	1,557	1,559	1,570	-	-	-	-	29	-	-	-	-	-	-	-	14	841	862	1,128	-	-	-	-	-	(5)	(0)	-	-	-	-	-	90	721	697	442	0.380	0.402	0.397	0.392	34	290	277	173
10	16	18	137	1,592	1,600	1,616	-	-	-	-	37	-	-	-	-	-	-	-	0	87	87	334	-	-	-	-	-	(1)	2	9	-	-	-	-	100	1,505	1,511	1,273	0.388	0.398	0.394	0.379	39	599	595	482
10	16	19	146	1,708	1,726	1,751	-	-	-	-	37	-	-	-	-	-	-	-	-	82	82	329	-	-	-	-	-	(0)	3	15	-	-	-	-	109	1,626	1,641	1,408	0.391	0.401	0.397	0.384	42	652	651	541
10	16	20	150	1,760	1,782	1,811	-	-	-	-	35	-	-	-	-	-	-	-	-	58	58	305	-	-	-	-	-	8	4	10	-	-	-	-	115	1,694	1,721	1,496	0.390	0.400	0.396	0.383	45	678	682	573
10	16	21	146	1,722	1,746	1,776	-	-	-	-	35	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	10	3	11	-	-	-	-	112	1,669	1,700	1,475	0.385	0.396	0.392	0.378	43	661	667	557
10	16	22	139	1,631	1,658	1,689	-	-	-	-	40	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	12	5	13	-	-	-	-	99	1,585	1,618	1,394	0.376	0.389	0.386	0.367	37	617	624	512
10	16	23	127	1,491	1,515	1,544	-	-	-	-	35	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	0	12	1	-	-	-	-	92	1,456	1,469	1,262	0.365	0.384	0.380	0.364	34	560	558	460
10	16	24	125	1,466	1,487	1,512	-	-	-	-	26	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	4	7	(2)	-	-	-	-	99	1,424	1,441	1,228	0.365	0.371	0.375	0.364	36	528	540	447
10	17	1	107	1,251	1,259	1,271	-	-	-	-	25	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	6	9	(0)	-	-	-	-	82	1,198	1,204	979	0.371	0.383	0.378	0.364	30	458	455	357
10	17	2	101	1,178	1,179	1,185	-	-	-	-	21	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	3	2	(2)	-	-	-	-	81	1,126	1,129	891	0.371	0.381	0.378	0.364	30	429	426	325
10	17	3	98	1,135	1,129	1,129	-	-	-	-	20	-	-	-	-	-	-	-	-	47	47	294	-	-	-	-	-	12	5	(3)	-	-	-	-	79	1,076	1,078	838	0.369	0.377	0.375	0.364	29	405	404	305
10	17	4	97	1,115	1,103	1,098	-	-	-	-	28	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,070	1,056	809	0.367	0.380	0.376	0.364	25	407	397	294
10	17	5	99	1,134	1,115	1,103	-	-	-	-	34	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,083	1,067	810	0.365	0.384	0.377	0.364	24	416	402	295
10	17	6	106	1,211	1,186	1,169	-	-	-	-	37	-	-	-	-	-	-	-	0	55	55	302	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,144	1,126	868	0.376	0.388	0.381	0.364	26	443	429	316
10	17	7	120	1,366	1,341	1,325	-	-	-	-	35	-	-	-	-	-	-	-	12	820	823	1,072	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	72	547	522	254	0.374	0.385	0.383	0.373	27	210	200	95
10	17	8	131	1,494	1,472	1,461	-	-	-	-	27	-	-	-	-	-	-	-	33	1,790	1,835	2,123	-	-	-	-	-	(4)	(2)	0	-	-	-	-	71	(292)	(362)	(662)	0.366	0.390	0.380	0.390	26	(114)	(137)	(258)
10	17	9	136	1,555	1,536	1,531	-	-	-	-	21	-	-	-	-	-	-	-	46	2,339	2,426	2,750	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	68	(778)	(882)	(1,216)	0.371	0.015	0.384	0.014	25	(12)	(339)	(17)
10	17	10	141	1,612	1,594	1,589	-	-	-	-	19	-	-	-	-	-	-	-	55	2,675	2,797	3,153	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	66	(1,049)	(1,188)	(1,548)	0.380	0.015	0.384	0.015	25	(16)	(456)	(23)
10	17	11	145	1,667	1,649	1,644	-	-	-	-	19	-	-	-	-	-	-	-	60	2,832	2,976	3,352	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	65	(1,151)	(1,312)	(1,692)	0.384	0.015	0.384	0.015	25	(17)	(504)	(25)
10	17	12	148	1,702	1,685	1,680	-	-	-	-	19	-	-	-	-	-	-	-	62	2,883	3,039	3,426	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	67	(1,166)	(1,339)	(1,729)	0.383	0.015	0.384	0.015	26	(17)	(514)	(26)
10	17	13	149	1,721	1,708	1,706	-	-	-	-	19	-	-	-	-	-	-	-	61	2,851	3,000	3,381	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	70	(1,112)	(1,277)	(1,659)	0.381	0.015	0.384	0.015	26	(17)	(490)	(25)
10	17	14	152	1,748	1,739	1,740	-	-	-	-	20	-	-	-	-	-	-	-	60	2,826	2,973	3,352	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	71	(1,070)	(1,225)	(1,600)	0.376	0.015	0.384	0.014	27	(16)	(470)	(22)
10	17	15	152	1,761	1,754	1,757	-	-	-	-	21	-	-	-	-	-	-	-	54	2,564	2,693	3,055	-	-	-	-	-	(10)	(1)	2	-	-	-	-	77	(794)	(938)	(1,300)	0.372	0.014	0.383	0.014	29	(11)	(360)	(19)
10	17	16	153	1,775	1,776	1,787	-	-	-	-	25	-	-	-	-	-	-	-	39	1,933	2,019	2,342	-	-	-	-	-	(1)	(1)	5	-	-	-	-	89	(157)	(242)	(561)	0.366	0.396	0.373	0.385	32	(62)	(90)	(216)
10	17	17	152	1,770	1,777	1,793	-	-	-	-	29	-	-	-	-	-	-	-	18	1,052	1,077	1,347	-	-	-	-	-	(5)	(0)	-	-	-	-	-	104	722	700	446	0.380	0.402	0.397	0.392	40	291	278	175
10	17	18	152	1,772	1,785	1,805	-	-	-	-	37	-	-	-	-	-	-	-	0	67	67	314	-	-	-	-	-	(1)	2	9	-	-	-	-	115	1,706	1,716	1,482	0.388	0.398	0.394	0.379	45	678	675	561
10	17	19	159	1,867	1,889	1,918	-	-	-	-	37	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	(0)	3	15	-	-	-	-	122	1,798	1,817	1,588	0.391	0.401	0.397	0.384	48	721	721	610

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	17	20	162	1,897	1,923	1,955	-	-	-	-	35	-	-	-	-	-	-	-	-	73	73	320	-	-	-	-	-	8	4	10	-	-	-	-	126	1,816	1,846	1,625	0.390	0.400	0.396	0.383	49	727	731	622
10	17	21	156	1,831	1,858	1,890	-	-	-	-	35	-	-	-	-	-	-	-	-	66	66	313	-	-	-	-	-	10	3	11	-	-	-	-	121	1,755	1,788	1,566	0.385	0.396	0.392	0.378	47	695	702	591
10	17	22	145	1,713	1,741	1,774	-	-	-	-	40	-	-	-	-	-	-	-	-	62	62	309	-	-	-	-	-	12	5	13	-	-	-	-	106	1,639	1,674	1,451	0.376	0.389	0.386	0.367	40	638	646	533
10	17	23	132	1,552	1,578	1,608	-	-	-	-	35	-	-	-	-	-	-	-	-	57	57	304	-	-	-	-	-	0	12	1	-	-	-	-	97	1,495	1,509	1,304	0.365	0.384	0.380	0.364	35	575	573	475
10	17	24	138	1,622	1,646	1,675	-	-	-	-	26	-	-	-	-	-	-	-	-	46	46	293	-	-	-	-	-	4	7	(2)	-	-	-	-	112	1,572	1,593	1,384	0.365	0.371	0.375	0.364	41	583	597	504
10	18	1	108	1,267	1,276	1,289	-	-	-	-	25	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	6	9	(0)	-	-	-	-	83	1,226	1,232	1,007	0.371	0.383	0.378	0.364	31	469	466	367
10	18	2	102	1,190	1,191	1,198	-	-	-	-	21	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	3	2	(2)	-	-	-	-	82	1,153	1,156	919	0.371	0.381	0.378	0.364	30	440	436	334
10	18	3	98	1,137	1,132	1,132	-	-	-	-	20	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	12	5	(3)	-	-	-	-	79	1,094	1,096	857	0.369	0.377	0.375	0.364	29	412	411	312
10	18	4	97	1,116	1,103	1,098	-	-	-	-	28	-	-	-	-	-	-	-	-	19	19	266	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,095	1,082	835	0.367	0.380	0.376	0.364	25	416	406	304
10	18	5	99	1,127	1,108	1,095	-	-	-	-	34	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,112	1,096	839	0.365	0.384	0.377	0.364	24	427	413	305
10	18	6	105	1,197	1,171	1,154	-	-	-	-	37	-	-	-	-	-	-	-	0	10	10	257	-	-	-	-	-	12	4	(1)	-	-	-	-	68	1,175	1,157	898	0.376	0.388	0.381	0.364	26	456	441	327
10	18	7	118	1,346	1,320	1,304	-	-	-	-	35	-	-	-	-	-	-	-	14	869	873	1,123	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	68	477	451	182	0.374	0.385	0.383	0.373	26	183	173	68
10	18	8	126	1,437	1,413	1,401	-	-	-	-	27	-	-	-	-	-	-	-	35	1,793	1,846	2,141	-	-	-	-	-	(4)	(2)	0	-	-	-	-	64	(353)	(432)	(740)	0.366	0.390	0.380	0.390	23	(137)	(164)	(289)
10	18	9	130	1,482	1,462	1,455	-	-	-	-	21	-	-	-	-	-	-	-	48	2,286	2,385	2,720	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	61	(798)	(916)	(1,262)	0.371	0.015	0.384	0.014	23	(12)	(352)	(18)
10	18	10	135	1,547	1,528	1,521	-	-	-	-	19	-	-	-	-	-	-	-	56	2,617	2,746	3,109	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	60	(1,055)	(1,203)	(1,572)	0.380	0.015	0.384	0.015	23	(16)	(462)	(23)
10	18	11	141	1,614	1,595	1,588	-	-	-	-	19	-	-	-	-	-	-	-	62	2,785	2,939	3,324	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	60	(1,157)	(1,329)	(1,719)	0.384	0.015	0.384	0.015	23	(17)	(510)	(26)
10	18	12	144	1,655	1,637	1,632	-	-	-	-	19	-	-	-	-	-	-	-	64	2,819	2,984	3,378	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	61	(1,148)	(1,331)	(1,730)	0.383	0.015	0.384	0.015	24	(17)	(511)	(26)
10	18	13	146	1,683	1,669	1,666	-	-	-	-	19	-	-	-	-	-	-	-	62	2,733	2,895	3,287	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	65	(1,032)	(1,211)	(1,605)	0.381	0.015	0.384	0.015	25	(15)	(465)	(24)
10	18	14	149	1,721	1,711	1,712	-	-	-	-	20	-	-	-	-	-	-	-	61	2,728	2,882	3,268	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	68	(1,000)	(1,163)	(1,544)	0.376	0.015	0.384	0.014	26	(15)	(446)	(22)
10	18	15	151	1,743	1,735	1,739	-	-	-	-	21	-	-	-	-	-	-	-	54	2,474	2,606	2,971	-	-	-	-	-	(10)	(1)	2	-	-	-	-	75	(721)	(870)	(1,235)	0.372	0.014	0.383	0.014	28	(10)	(333)	(18)
10	18	16	152	1,764	1,765	1,775	-	-	-	-	25	-	-	-	-	-	-	-	40	1,875	1,967	2,296	-	-	-	-	-	(1)	(1)	5	-	-	-	-	86	(110)	(201)	(526)	0.366	0.396	0.373	0.385	32	(43)	(75)	(202)
10	18	17	152	1,766	1,773	1,789	-	-	-	-	29	-	-	-	-	-	-	-	19	983	1,009	1,280	-	-	-	-	-	(5)	(0)	-	-	-	-	-	104	789	764	509	0.380	0.402	0.397	0.392	39	317	304	200
10	18	18	151	1,762	1,774	1,794	-	-	-	-	37	-	-	-	-	-	-	-	0	2	2	249	-	-	-	-	-	(1)	2	9	-	-	-	-	114	1,761	1,770	1,537	0.388	0.398	0.394	0.379	44	700	697	582
10	18	19	157	1,842	1,863	1,892	-	-	-	-	37	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	(0)	3	15	-	-	-	-	120	1,842	1,860	1,630	0.391	0.401	0.397	0.384	47	738	738	626
10	18	20	160	1,874	1,899	1,930	-	-	-	-	35	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	4	10	-	-	-	-	124	1,865	1,895	1,673	0.390	0.400	0.396	0.383	49	746	751	641
10	18	21	154	1,811	1,838	1,870	-	-	-	-	35	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	10	3	11	-	-	-	-	119	1,801	1,834	1,612	0.385	0.396	0.392	0.378	46	714	720	609
10	18	22	144	1,697	1,725	1,758	-	-	-	-	40	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	12	5	13	-	-	-	-	104	1,681	1,717	1,494	0.376	0.389	0.386	0.367	39	655	662	548
10	18	23	130	1,537	1,563	1,593	-	-	-	-	35	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	0	12	1	-	-	-	-	96	1,530	1,544	1,338	0.365	0.384	0.380	0.364	35	588	586	488
10	18	24	136	1,597	1,620	1,648	-	-	-	-	26	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	4	7	(2)	-	-	-	-	110	1,582	1,602	1,393	0.365	0.371	0.375	0.364	40	586	601	507
10	19	1	108	1,264	1,272	1,285	-	-	-	-	25	-	-	-	-	-	-	-	-	13	13	260	-	-	-	-	-	6	9	(0)	-	-	-	-	83	1,244	1,250	1,025	0.371	0.383	0.378	0.364	31	476	473	373
10	19	2	103	1,191	1,193	1,199	-	-	-	-	21	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	3	2	(2)	-	-	-	-	82	1,178	1,180	943	0.371	0.381	0.378	0.364	30	449	446	343
10	19	3	98	1,137	1,132	1,132	-	-	-	-	20	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	12	5	(3)	-	-	-	-	79	1,112	1,114	875	0.369	0.377	0.375	0.364	29	419	417	318
10	19	4	97	1,114	1,102	1,096	-	-	-	-	28	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,098	1,085	837	0.367	0.380	0.376	0.364	25	417	407	305
10	19	5	99	1,132	1,112	1,101	-	-	-	-	34	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,112	1,096	839	0.365	0.384	0.377	0.364	24	427	413	306
10	19	6	107	1,213	1,188	1,172	-	-	-	-	37	-	-	-	-	-	-	-	0	19	19	266	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,182	1,164	906	0.376	0.388	0.381	0.364	26	458	444	330
10	19	7	120	1,363	1,337	1,322	-	-	-	-	35	-	-	-	-	-	-	-	13	841	845	1,094	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	71	522	496	228	0.374	0.385	0.383	0.373	26	201	190	85
10	19	8	128	1,457	1,434	1,422	-	-	-	-	27	-	-	-	-	-	-	-	34	1,767	1,821	2,116	-	-	-	-	-	(4)	(2)	0	-	-	-	-	66	(307)	(386)	(694)	0.366	0.390	0.380	0.390	24	(120)	(146)	(271)
10	19	9	132	1,509	1,490	1,484	-	-	-	-	21	-	-	-	-	-	-	-	48	2,316	2,417	2,754	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	63	(800)	(920)	(1,268)	0.371	0.015	0.384	0.014	23	(12)	(353)	(18)
10	19	10	138	1,583	1,564	1,559	-	-	-	-	19	-	-	-	-	-	-	-	56	2,613	2,743	3,107	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	63	(1,015)	(1,163)	(1,532)	0.380	0.015	0.384	0.015	24	(15)	(447)	(23)
10	19	11	146	1,671	1,654	1,649	-	-	-	-	19	-	-	-	-	-	-	-	60	2,753	2,901	3,281	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	66	(1,067)	(1,232)	(1,616)	0.384	0.015	0.384	0.015	25	(16)	(473)	(24)
10	19	12	151	1,740	1,725	1,721	-	-	-	-	19	-	-	-	-	-	-	-	61	2,749	2,903	3,287	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	71	(994)	(1,163)	(1,549)	0.383	0.015	0.384	0.015	27	(15)	(447)	(23)
10	19	13	156	1,796	1,784	1,784	-	-	-	-	19	-	-	-	-	-	-	-	58	2,612	2,757	3,135	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	79	(798)	(958)	(1,334)	0.381	0.015	0.384	0.015	30	(12)	(368)	(20)
10	19	14	156	1,799	1,790	1,793	-	-	-	-	20	-	-	-	-	-	-	-	57	2,606	2,747	3,121	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	78	(800)	(948)	(1,316)	0.376	0.015	0.384	0.014	29	(12)	(364)	(18)
10	19	15	159	1,840	1,835	1,841	-	-	-	-	21	-	-	-	-	-	-	-	52	2,410	2,533	2,891	-	-	-	-	-	(10)	(1)	2	-	-	-	-	86	(561)	(698)	(1,052)	0.372	0.014	0.383	0.014	32	(8)	(268)	(15)
10	19	16	164	1,909	1,913	1,927	-	-	-	-	25	-	-	-	-	-	-	-	39	1,877	1,962	2,285	-	-	-	-	-	(1)	(1)	5	-	-	-	-	100	33	(48)	(363)	0.366	0.396	0.373	0.385	37	13	(18)	(140)
10	19	17	170	1,978	1,990	2,012	-	-	-	-	29	-	-	-	-	-	-	-	17	972	996	1,264	-	-	-	-	-	(5)	(0)	-	-	-	-	-	123	1,011	994	748	0.380	0.402	0.397	0.392	47	407	395	293
10	19	18	171	2,002	2,020	2,046	-	-	-	-	37	-	-	-	-	-	-	-	0	74	74	321	-	-	-	-	-	(1)	2	9	-	-	-	-	134	1,928	1,944	1,716	0.388	0.398	0.394	0.379	52	767	765	650
10	19	19	174	2,046	2,072	2,106	-	-	-	-	37	-	-	-	-	-	-	-	-	58	58	305	-	-	-	-	-	(0)	3	15	-	-	-	-	137	1,988	2,011	1,787	0.391	0.401	0.397	0.384	54	797	798	686
10	19	20	174	2,049	2,078	2,115	-	-	-	-	35	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	8	4	10	-	-	-	-	139	1,997	2,031	1,814	0.390	0.400	0.396	0.383	54	799	805	695
10	19	21	168	1,982	2,013	2,050	-	-	-	-	35	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	10	3	11	-	-	-	-	134	1,929	1,966	1,748	0.385	0.396	0.392	0.378	52	764	771	660
10	19	22	158	1,862	1,894	1,931	-	-	-	-	40	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	12	5	13	-	-	-	-	118	1,806	1,846	1,627	0.376	0.389	0.386	0.367	44	704	712	597
10	19	23	143	1,687	1,716	1,750	-	-	-	-	35	-	-	-	-	-	-	-	-	44	44	291	-	-	-	-	-	0	12	1	-	-	-	-	108	1,642	1,660	1,458	0.365	0.384	0.380	0.364	40	631	630	531
10	19	24	145	1,713	1,739	1,770	-	-	-	-	26	-	-	-	-	-	-	-	-	40	40	287	-	-	-	-	-	4	7	(2)	-	-	-	-	120	1,668	1,691	1,485	0.365	0.371	0.375	0.364	44	618	634	541
10	20	1	117	1,370	1,381	1,397	-	-	-	-	25	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	6	9	(0)	-	-	-	-	92	1,323	1,331	1,109	0.371	0.383	0.378	0.364	34	506	504	404
10	20	2	110	1,281	1,284	1,293	-	-	-	-	21	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	3	2	(2)	-	-	-	-	90	1,222	1,227	992	0.371	0.381	0.378	0.364	33	466	463	361
10	20	3	105	1,221	1,217	1,220	-	-	-	-	20	-	-	-	-	-	-	-	-	68	68	315	-	-	-	-	-	12	5	(3)	-	-	-	-	86	1,141	1,145	908	0.369	0.377	0.375	0.364	32	430	429	330
10	20	4	103	1,190	1,179	1,175	-	-	-	-	28	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	1	2	(3)	-	-	-	-	76	1,120	1,108	863	0.367	0.380	0.376	0.364	28	426	416	314
10	20	5	105	1,202	1,184	1,174	-	-	-	-	34	-	-	-	-	-	-	-	-	75	75	322	-	-	-	-	-	4	1	(1)	-	-	-	-	71	1,124	1,109	854	0.365	0.384	0.377	0.364	26	432	418	311
10	20	6	112	1,278	1,254	1,239	-	-	-	-	37	-	-	-	-	-	-	-	0	78	78	325	-	-	-	-	-	12	4	(1)	-	-	-	-	75	1,188	1,171	914	0.376	0.388	0.381	0.364	28	460	446	333
10	20	7	125	1,426	1,401	1,387	-	-	-	-	35	-	-	-	-	-	-	-	13	892	895	1,144	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	76	534	511	244	0.374	0.385	0.383	0.373	28	206	196	91
10	20	8	133	1,519	1,497	1,487	-	-	-	-	27	-	-	-	-	-	-	-	32	1,786	1,834	2,123	-	-	-	-	-	(4)	(2)	0	-	-	-	-	73	(263)	(335)	(637)	0.366	0.390	0.380	0.390	27	(103)	(127)	(248)
10	20	9	139	1,592	1,574	1,570	-	-	-	-	21	-	-	-	-	-	-	-	45	2,300	2,391	2,719	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	72	(702)	(810)	(1,146)	0.371	0.015	0.384	0.014	27	(10)	(311)	(16)
10	20	10	148	1,701	1,685	1,683	-	-	-	-	19	-	-	-	-	-	-	-	52	2,501	2,624	2,981	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	77	(786)	(924)	(1,283)	0.380	0.015	0.384	0.015	29	(12)	(355)	(19)
10	20	11	158	1,813	1,799	1,797	-	-	-	-	19	-	-	-	-	-	-	-	56	2,628	2,766	3,137	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	82	(801)	(952)	(1,324)	0.384	0.015	0.384	0.015	31	(12)	(366)	(20)
10	20	12	167	1,923	1,911	1,912	-	-	-	-	19	-	-	-	-	-	-	-	61	2,792	2,952	3,342	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	86	(854)	(1,026)	(1,414)	0.383	0.015	0.384	0.015	33	(13)	(394)	(21)
10	20	13	175	2,023	2,017	2,023	-	-	-	-	19	-	-	-	-	-	-	-	61	2,794	2,953	3,342	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	95	(753)	(920)	(1,303)	0.381	0.015	0.384	0.015	36	(11)	(353)	(19)
10	20	14	184	2,134	2,134	2,145	-	-	-	-	20	-	-	-	-	-	-	-	59	2,679	2,835	3,223	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	105	(537)	(693)	(1,066)	0.376	0.015	0.384	0.014	39	(8)	(266)	(15)
10	20	15	193	2,242	2,246	2,262	-	-	-	-	21	-	-	-	-	-	-	-	52	2,378	2,513	2,881	-	-	-	-	-	(10)	(1)	2	-	-	-	-	120	(127)	(266)	(621)	0.372	0.014	0.383	0.014	45	(2)	(102)	(9)
10	20	16	201	2,342	2,357	2,382	-	-	-	-	25	-	-	-	-	-	-	-	37	1,761	1,852	2,180	-	-	-	-	-	(1)	(1)	5	-	-	-	-	139	582	505	197	0.366	0.396	0.373	0.385	51	230	189	76
10	20	17	204	2,387	2,409	2,441	-	-	-	-	29	-	-	-	-	-	-	-	15	879	899	1,164	-	-	-	-	-	(5)	(0)	-	-	-	-	-	160	1,513	1,510	1,277	0.380	0.402	0.397	0.392	61	609	600	500
10	20	18	199	2,334	2,359	2,394	-	-	-	-	37	-	-	-	-	-	-	-	0	79	79	326	-	-	-	-	-	(1)	2	9	-	-	-	-	162	2,255	2,278	2,059	0.388	0.398	0.394	0.379	63	897	897	780
10	20	19	196	2,300	2,333	2,373	-	-	-	-	37	-	-	-	-	-	-	-	-	83	83	330	-	-	-	-	-	(0)	3	15	-	-	-	-	158	2,218	2,247	2,029	0.391	0.401	0.397	0.384	62	889	892	779
10	20	20	191	2,247	2,281	2,323	-	-	-	-	35	-	-	-	-	-	-	-	-	82	82	329	-	-	-	-	-	8	4	10	-	-	-	-	156	2,157	2,196	1,984	0.390	0.400	0.396	0.383	61	863	870	760
10	20	21	181	2,127	2,161	2,201	-	-	-	-	35	-	-	-	-	-	-	-	-	77	77	324	-	-	-	-	-	10	3	11	-	-	-	-	146	2,040	2,080	1,866	0.385	0.396	0.392	0.378	56	808	816	705
10	20	22	167	1,968	2,002	2,042	-	-	-	-	40	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	12	5	13	-	-	-	-	127	1,907	1,948	1,732	0.376	0.389	0.386	0.367	48	742	752	636
10	20	23	150	1,766	1,797	1,833	-	-	-	-	35	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	0	12	1	-	-	-	-	115	1,730	1,749	1,550	0.365	0.384	0.380	0.364	42	665	664	565
10	20	24	161	1,892	1,922	1,958	-	-	-	-	26	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	4	7	(2)	-	-	-	-	135	1,851	1,878	1,676	0.365	0.371	0.375	0.364	49	686	704	610
10	21	1	121	1,421	1,434	1,451	-	-	-	-	25	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	6	9	(0)	-	-	-	-	96	1,373	1,383	1,162	0.371	0.383	0.378	0.364	36	525	523	423
10	21	2	114	1,323	1,327	1,337	-	-	-	-	21	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	3	2	(2)	-	-	-	-	93	1,288	1,294	1,060	0.371	0.381	0.378	0.364	34	491	489	386
10	21	3	109	1,257	1,254	1,257	-	-	-	-	20	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	12	5	(3)	-	-	-	-	89	1,215	1,220	984	0.369	0.377	0.375	0.364	33	458	457	358
10	21	4	106	1,221	1,211	1,208	-	-	-	-	28	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	1	2	(3)	-	-	-	-	78	1,186	1,175	931	0.367	0.380	0.376	0.364	29	451	442	339
10	21	5	107	1,228	1,211	1,202	-	-	-	-	34	-	-	-	-	-	-	-	-	38	38	285	-	-	-	-	-	4	1	(1)	-	-	-	-	73	1,187	1,173	918	0.365	0.384	0.377	0.364	27	456	442	334
10	21	6	113	1,294	1,271	1,256	-	-	-	-	37	-	-	-	-	-	-	-	0	39	39	286	-	-	-	-	-	12	4	(1)	-	-	-	-	76	1,244	1,228	971	0.376	0.388	0.381	0.364	29	482	468	354
10	21	7	126	1,436	1,412	1,398	-	-	-	-	35	-	-	-	-	-	-	-	11	704	706	956	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	79	733	710	444	0.374	0.385	0.383	0.373	30	282	272	165
10	21	8	133	1,527	1,505	1,495	-	-	-	-	27	-	-	-	-	-	-	-	30	1,558	1,612	1,907	-	-	-	-	-	(4)	(2)	0	-	-	-	-	76	(28)	(105)	(412)	0.366	0.390	0.380	0.390	28	(11)	(40)	(161)
10	21	9	139	1,595	1,577	1,573	-	-	-	-	21	-	-	-	-	-	-	-	48	2,308	2,417	2,762	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	70	(707)	(833)	(1,186)	0.371	0.015	0.384	0.014	26	(11)	(320)	(17)
10	21	10	149	1,716	1,701	1,699	-	-	-	-	19	-	-	-	-	-	-	-	59	2,737	2,886	3,266	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	71	(1,007)	(1,170)	(1,551)	0.380	0.015	0.384	0.015	27	(15)	(449)	(23)
10	21	11	160	1,839	1,826	1,825	-	-	-	-	19	-	-	-	-	-	-	-	64	2,846	3,018	3,419	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	77	(993)	(1,177)	(1,578)	0.384	0.015	0.384	0.015	29	(15)	(452)	(23)
10	21	12	169	1,949	1,938	1,939	-	-	-	-	19	-	-	-	-	-	-	-	66	2,944	3,125	3,535	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	84	(980)	(1,172)	(1,579)	0.383	0.015	0.384	0.015	32	(15)	(450)	(24)
10	21	13	177	2,047	2,042	2,048	-	-	-	-	19	-	-	-	-	-	-	-	65	2,870	3,049	3,457	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	93	(805)	(993)	(1,393)	0.381	0.015	0.384	0.015	35	(12)	(381)	(21)
10	21	14	186	2,160	2,160	2,172	-	-	-	-	20	-	-	-	-	-	-	-	64	2,874	3,044	3,444	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	102	(707)	(875)	(1,260)	0.376	0.015	0.384	0.014	39	(10)	(336)	(18)
10	21	15	194	2,256	2,261	2,277	-	-	-	-	21	-	-	-	-	-	-	-	57	2,610	2,754	3,131	-	-	-	-	-	(10)	(1)	2	-	-	-	-	116	(344)	(493)	(856)	0.372	0.014	0.383	0.014	43	(5)	(189)	(12)
10	21	16	199	2,321	2,335	2,359	-	-	-	-	25	-	-	-	-	-	-	-	39	1,896	1,991	2,324	-	-	-	-	-	(1)	(1)	5	-	-	-	-	134	426	344	30	0.366	0.396	0.373	0.385	49	168	128	12
10	21	17	199	2,330	2,350	2,381	-	-	-	-	29	-	-	-	-	-	-	-	15	889	910	1,175	-	-	-	-	-	(5)	(0)	-	-	-	-	-	155	1,446	1,441	1,206	0.380	0.402	0.397	0.392	59	582	572	472
10	21	18	192	2,250	2,274	2,307	-	-	-	-	37	-	-	-	-	-	-	-	0	73	73	320	-	-	-	-	-	(1)	2	9	-	-	-	-	155	2,178	2,199	1,978	0.388	0.398	0.394	0.379	60	866	865	749
10	21	19	186	2,185	2,214	2,252	-	-	-	-	37	-	-	-	-	-	-	-	-	70	70	317	-	-	-	-	-	(0)	3	15	-	-	-	-	149	2,115	2,141	1,920	0.391	0.401	0.397	0.384	58	848	850	737
10	21	20	180	2,112	2,143	2,181	-	-	-	-	35	-	-	-	-	-	-	-	-	69	69	316	-	-	-	-	-	8	4	10	-	-	-	-	145	2,036	2,071	1,856	0.390	0.400	0.396	0.383	56	815	820	710
10	21	21	170	1,998	2,029	2,066	-	-	-	-	35	-	-	-	-	-	-	-	-	63	63	310	-	-	-	-	-	10	3	11	-	-	-	-	135	1,925	1,962	1,745	0.385	0.396	0.392	0.378	52	763	770	659
10	21	22	158	1,867	1,898	1,935	-	-	-	-	40	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	12	5	13	-	-	-	-	119	1,805	1,844	1,625	0.376	0.389	0.386	0.367	45	703	712	597
10	21	23	145	1,706	1,736	1,770	-	-	-	-	35	-	-	-	-	-	-	-	-	34	34	281	-	-	-	-	-	0	12	1	-	-	-	-	110	1,672	1,689	1,488	0.365	0.384	0.380	0.364	40	643	641	542
10	21	24	161	1,901	1,932	1,968	-	-	-	-	26	-	-	-	-	-	-	-	-	27	27	274	-	-	-	-	-	4	7	(2)	-	-	-	-	136	1,871	1,898	1,697	0.365	0.371	0.375	0.364	50	693	712	618
10	22	1	118	1,377	1,388	1,404	-	-	-	-	25	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	6	9	(0)	-	-	-	-	93	1,348	1,356	1,134	0.371	0.383	0.378	0.364	34	516	513	413
10	22	2	110	1,275	1,278	1,287	-	-	-	-	21	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	3	2	(2)	-	-	-	-	89	1,246	1,251	1,016	0.371	0.381	0.378	0.364	33	475	472	370
10	22	3	104	1,207	1,203	1,205	-	-	-	-	20	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	12	5	(3)	-	-	-	-	85	1,169	1,173	935	0.369	0.377	0.375	0.364	31	441	439	340
10	22	4	101	1,164	1,153	1,149	-	-	-	-	28	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	1	2	(3)	-	-	-	-	73	1,141	1,129	883	0.367	0.380	0.376	0.364	27	434	424	321
10	22	5	101	1,152	1,133	1,122	-	-	-	-	34	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	4	1	(1)	-	-	-	-	67	1,128	1,112	855	0.365	0.384	0.377	0.364	24	433	419	311
10	22	6	103	1,166	1,139	1,121	-	-	-	-	37	-	-	-	-	-	-	-	0	25	25	272	-	-	-	-	-	12	4	(1)	-	-	-	-	65	1,129	1,110	850	0.376	0.388	0.381	0.364	25	437	423	310

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	22	7	107	1,210	1,180	1,161	-	-	-	-	35	-	-	-	-	-	-	-	13	813	815	1,065	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	58	398	369	97	0.374	0.385	0.383	0.373	22	153	141	36
10	22	8	111	1,256	1,228	1,211	-	-	-	-	27	-	-	-	-	-	-	-	35	1,785	1,842	2,139	-	-	-	-	-	(4)	(2)	0	-	-	-	-	49	(525)	(612)	(928)	0.366	0.390	0.380	0.390	18	(205)	(232)	(362)
10	22	9	117	1,335	1,311	1,300	-	-	-	-	21	-	-	-	-	-	-	-	50	2,375	2,484	2,829	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	46	(1,034)	(1,165)	(1,525)	0.371	0.015	0.384	0.014	17	(15)	(447)	(21)
10	22	10	125	1,428	1,405	1,396	-	-	-	-	19	-	-	-	-	-	-	-	59	2,688	2,833	3,211	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	47	(1,245)	(1,413)	(1,799)	0.380	0.015	0.384	0.015	18	(19)	(542)	(27)
10	22	11	132	1,506	1,485	1,476	-	-	-	-	19	-	-	-	-	-	-	-	63	2,829	2,996	3,393	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	49	(1,308)	(1,496)	(1,901)	0.384	0.015	0.384	0.015	19	(19)	(574)	(28)
10	22	12	137	1,572	1,552	1,544	-	-	-	-	19	-	-	-	-	-	-	-	65	2,900	3,076	3,480	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	53	(1,314)	(1,509)	(1,919)	0.383	0.015	0.384	0.015	20	(20)	(579)	(29)
10	22	13	142	1,634	1,619	1,615	-	-	-	-	19	-	-	-	-	-	-	-	65	2,867	3,041	3,443	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	58	(1,215)	(1,407)	(1,812)	0.381	0.015	0.384	0.015	22	(18)	(540)	(27)
10	22	14	147	1,691	1,680	1,680	-	-	-	-	20	-	-	-	-	-	-	-	62	2,793	2,958	3,353	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	64	(1,095)	(1,269)	(1,661)	0.376	0.015	0.384	0.014	24	(16)	(487)	(23)
10	22	15	151	1,749	1,742	1,745	-	-	-	-	21	-	-	-	-	-	-	-	56	2,537	2,678	3,051	-	-	-	-	-	(10)	(1)	2	-	-	-	-	75	(779)	(935)	(1,308)	0.372	0.014	0.383	0.014	28	(11)	(359)	(19)
10	22	16	155	1,795	1,797	1,808	-	-	-	-	25	-	-	-	-	-	-	-	40	1,870	1,965	2,297	-	-	-	-	-	(1)	(1)	5	-	-	-	-	90	(74)	(167)	(494)	0.366	0.396	0.373	0.385	33	(29)	(62)	(190)
10	22	17	156	1,812	1,820	1,837	-	-	-	-	29	-	-	-	-	-	-	-	15	801	824	1,092	-	-	-	-	-	(5)	(0)	-	-	-	-	-	112	1,016	996	746	0.380	0.402	0.397	0.392	42	409	396	292
10	22	18	154	1,796	1,809	1,831	-	-	-	-	37	-	-	-	-	-	-	-	0	49	49	296	-	-	-	-	-	(1)	2	9	-	-	-	-	117	1,748	1,759	1,526	0.388	0.398	0.394	0.379	45	695	692	578
10	22	19	157	1,843	1,864	1,893	-	-	-	-	37	-	-	-	-	-	-	-	-	52	52	299	-	-	-	-	-	(0)	3	15	-	-	-	-	120	1,791	1,809	1,579	0.391	0.401	0.397	0.384	47	718	718	606
10	22	20	155	1,826	1,850	1,880	-	-	-	-	35	-	-	-	-	-	-	-	-	42	42	289	-	-	-	-	-	8	4	10	-	-	-	-	120	1,775	1,804	1,581	0.390	0.400	0.396	0.383	47	710	715	605
10	22	21	150	1,759	1,784	1,815	-	-	-	-	35	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	10	3	11	-	-	-	-	115	1,718	1,750	1,527	0.385	0.396	0.392	0.378	44	681	687	577
10	22	22	142	1,671	1,698	1,730	-	-	-	-	40	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	12	5	13	-	-	-	-	102	1,633	1,668	1,444	0.376	0.389	0.386	0.367	38	636	644	530
10	22	23	132	1,552	1,578	1,608	-	-	-	-	35	-	-	-	-	-	-	-	-	24	24	271	-	-	-	-	-	0	12	1	-	-	-	-	97	1,527	1,542	1,336	0.365	0.384	0.380	0.364	35	587	585	487
10	22	24	135	1,588	1,612	1,639	-	-	-	-	26	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	4	7	(2)	-	-	-	-	109	1,562	1,582	1,373	0.365	0.371	0.375	0.364	40	579	593	500
10	23	1	112	1,303	1,313	1,327	-	-	-	-	25	-	-	-	-	-	-	-	-	20	20	267	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,277	1,284	1,060	0.371	0.383	0.378	0.364	32	489	486	386
10	23	2	104	1,214	1,216	1,223	-	-	-	-	21	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,193	1,196	960	0.371	0.381	0.378	0.364	31	455	452	349
10	23	3	100	1,157	1,151	1,152	-	-	-	-	20	-	-	-	-	-	-	-	-	22	22	269	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,122	1,124	886	0.369	0.377	0.375	0.364	30	423	421	322
10	23	4	97	1,115	1,103	1,098	-	-	-	-	28	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,082	1,069	821	0.367	0.380	0.376	0.364	25	411	402	299
10	23	5	96	1,096	1,076	1,063	-	-	-	-	34	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	4	1	(1)	-	-	-	-	62	1,051	1,035	777	0.365	0.384	0.377	0.364	23	404	390	283
10	23	6	97	1,096	1,068	1,049	-	-	-	-	37	-	-	-	-	-	-	-	0	39	39	286	-	-	-	-	-	12	4	(1)	-	-	-	-	60	1,046	1,025	763	0.376	0.388	0.381	0.364	22	405	391	278
10	23	7	100	1,127	1,096	1,075	-	-	-	-	35	-	-	-	-	-	-	-	13	810	813	1,063	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	52	317	287	13	0.374	0.385	0.383	0.373	19	122	110	5
10	23	8	103	1,164	1,134	1,115	-	-	-	-	27	-	-	-	-	-	-	-	34	1,757	1,812	2,109	-	-	-	-	-	(4)	(2)	0	-	-	-	-	42	(589)	(677)	(994)	0.366	0.390	0.380	0.390	15	(229)	(257)	(388)
10	23	9	108	1,227	1,201	1,188	-	-	-	-	21	-	-	-	-	-	-	-	49	2,324	2,432	2,776	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	38	(1,090)	(1,223)	(1,585)	0.371	0.015	0.384	0.014	14	(16)	(470)	(22)
10	23	10	114	1,299	1,273	1,261	-	-	-	-	19	-	-	-	-	-	-	-	58	2,661	2,807	3,184	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	37	(1,348)	(1,518)	(1,908)	0.380	0.015	0.384	0.015	14	(20)	(583)	(28)
10	23	11	120	1,368	1,343	1,330	-	-	-	-	19	-	-	-	-	-	-	-	62	2,785	2,951	3,346	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	38	(1,403)	(1,592)	(1,999)	0.384	0.015	0.384	0.015	15	(21)	(611)	(30)
10	23	12	123	1,408	1,385	1,372	-	-	-	-	19	-	-	-	-	-	-	-	64	2,824	2,998	3,400	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	40	(1,401)	(1,598)	(2,011)	0.383	0.015	0.384	0.015	15	(21)	(614)	(30)
10	23	13	124	1,423	1,403	1,393	-	-	-	-	19	-	-	-	-	-	-	-	63	2,801	2,972	3,372	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	42	(1,360)	(1,554)	(1,963)	0.381	0.015	0.384	0.015	16	(20)	(597)	(29)
10	23	14	126	1,448	1,431	1,425	-	-	-	-	20	-	-	-	-	-	-	-	60	2,673	2,834	3,225	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	46	(1,219)	(1,394)	(1,788)	0.376	0.015	0.384	0.014	17	(18)	(535)	(25)
10	23	15	127	1,466	1,452	1,448	-	-	-	-	21	-	-	-	-	-	-	-	53	2,393	2,530	2,899	-	-	-	-	-	(10)	(1)	2	-	-	-	-	54	(918)	(1,077)	(1,453)	0.372	0.014	0.383	0.014	20	(13)	(413)	(21)
10	23	16	129	1,486	1,480	1,484	-	-	-	-	25	-	-	-	-	-	-	-	35	1,603	1,694	2,024	-	-	-	-	-	(1)	(1)	5	-	-	-	-	68	(115)	(213)	(545)	0.366	0.396	0.373	0.385	25	(46)	(80)	(210)
10	23	17	130	1,509	1,511	1,520	-	-	-	-	29	-	-	-	-	-	-	-	11	617	638	903	-	-	-	-	-	(5)	(0)	-	-	-	-	-	89	897	873	618	0.380	0.402	0.397	0.392	34	361	347	242
10	23	18	134	1,565	1,572	1,588	-	-	-	-	37	-	-	-	-	-	-	-	0	44	44	291	-	-	-	-	-	(1)	2	9	-	-	-	-	97	1,522	1,527	1,288	0.388	0.398	0.394	0.379	38	605	601	488
10	23	19	145	1,702	1,720	1,746	-	-	-	-	37	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	(0)	3	15	-	-	-	-	108	1,667	1,682	1,449	0.391	0.401	0.397	0.384	42	668	668	556
10	23	20	148	1,741	1,763	1,792	-	-	-	-	35	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	8	4	10	-	-	-	-	113	1,703	1,730	1,505	0.390	0.400	0.396	0.383	44	682	685	576
10	23	21	145	1,706	1,731	1,760	-	-	-	-	35	-	-	-	-	-	-	-	-	23	23	270	-	-	-	-	-	10	3	11	-	-	-	-	111	1,674	1,704	1,480	0.385	0.396	0.392	0.378	43	663	669	559
10	23	22	138	1,622	1,648	1,679	-	-	-	-	40	-	-	-	-	-	-	-	-	14	14	261	-	-	-	-	-	12	5	13	-	-	-	-	98	1,596	1,629	1,404	0.376	0.389	0.386	0.367	37	621	629	516
10	23	23	127	1,498	1,523	1,552	-	-	-	-	35	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	0	12	1	-	-	-	-	92	1,490	1,502	1,296	0.365	0.384	0.380	0.364	34	573	570	472
10	23	24	122	1,433	1,453	1,477	-	-	-	-	26	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	4	7	(2)	-	-	-	-	96	1,426	1,442	1,229	0.365	0.371	0.375	0.364	35	529	541	448
10	24	1	107	1,252	1,260	1,273	-	-	-	-	25	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	6	9	(0)	-	-	-	-	82	1,245	1,250	1,025	0.371	0.383	0.378	0.364	30	476	473	373
10	24	2	102	1,183	1,184	1,190	-	-	-	-	21	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	3	2	(2)	-	-	-	-	81	1,180	1,182	945	0.371	0.381	0.378	0.364	30	450	446	344
10	24	3	99	1,140	1,134	1,135	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	(3)	-	-	-	-	79	1,128	1,130	891	0.369	0.377	0.375	0.364	29	425	423	324
10	24	4	97	1,120	1,108	1,103	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,120	1,106	859	0.367	0.380	0.376	0.364	26	426	416	313
10	24	5	100	1,142	1,123	1,112	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,139	1,123	866	0.365	0.384	0.377	0.364	24	437	423	315
10	24	6	107	1,223	1,198	1,182	-	-	-	-	37	-	-	-	-	-	-	-	0	1	1	248	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,211	1,193	935	0.376	0.388	0.381	0.364	26	469	455	341
10	24	7	121	1,379	1,354	1,339	-	-	-	-	35	-	-	-	-	-	-	-	12	739	741	991	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	73	641	617	349	0.374	0.385	0.383	0.373	27	247	236	130
10	24	8	132	1,513	1,491	1,481	-	-	-	-	27	-	-	-	-	-	-	-	33	1,680	1,735	2,030	-	-	-	-	-	(4)	(2)	0	-	-	-	-	72	(163)	(242)	(550)	0.366	0.390	0.380	0.390	26	(64)	(92)	(214)
10	24	9	137	1,569	1,551	1,546	-	-	-	-	21	-	-	-	-	-	-	-	47	2,206	2,312	2,653	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	69	(631)	(753)	(1,104)	0.371	0.015	0.384	0.014	25	(9)	(289)	(16)
10	24	10	142	1,624	1,606	1,602	-	-	-	-	19	-	-	-	-	-	-	-	55	2,485	2,624	2,996	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	67	(847)	(1,003)	(1,378)	0.380	0.015	0.384	0.015	26	(13)	(385)	(21)
10	24	11	147	1,683	1,666	1,662	-	-	-	-	19	-	-	-	-	-	-	-	60	2,647	2,807	3,197	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	67	(950)	(1,125)	(1,519)	0.384	0.015	0.384	0.015	26	(14)	(432)	(23)
10	24	12	150	1,719	1,703	1,698	-	-	-	-	19	-	-	-	-	-	-	-	63	2,733	2,901	3,298	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	68	(1,000)	(1,183)	(1,583)	0.383	0.015	0.384	0.015	26	(15)	(454)	(24)
10	24	13	151	1,744	1,732	1,731	-	-	-	-	19	-	-	-	-	-	-	-	62	2,692	2,861	3,259	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	70	(930)	(1,114)	(1,513)	0.381	0.015	0.384	0.015	27	(14)	(428)	(23)
10	24	14	152	1,756	1,747	1,749	-	-	-	-	20	-	-	-	-	-	-	-	60	2,610	2,769	3,159	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	72	(847)	(1,014)	(1,399)	0.376	0.015	0.384	0.014	27	(13)	(389)	(20)
10	24	15	152	1,753	1,746	1,749	-	-	-	-	21	-	-	-	-	-	-	-	53	2,371	2,506	2,874	-	-	-	-	-	(10)	(1)	2	-	-	-	-	77	(609)	(759)	(1,126)	0.372	0.014	0.383	0.014	29	(9)	(291)	(16)
10	24	16	151	1,755	1,756	1,766	-	-	-	-	25	-	-	-	-	-	-	-	38	1,749	1,840	2,167	-	-	-	-	-	(1)	(1)	5	-	-	-	-	88	7	(83)	(407)	0.366	0.396	0.373	0.385	32	3	(31)	(157)
10	24	17	150	1,741	1,748	1,764	-	-	-	-	29	-	-	-	-	-	-	-	13	669	690	956	-	-	-	-	-	(5)	(0)	-	-	-	-	-	107	1,078	1,058	808	0.380	0.402	0.397	0.392	41	434	420	316
10	24	18	150	1,755	1,767	1,787	-	-	-	-	37	-	-	-	-	-	-	-	0	2	2	249	-	-	-	-	-	(1)	2	9	-	-	-	-	113	1,754	1,763	1,529	0.388	0.398	0.394	0.379	44	697	694	579
10	24	19	160	1,871	1,893	1,922	-	-	-	-	37	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	(0)	3	15	-	-	-	-	122	1,869	1,887	1,659	0.391	0.401	0.397	0.384	48	749	749	637
10	24	20	161	1,889	1,915	1,947	-	-	-	-	35	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	8	4	10	-	-	-	-	126	1,880	1,910	1,689	0.390	0.400	0.396	0.383	49	752	757	647
10	24	21	155	1,821	1,848	1,881	-	-	-	-	35	-	-	-	-	-	-	-	-	2	2	249	-	-	-	-	-	10	3	11	-	-	-	-	120	1,810	1,843	1,621	0.385	0.396	0.392	0.378	46	717	723	612
10	24	22	145	1,708	1,736	1,769	-	-	-	-	40	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	12	5	13	-	-	-	-	105	1,692	1,728	1,505	0.376	0.389	0.386	0.367	40	659	667	552
10	24	23	130	1,537	1,563	1,593	-	-	-	-	35	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	0	12	1	-	-	-	-	96	1,527	1,541	1,336	0.365	0.384	0.380	0.364	35	587	585	487
10	24	24	139	1,633	1,657	1,686	-	-	-	-	26	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	4	7	(2)	-	-	-	-	113	1,614	1,635	1,426	0.365	0.371	0.375	0.364	41	598	613	520
10	25	1	108	1,267	1,276	1,289	-	-	-	-	25	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	6	9	(0)	-	-	-	-	83	1,245	1,251	1,027	0.371	0.383	0.378	0.364	31	476	473	374
10	25	2	103	1,194	1,195	1,202	-	-	-	-	21	-	-	-	-	-	-	-	-	12	12	259	-	-	-	-	-	3	2	(2)	-	-	-	-	82	1,178	1,181	944	0.371	0.381	0.378	0.364	30	449	446	344
10	25	3	99	1,147	1,142	1,142	-	-	-	-	20	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,125	1,127	888	0.369	0.377	0.375	0.364	29	424	422	323
10	25	4	98	1,121	1,109	1,104	-	-	-	-	28	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,110	1,096	849	0.367	0.380	0.376	0.364	26	422	412	309
10	25	5	99	1,135	1,116	1,104	-	-	-	-	34	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,121	1,105	848	0.365	0.384	0.377	0.364	24	430	416	309
10	25	6	106	1,212	1,187	1,170	-	-	-	-	37	-	-	-	-	-	-	-	0	12	12	259	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,189	1,171	913	0.376	0.388	0.381	0.364	26	461	446	332
10	25	7	119	1,359	1,333	1,318	-	-	-	-	35	-	-	-	-	-	-	-	12	722	724	973	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	72	638	613	346	0.374	0.385	0.383	0.373	27	245	235	129
10	25	8	127	1,454	1,431	1,420	-	-	-	-	27	-	-	-	-	-	-	-	31	1,626	1,676	1,968	-	-	-	-	-	(4)	(2)	0	-	-	-	-	69	(168)	(243)	(549)	0.366	0.390	0.380	0.390	25	(65)	(92)	(214)
10	25	9	130	1,490	1,470	1,464	-	-	-	-	21	-	-	-	-	-	-	-	45	2,148	2,248	2,584	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	64	(652)	(770)	(1,117)	0.371	0.015	0.384	0.014	24	(10)	(296)	(16)
10	25	10	136	1,560	1,541	1,535	-	-	-	-	19	-	-	-	-	-	-	-	55	2,517	2,652	3,020	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	62	(942)	(1,096)	(1,469)	0.380	0.015	0.384	0.015	24	(14)	(421)	(22)
10	25	11	141	1,623	1,604	1,598	-	-	-	-	19	-	-	-	-	-	-	-	61	2,689	2,847	3,236	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	61	(1,052)	(1,228)	(1,622)	0.384	0.015	0.384	0.015	24	(16)	(472)	(24)
10	25	12	145	1,667	1,650	1,644	-	-	-	-	19	-	-	-	-	-	-	-	63	2,750	2,918	3,315	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	63	(1,068)	(1,252)	(1,653)	0.383	0.015	0.384	0.015	24	(16)	(481)	(25)
10	25	13	147	1,694	1,680	1,678	-	-	-	-	19	-	-	-	-	-	-	-	62	2,738	2,905	3,301	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	66	(1,026)	(1,209)	(1,607)	0.381	0.015	0.384	0.015	25	(15)	(464)	(24)
10	25	14	150	1,725	1,715	1,716	-	-	-	-	20	-	-	-	-	-	-	-	59	2,609	2,762	3,147	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	70	(877)	(1,039)	(1,420)	0.376	0.015	0.384	0.014	26	(13)	(399)	(20)
10	25	15	151	1,749	1,742	1,745	-	-	-	-	21	-	-	-	-	-	-	-	52	2,347	2,475	2,837	-	-	-	-	-	(10)	(1)	2	-	-	-	-	78	(589)	(733)	(1,094)	0.372	0.014	0.383	0.014	29	(8)	(281)	(16)
10	25	16	152	1,769	1,770	1,781	-	-	-	-	25	-	-	-	-	-	-	-	38	1,792	1,875	2,196	-	-	-	-	-	(1)	(1)	5	-	-	-	-	89	(21)	(104)	(421)	0.366	0.396	0.373	0.385	33	(8)	(39)	(162)
10	25	17	152	1,769	1,776	1,792	-	-	-	-	29	-	-	-	-	-	-	-	13	682	700	963	-	-	-	-	-	(5)	(0)	-	-	-	-	-	110	1,092	1,076	829	0.380	0.402	0.397	0.392	42	439	427	325
10	25	18	152	1,769	1,781	1,802	-	-	-	-	37	-	-	-	-	-	-	-	0	12	12	259	-	-	-	-	-	(1)	2	9	-	-	-	-	115	1,758	1,768	1,535	0.388	0.398	0.394	0.379	44	699	696	581
10	25	19	159	1,869	1,891	1,921	-	-	-	-	37	-	-	-	-	-	-	-	-	17	17	264	-	-	-	-	-	(0)	3	15	-	-	-	-	122	1,853	1,871	1,643	0.391	0.401	0.397	0.384	48	743	743	631
10	25	20	161	1,886	1,911	1,943	-	-	-	-	35	-	-	-	-	-	-	-	-	16	16	263	-	-	-	-	-	8	4	10	-	-	-	-	125	1,861	1,891	1,670	0.390	0.400	0.396	0.383	49	745	749	639
10	25	21	155	1,821	1,848	1,881	-	-	-	-	35	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	10	3	11	-	-	-	-	120	1,803	1,836	1,615	0.385	0.396	0.392	0.378	46	715	721	610
10	25	22	145	1,710	1,738	1,771	-	-	-	-	40	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	12	5	13	-	-	-	-	105	1,694	1,729	1,506	0.376	0.389	0.386	0.367	40	660	667	553
10	25	23	131	1,548	1,574	1,605	-	-	-	-	35	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	0	12	1	-	-	-	-	97	1,545	1,559	1,354	0.365	0.384	0.380	0.364	35	594	592	493
10	25	24	137	1,609	1,632	1,661	-	-	-	-	26	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	4	7	(2)	-	-	-	-	111	1,601	1,622	1,413	0.365	0.371	0.375	0.364	41	593	608	515
10	26	1	109	1,271	1,280	1,293	-	-	-	-	25	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	6	9	(0)	-	-	-	-	84	1,259	1,265	1,041	0.371	0.383	0.378	0.364	31	482	479	379
10	26	2	103	1,196	1,198	1,204	-	-	-	-	21	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	3	2	(2)	-	-	-	-	82	1,187	1,189	953	0.371	0.381	0.378	0.364	31	452	449	347
10	26	3	99	1,146	1,140	1,141	-	-	-	-	20	-	-	-	-	-	-	-	-	7	7	254	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,127	1,129	890	0.369	0.377	0.375	0.364	29	425	423	324
10	26	4	97	1,120	1,108	1,103	-	-	-	-	28	-	-	-	-	-	-	-	-	5	5	252	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,115	1,101	854	0.367	0.380	0.376	0.364	26	424	414	311
10	26	5	99	1,134	1,115	1,103	-	-	-	-	34	-	-	-	-	-	-	-	-	3	3	250	-	-	-	-	-	4	1	(1)	-	-	-	-	65	1,127	1,111	854	0.365	0.384	0.377	0.364	24	433	419	311
10	26	6	106	1,211	1,186	1,169	-	-	-	-	37	-	-	-	-	-	-	-	0	2	2	249	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,198	1,180	921	0.376	0.388	0.381	0.364	26	464	450	336
10	26	7	119	1,358	1,332	1,317	-	-	-	-	35	-	-	-	-	-	-	-	8	521	523	771	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	75	837	813	546	0.374	0.385	0.383	0.373	28	322	311	204
10	26	8	128	1,462	1,438	1,427	-	-	-	-	27	-	-	-	-	-	-	-	28	1,453	1,497	1,784	-	-	-	-	-	(4)	(2)	0	-	-	-	-	73	12	(57)	(357)	0.366	0.390	0.380	0.390	27	5	(22)	(139)
10	26	9	130	1,493	1,473	1,466	-	-	-	-	21	-	-	-	-	-	-	-	44	2,102	2,194	2,524	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	65	(603)	(714)	(1,055)	0.371	0.015	0.384	0.014	24	(9)	(274)	(15)
10	26	10	136	1,554	1,535	1,529	-	-	-	-	19	-	-	-	-	-	-	-	55	2,555	2,685	3,049	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	61	(986)	(1,135)	(1,503)	0.380	0.015	0.384	0.015	23	(15)	(436)	(22)
10	26	11	141	1,621	1,602	1,596	-	-	-	-	19	-	-	-	-	-	-	-	62	2,764	2,920	3,307	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	60	(1,129)	(1,303)	(1,694)	0.384	0.015	0.384	0.015	23	(17)	(500)	(25)
10	26	12	145	1,671	1,653	1,648	-	-	-	-	19	-	-	-	-	-	-	-	64	2,821	2,989	3,386	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	62	(1,136)	(1,320)	(1,721)	0.383	0.015	0.384	0.015	24	(17)	(507)	(26)
10	26	13	148	1,703	1,690	1,688	-	-	-	-	19	-	-	-	-	-	-	-	63	2,778	2,945	3,342	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	66	(1,056)	(1,240)	(1,638)	0.381	0.015	0.384	0.015	25	(16)	(476)	(24)
10	26	14	151	1,741	1,732	1,733	-	-	-	-	20	-	-	-	-	-	-	-	59	2,627	2,780	3,165	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	71	(879)	(1,040)	(1,420)	0.376	0.015	0.384	0.014	27	(13)	(399)	(20)
10	26	15	153	1,774	1,767	1,771	-	-	-	-	21	-	-	-	-	-	-	-	52	2,335	2,463	2,825	-	-	-	-	-	(10)	(1)	2	-	-	-	-	81	(551)	(695)	(1,056)	0.372	0.014	0.383	0.014	30	(8)	(266)	(15)
10	26	16	155	1,793	1,794	1,805	-	-	-	-	25	-	-	-	-	-	-	-	36	1,680	1,764	2,086	-	-	-	-	-	(1)	(1)	5	-	-	-	-	93	114	31	(286)	0.366	0.396	0.373	0.385	34	45	12	(110)
10	26	17	154	1,797	1,805	1,822	-	-	-	-	29	-	-	-	-	-	-	-	11	614	631	893	-	-	-	-	-	(5)	(0)	-	-	-	-	-	114	1,189	1,174	929	0.380	0.402	0.397	0.392	43	478	467	364

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	26	18	154	1,796	1,809	1,830	-	-	-	-	37	-	-	-	-	-	-	-	0	33	33	280	-	-	-	-	-	(1)	2	9	-	-	-	-	117	1,764	1,775	1,542	0.388	0.398	0.394	0.379	45	702	698	584
10	26	19	162	1,899	1,922	1,952	-	-	-	-	37	-	-	-	-	-	-	-	-	36	36	283	-	-	-	-	-	(0)	3	15	-	-	-	-	125	1,863	1,883	1,655	0.391	0.401	0.397	0.384	49	747	747	635
10	26	20	162	1,903	1,929	1,962	-	-	-	-	35	-	-	-	-	-	-	-	-	37	37	284	-	-	-	-	-	8	4	10	-	-	-	-	127	1,859	1,889	1,668	0.390	0.400	0.396	0.383	50	744	748	639
10	26	21	156	1,839	1,866	1,899	-	-	-	-	35	-	-	-	-	-	-	-	-	35	35	282	-	-	-	-	-	10	3	11	-	-	-	-	122	1,794	1,828	1,606	0.385	0.396	0.392	0.378	47	711	717	607
10	26	22	146	1,725	1,753	1,786	-	-	-	-	40	-	-	-	-	-	-	-	-	32	32	279	-	-	-	-	-	12	5	13	-	-	-	-	107	1,681	1,716	1,494	0.376	0.389	0.386	0.367	40	654	662	548
10	26	23	133	1,565	1,591	1,622	-	-	-	-	35	-	-	-	-	-	-	-	-	25	25	272	-	-	-	-	-	0	12	1	-	-	-	-	98	1,540	1,554	1,349	0.365	0.384	0.380	0.364	36	592	590	492
10	26	24	138	1,623	1,647	1,676	-	-	-	-	26	-	-	-	-	-	-	-	-	18	18	265	-	-	-	-	-	4	7	(2)	-	-	-	-	112	1,601	1,622	1,413	0.365	0.371	0.375	0.364	41	593	608	515
10	27	1	110	1,283	1,292	1,305	-	-	-	-	25	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	6	9	(0)	-	-	-	-	85	1,261	1,267	1,043	0.371	0.383	0.378	0.364	31	482	479	380
10	27	2	103	1,202	1,204	1,210	-	-	-	-	21	-	-	-	-	-	-	-	-	11	11	258	-	-	-	-	-	3	2	(2)	-	-	-	-	83	1,188	1,190	954	0.371	0.381	0.378	0.364	31	453	450	347
10	27	3	100	1,151	1,145	1,146	-	-	-	-	20	-	-	-	-	-	-	-	-	8	8	255	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,130	1,132	894	0.369	0.377	0.375	0.364	30	426	424	325
10	27	4	98	1,126	1,114	1,109	-	-	-	-	28	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	1	2	(3)	-	-	-	-	70	1,122	1,108	861	0.367	0.380	0.376	0.364	26	426	416	313
10	27	5	100	1,141	1,122	1,110	-	-	-	-	34	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,136	1,120	864	0.365	0.384	0.377	0.364	24	437	422	314
10	27	6	107	1,213	1,188	1,171	-	-	-	-	37	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	12	4	(1)	-	-	-	-	69	1,202	1,183	925	0.376	0.388	0.381	0.364	26	466	451	337
10	27	7	120	1,369	1,344	1,328	-	-	-	-	35	-	-	-	-	-	-	-	2	104	105	352	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	83	1,266	1,243	977	0.374	0.385	0.383	0.373	31	487	476	364
10	27	8	130	1,488	1,465	1,454	-	-	-	-	27	-	-	-	-	-	-	-	12	628	647	911	-	-	-	-	-	(4)	(2)	0	-	-	-	-	91	863	820	543	0.366	0.390	0.380	0.390	33	336	311	212
10	27	9	132	1,515	1,496	1,489	-	-	-	-	21	-	-	-	-	-	-	-	21	927	978	1,270	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	91	594	525	222	0.371	0.015	0.384	0.014	34	9	202	3
10	27	10	138	1,577	1,558	1,552	-	-	-	-	19	-	-	-	-	-	-	-	25	1,071	1,140	1,448	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	94	520	433	120	0.380	0.015	0.384	0.015	36	8	166	2
10	27	11	142	1,633	1,614	1,608	-	-	-	-	19	-	-	-	-	-	-	-	35	1,570	1,662	1,991	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	88	77	(32)	(367)	0.384	0.015	0.384	0.015	34	1	(12)	(5)
10	27	12	146	1,678	1,660	1,655	-	-	-	-	19	-	-	-	-	-	-	-	42	1,880	1,989	2,333	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	85	(187)	(313)	(661)	0.383	0.015	0.384	0.015	32	(3)	(120)	(10)
10	27	13	149	1,717	1,704	1,702	-	-	-	-	19	-	-	-	-	-	-	-	39	1,735	1,835	2,172	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	91	1	(116)	(454)	0.381	0.015	0.384	0.015	35	0	(44)	(7)
10	27	14	152	1,751	1,741	1,742	-	-	-	-	20	-	-	-	-	-	-	-	34	1,460	1,551	1,879	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	98	298	199	(125)	0.376	0.015	0.384	0.014	37	4	76	(2)
10	27	15	153	1,765	1,758	1,762	-	-	-	-	21	-	-	-	-	-	-	-	28	1,229	1,299	1,608	-	-	-	-	-	(10)	(1)	2	-	-	-	-	104	546	460	151	0.372	0.014	0.383	0.014	39	8	177	2
10	27	16	153	1,775	1,775	1,786	-	-	-	-	25	-	-	-	-	-	-	-	22	1,049	1,094	1,382	-	-	-	-	-	(1)	(1)	5	-	-	-	-	106	727	682	399	0.366	0.396	0.373	0.385	39	288	254	154
10	27	17	152	1,767	1,774	1,790	-	-	-	-	29	-	-	-	-	-	-	-	6	340	347	600	-	-	-	-	-	(5)	(0)	-	-	-	-	-	116	1,432	1,427	1,190	0.380	0.402	0.397	0.392	44	576	567	466
10	27	18	153	1,783	1,796	1,816	-	-	-	-	37	-	-	-	-	-	-	-	0	4	4	251	-	-	-	-	-	(1)	2	9	-	-	-	-	116	1,780	1,790	1,557	0.388	0.398	0.394	0.379	45	708	704	589
10	27	19	161	1,885	1,907	1,937	-	-	-	-	37	-	-	-	-	-	-	-	-	6	6	253	-	-	-	-	-	(0)	3	15	-	-	-	-	123	1,879	1,898	1,669	0.391	0.401	0.397	0.384	48	753	753	641
10	27	20	160	1,878	1,903	1,935	-	-	-	-	35	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	8	4	10	-	-	-	-	125	1,870	1,899	1,678	0.390	0.400	0.396	0.383	49	748	752	642
10	27	21	155	1,817	1,844	1,876	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	3	11	-	-	-	-	120	1,808	1,841	1,619	0.385	0.396	0.392	0.378	46	716	722	611
10	27	22	145	1,713	1,741	1,774	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	13	-	-	-	-	106	1,700	1,736	1,513	0.376	0.389	0.386	0.367	40	662	670	556
10	27	23	132	1,561	1,588	1,618	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	0	12	1	-	-	-	-	98	1,561	1,575	1,371	0.365	0.384	0.380	0.364	36	600	598	500
10	27	24	139	1,631	1,656	1,685	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	7	(2)	-	-	-	-	113	1,627	1,648	1,440	0.365	0.371	0.375	0.364	41	603	618	524
10	28	1	110	1,288	1,297	1,310	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	6	9	(0)	-	-	-	-	85	1,281	1,287	1,063	0.371	0.383	0.378	0.364	32	490	487	387
10	28	2	104	1,207	1,208	1,215	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	2	(2)	-	-	-	-	83	1,204	1,206	970	0.371	0.381	0.378	0.364	31	459	456	353
10	28	3	100	1,156	1,151	1,152	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	(3)	-	-	-	-	81	1,145	1,147	908	0.369	0.377	0.375	0.364	30	431	430	331
10	28	4	98	1,132	1,120	1,115	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	71	1,132	1,118	871	0.367	0.380	0.376	0.364	26	430	420	317
10	28	5	100	1,145	1,126	1,114	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	66	1,141	1,125	868	0.365	0.384	0.377	0.364	24	438	424	316
10	28	6	107	1,214	1,189	1,172	-	-	-	-	37	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	12	4	(1)	-	-	-	-	70	1,203	1,184	926	0.376	0.388	0.381	0.364	26	466	451	337
10	28	7	119	1,361	1,335	1,319	-	-	-	-	35	-	-	-	-	-	-	-	11	678	680	929	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	73	684	659	392	0.374	0.385	0.383	0.373	27	263	252	146
10	28	8	131	1,497	1,475	1,464	-	-	-	-	27	-	-	-	-	-	-	-	31	1,589	1,636	1,925	-	-	-	-	-	(4)	(2)	0	-	-	-	-	73	(88)	(160)	(461)	0.366	0.390	0.380	0.390	27	(34)	(61)	(180)
10	28	9	135	1,551	1,532	1,527	-	-	-	-	21	-	-	-	-	-	-	-	43	2,044	2,140	2,472	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	71	(487)	(600)	(942)	0.371	0.015	0.384	0.014	26	(7)	(231)	(13)
10	28	10	141	1,615	1,597	1,592	-	-	-	-	19	-	-	-	-	-	-	-	54	2,428	2,561	2,927	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	68	(798)	(949)	(1,319)	0.380	0.015	0.384	0.015	26	(12)	(364)	(20)
10	28	11	144	1,656	1,637	1,632	-	-	-	-	19	-	-	-	-	-	-	-	60	2,624	2,780	3,167	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	65	(954)	(1,128)	(1,519)	0.384	0.015	0.384	0.015	25	(14)	(433)	(23)
10	28	12	146	1,674	1,657	1,651	-	-	-	-	19	-	-	-	-	-	-	-	62	2,693	2,858	3,253	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	65	(1,003)	(1,186)	(1,585)	0.383	0.015	0.384	0.015	25	(15)	(456)	(24)
10	28	13	147	1,696	1,682	1,679	-	-	-	-	19	-	-	-	-	-	-	-	61	2,668	2,834	3,230	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	67	(954)	(1,137)	(1,534)	0.381	0.015	0.384	0.015	25	(14)	(437)	(23)
10	28	14	149	1,714	1,703	1,704	-	-	-	-	20	-	-	-	-	-	-	-	58	2,536	2,689	3,073	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	70	(815)	(977)	(1,358)	0.376	0.015	0.384	0.014	27	(12)	(375)	(19)
10	28	15	150	1,727	1,719	1,722	-	-	-	-	21	-	-	-	-	-	-	-	50	2,247	2,368	2,724	-	-	-	-	-	(10)	(1)	2	-	-	-	-	79	(510)	(648)	(1,004)	0.372	0.014	0.383	0.014	29	(7)	(249)	(15)
10	28	16	150	1,743	1,743	1,753	-	-	-	-	25	-	-	-	-	-	-	-	33	1,514	1,591	1,907	-	-	-	-	-	(1)	(1)	5	-	-	-	-	92	230	153	(159)	0.366	0.396	0.373	0.385	34	91	57	(61)
10	28	17	150	1,747	1,754	1,769	-	-	-	-	29	-	-	-	-	-	-	-	10	505	521	782	-	-	-	-	-	(5)	(0)	-	-	-	-	-	111	1,247	1,233	987	0.380	0.402	0.397	0.392	42	502	490	387
10	28	18	150	1,747	1,759	1,779	-	-	-	-	37	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	(1)	2	9	-	-	-	-	113	1,748	1,757	1,523	0.388	0.398	0.394	0.379	44	695	692	577
10	28	19	156	1,832	1,853	1,882	-	-	-	-	37	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	(0)	3	15	-	-	-	-	119	1,832	1,850	1,620	0.391	0.401	0.397	0.384	47	735	734	622
10	28	20	155	1,823	1,847	1,878	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	8	4	10	-	-	-	-	120	1,815	1,844	1,621	0.390	0.400	0.396	0.383	47	726	730	621
10	28	21	150	1,770	1,795	1,826	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	10	3	11	-	-	-	-	116	1,760	1,792	1,569	0.385	0.396	0.392	0.378	45	698	703	592
10	28	22	143	1,684	1,711	1,744	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	13	-	-	-	-	103	1,672	1,707	1,483	0.376	0.389	0.386	0.367	39	651	659	544
10	28	23	132	1,559	1,585	1,616	-	-	-	-	35	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	0	12	1	-	-	-	-	98	1,559	1,573	1,368	0.365	0.384	0.380	0.364	36	599	597	499
10	28	24	137	1,613	1,637	1,666	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	7	(2)	-	-	-	-	112	1,610	1,630	1,421	0.365	0.371	0.375	0.364	41	597	611	518
10	29	1	110	1,286	1,295	1,309	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	6	9	(0)	-	-	-	-	85	1,280	1,286	1,062	0.371	0.383	0.378	0.364	32	490	486	387
10	29	2	103	1,202	1,204	1,210	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	3	2	(2)	-	-	-	-	83	1,199	1,202	965	0.371	0.381	0.378	0.364	31	457	454	351
10	29	3	99	1,141	1,135	1,136	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	12	5	(3)	-	-	-	-	79	1,129	1,131	892	0.369	0.377	0.375	0.364	29	425	424	325
10	29	4	96	1,108	1,096	1,090	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,108	1,094	846	0.367	0.380	0.376	0.364	25	421	411	308
10	29	5	96	1,095	1,074	1,062	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	-	-	-	-	4	1	(1)	-	-	-	-	62	1,091	1,074	816	0.365	0.384	0.377	0.364	23	419	405	297
10	29	6	98	1,115	1,088	1,069	-	-	-	-	37	-	-	-	-	-	-	-	0	0	0	247	-	-	-	-	-	12	4	(1)	-	-	-	-	61	1,104	1,084	823	0.376	0.388	0.381	0.364	23	428	413	300
10	29	7	103	1,168	1,138	1,117	-	-	-	-	35	-	-	-	-	-	-	-	1	60	60	308	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	67	1,108	1,081	810	0.374	0.385	0.383	0.373	25	426	414	302
10	29	8	108	1,226	1,198	1,180	-	-	-	-	27	-	-	-	-	-	-	-	15	755	782	1,052	-	-	-	-	-	(4)	(2)	0	-	-	-	-	66	475	417	127	0.366	0.390	0.380	0.390	24	185	158	50
10	29	9	115	1,306	1,282	1,270	-	-	-	-	21	-	-	-	-	-	-	-	21	915	970	1,265	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	73	397	320	8	0.371	0.015	0.384	0.014	27	6	123	0
10	29	10	122	1,388	1,365	1,355	-	-	-	-	19	-	-	-	-	-	-	-	25	1,010	1,091	1,411	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	78	393	289	(40)	0.380	0.015	0.384	0.015	30	6	111	(1)
10	29	11	127	1,448	1,425	1,414	-	-	-	-	19	-	-	-	-	-	-	-	23	759	852	1,182	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	85	703	588	248	0.384	0.015	0.384	0.015	32	10	226	4
10	29	12	131	1,500	1,479	1,469	-	-	-	-	19	-	-	-	-	-	-	-	28	1,036	1,138	1,477	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	84	479	355	9	0.383	0.015	0.384	0.015	32	7	136	0
10	29	13	133	1,525	1,508	1,501	-	-	-	-	19	-	-	-	-	-	-	-	36	1,479	1,591	1,939	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	78	64	(69)	(422)	0.381	0.015	0.384	0.015	30	1	(26)	(6)
10	29	14	134	1,539	1,525	1,521	-	-	-	-	20	-	-	-	-	-	-	-	20	616	704	1,030	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	94	931	830	503	0.376	0.015	0.384	0.014	35	14	319	7
10	29	15	135	1,557	1,546	1,544	-	-	-	-	21	-	-	-	-	-	-	-	17	663	723	1,024	-	-	-	-	-	(10)	(1)	2	-	-	-	-	97	904	823	518	0.372	0.014	0.383	0.014	36	13	316	7
10	29	16	136	1,579	1,575	1,581	-	-	-	-	25	-	-	-	-	-	-	-	14	598	642	928	-	-	-	-	-	(1)	(1)	5	-	-	-	-	97	982	934	648	0.366	0.396	0.373	0.385	36	389	349	250
10	29	17	138	1,600	1,603	1,615	-	-	-	-	29	-	-	-	-	-	-	-	3	179	188	443	-	-	-	-	-	(5)	(0)	-	-	-	-	-	105	1,426	1,415	1,172	0.380	0.402	0.397	0.392	40	574	562	459
10	29	18	143	1,663	1,672	1,690	-	-	-	-	37	-	-	-	-	-	-	-	0	54	54	301	-	-	-	-	-	(1)	2	9	-	-	-	-	106	1,610	1,617	1,381	0.388	0.398	0.394	0.379	41	640	636	523
10	29	19	152	1,782	1,802	1,829	-	-	-	-	37	-	-	-	-	-	-	-	-	64	64	311	-	-	-	-	-	(0)	3	15	-	-	-	-	115	1,718	1,735	1,504	0.391	0.401	0.397	0.384	45	689	689	577
10	29	20	152	1,779	1,802	1,831	-	-	-	-	35	-	-	-	-	-	-	-	-	65	65	312	-	-	-	-	-	8	4	10	-	-	-	-	116	1,706	1,734	1,510	0.390	0.400	0.396	0.383	45	683	687	578
10	29	21	147	1,731	1,756	1,786	-	-	-	-	35	-	-	-	-	-	-	-	-	55	55	302	-	-	-	-	-	10	3	11	-	-	-	-	113	1,667	1,698	1,474	0.385	0.396	0.392	0.378	43	661	666	556
10	29	22	140	1,653	1,680	1,711	-	-	-	-	40	-	-	-	-	-	-	-	-	53	53	300	-	-	-	-	-	12	5	13	-	-	-	-	100	1,588	1,622	1,398	0.376	0.389	0.386	0.367	38	618	626	513
10	29	23	131	1,546	1,572	1,602	-	-	-	-	35	-	-	-	-	-	-	-	-	51	51	298	-	-	-	-	-	0	12	1	-	-	-	-	96	1,494	1,508	1,303	0.365	0.384	0.380	0.364	35	574	572	475
10	29	24	128	1,511	1,532	1,558	-	-	-	-	26	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	4	7	(2)	-	-	-	-	103	1,459	1,477	1,265	0.365	0.371	0.375	0.364	38	541	554	461
10	30	1	111	1,301	1,310	1,324	-	-	-	-	25	-	-	-	-	-	-	-	-	49	49	296	-	-	-	-	-	6	9	(0)	-	-	-	-	86	1,245	1,252	1,028	0.371	0.383	0.378	0.364	32	476	474	374
10	30	2	105	1,215	1,217	1,224	-	-	-	-	21	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	3	2	(2)	-	-	-	-	84	1,164	1,167	931	0.371	0.381	0.378	0.364	31	444	441	339
10	30	3	99	1,149	1,144	1,145	-	-	-	-	20	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	12	5	(3)	-	-	-	-	80	1,097	1,099	860	0.369	0.377	0.375	0.364	30	413	412	313
10	30	4	97	1,111	1,098	1,092	-	-	-	-	28	-	-	-	-	-	-	-	-	31	31	278	-	-	-	-	-	1	2	(3)	-	-	-	-	69	1,079	1,065	817	0.367	0.380	0.376	0.364	25	410	400	298
10	30	5	96	1,092	1,072	1,059	-	-	-	-	34	-	-	-	-	-	-	-	-	41	41	288	-	-	-	-	-	4	1	(1)	-	-	-	-	62	1,048	1,031	773	0.365	0.384	0.377	0.364	22	402	388	281
10	30	6	96	1,092	1,063	1,044	-	-	-	-	37	-	-	-	-	-	-	-	0	50	50	297	-	-	-	-	-	12	4	(1)	-	-	-	-	59	1,030	1,009	748	0.376	0.388	0.381	0.364	22	399	385	272
10	30	7	100	1,127	1,096	1,075	-	-	-	-	35	-	-	-	-	-	-	-	11	715	717	965	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	53	413	383	110	0.374	0.385	0.383	0.373	20	159	147	41
10	30	8	104	1,172	1,142	1,124	-	-	-	-	27	-	-	-	-	-	-	-	30	1,627	1,670	1,956	-	-	-	-	-	(4)	(2)	0	-	-	-	-	46	(451)	(526)	(833)	0.366	0.390	0.380	0.390	17	(176)	(200)	(325)
10	30	9	110	1,250	1,225	1,211	-	-	-	-	21	-	-	-	-	-	-	-	43	2,144	2,230	2,555	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	45	(888)	(999)	(1,340)	0.371	0.015	0.384	0.014	17	(13)	(384)	(19)
10	30	10	117	1,330	1,305	1,293	-	-	-	-	19	-	-	-	-	-	-	-	51	2,424	2,541	2,893	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	47	(1,080)	(1,221)	(1,584)	0.380	0.015	0.384	0.015	18	(16)	(469)	(24)
10	30	11	122	1,389	1,365	1,353	-	-	-	-	19	-	-	-	-	-	-	-	58	2,690	2,833	3,208	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	44	(1,287)	(1,453)	(1,839)	0.384	0.015	0.384	0.015	17	(19)	(558)	(27)
10	30	12	124	1,420	1,397	1,385	-	-	-	-	19	-	-	-	-	-	-	-	60	2,711	2,867	3,253	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	45	(1,276)	(1,455)	(1,852)	0.383	0.015	0.384	0.015	17	(19)	(559)	(28)
10	30	13	125	1,430	1,410	1,400	-	-	-	-	19	-	-	-	-	-	-	-	60	2,663	2,819	3,206	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	46	(1,215)	(1,394)	(1,790)	0.381	0.015	0.384	0.015	17	(18)	(535)	(27)
10	30	14	125	1,437	1,420	1,413	-	-	-	-	20	-	-	-	-	-	-	-	51	2,164	2,308	2,684	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	54	(720)	(879)	(1,259)	0.376	0.015	0.384	0.014	20	(11)	(338)	(18)
10	30	15	126	1,443	1,428	1,424	-	-	-	-	21	-	-	-	-	-	-	-	44	1,937	2,056	2,411	-	-	-	-	-	(10)	(1)	2	-	-	-	-	60	(484)	(627)	(989)	0.372	0.014	0.383	0.014	22	(7)	(240)	(14)
10	30	16	126	1,454	1,447	1,449	-	-	-	-	25	-	-	-	-	-	-	-	34	1,574	1,654	1,973	-	-	-	-	-	(1)	(1)	5	-	-	-	-	67	(119)	(207)	(529)	0.366	0.396	0.373	0.385	24	(47)	(77)	(204)
10	30	17	127	1,477	1,477	1,486	-	-	-	-	29	-	-	-	-	-	-	-	11	532	552	818	-	-	-	-	-	(5)	(0)	-	-	-	-	-	87	950	925	668	0.380	0.402	0.397	0.392	33	382	367	262
10	30	18	133	1,553	1,560	1,575	-	-	-	-	37	-	-	-	-	-	-	-	0	23	23	270	-	-	-	-	-	(1)	2	9	-	-	-	-	96	1,531	1,536	1,297	0.388	0.398	0.394	0.379	37	609	604	491
10	30	19	144	1,684	1,702	1,726	-	-	-	-	37	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	(0)	3	15	-	-	-	-	107	1,641	1,655	1,422	0.391	0.401	0.397	0.384	42	658	657	546
10	30	20	145	1,706	1,727	1,755	-	-	-	-	35	-	-	-	-	-	-	-	-	48	48	295	-	-	-	-	-	8	4	10	-	-	-	-	110	1,650	1,676	1,450	0.390	0.400	0.396	0.383	43	660	664	555
10	30	21	142	1,668	1,691	1,720	-	-	-	-	35	-	-	-	-	-	-	-	-	45	45	292	-	-	-	-	-	10	3	11	-	-	-	-	107	1,614	1,643	1,417	0.385	0.396	0.392	0.378	41	639	645	535
10	30	22	135	1,586	1,611	1,641	-	-	-	-	40	-	-	-	-	-	-	-	-	50	50	297	-	-	-	-	-	12	5	13	-	-	-	-	95	1,524	1,556	1,330	0.376	0.389	0.386	0.367	36	593	601	488
10	30	23	124	1,456	1,480	1,508	-	-	-	-	35	-	-	-	-	-	-	-	-	43	43	290	-	-	-	-	-	0	12	1	-	-	-	-	89	1,413	1,425	1,218	0.365	0.384	0.380	0.364	32	543	541	444
10	30	24	121	1,423	1,443	1,466	-	-	-	-	26	-	-	-	-	-	-	-	-	33	33	280	-	-	-	-	-	4	7	(2)	-	-	-	-	95	1,386	1,402	1,188	0.365	0.371	0.375	0.364	35	514	526	433
10	31	1	103	1,207	1,215	1,226	-	-	-	-	25	-	-	-	-	-	-	-	-	30	30	277	-	-	-	-	-	6	9	(0)	-	-	-	-	78	1,171	1,175	949	0.371	0.383	0.378	0.364	29	448	445	346
10	31	2	98	1,139	1,139	1,144	-	-	-	-	21	-	-	-	-	-	-	-	-	26	26	273	-	-	-	-	-	3	2	(2)	-	-	-	-	78	1,109	1,111	873	0.371	0.381	0.378	0.364	29	423	419	318
10	31	3	95	1,097	1,090	1,089	-	-	-	-	20	-	-	-	-	-	-	-	-	21	21	268	-	-	-	-	-	12	5	(3)	-	-	-	-	75	1,064	1,065	825	0.369	0.377	0.375	0.364	28	401	399	300
10	31	4	94	1,077	1,064	1,057	-	-	-	-	28	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	1	2	(3)	-	-	-	-	66	1,062	1,047	799	0.367	0.380	0.376	0.364	24	404	394	291

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
10	31	5	96	1,095	1,074	1,062	-	-	-	-	34	-	-	-	-	-	-	-	-	15	15	262	-	-	-	-	-	4	1	(1)	-	-	-	-	62	1,076	1,059	801	0.365	0.384	0.377	0.364	23	413	399	292
10	31	6	104	1,178	1,152	1,134	-	-	-	-	37	-	-	-	-	-	-	-	0	11	11	258	-	-	-	-	-	12	4	(1)	-	-	-	-	66	1,155	1,136	877	0.376	0.388	0.381	0.364	25	447	433	319
10	31	7	117	1,330	1,304	1,288	-	-	-	-	35	-	-	-	-	-	-	-	10	657	659	908	-	-	-	-	-	(0)	(4)	(1)	-	-	-	-	71	673	649	381	0.374	0.385	0.383	0.373	26	259	248	142
10	31	8	129	1,477	1,454	1,444	-	-	-	-	27	-	-	-	-	-	-	-	31	1,604	1,653	1,944	-	-	-	-	-	(4)	(2)	0	-	-	-	-	71	(123)	(197)	(501)	0.366	0.390	0.380	0.390	26	(48)	(75)	(195)
10	31	9	132	1,509	1,490	1,484	-	-	-	-	21	-	-	-	-	-	-	-	46	2,204	2,300	2,632	-	-	-	-	-	(6)	(7)	(3)	-	-	-	-	65	(688)	(802)	(1,146)	0.371	0.015	0.384	0.014	24	(10)	(308)	(16)
10	31	10	136	1,552	1,532	1,526	-	-	-	-	19	-	-	-	-	-	-	-	55	2,536	2,665	3,027	-	-	-	-	-	(15)	(15)	(16)	-	-	-	-	62	(970)	(1,117)	(1,484)	0.380	0.015	0.384	0.015	24	(14)	(429)	(22)
10	31	11	139	1,591	1,572	1,565	-	-	-	-	19	-	-	-	-	-	-	-	61	2,700	2,856	3,242	-	-	-	-	-	(14)	(15)	(16)	-	-	-	-	59	(1,095)	(1,269)	(1,661)	0.384	0.015	0.384	0.015	23	(16)	(487)	(25)
10	31	12	142	1,625	1,607	1,600	-	-	-	-	19	-	-	-	-	-	-	-	62	2,697	2,866	3,264	-	-	-	-	-	(15)	(15)	(17)	-	-	-	-	61	(1,056)	(1,243)	(1,647)	0.383	0.015	0.384	0.015	23	(16)	(477)	(25)
10	31	13	142	1,632	1,616	1,612	-	-	-	-	19	-	-	-	-	-	-	-	63	2,738	2,911	3,312	-	-	-	-	-	(18)	(15)	(16)	-	-	-	-	60	(1,088)	(1,279)	(1,684)	0.381	0.015	0.384	0.015	23	(16)	(491)	(25)
10	31	14	143	1,645	1,632	1,631	-	-	-	-	20	-	-	-	-	-	-	-	61	2,661	2,822	3,213	-	-	-	-	-	(7)	(9)	(11)	-	-	-	-	62	(1,009)	(1,180)	(1,570)	0.376	0.015	0.384	0.014	23	(15)	(453)	(22)
10	31	15	143	1,649	1,640	1,641	-	-	-	-	21	-	-	-	-	-	-	-	53	2,370	2,506	2,874	-	-	-	-	-	(10)	(1)	2	-	-	-	-	69	(711)	(865)	(1,235)	0.372	0.014	0.383	0.014	26	(10)	(332)	(18)
10	31	16	143	1,659	1,657	1,665	-	-	-	-	25	-	-	-	-	-	-	-	36	1,640	1,724	2,046	-	-	-	-	-	(1)	(1)	5	-	-	-	-	82	20	(66)	(387)	0.366	0.396	0.373	0.385	30	8	(25)	(149)
10	31	17	143	1,659	1,663	1,677	-	-	-	-	29	-	-	-	-	-	-	-	11	555	578	846	-	-	-	-	-	(5)	(0)	-	-	-	-	-	102	1,109	1,085	831	0.380	0.402	0.397	0.392	39	446	431	325
10	31	18	144	1,680	1,691	1,709	-	-	-	-	37	-	-	-	-	-	-	-	0	12	12	259	-	-	-	-	-	(1)	2	9	-	-	-	-	107	1,669	1,677	1,441	0.388	0.398	0.394	0.379	42	664	660	545
10	31	19	152	1,776	1,796	1,823	-	-	-	-	37	-	-	-	-	-	-	-	-	10	10	257	-	-	-	-	-	(0)	3	15	-	-	-	-	114	1,766	1,783	1,551	0.391	0.401	0.397	0.384	45	708	708	596
10	31	20	149	1,747	1,769	1,797	-	-	-	-	35	-	-	-	-	-	-	-	-	4	4	251	-	-	-	-	-	8	4	10	-	-	-	-	114	1,735	1,761	1,536	0.390	0.400	0.396	0.383	44	694	698	588
10	31	21	145	1,706	1,730	1,760	-	-	-	-	35	-	-	-	-	-	-	-	-	1	1	248	-	-	-	-	-	10	3	11	-	-	-	-	111	1,696	1,726	1,501	0.385	0.396	0.392	0.378	43	672	677	567
10	31	22	139	1,637	1,664	1,695	-	-	-	-	40	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	12	5	13	-	-	-	-	99	1,625	1,659	1,434	0.376	0.389	0.386	0.367	37	633	640	527
10	31	23	128	1,506	1,531	1,561	-	-	-	-	35	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	0	12	1	-	-	-	-	93	1,506	1,519	1,313	0.365	0.384	0.380	0.364	34	579	577	479
10	31	24	132	1,558	1,581	1,608	-	-	-	-	26	-	-	-	-	-	-	-	-	0	0	247	-	-	-	-	-	4	7	(2)	-	-	-	-	107	1,554	1,573	1,363	0.365	0.371	0.375	0.364	39	576	590	496
11	1	1	107	1,251	1,262	1,278	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	6	7	1	-	-	-	-	80	1,242	1,253	1,027	0.369	0.370	0.367	0.369	30	460	460	380
11	1	2	101	1,180	1,185	1,195	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	83	1,166	1,173	946	0.370	0.369	0.367	0.368	31	430	431	348
11	1	3	98	1,137	1,136	1,140	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,133	1,134	890	0.370	0.370	0.367	0.366	31	420	416	326
11	1	4	96	1,113	1,107	1,107	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	82	1,111	1,105	858	0.370	0.368	0.366	0.364	31	408	404	312
11	1	5	98	1,124	1,112	1,107	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	78	1,115	1,112	854	0.368	0.365	0.365	0.364	29	408	406	311
11	1	6	105	1,204	1,187	1,178	-	-	-	-	28	-	-	-	-	-	-	-	0	0	0	247	-	2	2	2	-	8	7	(3)	-	-	-	-	77	1,194	1,178	931	0.367	0.372	0.367	0.365	28	444	432	340
11	1	7	118	1,351	1,333	1,324	-	-	-	-	31	-	-	-	-	-	-	-	10	601	603	852	-	2	2	2	-	8	12	5	-	-	-	-	78	739	716	464	0.374	0.380	0.374	0.372	29	281	268	172
11	1	8	128	1,470	1,452	1,446	-	-	-	-	28	-	-	-	-	-	-	-	31	1,627	1,676	1,966	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(154)	(224)	(520)	0.371	0.382	0.383	0.378	26	(59)	(86)	(197)
11	1	9	131	1,499	1,485	1,483	-	-	-	-	20	-	-	-	-	-	-	-	47	2,233	2,333	2,669	-	2	2	2	-	(2)	0	(3)	-	-	-	-	63	(734)	(850)	(1,185)	0.371	0.221	0.220	0.231	23	(162)	(187)	(273)
11	1	10	135	1,549	1,535	1,533	-	-	-	-	13	-	-	-	-	-	-	-	57	2,584	2,722	3,092	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	65	(1,031)	(1,182)	(1,553)	0.375	0.230	0.227	0.237	25	(237)	(268)	(368)
11	1	11	138	1,589	1,575	1,572	-	-	-	-	13	-	-	-	-	-	-	-	63	2,784	2,950	3,345	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	62	(1,191)	(1,363)	(1,766)	0.377	0.232	0.232	0.000	23	(276)	(317)	-
11	1	12	140	1,608	1,594	1,591	-	-	-	-	13	-	-	-	-	-	-	-	65	2,839	3,014	3,419	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	62	(1,216)	(1,406)	(1,813)	0.384	0.232	0.232	0.000	24	(282)	(327)	-
11	1	13	140	1,618	1,608	1,608	-	-	-	-	13	-	-	-	-	-	-	-	63	2,746	2,919	3,321	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	64	(1,114)	(1,297)	(1,697)	0.384	0.232	0.232	0.000	25	(259)	(301)	-
11	1	14	142	1,635	1,628	1,632	-	-	-	-	13	-	-	-	-	-	-	-	60	2,632	2,793	3,184	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	69	(982)	(1,151)	(1,540)	0.384	0.232	0.232	0.000	26	(228)	(267)	-
11	1	15	142	1,638	1,634	1,639	-	-	-	-	14	-	-	-	-	-	-	-	52	2,288	2,422	2,789	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	76	(642)	(780)	(1,139)	0.383	0.232	0.232	0.000	29	(149)	(181)	-
11	1	16	142	1,649	1,653	1,665	-	-	-	-	17	-	-	-	-	-	-	-	32	1,403	1,484	1,803	-	2	2	2	-	(3)	(3)	1	-	-	-	-	94	246	169	(142)	0.366	0.372	0.375	0.386	34	92	63	(55)
11	1	17	142	1,651	1,659	1,674	-	-	-	-	27	-	-	-	-	-	-	-	9	433	455	721	-	2	2	2	-	(2)	(0)	1	-	-	-	-	105	1,218	1,202	950	0.379	0.392	0.387	0.387	40	478	465	368
11	1	18	145	1,698	1,714	1,736	-	-	-	-	30	-	-	-	-	-	-	-	0	9	9	256	-	2	2	2	-	(1)	0	3	-	-	-	-	115	1,688	1,701	1,475	0.389	0.394	0.389	0.384	45	666	662	567
11	1	19	157	1,841	1,867	1,899	-	-	-	-	30	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	(1)	2	19	-	-	-	-	127	1,829	1,851	1,620	0.392	0.397	0.393	0.388	50	726	727	629
11	1	20	158	1,855	1,883	1,917	-	-	-	-	33	-	-	-	-	-	-	-	-	18	18	265	-	2	2	2	-	(1)	0	5	-	-	-	-	125	1,835	1,861	1,644	0.392	0.396	0.392	0.388	49	727	730	638
11	1	21	153	1,798	1,825	1,858	-	-	-	-	34	-	-	-	-	-	-	-	-	27	27	274	-	2	2	2	-	1	1	13	-	-	-	-	119	1,767	1,795	1,570	0.390	0.394	0.390	0.386	47	697	700	606
11	1	22	143	1,684	1,711	1,743	-	-	-	-	32	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	1	1	4	-	-	-	-	111	1,650	1,677	1,459	0.386	0.391	0.387	0.382	43	645	649	558
11	1	23	129	1,525	1,551	1,581	-	-	-	-	30	-	-	-	-	-	-	-	-	28	28	275	-	2	2	2	-	5	6	2	-	-	-	-	99	1,489	1,514	1,301	0.379	0.386	0.382	0.382	38	574	578	496
11	1	24	132	1,551	1,574	1,602	-	-	-	-	28	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	9	10	(0)	-	-	-	-	104	1,503	1,525	1,317	0.373	0.376	0.373	0.374	39	565	570	493
11	2	1	108	1,264	1,276	1,292	-	-	-	-	27	-	-	-	-	-	-	-	-	42	42	289	-	2	2	2	-	6	7	1	-	-	-	-	81	1,213	1,224	999	0.369	0.370	0.367	0.369	30	449	449	369
11	2	2	102	1,194	1,199	1,208	-	-	-	-	18	-	-	-	-	-	-	-	-	42	42	289	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,138	1,145	918	0.370	0.369	0.367	0.368	31	420	420	337
11	2	3	99	1,145	1,144	1,149	-	-	-	-	15	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,106	1,107	863	0.370	0.370	0.367	0.366	31	410	406	316
11	2	4	97	1,123	1,117	1,117	-	-	-	-	14	-	-	-	-	-	-	-	-	39	39	286	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,081	1,076	829	0.370	0.368	0.366	0.364	31	397	394	302
11	2	5	99	1,137	1,126	1,121	-	-	-	-	20	-	-	-	-	-	-	-	-	45	45	292	-	2	2	2	-	7	(2)	4	-	-	-	-	79	1,083	1,080	822	0.368	0.365	0.365	0.364	29	396	394	299
11	2	6	106	1,217	1,201	1,192	-	-	-	-	28	-	-	-	-	-	-	-	-	46	46	293	-	2	2	2	-	8	7	(3)	-	-	-	-	78	1,161	1,145	899	0.367	0.372	0.367	0.365	29	432	420	328
11	2	7	119	1,369	1,351	1,343	-	-	-	-	31	-	-	-	-	-	-	-	10	636	638	886	-	2	2	2	-	8	12	5	-	-	-	-	79	723	700	449	0.374	0.380	0.374	0.372	30	274	262	167
11	2	8	130	1,489	1,472	1,466	-	-	-	-	28	-	-	-	-	-	-	-	31	1,648	1,700	1,993	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	71	(157)	(228)	(527)	0.371	0.382	0.383	0.378	26	(60)	(87)	(199)
11	2	9	131	1,509	1,495	1,493	-	-	-	-	20	-	-	-	-	-	-	-	48	2,303	2,411	2,755	-	2	2	2	-	(2)	0	(3)	-	-	-	-	63	(795)	(919)	(1,261)	0.371	0.221	0.220	0.231	23	(176)	(202)	(291)
11	2	10	134	1,538	1,524	1,522	-	-	-	-	13	-	-	-	-	-	-	-	59	2,693	2,839	3,218	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	62	(1,151)	(1,311)	(1,691)	0.375	0.230	0.227	0.237	23	(264)	(297)	(401)
11	2	11	138	1,584	1,570	1,567	-	-	-	-	13	-	-	-	-	-	-	-	64	2,882	3,051	3,449	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	60	(1,293)	(1,469)	(1,875)	0.377	0.232	0.232	0.000	23	(300)	(341)	-
11	2	12	140	1,612	1,598	1,595	-	-	-	-	13	-	-	-	-	-	-	-	66	2,913	3,091	3,497	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	62	(1,287)	(1,479)	(1,888)	0.384	0.232	0.232	0.000	24	(299)	(343)	-
11	2	13	142	1,638	1,629	1,630	-	-	-	-	13	-	-	-	-	-	-	-	65	2,871	3,045	3,448	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	65	(1,220)	(1,403)	(1,803)	0.384	0.232	0.232	0.000	25	(283)	(326)	-
11	2	14	144	1,659	1,653	1,657	-	-	-	-	13	-	-	-	-	-	-	-	61	2,753	2,916	3,308	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	70	(1,079)	(1,249)	(1,639)	0.384	0.232	0.232	0.000	27	(251)	(290)	-
11	2	15	145	1,682	1,679	1,686	-	-	-	-	14	-	-	-	-	-	-	-	53	2,433	2,570	2,941	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	78	(743)	(883)	(1,244)	0.383	0.232	0.232	0.000	30	(173)	(205)	-
11	2	16	147	1,709	1,714	1,728	-	-	-	-	17	-	-	-	-	-	-	-	35	1,623	1,708	2,031	-	2	2	2	-	(3)	(3)	1	-	-	-	-	96	86	6	(307)	0.366	0.372	0.375	0.386	35	32	2	(119)
11	2	17	147	1,718	1,727	1,744	-	-	-	-	27	-	-	-	-	-	-	-	11	560	583	851	-	2	2	2	-	(2)	(0)	1	-	-	-	-	110	1,158	1,142	890	0.379	0.392	0.387	0.387	42	454	442	345
11	2	18	150	1,752	1,768	1,793	-	-	-	-	30	-	-	-	-	-	-	-	0	68	68	315	-	2	2	2	-	(1)	0	3	-	-	-	-	120	1,683	1,698	1,472	0.389	0.394	0.389	0.384	47	664	661	566
11	2	19	158	1,862	1,887	1,920	-	-	-	-	30	-	-	-	-	-	-	-	-	66	66	313	-	2	2	2	-	(1)	2	19	-	-	-	-	128	1,794	1,817	1,586	0.392	0.397	0.393	0.388	50	712	713	616
11	2	20	158	1,861	1,889	1,923	-	-	-	-	33	-	-	-	-	-	-	-	-	71	71	318	-	2	2	2	-	(1)	0	5	-	-	-	-	126	1,788	1,815	1,598	0.392	0.396	0.392	0.388	49	709	711	620
11	2	21	152	1,791	1,819	1,852	-	-	-	-	34	-	-	-	-	-	-	-	-	69	69	316	-	2	2	2	-	1	1	13	-	-	-	-	119	1,719	1,747	1,521	0.390	0.394	0.390	0.386	46	678	681	587
11	2	22	144	1,691	1,718	1,750	-	-	-	-	32	-	-	-	-	-	-	-	-	64	64	311	-	2	2	2	-	1	1	4	-	-	-	-	111	1,623	1,650	1,432	0.386	0.391	0.387	0.382	43	635	639	547
11	2	23	131	1,540	1,567	1,597	-	-	-	-	30	-	-	-	-	-	-	-	-	59	59	306	-	2	2	2	-	5	6	2	-	-	-	-	101	1,475	1,500	1,287	0.379	0.386	0.382	0.382	38	569	573	491
11	2	24	134	1,575	1,599	1,628	-	-	-	-	28	-	-	-	-	-	-	-	-	50	50	297	-	2	2	2	-	9	10	(0)	-	-	-	-	106	1,513	1,536	1,328	0.373	0.376	0.373	0.374	39	569	573	497
11	3	1	108	1,264	1,276	1,292	-	-	-	-	27	-	-	-	-	-	-	-	-	48	48	295	-	2	2	2	-	6	7	1	-	-	-	-	81	1,207	1,218	993	0.369	0.370	0.367	0.369	30	447	447	367
11	3	2	102	1,186	1,191	1,201	-	-	-	-	18	-	-	-	-	-	-	-	-	46	46	293	-	2	2	2	-	12	9	(1)	-	-	-	-	83	1,126	1,133	906	0.370	0.369	0.367	0.368	31	415	416	333
11	3	3	98	1,139	1,138	1,142	-	-	-	-	15	-	-	-	-	-	-	-	-	42	42	289	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,094	1,095	851	0.370	0.370	0.367	0.366	31	405	402	311
11	3	4	97	1,117	1,111	1,111	-	-	-	-	14	-	-	-	-	-	-	-	-	32	32	279	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,082	1,076	829	0.370	0.368	0.366	0.364	31	398	394	302
11	3	5	98	1,130	1,118	1,113	-	-	-	-	20	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	7	(2)	4	-	-	-	-	78	1,091	1,087	830	0.368	0.365	0.365	0.364	29	399	397	302
11	3	6	106	1,210	1,193	1,184	-	-	-	-	28	-	-	-	-	-	-	-	-	32	32	279	-	2	2	2	-	8	7	(3)	-	-	-	-	78	1,168	1,151	905	0.367	0.372	0.367	0.365	29	434	422	330
11	3	7	119	1,365	1,347	1,338	-	-	-	-	31	-	-	-	-	-	-	-	11	683	685	934	-	2	2	2	-	8	12	5	-	-	-	-	78	672	648	396	0.374	0.380	0.374	0.372	29	255	243	147
11	3	8	129	1,477	1,459	1,453	-	-	-	-	28	-	-	-	-	-	-	-	32	1,656	1,709	2,003	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(177)	(250)	(550)	0.371	0.382	0.383	0.378	26	(68)	(96)	(208)
11	3	9	132	1,519	1,505	1,504	-	-	-	-	20	-	-	-	-	-	-	-	48	2,296	2,403	2,746	-	2	2	2	-	(2)	0	(3)	-	-	-	-	64	(777)	(900)	(1,241)	0.371	0.221	0.220	0.231	24	(172)	(198)	(286)
11	3	10	138	1,581	1,567	1,566	-	-	-	-	13	-	-	-	-	-	-	-	58	2,674	2,819	3,195	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	66	(1,090)	(1,247)	(1,623)	0.375	0.230	0.227	0.237	25	(250)	(283)	(385)
11	3	11	144	1,653	1,640	1,639	-	-	-	-	13	-	-	-	-	-	-	-	64	2,840	3,006	3,402	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	67	(1,182)	(1,354)	(1,756)	0.377	0.232	0.232	0.000	25	(275)	(314)	-
11	3	12	148	1,710	1,698	1,697	-	-	-	-	13	-	-	-	-	-	-	-	65	2,886	3,061	3,466	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	70	(1,162)	(1,350)	(1,754)	0.384	0.232	0.232	0.000	27	(270)	(313)	-
11	3	13	152	1,753	1,746	1,750	-	-	-	-	13	-	-	-	-	-	-	-	65	2,888	3,061	3,464	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	74	(1,122)	(1,302)	(1,699)	0.384	0.232	0.232	0.000	28	(261)	(302)	-
11	3	14	156	1,804	1,800	1,808	-	-	-	-	13	-	-	-	-	-	-	-	61	2,712	2,872	3,263	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	83	(894)	(1,058)	(1,442)	0.384	0.232	0.232	0.000	32	(208)	(246)	-
11	3	15	159	1,845	1,845	1,856	-	-	-	-	14	-	-	-	-	-	-	-	53	2,432	2,564	2,930	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	92	(580)	(711)	(1,063)	0.383	0.232	0.232	0.000	35	(135)	(165)	-
11	3	16	161	1,880	1,888	1,906	-	-	-	-	17	-	-	-	-	-	-	-	34	1,576	1,657	1,977	-	2	2	2	-	(3)	(3)	1	-	-	-	-	111	304	232	(74)	0.366	0.372	0.375	0.386	41	113	87	(28)
11	3	17	161	1,884	1,897	1,918	-	-	-	-	27	-	-	-	-	-	-	-	10	515	537	804	-	2	2	2	-	(2)	(0)	1	-	-	-	-	124	1,369	1,357	1,111	0.379	0.392	0.387	0.387	47	537	525	430
11	3	18	161	1,881	1,900	1,928	-	-	-	-	30	-	-	-	-	-	-	-	0	39	39	286	-	2	2	2	-	(1)	0	3	-	-	-	-	130	1,840	1,858	1,636	0.389	0.394	0.389	0.384	51	726	723	629
11	3	19	167	1,961	1,989	2,024	-	-	-	-	30	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	(1)	2	19	-	-	-	-	137	1,927	1,951	1,723	0.392	0.397	0.393	0.388	54	764	766	669
11	3	20	164	1,930	1,959	1,995	-	-	-	-	33	-	-	-	-	-	-	-	-	37	37	284	-	2	2	2	-	(1)	0	5	-	-	-	-	131	1,891	1,919	1,704	0.392	0.396	0.392	0.388	52	749	752	661
11	3	21	157	1,845	1,874	1,908	-	-	-	-	34	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	1	1	13	-	-	-	-	123	1,808	1,837	1,613	0.390	0.394	0.390	0.386	48	713	717	622
11	3	22	146	1,723	1,751	1,784	-	-	-	-	32	-	-	-	-	-	-	-	-	27	27	274	-	2	2	2	-	1	1	4	-	-	-	-	114	1,692	1,720	1,503	0.386	0.391	0.387	0.382	44	662	666	574
11	3	23	133	1,565	1,592	1,624	-	-	-	-	30	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	5	6	2	-	-	-	-	103	1,534	1,560	1,348	0.379	0.386	0.382	0.382	39	592	596	514
11	3	24	140	1,652	1,678	1,709	-	-	-	-	28	-	-	-	-	-	-	-	-	17	17	264	-	2	2	2	-	9	10	(0)	-	-	-	-	112	1,624	1,648	1,443	0.373	0.376	0.373	0.374	42	610	615	540
11	4	1	110	1,287	1,299	1,316	-	-	-	-	27	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	6	7	1	-	-	-	-	83	1,267	1,279	1,054	0.369	0.370	0.367	0.369	31	469	469	389
11	4	2	104	1,211	1,217	1,227	-	-	-	-	18	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	12	9	(1)	-	-	-	-	86	1,190	1,198	971	0.370	0.369	0.367	0.368	32	439	439	357
11	4	3	100	1,159	1,159	1,164	-	-	-	-	15	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	1	(1)	0	-	-	-	-	85	1,149	1,150	907	0.370	0.370	0.367	0.366	31	426	422	332
11	4	4	98	1,135	1,129	1,129	-	-	-	-	14	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,125	1,120	873	0.370	0.368	0.366	0.364	31	414	410	318
11	4	5	99	1,142	1,131	1,126	-	-	-	-	20	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	7	(2)	4	-	-	-	-	79	1,125	1,122	865	0.368	0.365	0.365	0.364	29	411	410	315
11	4	6	106	1,217	1,200	1,191	-	-	-	-	28	-	-	-	-	-	-	-	-	6	6	253	-	2	2	2	-	8	7	(3)	-	-	-	-	78	1,201	1,184	938	0.367	0.372	0.367	0.365	29	446	434	342
11	4	7	119	1,359	1,341	1,332	-	-	-	-	31	-	-	-	-	-	-	-	8	510	512	760	-	2	2	2	-	8	12	5	-	-	-	-	80	838	815	564	0.374	0.380	0.374	0.372	30	318	305	210
11	4	8	129	1,475	1,458	1,452	-	-	-	-	28	-	-	-	-	-	-	-	25	1,269	1,311	1,596	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	76	209	146	(145)	0.371	0.382	0.383	0.378	28	80	56	(55)
11	4	9	132	1,516	1,502	1,500	-	-	-	-	20	-	-	-	-	-	-	-	37	1,640	1,733	2,064	-	2	2	2	-	(2)	0	(3)	-	-	-	-	75	(125)	(234)	(563)	0.371	0.221	0.220	0.231	28	(28)	(52)	(130)
11	4	10	138	1,581	1,567	1,566	-	-	-	-	13	-	-	-	-	-	-	-	47	2,061	2,189	2,550	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	78	(477)	(617)	(979)	0.375	0.230	0.227	0.237	29	(110)	(140)	(232)
11	4	11	143	1,650	1,637	1,635	-	-	-	-	13	-	-	-	-	-	-	-	50	2,102	2,249	2,629	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	80	(447)	(601)	(987)	0.377	0.232	0.232	0.000	30	(104)	(140)	-
11	4	12	148	1,700	1,688	1,687	-	-	-	-	13	-	-	-	-	-	-	-	55	2,368	2,523	2,908	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	79	(654)	(821)	(1,207)	0.384	0.232	0.232	0.000	31	(152)	(191)	-
11	4	13	151	1,747	1,740	1,743	-	-	-	-	13	-	-	-	-	-	-	-	52	2,204	2,352	2,731	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	87	(444)	(598)	(972)	0.384	0.232	0.232	0.000	33	(103)	(139)	-
11	4	14	155	1,793	1,789	1,797	-	-	-	-	13	-	-	-	-	-	-	-	42	1,747	1,875	2,236	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	100	60	(72)	(427)	0.384	0.232	0.232	0.000	38	14	(17)	-
11	4	15	157	1,821	1,820	1,830	-	-	-	-	14	-	-	-	-	-	-	-	32	1,329	1,427	1,762	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	111	499	401	79	0.383	0.232	0.232	0.000	43	116	93	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	4	16	158	1,842	1,850	1,868	-	-	-	-	17	-	-	-	-	-	-	-	21	876	935	1,234	-	2	2	2	-	(3)	(3)	1	-	-	-	-	121	967	916	630	0.366	0.372	0.375	0.386	44	360	344	243
11	4	17	158	1,839	1,850	1,871	-	-	-	-	27	-	-	-	-	-	-	-	5	192	207	467	-	2	2	2	-	(2)	(0)	1	-	-	-	-	126	1,647	1,642	1,401	0.379	0.392	0.387	0.387	48	646	636	542
11	4	18	157	1,833	1,852	1,878	-	-	-	-	30	-	-	-	-	-	-	-	0	0	0	247	-	2	2	2	-	(1)	0	3	-	-	-	-	126	1,832	1,849	1,626	0.389	0.394	0.389	0.384	49	723	720	625
11	4	19	161	1,896	1,923	1,956	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	131	1,895	1,918	1,688	0.392	0.397	0.393	0.388	52	752	753	656
11	4	20	158	1,858	1,886	1,920	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	125	1,857	1,883	1,666	0.392	0.396	0.392	0.388	49	736	738	646
11	4	21	152	1,789	1,816	1,849	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	118	1,785	1,813	1,587	0.390	0.394	0.390	0.386	46	704	707	612
11	4	22	144	1,698	1,725	1,758	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	112	1,694	1,721	1,504	0.386	0.391	0.387	0.382	43	663	666	575
11	4	23	133	1,571	1,598	1,630	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	103	1,564	1,590	1,378	0.379	0.386	0.382	0.382	39	603	607	526
11	4	24	140	1,652	1,678	1,709	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	112	1,641	1,665	1,460	0.373	0.376	0.373	0.374	42	617	622	546
11	5	1	111	1,302	1,315	1,332	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	85	1,293	1,305	1,081	0.369	0.370	0.367	0.369	31	479	479	399
11	5	2	105	1,223	1,229	1,240	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	87	1,209	1,217	991	0.370	0.369	0.367	0.368	32	446	447	364
11	5	3	100	1,164	1,164	1,169	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	85	1,161	1,162	919	0.370	0.370	0.367	0.366	31	430	426	336
11	5	4	98	1,130	1,124	1,124	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,127	1,122	875	0.370	0.368	0.366	0.364	31	414	411	318
11	5	5	97	1,121	1,109	1,103	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	77	1,111	1,108	850	0.368	0.365	0.365	0.364	28	406	405	309
11	5	6	99	1,137	1,118	1,107	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	8	7	(3)	-	-	-	-	72	1,127	1,109	861	0.367	0.372	0.367	0.365	26	419	406	314
11	5	7	104	1,185	1,163	1,149	-	-	-	-	31	-	-	-	-	-	-	-	11	688	690	938	-	2	2	2	-	8	12	5	-	-	-	-	62	487	459	203	0.374	0.380	0.374	0.372	23	185	172	75
11	5	8	109	1,244	1,221	1,209	-	-	-	-	28	-	-	-	-	-	-	-	31	1,607	1,655	1,944	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	50	(360)	(434)	(736)	0.371	0.382	0.383	0.378	19	(138)	(166)	(278)
11	5	9	114	1,308	1,289	1,282	-	-	-	-	20	-	-	-	-	-	-	-	42	1,990	2,085	2,417	-	2	2	2	-	(2)	0	(3)	-	-	-	-	52	(683)	(799)	(1,134)	0.371	0.221	0.220	0.231	19	(151)	(176)	(262)
11	5	10	121	1,384	1,366	1,360	-	-	-	-	13	-	-	-	-	-	-	-	49	2,186	2,310	2,667	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	59	(799)	(939)	(1,302)	0.375	0.230	0.227	0.237	22	(183)	(213)	(309)
11	5	11	126	1,446	1,428	1,421	-	-	-	-	13	-	-	-	-	-	-	-	58	2,558	2,710	3,094	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	55	(1,108)	(1,271)	(1,665)	0.377	0.232	0.232	0.000	21	(257)	(295)	-
11	5	12	130	1,491	1,474	1,468	-	-	-	-	13	-	-	-	-	-	-	-	58	2,490	2,651	3,042	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	59	(984)	(1,162)	(1,559)	0.384	0.232	0.232	0.000	23	(229)	(270)	-
11	5	13	133	1,526	1,514	1,512	-	-	-	-	13	-	-	-	-	-	-	-	59	2,562	2,720	3,108	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	61	(1,023)	(1,192)	(1,581)	0.384	0.232	0.232	0.000	23	(238)	(277)	-
11	5	14	135	1,552	1,543	1,544	-	-	-	-	13	-	-	-	-	-	-	-	48	1,981	2,126	2,503	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	74	(415)	(570)	(946)	0.384	0.232	0.232	0.000	28	(96)	(132)	-
11	5	15	136	1,572	1,566	1,570	-	-	-	-	14	-	-	-	-	-	-	-	41	1,726	1,845	2,198	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	81	(147)	(271)	(617)	0.383	0.232	0.232	0.000	31	(34)	(63)	-
11	5	16	138	1,601	1,604	1,615	-	-	-	-	17	-	-	-	-	-	-	-	25	1,050	1,122	1,433	-	2	2	2	-	(3)	(3)	1	-	-	-	-	96	551	482	178	0.366	0.372	0.375	0.386	35	205	181	69
11	5	17	138	1,608	1,615	1,629	-	-	-	-	27	-	-	-	-	-	-	-	6	287	304	566	-	2	2	2	-	(2)	(0)	1	-	-	-	-	104	1,322	1,309	1,060	0.379	0.392	0.387	0.387	40	518	507	410
11	5	18	140	1,636	1,650	1,671	-	-	-	-	30	-	-	-	-	-	-	-	0	6	6	253	-	2	2	2	-	(1)	0	3	-	-	-	-	110	1,629	1,642	1,413	0.389	0.394	0.389	0.384	43	643	639	543
11	5	19	148	1,735	1,758	1,787	-	-	-	-	30	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	(1)	2	19	-	-	-	-	118	1,731	1,750	1,516	0.392	0.397	0.393	0.388	46	687	687	589
11	5	20	146	1,715	1,740	1,770	-	-	-	-	33	-	-	-	-	-	-	-	-	1	1	248	-	2	2	2	-	(1)	0	5	-	-	-	-	113	1,713	1,736	1,516	0.392	0.396	0.392	0.388	44	679	680	588
11	5	21	142	1,666	1,691	1,721	-	-	-	-	34	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	1	1	13	-	-	-	-	108	1,662	1,687	1,458	0.390	0.394	0.390	0.386	42	656	658	563
11	5	22	135	1,593	1,618	1,648	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	103	1,589	1,614	1,394	0.386	0.391	0.387	0.382	40	622	625	533
11	5	23	126	1,489	1,514	1,544	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	96	1,482	1,506	1,292	0.379	0.386	0.382	0.382	36	572	575	493
11	5	24	127	1,497	1,519	1,546	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	9	10	(0)	-	-	-	-	99	1,486	1,507	1,297	0.373	0.376	0.373	0.374	37	558	563	486
11	6	1	107	1,254	1,266	1,282	-	-	-	-	27	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	6	7	1	-	-	-	-	81	1,246	1,256	1,031	0.369	0.370	0.367	0.369	30	461	461	381
11	6	2	190	2,232	2,262	2,298	-	-	-	-	18	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	12	9	(1)	-	-	-	-	172	2,218	2,250	2,049	0.370	0.369	0.367	0.368	63	818	826	753
11	6	3	94	1,087	1,084	1,087	-	-	-	-	15	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	1	(1)	0	-	-	-	-	79	1,083	1,082	837	0.370	0.370	0.367	0.366	29	401	397	306
11	6	4	92	1,066	1,058	1,057	-	-	-	-	14	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	78	1,063	1,056	807	0.370	0.368	0.366	0.364	29	391	386	294
11	6	5	92	1,061	1,047	1,040	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	72	1,052	1,047	787	0.368	0.365	0.365	0.364	27	384	382	286
11	6	6	95	1,082	1,062	1,049	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	8	7	(3)	-	-	-	-	67	1,072	1,053	803	0.367	0.372	0.367	0.365	25	399	386	293
11	6	7	98	1,111	1,087	1,071	-	-	-	-	31	-	-	-	-	-	-	-	10	608	610	858	-	2	2	2	-	8	12	5	-	-	-	-	57	492	463	205	0.374	0.380	0.374	0.372	21	187	173	76
11	6	8	103	1,165	1,140	1,126	-	-	-	-	28	-	-	-	-	-	-	-	31	1,621	1,669	1,960	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	43	(453)	(530)	(834)	0.371	0.382	0.383	0.378	16	(173)	(203)	(315)
11	6	9	109	1,238	1,217	1,209	-	-	-	-	20	-	-	-	-	-	-	-	47	2,217	2,317	2,653	-	2	2	2	-	(2)	0	(3)	-	-	-	-	42	(980)	(1,102)	(1,444)	0.371	0.221	0.220	0.231	15	(217)	(243)	(333)
11	6	10	113	1,291	1,270	1,262	-	-	-	-	13	-	-	-	-	-	-	-	56	2,550	2,687	3,057	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	44	(1,256)	(1,412)	(1,790)	0.375	0.230	0.227	0.237	17	(288)	(320)	(424)
11	6	11	117	1,338	1,318	1,309	-	-	-	-	13	-	-	-	-	-	-	-	62	2,738	2,898	3,288	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	42	(1,396)	(1,569)	(1,973)	0.377	0.232	0.232	0.000	16	(324)	(364)	-
11	6	12	120	1,378	1,358	1,349	-	-	-	-	13	-	-	-	-	-	-	-	64	2,787	2,957	3,356	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	44	(1,395)	(1,585)	(1,993)	0.384	0.232	0.232	0.000	17	(324)	(368)	-
11	6	13	123	1,409	1,394	1,389	-	-	-	-	13	-	-	-	-	-	-	-	63	2,757	2,927	3,327	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	47	(1,335)	(1,519)	(1,923)	0.384	0.232	0.232	0.000	18	(310)	(353)	-
11	6	14	124	1,430	1,418	1,416	-	-	-	-	13	-	-	-	-	-	-	-	60	2,609	2,769	3,160	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	52	(1,165)	(1,338)	(1,731)	0.384	0.232	0.232	0.000	20	(270)	(311)	-
11	6	15	125	1,441	1,432	1,432	-	-	-	-	14	-	-	-	-	-	-	-	52	2,308	2,440	2,805	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	60	(860)	(1,000)	(1,362)	0.383	0.232	0.232	0.000	23	(200)	(232)	-
11	6	16	126	1,462	1,460	1,468	-	-	-	-	17	-	-	-	-	-	-	-	33	1,546	1,623	1,939	-	2	2	2	-	(3)	(3)	1	-	-	-	-	76	(84)	(162)	(475)	0.366	0.372	0.375	0.386	28	(31)	(61)	(183)
11	6	17	131	1,519	1,523	1,535	-	-	-	-	27	-	-	-	-	-	-	-	9	449	466	728	-	2	2	2	-	(2)	(0)	1	-	-	-	-	94	1,069	1,055	804	0.379	0.392	0.387	0.387	36	419	408	311
11	6	18	145	1,702	1,717	1,740	-	-	-	-	30	-	-	-	-	-	-	-	0	9	9	256	-	2	2	2	-	(1)	0	3	-	-	-	-	115	1,691	1,705	1,479	0.389	0.394	0.389	0.384	45	667	664	568
11	6	19	148	1,734	1,757	1,786	-	-	-	-	30	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	(1)	2	19	-	-	-	-	118	1,726	1,745	1,511	0.392	0.397	0.393	0.388	46	685	685	587
11	6	20	144	1,698	1,722	1,753	-	-	-	-	33	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	(1)	0	5	-	-	-	-	112	1,694	1,716	1,495	0.392	0.396	0.392	0.388	44	671	673	580
11	6	21	138	1,626	1,649	1,678	-	-	-	-	34	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	1	1	13	-	-	-	-	105	1,618	1,641	1,412	0.390	0.394	0.390	0.386	41	638	640	545
11	6	22	129	1,515	1,538	1,566	-	-	-	-	32	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	1	1	4	-	-	-	-	96	1,503	1,526	1,304	0.386	0.391	0.387	0.382	37	588	591	498
11	6	23	117	1,384	1,406	1,433	-	-	-	-	30	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	5	6	2	-	-	-	-	87	1,368	1,389	1,172	0.379	0.386	0.382	0.382	33	528	531	447
11	6	24	118	1,383	1,403	1,427	-	-	-	-	28	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	9	10	(0)	-	-	-	-	90	1,364	1,382	1,170	0.373	0.376	0.373	0.374	33	513	516	438
11	7	1	101	1,177	1,186	1,200	-	-	-	-	27	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	6	7	1	-	-	-	-	74	1,158	1,167	940	0.369	0.370	0.367	0.369	27	429	428	347
11	7	2	96	1,117	1,120	1,128	-	-	-	-	18	-	-	-	-	-	-	-	-	12	12	259	-	2	2	2	-	12	9	(1)	-	-	-	-	78	1,091	1,096	867	0.370	0.369	0.367	0.368	29	402	402	319
11	7	3	94	1,087	1,084	1,087	-	-	-	-	15	-	-	-	-	-	-	-	-	14	14	261	-	2	2	2	-	1	(1)	0	-	-	-	-	79	1,069	1,069	824	0.370	0.370	0.367	0.366	29	396	392	301
11	7	4	94	1,080	1,073	1,072	-	-	-	-	14	-	-	-	-	-	-	-	-	12	12	259	-	2	2	2	-	0	(0)	(0)	-	-	-	-	80	1,065	1,059	810	0.370	0.368	0.366	0.364	29	391	387	295
11	7	5	97	1,113	1,101	1,096	-	-	-	-	20	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	7	(2)	4	-	-	-	-	77	1,094	1,091	833	0.368	0.365	0.365	0.364	28	400	398	303
11	7	6	106	1,210	1,193	1,184	-	-	-	-	28	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	8	7	(3)	-	-	-	-	78	1,190	1,174	927	0.367	0.372	0.367	0.365	29	442	430	339
11	7	7	117	1,344	1,325	1,316	-	-	-	-	31	-	-	-	-	-	-	-	10	620	621	870	-	2	2	2	-	8	12	5	-	-	-	-	77	714	690	438	0.374	0.380	0.374	0.372	29	271	258	163
11	7	8	125	1,428	1,409	1,402	-	-	-	-	28	-	-	-	-	-	-	-	31	1,601	1,649	1,939	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	66	(171)	(240)	(538)	0.371	0.382	0.383	0.378	25	(65)	(92)	(203)
11	7	9	130	1,491	1,476	1,474	-	-	-	-	20	-	-	-	-	-	-	-	46	2,201	2,300	2,636	-	2	2	2	-	(2)	0	(3)	-	-	-	-	63	(711)	(826)	(1,161)	0.371	0.221	0.220	0.231	23	(157)	(182)	(268)
11	7	10	136	1,565	1,552	1,551	-	-	-	-	13	-	-	-	-	-	-	-	56	2,558	2,694	3,063	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	67	(989)	(1,138)	(1,507)	0.375	0.230	0.227	0.237	25	(227)	(258)	(357)
11	7	11	141	1,626	1,613	1,611	-	-	-	-	13	-	-	-	-	-	-	-	61	2,710	2,869	3,258	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	67	(1,079)	(1,244)	(1,640)	0.377	0.232	0.232	0.000	25	(251)	(289)	-
11	7	12	146	1,681	1,669	1,668	-	-	-	-	13	-	-	-	-	-	-	-	63	2,783	2,950	3,347	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	70	(1,088)	(1,268)	(1,665)	0.384	0.232	0.232	0.000	27	(253)	(294)	-
11	7	13	149	1,720	1,712	1,715	-	-	-	-	13	-	-	-	-	-	-	-	63	2,731	2,899	3,296	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	74	(998)	(1,173)	(1,566)	0.384	0.232	0.232	0.000	28	(232)	(272)	-
11	7	14	152	1,758	1,754	1,761	-	-	-	-	13	-	-	-	-	-	-	-	59	2,562	2,719	3,106	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	81	(790)	(951)	(1,332)	0.384	0.232	0.232	0.000	31	(183)	(221)	-
11	7	15	153	1,770	1,768	1,777	-	-	-	-	14	-	-	-	-	-	-	-	49	2,143	2,272	2,634	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	90	(366)	(496)	(846)	0.383	0.232	0.232	0.000	35	(85)	(115)	-
11	7	16	153	1,779	1,786	1,802	-	-	-	-	17	-	-	-	-	-	-	-	30	1,346	1,422	1,737	-	2	2	2	-	(3)	(3)	1	-	-	-	-	106	433	364	62	0.366	0.372	0.375	0.386	39	161	137	24
11	7	17	154	1,791	1,802	1,821	-	-	-	-	27	-	-	-	-	-	-	-	7	340	355	615	-	2	2	2	-	(2)	(0)	1	-	-	-	-	119	1,452	1,445	1,203	0.379	0.392	0.387	0.387	45	569	559	466
11	7	18	165	1,931	1,952	1,981	-	-	-	-	30	-	-	-	-	-	-	-	0	0	0	247	-	2	2	2	-	(1)	0	3	-	-	-	-	135	1,930	1,950	1,729	0.389	0.394	0.389	0.384	52	761	759	665
11	7	19	165	1,938	1,966	2,000	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	135	1,937	1,961	1,732	0.392	0.397	0.393	0.388	53	768	770	673
11	7	20	160	1,880	1,908	1,943	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	127	1,879	1,906	1,689	0.392	0.396	0.392	0.388	50	744	747	655
11	7	21	152	1,790	1,818	1,851	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	119	1,787	1,814	1,589	0.390	0.394	0.390	0.386	46	705	708	613
11	7	22	141	1,662	1,689	1,721	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	109	1,659	1,685	1,467	0.386	0.391	0.387	0.382	42	649	652	561
11	7	23	128	1,505	1,530	1,560	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	98	1,498	1,522	1,308	0.379	0.386	0.382	0.382	37	578	581	499
11	7	24	137	1,609	1,634	1,664	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	109	1,598	1,622	1,415	0.373	0.376	0.373	0.374	41	601	605	530
11	8	1	107	1,256	1,267	1,283	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	81	1,247	1,258	1,032	0.369	0.370	0.367	0.369	30	462	461	381
11	8	2	102	1,188	1,192	1,202	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,174	1,181	953	0.370	0.369	0.367	0.368	31	433	433	350
11	8	3	99	1,148	1,147	1,151	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	84	1,144	1,145	902	0.370	0.370	0.367	0.366	31	424	420	330
11	8	4	98	1,136	1,131	1,131	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,133	1,128	881	0.370	0.368	0.366	0.364	31	417	413	321
11	8	5	101	1,158	1,146	1,142	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	80	1,148	1,146	889	0.368	0.365	0.365	0.364	30	420	419	323
11	8	6	109	1,248	1,232	1,224	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	8	7	(3)	-	-	-	-	81	1,238	1,223	977	0.367	0.372	0.367	0.365	30	460	448	357
11	8	7	121	1,382	1,364	1,356	-	-	-	-	31	-	-	-	-	-	-	-	7	436	437	685	-	2	2	2	-	8	12	5	-	-	-	-	83	936	914	664	0.374	0.380	0.374	0.372	31	355	342	247
11	8	8	128	1,464	1,446	1,440	-	-	-	-	28	-	-	-	-	-	-	-	26	1,380	1,420	1,703	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	73	87	26	(263)	0.371	0.382	0.383	0.378	27	33	10	(99)
11	8	9	134	1,535	1,522	1,521	-	-	-	-	20	-	-	-	-	-	-	-	42	2,017	2,105	2,430	-	2	2	2	-	(2)	0	(3)	-	-	-	-	71	(483)	(586)	(908)	0.371	0.221	0.220	0.231	26	(107)	(129)	(210)
11	8	10	142	1,632	1,620	1,621	-	-	-	-	13	-	-	-	-	-	-	-	52	2,378	2,499	2,855	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	78	(742)	(874)	(1,229)	0.375	0.230	0.227	0.237	29	(170)	(198)	(291)
11	8	11	149	1,721	1,709	1,710	-	-	-	-	13	-	-	-	-	-	-	-	59	2,631	2,777	3,155	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	77	(906)	(1,056)	(1,438)	0.377	0.232	0.232	0.000	29	(210)	(245)	-
11	8	12	156	1,801	1,791	1,793	-	-	-	-	13	-	-	-	-	-	-	-	61	2,721	2,879	3,266	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	82	(907)	(1,074)	(1,459)	0.384	0.232	0.232	0.000	32	(211)	(249)	-
11	8	13	162	1,873	1,869	1,876	-	-	-	-	13	-	-	-	-	-	-	-	61	2,698	2,853	3,239	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	89	(813)	(971)	(1,349)	0.384	0.232	0.232	0.000	34	(189)	(225)	-
11	8	14	167	1,942	1,943	1,954	-	-	-	-	13	-	-	-	-	-	-	-	55	2,461	2,600	2,971	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	100	(504)	(644)	(1,005)	0.384	0.232	0.232	0.000	38	(117)	(149)	-
11	8	15	172	1,993	1,997	2,012	-	-	-	-	14	-	-	-	-	-	-	-	42	1,911	2,011	2,347	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	116	90	(6)	(325)	0.383	0.232	0.232	0.000	44	21	(1)	-
11	8	16	173	2,017	2,029	2,051	-	-	-	-	17	-	-	-	-	-	-	-	26	1,240	1,295	1,591	-	2	2	2	-	(3)	(3)	1	-	-	-	-	130	778	735	456	0.366	0.372	0.375	0.386	48	289	276	176
11	8	17	172	2,007	2,023	2,048	-	-	-	-	27	-	-	-	-	-	-	-	5	289	296	549	-	2	2	2	-	(2)	(0)	1	-	-	-	-	139	1,719	1,726	1,496	0.379	0.392	0.387	0.387	53	674	668	579
11	8	18	178	2,085	2,110	2,143	-	-	-	-	30	-	-	-	-	-	-	-	0	0	0	247	-	2	2	2	-	(1)	0	3	-	-	-	-	148	2,084	2,107	1,891	0.389	0.394	0.389	0.384	57	822	820	727
11	8	19	175	2,058	2,088	2,126	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	2	19	-	-	-	-	145	2,056	2,083	1,858	0.392	0.397	0.393	0.388	57	816	818	722
11	8	20	168	1,983	2,014	2,051	-	-	-	-	33	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	0	5	-	-	-	-	136	1,981	2,011	1,797	0.392	0.396	0.392	0.388	53	785	788	697
11	8	21	160	1,890	1,919	1,955	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	127	1,886	1,916	1,693	0.390	0.394	0.390	0.386	50	744	748	653
11	8	22	150	1,768	1,797	1,831	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	118	1,764	1,793	1,577	0.386	0.391	0.387	0.382	45	690	694	603
11	8	23	137	1,613	1,641	1,674	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	107	1,606	1,633	1,422	0.379	0.386	0.382	0.382	40	619	624	543
11	8	24	149	1,755	1,784	1,817	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	121	1,744	1,771	1,568	0.373	0.376	0.373	0.374	45	655	661	587
11	9	1	114	1,336	1,349	1,367	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	87	1,327	1,340	1,116	0.369	0.370	0.367	0.369	32	491	491	413
11	9	2	107	1,250	1,256	1,267	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	89	1,236	1,244	1,019	0.370	0.369	0.367	0.368	33	456	457	374

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	9	3	103	1,194	1,194	1,200	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	88	1,190	1,193	951	0.370	0.370	0.367	0.366	32	441	437	348
11	9	4	102	1,174	1,170	1,171	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	88	1,172	1,167	922	0.370	0.368	0.366	0.364	32	431	427	335
11	9	5	103	1,191	1,181	1,177	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	83	1,182	1,180	924	0.368	0.365	0.365	0.364	31	432	431	336
11	9	6	111	1,277	1,261	1,254	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	8	7	(3)	-	-	-	-	84	1,267	1,252	1,007	0.367	0.372	0.367	0.365	31	471	459	368
11	9	7	123	1,410	1,392	1,385	-	-	-	-	31	-	-	-	-	-	-	-	5	312	313	560	-	2	2	2	-	8	12	5	-	-	-	-	87	1,087	1,066	817	0.374	0.380	0.374	0.372	33	413	399	303
11	9	8	132	1,510	1,494	1,489	-	-	-	-	28	-	-	-	-	-	-	-	15	811	831	1,096	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	89	702	662	392	0.371	0.382	0.383	0.378	33	268	254	148
11	9	9	140	1,607	1,595	1,596	-	-	-	-	20	-	-	-	-	-	-	-	18	811	860	1,150	-	2	2	2	-	(2)	0	(3)	-	-	-	-	101	795	733	446	0.371	0.221	0.220	0.231	37	176	161	103
11	9	10	150	1,731	1,722	1,725	-	-	-	-	13	-	-	-	-	-	-	-	17	515	588	900	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	121	1,220	1,138	830	0.375	0.230	0.227	0.237	45	280	258	197
11	9	11	161	1,858	1,850	1,854	-	-	-	-	13	-	-	-	-	-	-	-	30	1,200	1,301	1,637	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	117	662	561	224	0.377	0.232	0.232	0.000	44	154	130	-
11	9	12	169	1,957	1,951	1,957	-	-	-	-	13	-	-	-	-	-	-	-	39	1,640	1,756	2,107	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	117	331	209	(136)	0.384	0.232	0.232	0.000	45	77	49	-
11	9	13	177	2,048	2,048	2,060	-	-	-	-	13	-	-	-	-	-	-	-	36	1,466	1,577	1,924	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	128	596	485	150	0.384	0.232	0.232	0.000	49	138	113	-
11	9	14	185	2,146	2,151	2,167	-	-	-	-	13	-	-	-	-	-	-	-	20	679	765	1,089	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	152	1,481	1,399	1,090	0.384	0.232	0.232	0.000	58	344	325	-
11	9	15	190	2,212	2,221	2,241	-	-	-	-	14	-	-	-	-	-	-	-	16	535	602	909	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	161	1,684	1,627	1,343	0.383	0.232	0.232	0.000	61	391	378	-
11	9	16	192	2,241	2,258	2,286	-	-	-	-	17	-	-	-	-	-	-	-	12	465	509	795	-	2	2	2	-	(3)	(3)	1	-	-	-	-	163	1,776	1,749	1,487	0.366	0.372	0.375	0.386	60	660	656	574
11	9	17	189	2,206	2,226	2,256	-	-	-	-	27	-	-	-	-	-	-	-	2	90	97	350	-	2	2	2	-	(2)	(0)	1	-	-	-	-	160	2,115	2,127	1,903	0.379	0.392	0.387	0.387	61	830	823	737
11	9	18	191	2,239	2,268	2,305	-	-	-	-	30	-	-	-	-	-	-	-	-	40	40	287	-	2	2	2	-	(1)	0	3	-	-	-	-	161	2,199	2,225	2,013	0.389	0.394	0.389	0.384	63	867	866	774
11	9	19	186	2,183	2,216	2,257	-	-	-	-	30	-	-	-	-	-	-	-	-	58	58	305	-	2	2	2	-	(1)	2	19	-	-	-	-	156	2,124	2,154	1,932	0.392	0.397	0.393	0.388	61	843	846	750
11	9	20	177	2,085	2,119	2,159	-	-	-	-	33	-	-	-	-	-	-	-	-	64	64	311	-	2	2	2	-	(1)	0	5	-	-	-	-	144	2,020	2,051	1,840	0.392	0.396	0.392	0.388	57	800	804	714
11	9	21	168	1,979	2,011	2,049	-	-	-	-	34	-	-	-	-	-	-	-	-	60	60	307	-	2	2	2	-	1	1	13	-	-	-	-	134	1,916	1,948	1,727	0.390	0.394	0.390	0.386	52	755	760	666
11	9	22	155	1,828	1,859	1,895	-	-	-	-	32	-	-	-	-	-	-	-	-	51	51	298	-	2	2	2	-	1	1	4	-	-	-	-	123	1,773	1,804	1,590	0.386	0.391	0.387	0.382	47	694	698	608
11	9	23	140	1,653	1,682	1,715	-	-	-	-	30	-	-	-	-	-	-	-	-	44	44	291	-	2	2	2	-	5	6	2	-	-	-	-	110	1,602	1,629	1,420	0.379	0.386	0.382	0.382	42	618	622	542
11	9	24	159	1,874	1,906	1,943	-	-	-	-	28	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	9	10	(0)	-	-	-	-	131	1,820	1,850	1,650	0.373	0.376	0.373	0.374	49	684	691	618
11	10	1	116	1,362	1,376	1,395	-	-	-	-	27	-	-	-	-	-	-	-	-	45	45	292	-	2	2	2	-	6	7	1	-	-	-	-	90	1,308	1,321	1,099	0.369	0.370	0.367	0.369	33	484	485	406
11	10	2	110	1,280	1,287	1,299	-	-	-	-	18	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	12	9	(1)	-	-	-	-	91	1,223	1,232	1,007	0.370	0.369	0.367	0.368	34	451	452	370
11	10	3	105	1,225	1,226	1,233	-	-	-	-	15	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	1	(1)	0	-	-	-	-	90	1,178	1,181	940	0.370	0.370	0.367	0.366	33	436	433	344
11	10	4	104	1,199	1,195	1,197	-	-	-	-	14	-	-	-	-	-	-	-	-	44	44	291	-	2	2	2	-	0	(0)	(0)	-	-	-	-	90	1,152	1,149	904	0.370	0.368	0.366	0.364	33	424	420	329
11	10	5	105	1,214	1,204	1,201	-	-	-	-	20	-	-	-	-	-	-	-	-	45	45	292	-	2	2	2	-	7	(2)	4	-	-	-	-	85	1,160	1,159	903	0.368	0.365	0.365	0.364	31	424	423	329
11	10	6	113	1,302	1,287	1,280	-	-	-	-	28	-	-	-	-	-	-	-	-	39	39	286	-	2	2	2	-	8	7	(3)	-	-	-	-	86	1,253	1,239	995	0.367	0.372	0.367	0.365	31	466	454	363
11	10	7	124	1,424	1,407	1,399	-	-	-	-	31	-	-	-	-	-	-	-	9	575	576	824	-	2	2	2	-	8	12	5	-	-	-	-	85	838	816	567	0.374	0.380	0.374	0.372	32	318	306	211
11	10	8	132	1,516	1,499	1,494	-	-	-	-	28	-	-	-	-	-	-	-	30	1,616	1,660	1,946	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	74	(98)	(161)	(452)	0.371	0.382	0.383	0.378	28	(37)	(62)	(171)
11	10	9	140	1,609	1,597	1,598	-	-	-	-	20	-	-	-	-	-	-	-	45	2,201	2,290	2,617	-	2	2	2	-	(2)	0	(3)	-	-	-	-	74	(592)	(695)	(1,018)	0.371	0.221	0.220	0.231	28	(131)	(153)	(235)
11	10	10	150	1,732	1,722	1,725	-	-	-	-	13	-	-	-	-	-	-	-	54	2,568	2,688	3,042	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	83	(832)	(961)	(1,311)	0.375	0.230	0.227	0.237	31	(191)	(218)	(311)
11	10	11	160	1,848	1,840	1,843	-	-	-	-	13	-	-	-	-	-	-	-	60	2,745	2,885	3,257	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	87	(892)	(1,033)	(1,407)	0.377	0.232	0.232	0.000	33	(207)	(240)	-
11	10	12	168	1,939	1,933	1,938	-	-	-	-	13	-	-	-	-	-	-	-	60	2,756	2,900	3,276	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	95	(804)	(954)	(1,324)	0.384	0.232	0.232	0.000	36	(187)	(222)	-
11	10	13	174	2,019	2,019	2,029	-	-	-	-	13	-	-	-	-	-	-	-	60	2,754	2,897	3,272	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	101	(721)	(864)	(1,228)	0.384	0.232	0.232	0.000	39	(167)	(201)	-
11	10	14	180	2,095	2,099	2,114	-	-	-	-	13	-	-	-	-	-	-	-	57	2,631	2,763	3,129	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	111	(521)	(651)	(1,003)	0.384	0.232	0.232	0.000	43	(121)	(151)	-
11	10	15	184	2,146	2,153	2,171	-	-	-	-	14	-	-	-	-	-	-	-	49	2,307	2,415	2,758	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	122	(154)	(254)	(576)	0.383	0.232	0.232	0.000	47	(36)	(59)	-
11	10	16	185	2,165	2,180	2,206	-	-	-	-	17	-	-	-	-	-	-	-	31	1,509	1,573	1,878	-	2	2	2	-	(3)	(3)	1	-	-	-	-	138	657	608	325	0.366	0.372	0.375	0.386	50	244	228	125
11	10	17	181	2,121	2,139	2,167	-	-	-	-	27	-	-	-	-	-	-	-	7	400	409	665	-	2	2	2	-	(2)	(0)	1	-	-	-	-	147	1,721	1,728	1,499	0.379	0.392	0.387	0.387	56	675	669	580
11	10	18	184	2,157	2,183	2,218	-	-	-	-	30	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	(1)	0	3	-	-	-	-	154	2,118	2,143	1,928	0.389	0.394	0.389	0.384	60	835	834	741
11	10	19	178	2,093	2,124	2,163	-	-	-	-	30	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	(1)	2	19	-	-	-	-	148	2,056	2,084	1,859	0.392	0.397	0.393	0.388	58	816	818	722
11	10	20	170	1,998	2,029	2,067	-	-	-	-	33	-	-	-	-	-	-	-	-	26	26	273	-	2	2	2	-	(1)	0	5	-	-	-	-	137	1,971	2,000	1,787	0.392	0.396	0.392	0.388	54	781	784	693
11	10	21	161	1,898	1,928	1,963	-	-	-	-	34	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	1	1	13	-	-	-	-	128	1,870	1,900	1,677	0.390	0.394	0.390	0.386	50	737	741	647
11	10	22	151	1,774	1,804	1,838	-	-	-	-	32	-	-	-	-	-	-	-	-	31	31	278	-	2	2	2	-	1	1	4	-	-	-	-	118	1,740	1,769	1,553	0.386	0.391	0.387	0.382	46	681	685	594
11	10	23	137	1,618	1,646	1,679	-	-	-	-	30	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	5	6	2	-	-	-	-	107	1,576	1,603	1,392	0.379	0.386	0.382	0.382	41	608	612	531
11	10	24	157	1,846	1,876	1,912	-	-	-	-	28	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	9	10	(0)	-	-	-	-	129	1,797	1,826	1,625	0.373	0.376	0.373	0.374	48	675	682	608
11	11	1	114	1,339	1,353	1,371	-	-	-	-	27	-	-	-	-	-	-	-	-	48	48	295	-	2	2	2	-	6	7	1	-	-	-	-	88	1,283	1,296	1,072	0.369	0.370	0.367	0.369	32	475	475	396
11	11	2	108	1,257	1,263	1,275	-	-	-	-	18	-	-	-	-	-	-	-	-	47	47	294	-	2	2	2	-	12	9	(1)	-	-	-	-	89	1,196	1,205	979	0.370	0.369	0.367	0.368	33	441	442	360
11	11	3	104	1,202	1,203	1,209	-	-	-	-	15	-	-	-	-	-	-	-	-	52	52	299	-	2	2	2	-	1	(1)	0	-	-	-	-	88	1,146	1,149	907	0.370	0.370	0.367	0.366	33	425	421	332
11	11	4	102	1,175	1,171	1,172	-	-	-	-	14	-	-	-	-	-	-	-	-	47	47	294	-	2	2	2	-	0	(0)	(0)	-	-	-	-	88	1,126	1,122	876	0.370	0.368	0.366	0.364	32	414	410	319
11	11	5	103	1,183	1,172	1,168	-	-	-	-	20	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	7	(2)	4	-	-	-	-	83	1,131	1,128	872	0.368	0.365	0.365	0.364	30	413	412	317
11	11	6	109	1,250	1,234	1,226	-	-	-	-	28	-	-	-	-	-	-	-	-	40	40	287	-	2	2	2	-	8	7	(3)	-	-	-	-	81	1,200	1,185	939	0.367	0.372	0.367	0.365	30	446	434	343
11	11	7	117	1,335	1,316	1,306	-	-	-	-	31	-	-	-	-	-	-	-	8	540	542	790	-	2	2	2	-	8	12	5	-	-	-	-	78	784	761	509	0.374	0.380	0.374	0.372	29	298	285	189
11	11	8	124	1,423	1,404	1,396	-	-	-	-	28	-	-	-	-	-	-	-	27	1,501	1,534	1,810	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(76)	(131)	(415)	0.371	0.382	0.383	0.378	26	(29)	(50)	(157)
11	11	9	133	1,532	1,519	1,517	-	-	-	-	20	-	-	-	-	-	-	-	41	2,120	2,190	2,500	-	2	2	2	-	(2)	0	(3)	-	-	-	-	72	(589)	(675)	(982)	0.371	0.221	0.220	0.231	27	(130)	(148)	(227)
11	11	10	142	1,635	1,623	1,624	-	-	-	-	13	-	-	-	-	-	-	-	47	2,302	2,402	2,738	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	82	(662)	(774)	(1,109)	0.375	0.230	0.227	0.237	31	(152)	(176)	(263)
11	11	11	150	1,732	1,721	1,722	-	-	-	-	13	-	-	-	-	-	-	-	49	2,291	2,406	2,755	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	88	(555)	(673)	(1,026)	0.377	0.232	0.232	0.000	33	(129)	(156)	-
11	11	12	156	1,805	1,795	1,797	-	-	-	-	13	-	-	-	-	-	-	-	49	2,234	2,360	2,719	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	95	(415)	(550)	(907)	0.384	0.232	0.232	0.000	36	(96)	(128)	-
11	11	13	161	1,866	1,862	1,868	-	-	-	-	13	-	-	-	-	-	-	-	36	1,549	1,658	2,002	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	113	330	218	(118)	0.384	0.232	0.232	0.000	43	77	51	-
11	11	14	166	1,929	1,929	1,939	-	-	-	-	13	-	-	-	-	-	-	-	30	1,293	1,385	1,715	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	124	651	557	237	0.384	0.232	0.232	0.000	47	151	129	-
11	11	15	170	1,973	1,977	1,991	-	-	-	-	14	-	-	-	-	-	-	-	22	932	1,004	1,315	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	134	1,049	981	687	0.383	0.232	0.232	0.000	51	243	228	-
11	11	16	171	1,988	1,999	2,020	-	-	-	-	17	-	-	-	-	-	-	-	13	603	646	931	-	2	2	2	-	(3)	(3)	1	-	-	-	-	141	1,386	1,354	1,086	0.366	0.372	0.375	0.386	52	515	508	419
11	11	17	168	1,960	1,975	1,998	-	-	-	-	27	-	-	-	-	-	-	-	2	154	160	413	-	2	2	2	-	(2)	(0)	1	-	-	-	-	139	1,807	1,813	1,582	0.379	0.392	0.387	0.387	53	709	702	612
11	11	18	172	2,018	2,041	2,072	-	-	-	-	30	-	-	-	-	-	-	-	-	86	86	333	-	2	2	2	-	(1)	0	3	-	-	-	-	142	1,931	1,953	1,734	0.389	0.394	0.389	0.384	55	762	760	667
11	11	19	167	1,965	1,993	2,029	-	-	-	-	30	-	-	-	-	-	-	-	-	80	80	327	-	2	2	2	-	(1)	2	19	-	-	-	-	137	1,884	1,909	1,680	0.392	0.397	0.393	0.388	54	747	749	653
11	11	20	160	1,880	1,908	1,943	-	-	-	-	33	-	-	-	-	-	-	-	-	56	56	303	-	2	2	2	-	(1)	0	5	-	-	-	-	127	1,822	1,849	1,633	0.392	0.396	0.392	0.388	50	722	725	633
11	11	21	152	1,793	1,820	1,853	-	-	-	-	34	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	1	1	13	-	-	-	-	119	1,751	1,778	1,553	0.390	0.394	0.390	0.386	46	690	694	599
11	11	22	143	1,687	1,714	1,747	-	-	-	-	32	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	1	1	4	-	-	-	-	111	1,645	1,672	1,455	0.386	0.391	0.387	0.382	43	644	647	556
11	11	23	132	1,552	1,579	1,610	-	-	-	-	30	-	-	-	-	-	-	-	-	51	51	298	-	2	2	2	-	5	6	2	-	-	-	-	102	1,494	1,520	1,307	0.379	0.386	0.382	0.382	38	576	581	499
11	11	24	146	1,721	1,749	1,782	-	-	-	-	28	-	-	-	-	-	-	-	-	66	66	313	-	2	2	2	-	9	10	(0)	-	-	-	-	118	1,644	1,671	1,467	0.373	0.376	0.373	0.374	44	618	624	549
11	12	1	111	1,302	1,315	1,332	-	-	-	-	27	-	-	-	-	-	-	-	-	74	74	321	-	2	2	2	-	6	7	1	-	-	-	-	85	1,220	1,232	1,008	0.369	0.370	0.367	0.369	31	452	452	372
11	12	2	105	1,222	1,228	1,238	-	-	-	-	18	-	-	-	-	-	-	-	-	78	78	325	-	2	2	2	-	12	9	(1)	-	-	-	-	86	1,130	1,138	911	0.370	0.369	0.367	0.368	32	417	417	335
11	12	3	101	1,170	1,170	1,175	-	-	-	-	15	-	-	-	-	-	-	-	-	74	74	321	-	2	2	2	-	1	(1)	0	-	-	-	-	86	1,093	1,094	852	0.370	0.370	0.367	0.366	32	405	401	312
11	12	4	99	1,140	1,134	1,134	-	-	-	-	14	-	-	-	-	-	-	-	-	76	76	323	-	2	2	2	-	0	(0)	(0)	-	-	-	-	85	1,060	1,055	809	0.370	0.368	0.366	0.364	31	390	386	294
11	12	5	99	1,134	1,122	1,117	-	-	-	-	20	-	-	-	-	-	-	-	-	65	65	312	-	2	2	2	-	7	(2)	4	-	-	-	-	78	1,060	1,056	799	0.368	0.365	0.365	0.364	29	387	386	291
11	12	6	102	1,162	1,144	1,133	-	-	-	-	28	-	-	-	-	-	-	-	-	53	53	300	-	2	2	2	-	8	7	(3)	-	-	-	-	74	1,099	1,082	834	0.367	0.372	0.367	0.365	27	409	396	304
11	12	7	105	1,196	1,173	1,160	-	-	-	-	31	-	-	-	-	-	-	-	7	488	489	737	-	2	2	2	-	8	12	5	-	-	-	-	67	697	671	416	0.374	0.380	0.374	0.372	25	265	251	154
11	12	8	110	1,250	1,227	1,215	-	-	-	-	28	-	-	-	-	-	-	-	27	1,418	1,460	1,745	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	55	(165)	(234)	(531)	0.371	0.382	0.383	0.378	20	(63)	(90)	(200)
11	12	9	118	1,350	1,332	1,326	-	-	-	-	20	-	-	-	-	-	-	-	44	2,136	2,229	2,558	-	2	2	2	-	(2)	0	(3)	-	-	-	-	54	(787)	(899)	(1,232)	0.371	0.221	0.220	0.231	20	(174)	(198)	(284)
11	12	10	125	1,434	1,417	1,412	-	-	-	-	13	-	-	-	-	-	-	-	55	2,548	2,674	3,034	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	58	(1,110)	(1,252)	(1,617)	0.375	0.230	0.227	0.237	22	(255)	(284)	(383)
11	12	11	131	1,497	1,480	1,475	-	-	-	-	13	-	-	-	-	-	-	-	61	2,785	2,934	3,315	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	56	(1,283)	(1,442)	(1,832)	0.377	0.232	0.232	0.000	21	(298)	(335)	-
11	12	12	134	1,535	1,520	1,515	-	-	-	-	13	-	-	-	-	-	-	-	63	2,811	2,971	3,362	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	58	(1,262)	(1,438)	(1,833)	0.384	0.232	0.232	0.000	22	(293)	(334)	-
11	12	13	136	1,566	1,554	1,553	-	-	-	-	13	-	-	-	-	-	-	-	63	2,807	2,968	3,358	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	60	(1,228)	(1,400)	(1,790)	0.384	0.232	0.232	0.000	23	(285)	(325)	-
11	12	14	137	1,586	1,578	1,580	-	-	-	-	13	-	-	-	-	-	-	-	59	2,661	2,808	3,187	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	66	(1,061)	(1,217)	(1,594)	0.384	0.232	0.232	0.000	25	(246)	(282)	-
11	12	15	138	1,594	1,588	1,593	-	-	-	-	14	-	-	-	-	-	-	-	51	2,343	2,464	2,820	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	73	(742)	(868)	(1,217)	0.383	0.232	0.232	0.000	28	(172)	(202)	-
11	12	16	139	1,611	1,613	1,625	-	-	-	-	17	-	-	-	-	-	-	-	33	1,540	1,614	1,926	-	2	2	2	-	(3)	(3)	1	-	-	-	-	89	71	(0)	(305)	0.366	0.372	0.375	0.386	33	26	(0)	(118)
11	12	17	142	1,650	1,657	1,673	-	-	-	-	27	-	-	-	-	-	-	-	7	369	380	637	-	2	2	2	-	(2)	(0)	1	-	-	-	-	107	1,281	1,276	1,034	0.379	0.392	0.387	0.387	41	503	494	400
11	12	18	152	1,782	1,799	1,824	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	0	3	-	-	-	-	122	1,781	1,797	1,572	0.389	0.394	0.389	0.384	48	702	699	604
11	12	19	152	1,781	1,804	1,835	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	122	1,779	1,800	1,567	0.392	0.397	0.393	0.388	48	706	707	609
11	12	20	147	1,727	1,752	1,783	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	114	1,726	1,749	1,529	0.392	0.396	0.392	0.388	45	684	686	593
11	12	21	141	1,664	1,688	1,718	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	108	1,660	1,685	1,456	0.390	0.394	0.390	0.386	42	655	657	562
11	12	22	134	1,581	1,606	1,635	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	102	1,577	1,602	1,382	0.386	0.391	0.387	0.382	39	617	620	528
11	12	23	125	1,476	1,501	1,530	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	95	1,469	1,492	1,278	0.379	0.386	0.382	0.382	36	566	570	488
11	12	24	130	1,526	1,549	1,576	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	9	10	(0)	-	-	-	-	102	1,514	1,536	1,327	0.373	0.376	0.373	0.374	38	569	573	497
11	13	1	107	1,254	1,266	1,282	-	-	-	-	27	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	6	7	1	-	-	-	-	81	1,242	1,253	1,028	0.369	0.370	0.367	0.369	30	460	460	380
11	13	2	101	1,177	1,181	1,191	-	-	-	-	18	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	12	9	(1)	-	-	-	-	83	1,152	1,159	931	0.370	0.369	0.367	0.368	31	425	425	342
11	13	3	97	1,127	1,126	1,130	-	-	-	-	15	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	1	(1)	0	-	-	-	-	82	1,107	1,108	864	0.370	0.370	0.367	0.366	30	410	406	316
11	13	4	95	1,097	1,090	1,089	-	-	-	-	14	-	-	-	-	-	-	-	-	20	20	267	-	2	2	2	-	0	(0)	(0)	-	-	-	-	81	1,074	1,068	820	0.370	0.368	0.366	0.364	30	395	391	298
11	13	5	94	1,085	1,072	1,065	-	-	-	-	20	-	-	-	-	-	-	-	-	18	18	265	-	2	2	2	-	7	(2)	4	-	-	-	-	74	1,058	1,054	795	0.368	0.365	0.365	0.364	27	387	385	289
11	13	6	96	1,093	1,073	1,061	-	-	-	-	28	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	8	7	(3)	-	-	-	-	68	1,067	1,048	799	0.367	0.372	0.367	0.365	25	397	384	291
11	13	7	97	1,106	1,082	1,066	-	-	-	-	31	-	-	-	-	-	-	-	9	575	576	824	-	2	2	2	-	8	12	5	-	-	-	-	58	521	492	235	0.374	0.380	0.374	0.372	22	198	184	87
11	13	8	100	1,140	1,115	1,100	-	-	-	-	28	-	-	-	-	-	-	-	30	1,593	1,638	1,925	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	42	(450)	(524)	(826)	0.371	0.382	0.383	0.378	16	(172)	(201)	(312)
11	13	9	107	1,223	1,202	1,193	-	-	-	-	20	-	-	-	-	-	-	-	46	2,230	2,328	2,662	-	2	2	2	-	(2)	0	(3)	-	-	-	-	40	(1,007)	(1,128)	(1,468)	0.371	0.221	0.220	0.231	15	(223)	(248)	(339)
11	13	10	114	1,306	1,286	1,278	-	-	-	-	13	-	-	-	-	-	-	-	56	2,590	2,724	3,090	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	45	(1,280)	(1,433)	(1,806)	0.375	0.230	0.227	0.237	17	(294)	(325)	(428)
11	13	11	122	1,393	1,374	1,366	-	-	-	-	13	-	-	-	-	-	-	-	61	2,751	2,906	3,292	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	47	(1,354)	(1,520)	(1,919)	0.377	0.232	0.232	0.000	18	(314)	(353)	-
11	13	12	128	1,469	1,451	1,445	-	-	-	-	13	-	-	-	-	-	-	-	63	2,796	2,963	3,359	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	52	(1,314)	(1,498)	(1,900)	0.384	0.232	0.232	0.000	20	(305)	(348)	-
11	13	13	133	1,536	1,524	1,522	-	-	-	-	13	-	-	-	-	-	-	-	63	2,780	2,945	3,341	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	58	(1,231)	(1,408)	(1,804)	0.384	0.232	0.232	0.000	22	(286)	(327)	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	13	14	138	1,597	1,589	1,592	-	-	-	-	13	-	-	-	-	-	-	-	59	2,618	2,771	3,156	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	67	(1,006)	(1,169)	(1,552)	0.384	0.232	0.232	0.000	26	(234)	(271)	-
11	13	15	143	1,650	1,646	1,652	-	-	-	-	14	-	-	-	-	-	-	-	51	2,275	2,402	2,764	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	78	(617)	(748)	(1,101)	0.383	0.232	0.232	0.000	30	(143)	(174)	-
11	13	16	145	1,689	1,693	1,706	-	-	-	-	17	-	-	-	-	-	-	-	30	1,369	1,442	1,754	-	2	2	2	-	(3)	(3)	1	-	-	-	-	99	320	252	(51)	0.366	0.372	0.375	0.386	36	119	94	(20)
11	13	17	147	1,711	1,720	1,737	-	-	-	-	27	-	-	-	-	-	-	-	6	299	310	567	-	2	2	2	-	(2)	(0)	1	-	-	-	-	114	1,413	1,408	1,167	0.379	0.392	0.387	0.387	43	554	545	452
11	13	18	157	1,837	1,856	1,882	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	3	-	-	-	-	127	1,836	1,853	1,630	0.389	0.394	0.389	0.384	49	724	721	627
11	13	19	156	1,834	1,859	1,891	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	2	19	-	-	-	-	126	1,832	1,854	1,623	0.392	0.397	0.393	0.388	49	727	728	630
11	13	20	152	1,783	1,809	1,842	-	-	-	-	33	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	(1)	0	5	-	-	-	-	119	1,774	1,799	1,580	0.392	0.396	0.392	0.388	47	703	705	613
11	13	21	145	1,712	1,737	1,768	-	-	-	-	34	-	-	-	-	-	-	-	-	28	28	275	-	2	2	2	-	1	1	13	-	-	-	-	112	1,680	1,706	1,479	0.390	0.394	0.390	0.386	44	663	666	570
11	13	22	135	1,595	1,621	1,650	-	-	-	-	32	-	-	-	-	-	-	-	-	34	34	281	-	2	2	2	-	1	1	4	-	-	-	-	103	1,557	1,582	1,362	0.386	0.391	0.387	0.382	40	609	613	521
11	13	23	124	1,460	1,485	1,513	-	-	-	-	30	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	5	6	2	-	-	-	-	94	1,417	1,441	1,226	0.379	0.386	0.382	0.382	36	547	550	468
11	13	24	127	1,491	1,513	1,540	-	-	-	-	28	-	-	-	-	-	-	-	-	37	37	284	-	2	2	2	-	9	10	(0)	-	-	-	-	99	1,443	1,464	1,254	0.373	0.376	0.373	0.374	37	542	546	469
11	14	1	105	1,228	1,239	1,254	-	-	-	-	27	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	6	7	1	-	-	-	-	78	1,182	1,192	966	0.369	0.370	0.367	0.369	29	438	437	357
11	14	2	100	1,161	1,166	1,175	-	-	-	-	18	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	12	9	(1)	-	-	-	-	81	1,109	1,116	888	0.370	0.369	0.367	0.368	30	409	409	326
11	14	3	97	1,122	1,121	1,125	-	-	-	-	15	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	1	(1)	0	-	-	-	-	82	1,081	1,081	837	0.370	0.370	0.367	0.366	30	400	397	306
11	14	4	96	1,109	1,102	1,102	-	-	-	-	14	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	0	(0)	(0)	-	-	-	-	82	1,068	1,062	815	0.370	0.368	0.366	0.364	30	392	389	296
11	14	5	99	1,135	1,123	1,118	-	-	-	-	20	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	7	(2)	4	-	-	-	-	79	1,088	1,084	827	0.368	0.365	0.365	0.364	29	397	396	301
11	14	6	107	1,224	1,208	1,199	-	-	-	-	28	-	-	-	-	-	-	-	-	42	42	289	-	2	2	2	-	8	7	(3)	-	-	-	-	79	1,173	1,157	911	0.367	0.372	0.367	0.365	29	436	424	332
11	14	7	118	1,350	1,331	1,322	-	-	-	-	31	-	-	-	-	-	-	-	8	548	549	797	-	2	2	2	-	8	12	5	-	-	-	-	79	791	768	517	0.374	0.380	0.374	0.372	30	300	288	192
11	14	8	126	1,442	1,424	1,417	-	-	-	-	28	-	-	-	-	-	-	-	30	1,576	1,621	1,909	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	68	(131)	(198)	(492)	0.371	0.382	0.383	0.378	25	(50)	(76)	(186)
11	14	9	133	1,529	1,516	1,515	-	-	-	-	20	-	-	-	-	-	-	-	46	2,213	2,313	2,650	-	2	2	2	-	(2)	0	(3)	-	-	-	-	67	(685)	(800)	(1,135)	0.371	0.221	0.220	0.231	25	(151)	(176)	(262)
11	14	10	141	1,624	1,612	1,612	-	-	-	-	13	-	-	-	-	-	-	-	56	2,585	2,724	3,095	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	72	(957)	(1,107)	(1,477)	0.375	0.230	0.227	0.237	27	(220)	(251)	(350)
11	14	11	149	1,713	1,702	1,703	-	-	-	-	13	-	-	-	-	-	-	-	62	2,743	2,905	3,296	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	74	(1,025)	(1,191)	(1,587)	0.377	0.232	0.232	0.000	28	(238)	(277)	-
11	14	12	154	1,776	1,766	1,767	-	-	-	-	13	-	-	-	-	-	-	-	64	2,805	2,977	3,378	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	77	(1,016)	(1,198)	(1,597)	0.384	0.232	0.232	0.000	30	(236)	(278)	-
11	14	13	159	1,837	1,832	1,838	-	-	-	-	13	-	-	-	-	-	-	-	64	2,813	2,984	3,385	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	82	(963)	(1,138)	(1,532)	0.384	0.232	0.232	0.000	32	(224)	(264)	-
11	14	14	164	1,901	1,900	1,910	-	-	-	-	13	-	-	-	-	-	-	-	60	2,679	2,838	3,228	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	91	(763)	(924)	(1,305)	0.384	0.232	0.232	0.000	35	(177)	(215)	-
11	14	15	167	1,936	1,939	1,952	-	-	-	-	14	-	-	-	-	-	-	-	51	2,304	2,434	2,798	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	102	(360)	(488)	(835)	0.383	0.232	0.232	0.000	39	(84)	(113)	-
11	14	16	168	1,954	1,965	1,985	-	-	-	-	17	-	-	-	-	-	-	-	32	1,521	1,596	1,910	-	2	2	2	-	(3)	(3)	1	-	-	-	-	119	434	369	71	0.366	0.372	0.375	0.386	44	161	139	28
11	14	17	166	1,940	1,955	1,978	-	-	-	-	27	-	-	-	-	-	-	-	7	388	399	656	-	2	2	2	-	(2)	(0)	1	-	-	-	-	132	1,553	1,554	1,319	0.379	0.392	0.387	0.387	50	609	602	511
11	14	18	173	2,026	2,049	2,080	-	-	-	-	30	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	(1)	0	3	-	-	-	-	143	1,982	2,004	1,785	0.389	0.394	0.389	0.384	55	782	780	686
11	14	19	170	1,999	2,028	2,064	-	-	-	-	30	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	(1)	2	19	-	-	-	-	140	1,962	1,988	1,761	0.392	0.397	0.393	0.388	55	778	781	684
11	14	20	164	1,924	1,954	1,990	-	-	-	-	33	-	-	-	-	-	-	-	-	27	27	274	-	2	2	2	-	(1)	0	5	-	-	-	-	131	1,896	1,924	1,708	0.392	0.396	0.392	0.388	51	751	754	662
11	14	21	155	1,830	1,858	1,893	-	-	-	-	34	-	-	-	-	-	-	-	-	20	20	267	-	2	2	2	-	1	1	13	-	-	-	-	122	1,807	1,835	1,611	0.390	0.394	0.390	0.386	48	713	716	621
11	14	22	144	1,697	1,725	1,757	-	-	-	-	32	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	1	1	4	-	-	-	-	112	1,683	1,710	1,493	0.386	0.391	0.387	0.382	43	658	662	570
11	14	23	130	1,536	1,562	1,592	-	-	-	-	30	-	-	-	-	-	-	-	-	5	5	252	-	2	2	2	-	5	6	2	-	-	-	-	100	1,524	1,549	1,336	0.379	0.386	0.382	0.382	38	588	592	510
11	14	24	144	1,696	1,724	1,756	-	-	-	-	28	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	9	10	(0)	-	-	-	-	116	1,682	1,708	1,503	0.373	0.376	0.373	0.374	43	632	638	563
11	15	1	108	1,268	1,279	1,296	-	-	-	-	27	-	-	-	-	-	-	-	-	1	1	248	-	2	2	2	-	6	7	1	-	-	-	-	82	1,258	1,269	1,044	0.369	0.370	0.367	0.369	30	466	466	386
11	15	2	103	1,196	1,201	1,211	-	-	-	-	18	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,182	1,189	962	0.370	0.369	0.367	0.368	31	436	436	354
11	15	3	99	1,145	1,144	1,149	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,141	1,143	899	0.370	0.370	0.367	0.366	31	423	419	329
11	15	4	97	1,123	1,117	1,117	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,120	1,115	868	0.370	0.368	0.366	0.364	31	412	408	316
11	15	5	99	1,143	1,132	1,127	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	79	1,134	1,131	874	0.368	0.365	0.365	0.364	29	414	413	318
11	15	6	107	1,228	1,211	1,202	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	8	7	(3)	-	-	-	-	79	1,218	1,202	956	0.367	0.372	0.367	0.365	29	453	441	349
11	15	7	119	1,362	1,344	1,335	-	-	-	-	31	-	-	-	-	-	-	-	8	468	469	717	-	2	2	2	-	8	12	5	-	-	-	-	81	883	861	610	0.374	0.380	0.374	0.372	30	335	322	227
11	15	8	126	1,443	1,425	1,419	-	-	-	-	28	-	-	-	-	-	-	-	29	1,504	1,549	1,836	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(58)	(124)	(418)	0.371	0.382	0.383	0.378	26	(22)	(48)	(158)
11	15	9	131	1,502	1,487	1,486	-	-	-	-	20	-	-	-	-	-	-	-	46	2,171	2,271	2,607	-	2	2	2	-	(2)	0	(3)	-	-	-	-	65	(670)	(786)	(1,121)	0.371	0.221	0.220	0.231	24	(148)	(173)	(258)
11	15	10	137	1,574	1,560	1,559	-	-	-	-	13	-	-	-	-	-	-	-	56	2,556	2,694	3,065	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	68	(978)	(1,129)	(1,501)	0.375	0.230	0.227	0.237	25	(225)	(256)	(356)
11	15	11	143	1,641	1,627	1,626	-	-	-	-	13	-	-	-	-	-	-	-	61	2,700	2,859	3,248	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	68	(1,055)	(1,220)	(1,615)	0.377	0.232	0.232	0.000	26	(245)	(283)	-
11	15	12	146	1,681	1,669	1,668	-	-	-	-	13	-	-	-	-	-	-	-	63	2,780	2,947	3,345	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	70	(1,084)	(1,265)	(1,662)	0.384	0.232	0.232	0.000	27	(252)	(294)	-
11	15	13	148	1,705	1,698	1,700	-	-	-	-	13	-	-	-	-	-	-	-	62	2,713	2,876	3,269	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	73	(994)	(1,164)	(1,553)	0.384	0.232	0.232	0.000	28	(231)	(270)	-
11	15	14	149	1,719	1,714	1,720	-	-	-	-	13	-	-	-	-	-	-	-	58	2,587	2,735	3,115	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	78	(854)	(1,008)	(1,383)	0.384	0.232	0.232	0.000	30	(198)	(234)	-
11	15	15	149	1,721	1,718	1,726	-	-	-	-	14	-	-	-	-	-	-	-	49	2,221	2,341	2,696	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	86	(493)	(615)	(959)	0.383	0.232	0.232	0.000	33	(114)	(143)	-
11	15	16	149	1,728	1,733	1,748	-	-	-	-	17	-	-	-	-	-	-	-	28	1,287	1,355	1,663	-	2	2	2	-	(3)	(3)	1	-	-	-	-	104	441	379	81	0.366	0.372	0.375	0.386	38	164	142	31
11	15	17	151	1,761	1,771	1,790	-	-	-	-	27	-	-	-	-	-	-	-	5	249	258	514	-	2	2	2	-	(2)	(0)	1	-	-	-	-	119	1,513	1,511	1,273	0.379	0.392	0.387	0.387	45	593	585	493
11	15	18	163	1,904	1,924	1,952	-	-	-	-	30	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	(1)	0	3	-	-	-	-	132	1,900	1,918	1,697	0.389	0.394	0.389	0.384	52	749	747	652
11	15	19	162	1,902	1,929	1,963	-	-	-	-	30	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	(1)	2	19	-	-	-	-	132	1,899	1,922	1,693	0.392	0.397	0.393	0.388	52	753	755	657
11	15	20	158	1,855	1,883	1,917	-	-	-	-	33	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	(1)	0	5	-	-	-	-	125	1,846	1,872	1,655	0.392	0.396	0.392	0.388	49	731	734	642
11	15	21	151	1,775	1,802	1,835	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	2	2	2	-	1	1	13	-	-	-	-	117	1,767	1,794	1,568	0.390	0.394	0.390	0.386	46	697	700	605
11	15	22	140	1,654	1,680	1,712	-	-	-	-	32	-	-	-	-	-	-	-	-	3	3	250	-	2	2	2	-	1	1	4	-	-	-	-	108	1,647	1,674	1,455	0.386	0.391	0.387	0.382	42	644	648	556
11	15	23	127	1,500	1,525	1,555	-	-	-	-	30	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	5	6	2	-	-	-	-	97	1,489	1,513	1,299	0.379	0.386	0.382	0.382	37	574	578	496
11	15	24	136	1,602	1,627	1,657	-	-	-	-	28	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	9	10	(0)	-	-	-	-	108	1,588	1,612	1,405	0.373	0.376	0.373	0.374	40	597	602	526
11	16	1	107	1,247	1,259	1,274	-	-	-	-	27	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	6	7	1	-	-	-	-	80	1,234	1,245	1,019	0.369	0.370	0.367	0.369	30	457	457	377
11	16	2	101	1,178	1,183	1,192	-	-	-	-	18	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	12	9	(1)	-	-	-	-	83	1,160	1,167	939	0.370	0.369	0.367	0.368	31	428	428	345
11	16	3	98	1,133	1,132	1,136	-	-	-	-	15	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	1	(1)	0	-	-	-	-	82	1,127	1,128	884	0.370	0.370	0.367	0.366	31	417	414	324
11	16	4	96	1,113	1,107	1,107	-	-	-	-	14	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	0	(0)	(0)	-	-	-	-	82	1,106	1,101	854	0.370	0.368	0.366	0.364	31	407	403	311
11	16	5	98	1,128	1,116	1,111	-	-	-	-	20	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	7	(2)	4	-	-	-	-	78	1,117	1,114	856	0.368	0.365	0.365	0.364	29	408	407	311
11	16	6	106	1,214	1,197	1,187	-	-	-	-	28	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	8	7	(3)	-	-	-	-	78	1,201	1,185	938	0.367	0.372	0.367	0.365	29	446	434	343
11	16	7	118	1,351	1,333	1,323	-	-	-	-	31	-	-	-	-	-	-	-	8	475	475	723	-	2	2	2	-	8	12	5	-	-	-	-	80	866	843	593	0.374	0.380	0.374	0.372	30	329	316	220
11	16	8	125	1,433	1,414	1,407	-	-	-	-	28	-	-	-	-	-	-	-	27	1,446	1,481	1,758	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	70	(11)	(67)	(352)	0.371	0.382	0.383	0.378	26	(4)	(26)	(133)
11	16	9	131	1,502	1,487	1,486	-	-	-	-	20	-	-	-	-	-	-	-	41	2,036	2,113	2,429	-	2	2	2	-	(2)	0	(3)	-	-	-	-	69	(535)	(628)	(943)	0.371	0.221	0.220	0.231	26	(118)	(138)	(217)
11	16	10	134	1,544	1,530	1,528	-	-	-	-	13	-	-	-	-	-	-	-	51	2,387	2,503	2,853	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	71	(840)	(968)	(1,320)	0.375	0.230	0.227	0.237	26	(193)	(220)	(313)
11	16	11	138	1,588	1,573	1,571	-	-	-	-	13	-	-	-	-	-	-	-	52	2,346	2,475	2,838	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	73	(753)	(890)	(1,261)	0.377	0.232	0.232	0.000	27	(175)	(207)	-
11	16	12	139	1,602	1,588	1,585	-	-	-	-	13	-	-	-	-	-	-	-	58	2,604	2,753	3,133	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	68	(988)	(1,151)	(1,534)	0.384	0.232	0.232	0.000	26	(229)	(267)	-
11	16	13	140	1,613	1,603	1,603	-	-	-	-	13	-	-	-	-	-	-	-	54	2,344	2,491	2,869	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	73	(717)	(874)	(1,251)	0.384	0.232	0.232	0.000	28	(167)	(203)	-
11	16	14	141	1,629	1,622	1,625	-	-	-	-	13	-	-	-	-	-	-	-	45	1,927	2,056	2,418	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	83	(284)	(420)	(780)	0.384	0.232	0.232	0.000	32	(66)	(98)	-
11	16	15	142	1,637	1,632	1,638	-	-	-	-	14	-	-	-	-	-	-	-	42	1,935	2,034	2,370	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	86	(291)	(394)	(722)	0.383	0.232	0.232	0.000	33	(68)	(92)	-
11	16	16	142	1,648	1,651	1,664	-	-	-	-	17	-	-	-	-	-	-	-	19	816	867	1,159	-	2	2	2	-	(3)	(3)	1	-	-	-	-	106	832	785	501	0.366	0.372	0.375	0.386	39	309	294	193
11	16	17	145	1,693	1,701	1,718	-	-	-	-	27	-	-	-	-	-	-	-	3	121	126	378	-	2	2	2	-	(2)	(0)	1	-	-	-	-	116	1,572	1,573	1,337	0.379	0.392	0.387	0.387	44	617	609	518
11	16	18	159	1,857	1,876	1,903	-	-	-	-	30	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	(1)	0	3	-	-	-	-	128	1,849	1,866	1,644	0.389	0.394	0.389	0.384	50	729	727	632
11	16	19	159	1,864	1,890	1,922	-	-	-	-	30	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	(1)	2	19	-	-	-	-	129	1,854	1,876	1,646	0.392	0.397	0.393	0.388	50	735	737	639
11	16	20	155	1,819	1,846	1,879	-	-	-	-	33	-	-	-	-	-	-	-	-	6	6	253	-	2	2	2	-	(1)	0	5	-	-	-	-	122	1,812	1,838	1,620	0.392	0.396	0.392	0.388	48	718	720	628
11	16	21	149	1,756	1,782	1,815	-	-	-	-	34	-	-	-	-	-	-	-	-	6	6	253	-	2	2	2	-	1	1	13	-	-	-	-	116	1,746	1,772	1,546	0.390	0.394	0.390	0.386	45	688	692	596
11	16	22	140	1,644	1,671	1,702	-	-	-	-	32	-	-	-	-	-	-	-	-	7	7	254	-	2	2	2	-	1	1	4	-	-	-	-	107	1,634	1,660	1,441	0.386	0.391	0.387	0.382	41	639	643	551
11	16	23	128	1,503	1,529	1,559	-	-	-	-	30	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	5	6	2	-	-	-	-	97	1,487	1,512	1,298	0.379	0.386	0.382	0.382	37	574	577	495
11	16	24	131	1,538	1,561	1,589	-	-	-	-	28	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	9	10	(0)	-	-	-	-	103	1,518	1,540	1,331	0.373	0.376	0.373	0.374	38	570	575	498
11	17	1	107	1,257	1,268	1,284	-	-	-	-	27	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	6	7	1	-	-	-	-	81	1,239	1,250	1,024	0.369	0.370	0.367	0.369	30	459	458	378
11	17	2	102	1,192	1,197	1,207	-	-	-	-	18	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,167	1,174	947	0.370	0.369	0.367	0.368	31	431	431	348
11	17	3	99	1,146	1,146	1,150	-	-	-	-	15	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	1	(1)	0	-	-	-	-	84	1,133	1,134	890	0.370	0.370	0.367	0.366	31	420	416	326
11	17	4	98	1,126	1,121	1,121	-	-	-	-	14	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,115	1,110	863	0.370	0.368	0.366	0.364	31	410	406	314
11	17	5	100	1,148	1,137	1,132	-	-	-	-	20	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	7	(2)	4	-	-	-	-	80	1,135	1,132	875	0.368	0.365	0.365	0.364	29	415	414	318
11	17	6	108	1,243	1,227	1,219	-	-	-	-	28	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	8	7	(3)	-	-	-	-	81	1,233	1,217	972	0.367	0.372	0.367	0.365	30	458	446	355
11	17	7	120	1,377	1,359	1,350	-	-	-	-	31	-	-	-	-	-	-	-	7	444	445	692	-	2	2	2	-	8	12	5	-	-	-	-	82	922	900	650	0.374	0.380	0.374	0.372	31	350	337	242
11	17	8	127	1,454	1,436	1,429	-	-	-	-	28	-	-	-	-	-	-	-	27	1,469	1,505	1,785	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	72	(13)	(70)	(356)	0.371	0.382	0.383	0.378	27	(5)	(27)	(135)
11	17	9	131	1,501	1,487	1,485	-	-	-	-	20	-	-	-	-	-	-	-	42	2,041	2,123	2,444	-	2	2	2	-	(2)	0	(3)	-	-	-	-	69	(540)	(639)	(958)	0.371	0.221	0.220	0.231	25	(119)	(141)	(221)
11	17	10	135	1,545	1,530	1,529	-	-	-	-	13	-	-	-	-	-	-	-	51	2,369	2,487	2,839	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	71	(820)	(951)	(1,305)	0.375	0.230	0.227	0.237	27	(188)	(216)	(309)
11	17	11	138	1,584	1,569	1,566	-	-	-	-	13	-	-	-	-	-	-	-	58	2,628	2,773	3,150	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	66	(1,040)	(1,192)	(1,577)	0.377	0.232	0.232	0.000	25	(241)	(277)	-
11	17	12	139	1,599	1,584	1,581	-	-	-	-	13	-	-	-	-	-	-	-	60	2,634	2,793	3,182	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	66	(1,021)	(1,195)	(1,587)	0.384	0.232	0.232	0.000	25	(237)	(277)	-
11	17	13	139	1,605	1,594	1,594	-	-	-	-	13	-	-	-	-	-	-	-	59	2,600	2,757	3,145	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	67	(982)	(1,149)	(1,536)	0.384	0.232	0.232	0.000	26	(228)	(267)	-
11	17	14	140	1,621	1,613	1,616	-	-	-	-	13	-	-	-	-	-	-	-	57	2,524	2,671	3,050	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	71	(889)	(1,045)	(1,422)	0.384	0.232	0.232	0.000	27	(206)	(243)	-
11	17	15	141	1,629	1,625	1,630	-	-	-	-	14	-	-	-	-	-	-	-	46	2,063	2,183	2,537	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	81	(426)	(550)	(897)	0.383	0.232	0.232	0.000	31	(99)	(128)	-
11	17	16	141	1,640	1,643	1,655	-	-	-	-	17	-	-	-	-	-	-	-	26	1,177	1,244	1,551	-	2	2	2	-	(3)	(3)	1	-	-	-	-	98	464	400	101	0.366	0.372	0.375	0.386	36	172	150	39
11	17	17	146	1,695	1,703	1,720	-	-	-	-	27	-	-	-	-	-	-	-	4	195	204	458	-	2	2	2	-	(2)	(0)	1	-	-	-	-	114	1,500	1,498	1,259	0.379	0.392	0.387	0.387	43	588	580	487
11	17	18	158	1,853	1,872	1,899	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	3	-	-	-	-	128	1,852	1,870	1,647	0.389	0.394	0.389	0.384	50	731	728	633
11	17	19	159	1,868	1,893	1,926	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	129	1,866	1,889	1,658	0.392	0.397	0.393	0.388	51	740	741	644
11	17	20	155	1,827	1,854	1,888	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	123	1,826	1,851	1,634	0.392	0.396	0.392	0.388	48	723	726	633
11	17	21	150	1,760	1,787	1,819	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	116	1,757	1,783	1,557	0.390	0.394	0.390	0.386	45	693	696	601
11	17	22	140	1,653	1,679	1,710	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	108	1,649	1,675	1,456	0.386	0.391	0.387	0.382	42	645	648	557
11	17	23	128	1,507	1,532	1,562	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	98	1,500	1,524	1,310	0.379	0.386	0.382	0.382	37	578	582	500
11	17	24	130	1,534	1,557	1,585	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	102	1,523	1,545	1,336	0.373	0.376	0.373	0.374	38	572	577	500

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	18	1	108	1,264	1,276	1,292	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	81	1,255	1,266	1,041	0.369	0.370	0.367	0.369	30	465	464	385
11	18	2	103	1,197	1,202	1,212	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,183	1,190	963	0.370	0.369	0.367	0.368	31	436	437	354
11	18	3	99	1,150	1,149	1,154	-	-	-	-	15	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	1	(1)	0	-	-	-	-	84	1,146	1,147	904	0.370	0.370	0.367	0.366	31	425	421	331
11	18	4	98	1,129	1,123	1,123	-	-	-	-	14	-	-	-	-	-	-	-	-	1	1	248	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,125	1,120	873	0.370	0.368	0.366	0.364	31	414	410	318
11	18	5	100	1,150	1,139	1,134	-	-	-	-	20	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	7	(2)	4	-	-	-	-	80	1,139	1,136	879	0.368	0.365	0.365	0.364	29	416	415	320
11	18	6	108	1,240	1,223	1,215	-	-	-	-	28	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	8	7	(3)	-	-	-	-	80	1,228	1,212	966	0.367	0.372	0.367	0.365	30	456	444	353
11	18	7	120	1,376	1,358	1,349	-	-	-	-	31	-	-	-	-	-	-	-	7	410	411	659	-	2	2	2	-	8	12	5	-	-	-	-	83	955	933	683	0.374	0.380	0.374	0.372	31	363	349	254
11	18	8	127	1,456	1,438	1,431	-	-	-	-	28	-	-	-	-	-	-	-	27	1,444	1,484	1,766	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	72	15	(46)	(335)	0.371	0.382	0.383	0.378	27	6	(18)	(127)
11	18	9	131	1,500	1,486	1,484	-	-	-	-	20	-	-	-	-	-	-	-	42	2,019	2,108	2,434	-	2	2	2	-	(2)	0	(3)	-	-	-	-	68	(520)	(625)	(950)	0.371	0.221	0.220	0.231	25	(115)	(137)	(219)
11	18	10	135	1,548	1,534	1,532	-	-	-	-	13	-	-	-	-	-	-	-	52	2,412	2,535	2,892	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	70	(860)	(996)	(1,355)	0.375	0.230	0.227	0.237	26	(197)	(226)	(321)
11	18	11	138	1,585	1,570	1,567	-	-	-	-	13	-	-	-	-	-	-	-	59	2,659	2,808	3,189	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	65	(1,070)	(1,226)	(1,615)	0.377	0.232	0.232	0.000	25	(248)	(285)	-
11	18	12	140	1,609	1,595	1,592	-	-	-	-	13	-	-	-	-	-	-	-	62	2,736	2,898	3,291	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	65	(1,113)	(1,290)	(1,685)	0.384	0.232	0.232	0.000	25	(258)	(299)	-
11	18	13	141	1,625	1,615	1,615	-	-	-	-	13	-	-	-	-	-	-	-	61	2,686	2,848	3,240	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	67	(1,048)	(1,219)	(1,610)	0.384	0.232	0.232	0.000	26	(243)	(283)	-
11	18	14	142	1,643	1,636	1,640	-	-	-	-	13	-	-	-	-	-	-	-	58	2,560	2,713	3,097	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	72	(902)	(1,063)	(1,445)	0.384	0.232	0.232	0.000	28	(210)	(247)	-
11	18	15	142	1,645	1,640	1,646	-	-	-	-	14	-	-	-	-	-	-	-	50	2,254	2,382	2,743	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	78	(602)	(734)	(1,086)	0.383	0.232	0.232	0.000	30	(140)	(170)	-
11	18	16	142	1,654	1,657	1,669	-	-	-	-	17	-	-	-	-	-	-	-	28	1,236	1,308	1,620	-	2	2	2	-	(3)	(3)	1	-	-	-	-	98	418	349	46	0.366	0.372	0.375	0.386	36	155	131	18
11	18	17	145	1,688	1,696	1,713	-	-	-	-	27	-	-	-	-	-	-	-	4	219	228	483	-	2	2	2	-	(2)	(0)	1	-	-	-	-	113	1,469	1,466	1,227	0.379	0.392	0.387	0.387	43	576	568	475
11	18	18	156	1,825	1,843	1,869	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	2	2	2	-	(1)	0	3	-	-	-	-	126	1,802	1,819	1,595	0.389	0.394	0.389	0.384	49	711	708	613
11	18	19	155	1,819	1,843	1,874	-	-	-	-	30	-	-	-	-	-	-	-	-	26	26	273	-	2	2	2	-	(1)	2	19	-	-	-	-	125	1,792	1,813	1,581	0.392	0.397	0.393	0.388	49	711	712	614
11	18	20	150	1,767	1,793	1,825	-	-	-	-	33	-	-	-	-	-	-	-	-	23	23	270	-	2	2	2	-	(1)	0	5	-	-	-	-	118	1,743	1,767	1,548	0.392	0.396	0.392	0.388	46	691	693	600
11	18	21	145	1,707	1,732	1,763	-	-	-	-	34	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	1	1	13	-	-	-	-	112	1,690	1,716	1,488	0.390	0.394	0.390	0.386	44	667	669	574
11	18	22	138	1,624	1,650	1,680	-	-	-	-	32	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	1	1	4	-	-	-	-	106	1,611	1,637	1,417	0.386	0.391	0.387	0.382	41	630	634	542
11	18	23	128	1,504	1,530	1,560	-	-	-	-	30	-	-	-	-	-	-	-	-	14	14	261	-	2	2	2	-	5	6	2	-	-	-	-	98	1,483	1,507	1,294	0.379	0.386	0.382	0.382	37	572	576	494
11	18	24	132	1,553	1,577	1,605	-	-	-	-	28	-	-	-	-	-	-	-	-	18	18	265	-	2	2	2	-	9	10	(0)	-	-	-	-	104	1,524	1,546	1,338	0.373	0.376	0.373	0.374	39	573	577	501
11	19	1	109	1,271	1,283	1,299	-	-	-	-	27	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	6	7	1	-	-	-	-	82	1,246	1,257	1,033	0.369	0.370	0.367	0.369	30	461	461	382
11	19	2	103	1,198	1,203	1,213	-	-	-	-	18	-	-	-	-	-	-	-	-	14	14	261	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,171	1,178	951	0.370	0.369	0.367	0.368	31	432	432	350
11	19	3	99	1,154	1,153	1,157	-	-	-	-	15	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	1	(1)	0	-	-	-	-	84	1,137	1,138	895	0.370	0.370	0.367	0.366	31	421	417	327
11	19	4	98	1,128	1,122	1,122	-	-	-	-	14	-	-	-	-	-	-	-	-	17	17	264	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,107	1,102	855	0.370	0.368	0.366	0.364	31	407	403	311
11	19	5	98	1,125	1,113	1,108	-	-	-	-	20	-	-	-	-	-	-	-	-	17	17	264	-	2	2	2	-	7	(2)	4	-	-	-	-	78	1,099	1,096	838	0.368	0.365	0.365	0.364	29	402	400	305
11	19	6	102	1,163	1,145	1,135	-	-	-	-	28	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	8	7	(3)	-	-	-	-	74	1,141	1,123	875	0.367	0.372	0.367	0.365	27	424	412	320
11	19	7	107	1,216	1,194	1,182	-	-	-	-	31	-	-	-	-	-	-	-	6	411	412	659	-	2	2	2	-	8	12	5	-	-	-	-	70	794	769	515	0.374	0.380	0.374	0.372	26	302	288	191
11	19	8	111	1,270	1,248	1,237	-	-	-	-	28	-	-	-	-	-	-	-	27	1,440	1,478	1,760	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	56	(167)	(231)	(524)	0.371	0.382	0.383	0.378	21	(64)	(89)	(198)
11	19	9	117	1,342	1,323	1,318	-	-	-	-	20	-	-	-	-	-	-	-	43	2,075	2,160	2,483	-	2	2	2	-	(2)	0	(3)	-	-	-	-	54	(734)	(839)	(1,165)	0.371	0.221	0.220	0.231	20	(162)	(185)	(269)
11	19	10	122	1,398	1,380	1,375	-	-	-	-	13	-	-	-	-	-	-	-	52	2,408	2,526	2,879	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	58	(1,006)	(1,141)	(1,499)	0.375	0.230	0.227	0.237	22	(231)	(259)	(355)
11	19	11	125	1,435	1,417	1,410	-	-	-	-	13	-	-	-	-	-	-	-	58	2,642	2,781	3,153	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	54	(1,203)	(1,353)	(1,736)	0.377	0.232	0.232	0.000	20	(279)	(314)	-
11	19	12	126	1,442	1,424	1,417	-	-	-	-	13	-	-	-	-	-	-	-	59	2,710	2,856	3,233	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	54	(1,254)	(1,418)	(1,802)	0.384	0.232	0.232	0.000	21	(291)	(329)	-
11	19	13	126	1,446	1,432	1,428	-	-	-	-	13	-	-	-	-	-	-	-	59	2,708	2,854	3,232	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	54	(1,249)	(1,409)	(1,790)	0.384	0.232	0.232	0.000	21	(290)	(327)	-
11	19	14	125	1,437	1,425	1,423	-	-	-	-	13	-	-	-	-	-	-	-	56	2,582	2,720	3,090	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	57	(1,131)	(1,281)	(1,654)	0.384	0.232	0.232	0.000	22	(263)	(297)	-
11	19	15	124	1,428	1,418	1,418	-	-	-	-	14	-	-	-	-	-	-	-	47	2,232	2,345	2,692	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	63	(797)	(919)	(1,263)	0.383	0.232	0.232	0.000	24	(185)	(213)	-
11	19	16	125	1,444	1,442	1,449	-	-	-	-	17	-	-	-	-	-	-	-	27	1,342	1,404	1,707	-	2	2	2	-	(3)	(3)	1	-	-	-	-	81	101	38	(261)	0.366	0.372	0.375	0.386	30	38	14	(101)
11	19	17	130	1,515	1,519	1,531	-	-	-	-	27	-	-	-	-	-	-	-	4	293	299	552	-	2	2	2	-	(2)	(0)	1	-	-	-	-	99	1,222	1,218	976	0.379	0.392	0.387	0.387	38	479	471	378
11	19	18	144	1,683	1,698	1,720	-	-	-	-	30	-	-	-	-	-	-	-	-	79	79	326	-	2	2	2	-	(1)	0	3	-	-	-	-	114	1,602	1,616	1,389	0.389	0.394	0.389	0.384	44	632	629	534
11	19	19	144	1,696	1,717	1,746	-	-	-	-	30	-	-	-	-	-	-	-	-	58	58	305	-	2	2	2	-	(1)	2	19	-	-	-	-	114	1,637	1,655	1,420	0.392	0.397	0.393	0.388	45	649	650	552
11	19	20	141	1,658	1,681	1,710	-	-	-	-	33	-	-	-	-	-	-	-	-	50	50	297	-	2	2	2	-	(1)	0	5	-	-	-	-	108	1,606	1,628	1,406	0.392	0.396	0.392	0.388	43	636	638	545
11	19	21	137	1,615	1,638	1,667	-	-	-	-	34	-	-	-	-	-	-	-	-	46	46	293	-	2	2	2	-	1	1	13	-	-	-	-	104	1,565	1,588	1,358	0.390	0.394	0.390	0.386	40	617	620	524
11	19	22	131	1,542	1,565	1,594	-	-	-	-	32	-	-	-	-	-	-	-	-	48	48	295	-	2	2	2	-	1	1	4	-	-	-	-	99	1,490	1,514	1,292	0.386	0.391	0.387	0.382	38	583	586	494
11	19	23	122	1,444	1,468	1,496	-	-	-	-	30	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	5	6	2	-	-	-	-	92	1,393	1,416	1,201	0.379	0.386	0.382	0.382	35	537	541	458
11	19	24	122	1,435	1,456	1,481	-	-	-	-	28	-	-	-	-	-	-	-	-	44	44	291	-	2	2	2	-	9	10	(0)	-	-	-	-	94	1,379	1,399	1,187	0.373	0.376	0.373	0.374	35	518	522	445
11	20	1	105	1,227	1,238	1,253	-	-	-	-	27	-	-	-	-	-	-	-	-	45	45	292	-	2	2	2	-	6	7	1	-	-	-	-	78	1,173	1,183	957	0.369	0.370	0.367	0.369	29	434	434	354
11	20	2	99	1,158	1,162	1,171	-	-	-	-	18	-	-	-	-	-	-	-	-	46	46	293	-	2	2	2	-	12	9	(1)	-	-	-	-	81	1,098	1,105	876	0.370	0.369	0.367	0.368	30	405	405	322
11	20	3	96	1,109	1,108	1,111	-	-	-	-	15	-	-	-	-	-	-	-	-	42	42	289	-	2	2	2	-	1	(1)	0	-	-	-	-	80	1,064	1,064	820	0.370	0.370	0.367	0.366	30	394	390	300
11	20	4	94	1,080	1,073	1,072	-	-	-	-	14	-	-	-	-	-	-	-	-	52	52	299	-	2	2	2	-	0	(0)	(0)	-	-	-	-	80	1,025	1,019	771	0.370	0.368	0.366	0.364	29	377	373	280
11	20	5	93	1,069	1,056	1,049	-	-	-	-	20	-	-	-	-	-	-	-	-	71	71	318	-	2	2	2	-	7	(2)	4	-	-	-	-	73	989	984	725	0.368	0.365	0.365	0.364	27	361	360	264
11	20	6	95	1,086	1,066	1,053	-	-	-	-	28	-	-	-	-	-	-	-	-	70	70	317	-	2	2	2	-	8	7	(3)	-	-	-	-	67	1,006	986	736	0.367	0.372	0.367	0.365	25	374	361	269
11	20	7	98	1,119	1,095	1,080	-	-	-	-	31	-	-	-	-	-	-	-	1	148	148	395	-	2	2	2	-	8	12	5	-	-	-	-	67	961	933	677	0.374	0.380	0.374	0.372	25	365	350	252
11	20	8	103	1,165	1,140	1,126	-	-	-	-	28	-	-	-	-	-	-	-	12	643	669	939	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	62	524	471	187	0.371	0.382	0.383	0.378	23	200	180	71
11	20	9	108	1,232	1,211	1,202	-	-	-	-	20	-	-	-	-	-	-	-	24	1,057	1,128	1,438	-	2	2	2	-	(2)	0	(3)	-	-	-	-	64	174	80	(236)	0.371	0.221	0.220	0.231	24	38	18	(54)
11	20	10	112	1,283	1,263	1,255	-	-	-	-	13	-	-	-	-	-	-	-	38	1,669	1,775	2,117	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	62	(381)	(507)	(857)	0.375	0.230	0.227	0.237	23	(88)	(115)	(203)
11	20	11	116	1,319	1,298	1,288	-	-	-	-	13	-	-	-	-	-	-	-	50	2,228	2,357	2,719	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	52	(905)	(1,047)	(1,424)	0.377	0.232	0.232	0.000	20	(210)	(243)	-
11	20	12	118	1,348	1,327	1,318	-	-	-	-	13	-	-	-	-	-	-	-	57	2,558	2,700	3,073	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	49	(1,197)	(1,358)	(1,741)	0.384	0.232	0.232	0.000	19	(278)	(315)	-
11	20	13	119	1,366	1,350	1,344	-	-	-	-	13	-	-	-	-	-	-	-	57	2,573	2,715	3,089	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	49	(1,194)	(1,351)	(1,730)	0.384	0.232	0.232	0.000	19	(277)	(314)	-
11	20	14	121	1,386	1,373	1,369	-	-	-	-	13	-	-	-	-	-	-	-	56	2,549	2,687	3,057	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	52	(1,149)	(1,301)	(1,675)	0.384	0.232	0.232	0.000	20	(267)	(302)	-
11	20	15	121	1,398	1,388	1,387	-	-	-	-	14	-	-	-	-	-	-	-	49	2,252	2,371	2,724	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	59	(847)	(976)	(1,327)	0.383	0.232	0.232	0.000	22	(197)	(227)	-
11	20	16	124	1,433	1,431	1,438	-	-	-	-	17	-	-	-	-	-	-	-	31	1,494	1,564	1,873	-	2	2	2	-	(3)	(3)	1	-	-	-	-	76	(61)	(132)	(439)	0.366	0.372	0.375	0.386	28	(23)	(50)	(169)
11	20	17	132	1,534	1,539	1,551	-	-	-	-	27	-	-	-	-	-	-	-	5	312	320	575	-	2	2	2	-	(2)	(0)	1	-	-	-	-	99	1,222	1,217	974	0.379	0.392	0.387	0.387	38	479	471	377
11	20	18	144	1,685	1,700	1,723	-	-	-	-	30	-	-	-	-	-	-	-	-	34	34	281	-	2	2	2	-	(1)	0	3	-	-	-	-	114	1,650	1,663	1,436	0.389	0.394	0.389	0.384	44	651	647	552
11	20	19	145	1,708	1,730	1,758	-	-	-	-	30	-	-	-	-	-	-	-	-	37	37	284	-	2	2	2	-	(1)	2	19	-	-	-	-	115	1,669	1,688	1,453	0.392	0.397	0.393	0.388	45	662	663	564
11	20	20	143	1,686	1,710	1,740	-	-	-	-	33	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	(1)	0	5	-	-	-	-	111	1,649	1,672	1,450	0.392	0.396	0.392	0.388	43	653	655	562
11	20	21	139	1,634	1,658	1,687	-	-	-	-	34	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	1	1	13	-	-	-	-	105	1,597	1,621	1,391	0.390	0.394	0.390	0.386	41	630	632	537
11	20	22	131	1,544	1,568	1,597	-	-	-	-	32	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	1	1	4	-	-	-	-	99	1,510	1,534	1,313	0.386	0.391	0.387	0.382	38	591	594	502
11	20	23	121	1,427	1,451	1,478	-	-	-	-	30	-	-	-	-	-	-	-	-	32	32	279	-	2	2	2	-	5	6	2	-	-	-	-	91	1,388	1,411	1,195	0.379	0.386	0.382	0.382	34	535	539	456
11	20	24	117	1,370	1,390	1,413	-	-	-	-	28	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	9	10	(0)	-	-	-	-	88	1,323	1,341	1,128	0.373	0.376	0.373	0.374	33	497	501	422
11	21	1	103	1,202	1,212	1,227	-	-	-	-	27	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	6	7	1	-	-	-	-	76	1,157	1,167	940	0.369	0.370	0.367	0.369	28	428	428	347
11	21	2	98	1,140	1,144	1,152	-	-	-	-	18	-	-	-	-	-	-	-	-	37	37	284	-	2	2	2	-	12	9	(1)	-	-	-	-	80	1,089	1,095	866	0.370	0.369	0.367	0.368	29	402	402	318
11	21	3	95	1,101	1,099	1,102	-	-	-	-	15	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	1	(1)	0	-	-	-	-	80	1,065	1,065	820	0.370	0.370	0.367	0.366	29	394	390	300
11	21	4	94	1,086	1,079	1,078	-	-	-	-	14	-	-	-	-	-	-	-	-	27	27	274	-	2	2	2	-	0	(0)	(0)	-	-	-	-	80	1,056	1,050	802	0.370	0.368	0.366	0.364	30	388	384	292
11	21	5	97	1,111	1,099	1,093	-	-	-	-	20	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	7	(2)	4	-	-	-	-	77	1,077	1,073	815	0.368	0.365	0.365	0.364	28	394	392	297
11	21	6	104	1,196	1,178	1,169	-	-	-	-	28	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	8	7	(3)	-	-	-	-	77	1,162	1,145	898	0.367	0.372	0.367	0.365	28	432	420	328
11	21	7	116	1,324	1,304	1,295	-	-	-	-	31	-	-	-	-	-	-	-	6	399	399	646	-	2	2	2	-	8	12	5	-	-	-	-	79	915	892	640	0.374	0.380	0.374	0.372	30	347	334	238
11	21	8	123	1,409	1,390	1,382	-	-	-	-	28	-	-	-	-	-	-	-	27	1,438	1,474	1,754	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(27)	(85)	(372)	0.371	0.382	0.383	0.378	25	(10)	(33)	(141)
11	21	9	129	1,484	1,469	1,467	-	-	-	-	20	-	-	-	-	-	-	-	44	2,125	2,216	2,544	-	2	2	2	-	(2)	0	(3)	-	-	-	-	65	(642)	(749)	(1,077)	0.371	0.221	0.220	0.231	24	(142)	(165)	(248)
11	21	10	134	1,536	1,521	1,519	-	-	-	-	13	-	-	-	-	-	-	-	54	2,502	2,629	2,991	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	67	(962)	(1,104)	(1,466)	0.375	0.230	0.227	0.237	25	(221)	(250)	(348)
11	21	11	137	1,570	1,555	1,552	-	-	-	-	13	-	-	-	-	-	-	-	61	2,768	2,918	3,300	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	63	(1,194)	(1,352)	(1,741)	0.377	0.232	0.232	0.000	24	(277)	(314)	-
11	21	12	137	1,580	1,565	1,561	-	-	-	-	13	-	-	-	-	-	-	-	63	2,845	3,008	3,401	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	61	(1,252)	(1,429)	(1,825)	0.384	0.232	0.232	0.000	24	(291)	(332)	-
11	21	13	138	1,588	1,577	1,577	-	-	-	-	13	-	-	-	-	-	-	-	63	2,854	3,019	3,413	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	62	(1,253)	(1,428)	(1,821)	0.384	0.232	0.232	0.000	24	(291)	(332)	-
11	21	14	138	1,591	1,583	1,585	-	-	-	-	13	-	-	-	-	-	-	-	59	2,697	2,848	3,231	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	66	(1,091)	(1,252)	(1,633)	0.384	0.232	0.232	0.000	25	(253)	(291)	-
11	21	15	138	1,594	1,588	1,593	-	-	-	-	14	-	-	-	-	-	-	-	50	2,303	2,430	2,791	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	74	(702)	(834)	(1,188)	0.383	0.232	0.232	0.000	28	(163)	(194)	-
11	21	16	138	1,606	1,608	1,620	-	-	-	-	17	-	-	-	-	-	-	-	30	1,404	1,473	1,781	-	2	2	2	-	(3)	(3)	1	-	-	-	-	92	202	136	(165)	0.366	0.372	0.375	0.386	34	75	51	(64)
11	21	17	143	1,662	1,669	1,685	-	-	-	-	27	-	-	-	-	-	-	-	5	274	281	535	-	2	2	2	-	(2)	(0)	1	-	-	-	-	111	1,388	1,386	1,147	0.379	0.392	0.387	0.387	42	544	537	444
11	21	18	157	1,835	1,854	1,881	-	-	-	-	30	-	-	-	-	-	-	-	-	45	45	292	-	2	2	2	-	(1)	0	3	-	-	-	-	127	1,790	1,807	1,584	0.389	0.394	0.389	0.384	49	706	703	609
11	21	19	157	1,844	1,869	1,901	-	-	-	-	30	-	-	-	-	-	-	-	-	47	47	294	-	2	2	2	-	(1)	2	19	-	-	-	-	127	1,795	1,817	1,586	0.392	0.397	0.393	0.388	50	712	713	616
11	21	20	153	1,803	1,830	1,863	-	-	-	-	33	-	-	-	-	-	-	-	-	39	39	286	-	2	2	2	-	(1)	0	5	-	-	-	-	121	1,763	1,788	1,570	0.392	0.396	0.392	0.388	47	699	701	609
11	21	21	148	1,745	1,771	1,803	-	-	-	-	34	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	1	1	13	-	-	-	-	115	1,711	1,738	1,511	0.390	0.394	0.390	0.386	45	675	678	583
11	21	22	140	1,643	1,669	1,701	-	-	-	-	32	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	1	1	4	-	-	-	-	107	1,616	1,642	1,423	0.386	0.391	0.387	0.382	41	632	635	544
11	21	23	128	1,505	1,530	1,560	-	-	-	-	30	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	5	6	2	-	-	-	-	98	1,485	1,509	1,296	0.379	0.386	0.382	0.382	37	573	577	494
11	21	24	130	1,529	1,552	1,580	-	-	-	-	28	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	9	10	(0)	-	-	-	-	102	1,510	1,532	1,323	0.373	0.376	0.373	0.374	38	568	572	495
11	22	1	107	1,250	1,261	1,277	-	-	-	-	27	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	6	7	1	-	-	-	-	80	1,236	1,247	1,022	0.369	0.370	0.367	0.369	30	458	458	378
11	22	2	101	1,177	1,181	1,191	-	-	-	-	18	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	12	9	(1)	-	-	-	-	83	1,158	1,165	938	0.370	0.369	0.367	0.368	31	427	428	345
11	22	3	98	1,134	1,133	1,137	-	-	-	-	15	-	-	-	-	-	-	-	-	6	6	253	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,125	1,125	882	0.370	0.370	0.367	0.366	31	417	413	323
11	22	4	97	1,117	1,111	1,111	-	-	-	-	14	-	-	-	-	-	-	-	-	5	5	252	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,109	1,103	856	0.370	0.368	0.366	0.364	31	408	404	312
11	22	5	99	1,137	1,126	1,121	-	-	-	-	20	-	-	-	-	-	-	-	-	5	5	252	-	2	2	2	-	7	(2)	4	-	-	-	-	79	1,123	1,120	863	0.368	0.365	0.365	0.364	29	411	409	314
11	22	6	107	1,221	1,204	1,195	-	-	-	-	28	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	8	7	(3)	-	-	-	-	79	1,207	1,191	944	0.367	0.372	0.367	0.365	29	449	436	345
11	22	7	118	1,346	1,327	1,318	-	-	-	-	31	-	-	-	-	-	-	-	6	393	393	641	-	2	2	2	-	8	12	5	-	-	-	-	81	942	920	669	0.374	0.380	0.374	0.372	30	358	344	249
11	22	8	125	1,431	1,412	1,405	-	-	-	-	28	-	-	-	-	-	-	-	28	1,467	1,507	1,790	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(33)	(95)	(385)	0.371	0.382	0.383	0.378	26	(12)	(36)	(145)
11	22	9	130	1,489	1,475	1,472	-	-	-	-	20	-	-	-	-	-	-	-	46	2,193	2,293	2,628	-	2	2	2	-	(2)	0	(3)	-	-	-	-	63	(705)	(821)	(1,155)	0.371	0.221	0.220	0.231	23	(156)	(181)	(267)
11	22	10	133	1,532	1,517	1,515	-	-	-	-	13	-	-	-	-	-	-	-	57	2,597	2,738	3,111	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	63	(1,061)	(1,216)	(1,591)	0.375	0.230	0.227	0.237	24	(244)	(276)	(377)
11	22	11	136	1,564	1,548	1,545	-	-	-	-	13	-	-	-	-	-	-	-	63	2,783	2,949	3,344	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	60	(1,215)	(1,389)	(1,793)	0.377	0.232	0.232	0.000	22	(282)	(322)	-

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	22	12	137	1,579	1,564	1,560	-	-	-	-	13	-	-	-	-	-	-	-	65	2,853	3,029	3,434	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	59	(1,260)	(1,451)	(1,859)	0.384	0.232	0.232	0.000	23	(293)	(337)	-
11	22	13	138	1,584	1,573	1,573	-	-	-	-	13	-	-	-	-	-	-	-	65	2,830	3,005	3,409	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	60	(1,233)	(1,418)	(1,821)	0.384	0.232	0.232	0.000	23	(286)	(329)	-
11	22	14	138	1,594	1,586	1,588	-	-	-	-	13	-	-	-	-	-	-	-	61	2,694	2,856	3,248	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	64	(1,085)	(1,256)	(1,647)	0.384	0.232	0.232	0.000	25	(252)	(292)	-
11	22	15	138	1,595	1,589	1,593	-	-	-	-	14	-	-	-	-	-	-	-	52	2,309	2,443	2,811	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	72	(707)	(846)	(1,207)	0.383	0.232	0.232	0.000	28	(164)	(197)	-
11	22	16	138	1,607	1,609	1,620	-	-	-	-	17	-	-	-	-	-	-	-	31	1,422	1,496	1,809	-	2	2	2	-	(3)	(3)	1	-	-	-	-	91	185	113	(193)	0.366	0.372	0.375	0.386	33	69	42	(74)
11	22	17	143	1,670	1,677	1,693	-	-	-	-	27	-	-	-	-	-	-	-	5	243	251	505	-	2	2	2	-	(2)	(0)	1	-	-	-	-	112	1,427	1,424	1,185	0.379	0.392	0.387	0.387	42	560	551	459
11	22	18	156	1,830	1,849	1,875	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	2	2	2	-	(1)	0	3	-	-	-	-	126	1,808	1,824	1,601	0.389	0.394	0.389	0.384	49	713	710	615
11	22	19	156	1,836	1,861	1,893	-	-	-	-	30	-	-	-	-	-	-	-	-	23	23	270	-	2	2	2	-	(1)	2	19	-	-	-	-	126	1,812	1,833	1,602	0.392	0.397	0.393	0.388	50	719	720	622
11	22	20	153	1,799	1,826	1,858	-	-	-	-	33	-	-	-	-	-	-	-	-	22	22	269	-	2	2	2	-	(1)	0	5	-	-	-	-	120	1,776	1,801	1,582	0.392	0.396	0.392	0.388	47	704	706	614
11	22	21	148	1,743	1,769	1,801	-	-	-	-	34	-	-	-	-	-	-	-	-	20	20	267	-	2	2	2	-	1	1	13	-	-	-	-	115	1,720	1,746	1,519	0.390	0.394	0.390	0.386	45	678	681	586
11	22	22	140	1,651	1,677	1,709	-	-	-	-	32	-	-	-	-	-	-	-	-	21	21	268	-	2	2	2	-	1	1	4	-	-	-	-	108	1,627	1,653	1,434	0.386	0.391	0.387	0.382	42	636	640	548
11	22	23	129	1,521	1,547	1,577	-	-	-	-	30	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	5	6	2	-	-	-	-	99	1,490	1,515	1,302	0.379	0.386	0.382	0.382	37	575	579	497
11	22	24	130	1,530	1,553	1,581	-	-	-	-	28	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	9	10	(0)	-	-	-	-	102	1,494	1,516	1,307	0.373	0.376	0.373	0.374	38	562	566	489
11	23	1	108	1,264	1,276	1,292	-	-	-	-	27	-	-	-	-	-	-	-	-	28	28	275	-	2	2	2	-	6	7	1	-	-	-	-	81	1,227	1,238	1,013	0.369	0.370	0.367	0.369	30	454	454	374
11	23	2	102	1,191	1,196	1,206	-	-	-	-	18	-	-	-	-	-	-	-	-	34	34	281	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,143	1,151	923	0.370	0.369	0.367	0.368	31	422	422	339
11	23	3	99	1,145	1,144	1,149	-	-	-	-	15	-	-	-	-	-	-	-	-	29	29	276	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,112	1,113	870	0.370	0.370	0.367	0.366	31	412	408	318
11	23	4	98	1,129	1,123	1,123	-	-	-	-	14	-	-	-	-	-	-	-	-	26	26	273	-	2	2	2	-	0	(0)	(0)	-	-	-	-	84	1,100	1,095	848	0.370	0.368	0.366	0.364	31	404	401	309
11	23	5	101	1,159	1,148	1,143	-	-	-	-	20	-	-	-	-	-	-	-	-	23	23	270	-	2	2	2	-	7	(2)	4	-	-	-	-	81	1,127	1,124	867	0.368	0.365	0.365	0.364	30	412	411	315
11	23	6	108	1,239	1,222	1,214	-	-	-	-	28	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	8	7	(3)	-	-	-	-	80	1,193	1,177	931	0.367	0.372	0.367	0.365	29	443	431	340
11	23	7	118	1,348	1,330	1,320	-	-	-	-	31	-	-	-	-	-	-	-	8	537	537	785	-	2	2	2	-	8	12	5	-	-	-	-	79	801	778	528	0.374	0.380	0.374	0.372	30	304	291	196
11	23	8	125	1,429	1,410	1,403	-	-	-	-	28	-	-	-	-	-	-	-	28	1,535	1,573	1,854	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	69	(103)	(163)	(452)	0.371	0.382	0.383	0.378	26	(39)	(63)	(171)
11	23	9	130	1,495	1,481	1,479	-	-	-	-	20	-	-	-	-	-	-	-	46	2,246	2,346	2,682	-	2	2	2	-	(2)	0	(3)	-	-	-	-	64	(752)	(868)	(1,202)	0.371	0.221	0.220	0.231	24	(166)	(191)	(277)
11	23	10	134	1,540	1,525	1,524	-	-	-	-	13	-	-	-	-	-	-	-	58	2,692	2,835	3,209	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	63	(1,149)	(1,305)	(1,681)	0.375	0.230	0.227	0.237	24	(264)	(296)	(399)
11	23	11	137	1,568	1,553	1,550	-	-	-	-	13	-	-	-	-	-	-	-	64	2,900	3,068	3,465	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	59	(1,327)	(1,502)	(1,908)	0.377	0.232	0.232	0.000	22	(308)	(349)	-
11	23	12	137	1,579	1,564	1,560	-	-	-	-	13	-	-	-	-	-	-	-	66	2,950	3,128	3,534	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	59	(1,357)	(1,550)	(1,960)	0.384	0.232	0.232	0.000	23	(315)	(360)	-
11	23	13	137	1,575	1,563	1,563	-	-	-	-	13	-	-	-	-	-	-	-	66	2,961	3,140	3,546	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	58	(1,374)	(1,562)	(1,969)	0.384	0.232	0.232	0.000	22	(319)	(363)	-
11	23	14	137	1,580	1,571	1,573	-	-	-	-	13	-	-	-	-	-	-	-	63	2,892	3,057	3,452	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	61	(1,298)	(1,472)	(1,866)	0.384	0.232	0.232	0.000	24	(301)	(342)	-
11	23	15	136	1,577	1,571	1,574	-	-	-	-	14	-	-	-	-	-	-	-	54	2,541	2,676	3,044	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	69	(957)	(1,098)	(1,459)	0.383	0.232	0.232	0.000	26	(222)	(255)	-
11	23	16	137	1,585	1,587	1,598	-	-	-	-	17	-	-	-	-	-	-	-	33	1,656	1,730	2,043	-	2	2	2	-	(3)	(3)	1	-	-	-	-	87	(71)	(143)	(449)	0.366	0.372	0.375	0.386	32	(26)	(54)	(173)
11	23	17	142	1,659	1,667	1,682	-	-	-	-	27	-	-	-	-	-	-	-	5	362	369	623	-	2	2	2	-	(2)	(0)	1	-	-	-	-	110	1,298	1,295	1,057	0.379	0.392	0.387	0.387	42	509	501	409
11	23	18	156	1,822	1,840	1,866	-	-	-	-	30	-	-	-	-	-	-	-	-	93	93	340	-	2	2	2	-	(1)	0	3	-	-	-	-	126	1,729	1,745	1,522	0.389	0.394	0.389	0.384	49	682	679	585
11	23	19	156	1,827	1,852	1,883	-	-	-	-	30	-	-	-	-	-	-	-	-	84	84	331	-	2	2	2	-	(1)	2	19	-	-	-	-	126	1,741	1,762	1,531	0.392	0.397	0.393	0.388	49	691	692	595
11	23	20	152	1,783	1,809	1,841	-	-	-	-	33	-	-	-	-	-	-	-	-	80	80	327	-	2	2	2	-	(1)	0	5	-	-	-	-	119	1,702	1,726	1,507	0.392	0.396	0.392	0.388	47	674	677	584
11	23	21	147	1,729	1,755	1,787	-	-	-	-	34	-	-	-	-	-	-	-	-	86	86	333	-	2	2	2	-	1	1	13	-	-	-	-	113	1,640	1,666	1,439	0.390	0.394	0.390	0.386	44	647	650	555
11	23	22	140	1,645	1,672	1,703	-	-	-	-	32	-	-	-	-	-	-	-	-	85	85	332	-	2	2	2	-	1	1	4	-	-	-	-	107	1,557	1,583	1,364	0.386	0.391	0.387	0.382	41	609	613	521
11	23	23	129	1,522	1,548	1,579	-	-	-	-	30	-	-	-	-	-	-	-	-	87	87	334	-	2	2	2	-	5	6	2	-	-	-	-	99	1,428	1,453	1,240	0.379	0.386	0.382	0.382	38	551	555	473
11	23	24	129	1,523	1,546	1,574	-	-	-	-	28	-	-	-	-	-	-	-	-	82	82	329	-	2	2	2	-	9	10	(0)	-	-	-	-	101	1,429	1,451	1,242	0.373	0.376	0.373	0.374	38	537	542	465
11	24	1	108	1,267	1,279	1,295	-	-	-	-	27	-	-	-	-	-	-	-	-	66	66	313	-	2	2	2	-	6	7	1	-	-	-	-	82	1,193	1,204	979	0.369	0.370	0.367	0.369	30	442	442	362
11	24	2	102	1,189	1,194	1,203	-	-	-	-	18	-	-	-	-	-	-	-	-	50	50	297	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,125	1,132	905	0.370	0.369	0.367	0.368	31	415	415	333
11	24	3	98	1,134	1,133	1,137	-	-	-	-	15	-	-	-	-	-	-	-	-	41	41	288	-	2	2	2	-	1	(1)	0	-	-	-	-	83	1,090	1,090	847	0.370	0.370	0.367	0.366	31	404	400	310
11	24	4	96	1,107	1,101	1,101	-	-	-	-	14	-	-	-	-	-	-	-	-	39	39	286	-	2	2	2	-	0	(0)	(0)	-	-	-	-	82	1,065	1,059	812	0.370	0.368	0.366	0.364	30	392	388	295
11	24	5	96	1,105	1,093	1,087	-	-	-	-	20	-	-	-	-	-	-	-	-	41	41	288	-	2	2	2	-	7	(2)	4	-	-	-	-	76	1,055	1,051	792	0.368	0.365	0.365	0.364	28	385	384	288
11	24	6	99	1,133	1,114	1,103	-	-	-	-	28	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	8	7	(3)	-	-	-	-	71	1,089	1,070	822	0.367	0.372	0.367	0.365	26	405	392	300
11	24	7	103	1,168	1,145	1,131	-	-	-	-	31	-	-	-	-	-	-	-	6	429	430	677	-	2	2	2	-	8	12	5	-	-	-	-	65	728	702	446	0.374	0.380	0.374	0.372	24	277	263	166
11	24	8	106	1,206	1,183	1,170	-	-	-	-	28	-	-	-	-	-	-	-	27	1,441	1,479	1,759	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	51	(232)	(297)	(590)	0.371	0.382	0.383	0.378	19	(89)	(114)	(223)
11	24	9	112	1,276	1,256	1,248	-	-	-	-	20	-	-	-	-	-	-	-	45	2,158	2,253	2,585	-	2	2	2	-	(2)	0	(3)	-	-	-	-	46	(883)	(1,000)	(1,337)	0.371	0.221	0.220	0.231	17	(195)	(220)	(308)
11	24	10	117	1,336	1,316	1,309	-	-	-	-	13	-	-	-	-	-	-	-	56	2,579	2,714	3,082	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	48	(1,239)	(1,393)	(1,768)	0.375	0.230	0.227	0.237	18	(285)	(316)	(419)
11	24	11	121	1,387	1,367	1,359	-	-	-	-	13	-	-	-	-	-	-	-	62	2,788	2,947	3,336	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	45	(1,397)	(1,568)	(1,970)	0.377	0.232	0.232	0.000	17	(324)	(364)	-
11	24	12	124	1,420	1,402	1,394	-	-	-	-	13	-	-	-	-	-	-	-	63	2,790	2,954	3,349	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	48	(1,356)	(1,539)	(1,941)	0.384	0.232	0.232	0.000	19	(315)	(357)	-
11	24	13	126	1,448	1,434	1,430	-	-	-	-	13	-	-	-	-	-	-	-	63	2,805	2,968	3,361	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	50	(1,343)	(1,520)	(1,917)	0.384	0.232	0.232	0.000	19	(312)	(353)	-
11	24	14	127	1,457	1,445	1,444	-	-	-	-	13	-	-	-	-	-	-	-	58	2,649	2,794	3,170	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	56	(1,178)	(1,335)	(1,714)	0.384	0.232	0.232	0.000	21	(273)	(310)	-
11	24	15	126	1,458	1,450	1,450	-	-	-	-	14	-	-	-	-	-	-	-	49	2,281	2,390	2,736	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	64	(815)	(933)	(1,275)	0.383	0.232	0.232	0.000	25	(189)	(217)	-
11	24	16	126	1,465	1,463	1,471	-	-	-	-	17	-	-	-	-	-	-	-	28	1,379	1,438	1,738	-	2	2	2	-	(3)	(3)	1	-	-	-	-	81	86	26	(270)	0.366	0.372	0.375	0.386	30	32	10	(104)
11	24	17	129	1,497	1,500	1,512	-	-	-	-	27	-	-	-	-	-	-	-	4	218	223	475	-	2	2	2	-	(2)	(0)	1	-	-	-	-	98	1,279	1,275	1,034	0.379	0.392	0.387	0.387	37	502	494	400
11	24	18	137	1,595	1,608	1,628	-	-	-	-	30	-	-	-	-	-	-	-	-	12	12	259	-	2	2	2	-	(1)	0	3	-	-	-	-	106	1,582	1,593	1,363	0.389	0.394	0.389	0.384	41	624	620	524
11	24	19	134	1,570	1,588	1,613	-	-	-	-	30	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	(1)	2	19	-	-	-	-	104	1,559	1,574	1,336	0.392	0.397	0.393	0.388	41	618	618	519
11	24	20	131	1,538	1,558	1,584	-	-	-	-	33	-	-	-	-	-	-	-	-	9	9	256	-	2	2	2	-	(1)	0	5	-	-	-	-	98	1,528	1,547	1,321	0.392	0.396	0.392	0.388	39	605	606	512
11	24	21	128	1,503	1,524	1,549	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	2	2	2	-	1	1	13	-	-	-	-	94	1,495	1,516	1,283	0.390	0.394	0.390	0.386	37	590	591	495
11	24	22	124	1,457	1,478	1,505	-	-	-	-	32	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	1	1	4	-	-	-	-	91	1,451	1,472	1,249	0.386	0.391	0.387	0.382	35	568	570	477
11	24	23	118	1,387	1,410	1,437	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	5	6	2	-	-	-	-	88	1,380	1,402	1,185	0.379	0.386	0.382	0.382	33	532	535	452
11	24	24	121	1,423	1,443	1,468	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	93	1,412	1,431	1,219	0.373	0.376	0.373	0.374	35	531	534	456
11	25	1	103	1,209	1,219	1,234	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	77	1,200	1,210	983	0.369	0.370	0.367	0.369	28	444	444	363
11	25	2	98	1,143	1,147	1,156	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	80	1,129	1,135	907	0.370	0.369	0.367	0.368	30	417	417	333
11	25	3	95	1,100	1,098	1,101	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	(1)	0	-	-	-	-	80	1,096	1,096	851	0.370	0.370	0.367	0.366	29	406	402	312
11	25	4	94	1,081	1,074	1,073	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	0	(0)	(0)	-	-	-	-	80	1,078	1,072	824	0.370	0.368	0.366	0.364	30	396	392	300
11	25	5	95	1,088	1,075	1,069	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	7	(2)	4	-	-	-	-	75	1,079	1,075	816	0.368	0.365	0.365	0.364	27	394	393	297
11	25	6	99	1,131	1,112	1,100	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	8	7	(3)	-	-	-	-	71	1,121	1,103	854	0.367	0.372	0.367	0.365	26	417	404	312
11	25	7	104	1,183	1,161	1,147	-	-	-	-	31	-	-	-	-	-	-	-	2	130	130	377	-	2	2	2	-	8	12	5	-	-	-	-	71	1,043	1,017	762	0.374	0.380	0.374	0.372	27	396	381	283
11	25	8	108	1,225	1,202	1,189	-	-	-	-	28	-	-	-	-	-	-	-	19	1,053	1,074	1,340	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	61	175	128	(151)	0.371	0.382	0.383	0.378	23	67	49	(57)
11	25	9	112	1,280	1,260	1,253	-	-	-	-	20	-	-	-	-	-	-	-	30	1,542	1,591	1,882	-	2	2	2	-	(2)	0	(3)	-	-	-	-	62	(262)	(333)	(628)	0.371	0.221	0.220	0.231	23	(58)	(73)	(145)
11	25	10	117	1,332	1,313	1,305	-	-	-	-	13	-	-	-	-	-	-	-	43	2,118	2,198	2,516	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	61	(782)	(880)	(1,205)	0.375	0.230	0.227	0.237	23	(180)	(200)	(286)
11	25	11	120	1,371	1,351	1,343	-	-	-	-	13	-	-	-	-	-	-	-	50	2,420	2,526	2,867	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	56	(1,045)	(1,162)	(1,517)	0.377	0.232	0.232	0.000	21	(243)	(270)	-
11	25	12	121	1,388	1,368	1,360	-	-	-	-	13	-	-	-	-	-	-	-	56	2,633	2,754	3,109	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	53	(1,231)	(1,371)	(1,735)	0.384	0.232	0.232	0.000	20	(286)	(318)	-
11	25	13	122	1,401	1,386	1,381	-	-	-	-	13	-	-	-	-	-	-	-	55	2,634	2,752	3,106	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	54	(1,219)	(1,353)	(1,710)	0.384	0.232	0.232	0.000	21	(283)	(314)	-
11	25	14	122	1,407	1,394	1,391	-	-	-	-	13	-	-	-	-	-	-	-	42	2,015	2,104	2,430	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	68	(594)	(696)	(1,026)	0.384	0.232	0.232	0.000	26	(138)	(162)	-
11	25	15	122	1,411	1,401	1,400	-	-	-	-	14	-	-	-	-	-	-	-	32	1,507	1,574	1,882	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	77	(89)	(166)	(471)	0.383	0.232	0.232	0.000	30	(21)	(38)	-
11	25	16	124	1,430	1,428	1,435	-	-	-	-	17	-	-	-	-	-	-	-	17	836	873	1,152	-	2	2	2	-	(3)	(3)	1	-	-	-	-	89	594	556	279	0.366	0.372	0.375	0.386	33	221	209	108
11	25	17	130	1,506	1,510	1,522	-	-	-	-	27	-	-	-	-	-	-	-	1	75	77	326	-	2	2	2	-	(2)	(0)	1	-	-	-	-	101	1,431	1,431	1,193	0.379	0.392	0.387	0.387	38	561	554	462
11	25	18	144	1,680	1,695	1,717	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	3	-	-	-	-	114	1,679	1,692	1,465	0.389	0.394	0.389	0.384	44	662	659	563
11	25	19	144	1,687	1,709	1,737	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	114	1,686	1,704	1,469	0.392	0.397	0.393	0.388	45	669	669	570
11	25	20	141	1,653	1,676	1,705	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	108	1,652	1,673	1,451	0.392	0.396	0.392	0.388	42	654	656	563
11	25	21	137	1,610	1,633	1,661	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	103	1,606	1,629	1,399	0.390	0.394	0.390	0.386	40	633	636	540
11	25	22	131	1,543	1,566	1,595	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	99	1,539	1,563	1,341	0.386	0.391	0.387	0.382	38	602	605	513
11	25	23	123	1,451	1,475	1,503	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	5	6	2	-	-	-	-	93	1,444	1,467	1,251	0.379	0.386	0.382	0.382	35	557	560	477
11	25	24	119	1,398	1,418	1,442	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	9	10	(0)	-	-	-	-	91	1,386	1,405	1,193	0.373	0.376	0.373	0.374	34	521	525	447
11	26	1	106	1,238	1,249	1,264	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	6	7	1	-	-	-	-	79	1,229	1,239	1,013	0.369	0.370	0.367	0.369	29	455	455	374
11	26	2	101	1,171	1,175	1,184	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	12	9	(1)	-	-	-	-	82	1,157	1,164	936	0.370	0.369	0.367	0.368	30	427	427	344
11	26	3	97	1,126	1,125	1,129	-	-	-	-	15	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	1	(1)	0	-	-	-	-	82	1,122	1,123	879	0.370	0.370	0.367	0.366	30	416	412	322
11	26	4	96	1,103	1,096	1,096	-	-	-	-	14	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	0	(0)	(0)	-	-	-	-	81	1,098	1,092	845	0.370	0.368	0.366	0.364	30	404	400	307
11	26	5	96	1,104	1,091	1,085	-	-	-	-	20	-	-	-	-	-	-	-	-	6	6	253	-	2	2	2	-	7	(2)	4	-	-	-	-	76	1,089	1,085	827	0.368	0.365	0.365	0.364	28	398	396	301
11	26	6	99	1,134	1,115	1,103	-	-	-	-	28	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	8	7	(3)	-	-	-	-	71	1,111	1,092	844	0.367	0.372	0.367	0.365	26	413	400	308
11	26	7	104	1,187	1,165	1,152	-	-	-	-	31	-	-	-	-	-	-	-	5	317	317	564	-	2	2	2	-	8	12	5	-	-	-	-	69	860	834	580	0.374	0.380	0.374	0.372	26	327	312	215
11	26	8	108	1,226	1,203	1,190	-	-	-	-	28	-	-	-	-	-	-	-	23	1,222	1,256	1,534	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	57	7	(54)	(344)	0.371	0.382	0.383	0.378	21	3	(21)	(130)
11	26	9	113	1,294	1,275	1,268	-	-	-	-	20	-	-	-	-	-	-	-	43	2,076	2,165	2,491	-	2	2	2	-	(2)	0	(3)	-	-	-	-	50	(783)	(893)	(1,223)	0.371	0.221	0.220	0.231	19	(173)	(196)	(282)
11	26	10	118	1,344	1,325	1,318	-	-	-	-	13	-	-	-	-	-	-	-	55	2,534	2,663	3,025	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	50	(1,186)	(1,333)	(1,701)	0.375	0.230	0.227	0.237	19	(272)	(302)	(403)
11	26	11	120	1,375	1,356	1,347	-	-	-	-	13	-	-	-	-	-	-	-	61	2,787	2,939	3,323	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	45	(1,408)	(1,572)	(1,969)	0.377	0.232	0.232	0.000	17	(327)	(365)	-
11	26	12	122	1,397	1,378	1,369	-	-	-	-	13	-	-	-	-	-	-	-	63	2,822	2,983	3,374	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	46	(1,412)	(1,591)	(1,990)	0.384	0.232	0.232	0.000	18	(328)	(370)	-
11	26	13	125	1,433	1,418	1,414	-	-	-	-	13	-	-	-	-	-	-	-	62	2,805	2,961	3,348	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	50	(1,359)	(1,529)	(1,919)	0.384	0.232	0.232	0.000	19	(316)	(355)	-
11	26	14	129	1,484	1,473	1,472	-	-	-	-	13	-	-	-	-	-	-	-	59	2,642	2,788	3,166	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	58	(1,144)	(1,302)	(1,681)	0.384	0.232	0.232	0.000	22	(266)	(302)	-
11	26	15	130	1,502	1,494	1,496	-	-	-	-	14	-	-	-	-	-	-	-	49	2,246	2,365	2,719	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	67	(736)	(863)	(1,212)	0.383	0.232	0.232	0.000	26	(171)	(200)	-
11	26	16	129	1,500	1,500	1,508	-	-	-	-	17	-	-	-	-	-	-	-	27	1,235	1,297	1,600	-	2	2	2	-	(3)	(3)	1	-	-	-	-	86	265	203	(95)	0.366	0.372	0.375	0.386	32	99	76	(37)
11	26	17	136	1,578	1,584	1,598	-	-	-	-	27	-	-	-	-	-	-	-	3	172	178	430	-	2	2	2	-	(2)	(0)	1	-	-	-	-	105	1,407	1,405	1,165	0.379	0.392	0.387	0.387	40	552	544	451
11	26	18	147	1,723	1,739	1,763	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	0	3	-	-	-	-	117	1,722	1,737	1,511	0.389	0.394	0.389	0.384	46	679	676	581
11	26	19	148	1,735	1,758	1,787	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	2	19	-	-	-	-	118	1,734	1,753	1,519	0.392	0.397	0.393	0.388	46	688	688	590
11	26	20	146	1,713	1,737	1,768	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	113	1,712	1,734	1,514	0.392	0.396	0.392	0.388	44	678	680	587
11	26	21	143	1,678	1,703	1,733	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	109	1,675	1,699	1,471	0.390	0.394	0.390	0.386	43	660	663	568
11	26	22	136	1,606	1,632	1,662	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	104	1,603	1,628	1,408	0.386	0.391	0.387	0.382	40	627	630	538

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
11	26	23	128	1,503	1,529	1,559	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	5	6	2	-	-	-	-	97	1,496	1,521	1,307	0.379	0.386	0.382	0.382	37	577	581	499
11	26	24	123	1,449	1,470	1,496	-	-	-	-	28	-	-	-	-	-	-	-	-	2	2	249	-	2	2	2	-	9	10	(0)	-	-	-	-	95	1,436	1,456	1,245	0.373	0.376	0.373	0.374	35	540	544	466
11	27	1	109	1,275	1,287	1,303	-	-	-	-	27	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	6	7	1	-	-	-	-	82	1,256	1,267	1,042	0.369	0.370	0.367	0.369	30	465	465	385
11	27	2	103	1,198	1,204	1,213	-	-	-	-	18	-	-	-	-	-	-	-	-	8	8	255	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,176	1,184	957	0.370	0.369	0.367	0.368	31	434	434	352
11	27	3	99	1,146	1,146	1,150	-	-	-	-	15	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	1	(1)	0	-	-	-	-	84	1,133	1,134	891	0.370	0.370	0.367	0.366	31	420	416	326
11	27	4	97	1,117	1,111	1,111	-	-	-	-	14	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	0	(0)	(0)	-	-	-	-	83	1,098	1,092	845	0.370	0.368	0.366	0.364	31	404	400	308
11	27	5	96	1,107	1,095	1,089	-	-	-	-	20	-	-	-	-	-	-	-	-	19	19	266	-	2	2	2	-	7	(2)	4	-	-	-	-	76	1,079	1,075	817	0.368	0.365	0.365	0.364	28	394	393	297
11	27	6	98	1,125	1,106	1,095	-	-	-	-	28	-	-	-	-	-	-	-	-	27	27	274	-	2	2	2	-	8	7	(3)	-	-	-	-	71	1,088	1,070	821	0.367	0.372	0.367	0.365	26	404	392	300
11	27	7	102	1,156	1,133	1,119	-	-	-	-	31	-	-	-	-	-	-	-	0	43	43	290	-	2	2	2	-	8	12	5	-	-	-	-	71	1,103	1,076	821	0.374	0.380	0.374	0.372	26	419	403	305
11	27	8	106	1,201	1,177	1,164	-	-	-	-	28	-	-	-	-	-	-	-	6	282	297	558	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	72	922	879	605	0.371	0.382	0.383	0.378	27	352	337	229
11	27	9	112	1,277	1,258	1,250	-	-	-	-	20	-	-	-	-	-	-	-	17	679	736	1,034	-	2	2	2	-	(2)	0	(3)	-	-	-	-	75	597	519	217	0.371	0.221	0.220	0.231	28	132	114	50
11	27	10	118	1,344	1,325	1,319	-	-	-	-	13	-	-	-	-	-	-	-	25	964	1,053	1,379	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	80	384	277	(55)	0.375	0.230	0.227	0.237	30	88	63	(13)
11	27	11	121	1,380	1,360	1,352	-	-	-	-	13	-	-	-	-	-	-	-	32	1,271	1,373	1,712	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	76	113	(1)	(353)	0.377	0.232	0.232	0.000	29	26	(0)	-
11	27	12	122	1,397	1,378	1,369	-	-	-	-	13	-	-	-	-	-	-	-	42	1,762	1,891	2,254	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	67	(351)	(500)	(871)	0.384	0.232	0.232	0.000	26	(82)	(116)	-
11	27	13	122	1,398	1,383	1,378	-	-	-	-	13	-	-	-	-	-	-	-	49	2,191	2,323	2,689	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	60	(780)	(927)	(1,297)	0.384	0.232	0.232	0.000	23	(181)	(215)	-
11	27	14	120	1,384	1,371	1,368	-	-	-	-	13	-	-	-	-	-	-	-	45	2,060	2,173	2,521	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	63	(662)	(788)	(1,140)	0.384	0.232	0.232	0.000	24	(154)	(183)	-
11	27	15	120	1,379	1,368	1,367	-	-	-	-	14	-	-	-	-	-	-	-	29	1,280	1,365	1,688	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	77	106	11	(311)	0.383	0.232	0.232	0.000	30	25	3	-
11	27	16	122	1,410	1,408	1,414	-	-	-	-	17	-	-	-	-	-	-	-	19	900	953	1,248	-	2	2	2	-	(3)	(3)	1	-	-	-	-	86	511	455	163	0.366	0.372	0.375	0.386	31	190	171	63
11	27	17	131	1,522	1,526	1,539	-	-	-	-	27	-	-	-	-	-	-	-	2	132	136	387	-	2	2	2	-	(2)	(0)	1	-	-	-	-	102	1,391	1,389	1,149	0.379	0.392	0.387	0.387	39	545	538	445
11	27	18	148	1,736	1,753	1,777	-	-	-	-	30	-	-	-	-	-	-	-	-	50	50	297	-	2	2	2	-	(1)	0	3	-	-	-	-	118	1,686	1,700	1,475	0.389	0.394	0.389	0.384	46	665	662	567
11	27	19	152	1,781	1,804	1,835	-	-	-	-	30	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	(1)	2	19	-	-	-	-	122	1,746	1,767	1,534	0.392	0.397	0.393	0.388	48	693	694	596
11	27	20	151	1,772	1,798	1,831	-	-	-	-	33	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	(1)	0	5	-	-	-	-	118	1,733	1,758	1,539	0.392	0.396	0.392	0.388	46	687	689	597
11	27	21	147	1,734	1,761	1,792	-	-	-	-	34	-	-	-	-	-	-	-	-	37	37	284	-	2	2	2	-	1	1	13	-	-	-	-	114	1,694	1,720	1,494	0.390	0.394	0.390	0.386	44	668	671	576
11	27	22	139	1,637	1,663	1,695	-	-	-	-	32	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	1	1	4	-	-	-	-	107	1,610	1,636	1,417	0.386	0.391	0.387	0.382	41	630	633	541
11	27	23	127	1,502	1,528	1,558	-	-	-	-	30	-	-	-	-	-	-	-	-	13	13	260	-	2	2	2	-	5	6	2	-	-	-	-	97	1,483	1,507	1,293	0.379	0.386	0.382	0.382	37	572	576	493
11	27	24	120	1,416	1,436	1,461	-	-	-	-	28	-	-	-	-	-	-	-	-	14	14	261	-	2	2	2	-	9	10	(0)	-	-	-	-	92	1,390	1,409	1,198	0.373	0.376	0.373	0.374	34	523	526	448
11	28	1	108	1,260	1,272	1,288	-	-	-	-	27	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	6	7	1	-	-	-	-	81	1,236	1,247	1,021	0.369	0.370	0.367	0.369	30	457	457	377
11	28	2	103	1,196	1,201	1,211	-	-	-	-	18	-	-	-	-	-	-	-	-	15	15	262	-	2	2	2	-	12	9	(1)	-	-	-	-	84	1,167	1,175	947	0.370	0.369	0.367	0.368	31	431	431	348
11	28	3	100	1,161	1,160	1,165	-	-	-	-	15	-	-	-	-	-	-	-	-	11	11	258	-	2	2	2	-	1	(1)	0	-	-	-	-	85	1,146	1,147	904	0.370	0.370	0.367	0.366	31	424	421	331
11	28	4	100	1,152	1,146	1,147	-	-	-	-	14	-	-	-	-	-	-	-	-	10	10	257	-	2	2	2	-	0	(0)	(0)	-	-	-	-	86	1,139	1,134	888	0.370	0.368	0.366	0.364	32	419	415	323
11	28	5	103	1,186	1,176	1,172	-	-	-	-	20	-	-	-	-	-	-	-	-	18	18	265	-	2	2	2	-	7	(2)	4	-	-	-	-	83	1,159	1,157	901	0.368	0.365	0.365	0.364	31	423	423	328
11	28	6	113	1,294	1,279	1,272	-	-	-	-	28	-	-	-	-	-	-	-	-	16	16	263	-	2	2	2	-	8	7	(3)	-	-	-	-	85	1,268	1,254	1,009	0.367	0.372	0.367	0.365	31	471	459	368
11	28	7	127	1,458	1,442	1,435	-	-	-	-	31	-	-	-	-	-	-	-	4	251	251	498	-	2	2	2	-	8	12	5	-	-	-	-	93	1,196	1,177	930	0.374	0.380	0.374	0.372	35	454	441	345
11	28	8	135	1,550	1,534	1,530	-	-	-	-	28	-	-	-	-	-	-	-	18	1,012	1,030	1,293	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	89	541	504	237	0.371	0.382	0.383	0.378	33	206	193	89
11	28	9	137	1,579	1,567	1,567	-	-	-	-	20	-	-	-	-	-	-	-	30	1,449	1,511	1,814	-	2	2	2	-	(2)	0	(3)	-	-	-	-	87	130	53	(246)	0.371	0.221	0.220	0.231	32	29	12	(57)
11	28	10	139	1,596	1,584	1,583	-	-	-	-	13	-	-	-	-	-	-	-	42	1,863	1,969	2,311	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	85	(262)	(381)	(723)	0.375	0.230	0.227	0.237	32	(60)	(86)	(171)
11	28	11	139	1,599	1,584	1,582	-	-	-	-	13	-	-	-	-	-	-	-	54	2,399	2,535	2,904	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	72	(796)	(939)	(1,315)	0.377	0.232	0.232	0.000	27	(185)	(218)	-
11	28	12	138	1,586	1,571	1,567	-	-	-	-	13	-	-	-	-	-	-	-	60	2,729	2,880	3,262	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	65	(1,130)	(1,295)	(1,681)	0.384	0.232	0.232	0.000	25	(262)	(301)	-
11	28	13	137	1,581	1,570	1,569	-	-	-	-	13	-	-	-	-	-	-	-	57	2,552	2,697	3,074	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	67	(958)	(1,114)	(1,490)	0.384	0.232	0.232	0.000	26	(222)	(259)	-
11	28	14	137	1,580	1,572	1,574	-	-	-	-	13	-	-	-	-	-	-	-	51	2,294	2,418	2,777	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	74	(699)	(833)	(1,190)	0.384	0.232	0.232	0.000	28	(162)	(193)	-
11	28	15	136	1,568	1,561	1,565	-	-	-	-	14	-	-	-	-	-	-	-	43	2,042	2,138	2,470	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	79	(467)	(568)	(895)	0.383	0.232	0.232	0.000	30	(108)	(132)	-
11	28	16	137	1,589	1,591	1,602	-	-	-	-	17	-	-	-	-	-	-	-	20	890	940	1,231	-	2	2	2	-	(3)	(3)	1	-	-	-	-	101	700	652	367	0.366	0.372	0.375	0.386	37	260	245	142
11	28	17	145	1,691	1,699	1,716	-	-	-	-	27	-	-	-	-	-	-	-	2	100	104	355	-	2	2	2	-	(2)	(0)	1	-	-	-	-	116	1,591	1,593	1,358	0.379	0.392	0.387	0.387	44	624	617	526
11	28	18	163	1,908	1,929	1,957	-	-	-	-	30	-	-	-	-	-	-	-	-	1	1	248	-	2	2	2	-	(1)	0	3	-	-	-	-	133	1,906	1,925	1,704	0.389	0.394	0.389	0.384	52	752	749	655
11	28	19	166	1,954	1,982	2,017	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	(1)	2	19	-	-	-	-	136	1,952	1,977	1,749	0.392	0.397	0.393	0.388	53	774	776	679
11	28	20	164	1,933	1,962	1,999	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	(1)	0	5	-	-	-	-	132	1,931	1,960	1,745	0.392	0.396	0.392	0.388	52	765	768	676
11	28	21	159	1,878	1,907	1,943	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	13	-	-	-	-	126	1,874	1,904	1,681	0.390	0.394	0.390	0.386	49	739	743	648
11	28	22	150	1,771	1,800	1,835	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	2	2	2	-	1	1	4	-	-	-	-	118	1,768	1,797	1,581	0.386	0.391	0.387	0.382	46	691	696	604
11	28	23	136	1,609	1,637	1,669	-	-	-	-	30	-	-	-	-	-	-	-	-	0	0	247	-	2	2	2	-	5	6	2	-	-	-	-	106	1,601	1,628	1,417	0.379	0.386	0.382	0.382	40	618	622	541
11	28	24	132	1,553	1,577	1,605	-	-	-	-	28	-	-	-	-	-	-	-	-	4	4	251	-	2	2	2	-	9	10	(0)	-	-	-	-	104	1,538	1,560	1,352	0.373	0.376	0.373	0.374	39	578	582	506
11	29	1	113	1,323	1,336	1,353	-	-	-	-	27	-	-	-	-	-	-	-	-	22	22	269	-	2	2	2	-	6	7	1	-	-	-	-	86	1,292	1,305	1,081	0.369	0.370	0.367	0.369	32	478	479	400
11	29	2	107	1,247	1,254	1,265	-	-	-	-	18	-	-	-	-	-	-	-	-	26	26	273	-	2	2	2	-	12	9	(1)	-	-	-	-	89	1,208	1,216	991	0.370	0.369	0.367	0.368	33	446	446	364
11	29	3	103	1,199	1,199	1,205	-	-	-	-	15	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	1	(1)	0	-	-	-	-	88	1,170	1,172	930	0.370	0.370	0.367	0.366	33	433	430	340
11	29	4	102	1,182	1,177	1,179	-	-	-	-	14	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	0	(0)	(0)	-	-	-	-	88	1,154	1,150	904	0.370	0.368	0.366	0.364	33	424	421	329
11	29	5	105	1,208	1,198	1,195	-	-	-	-	20	-	-	-	-	-	-	-	-	24	24	271	-	2	2	2	-	7	(2)	4	-	-	-	-	85	1,175	1,174	918	0.368	0.365	0.365	0.364	31	429	429	334
11	29	6	114	1,314	1,300	1,293	-	-	-	-	28	-	-	-	-	-	-	-	-	23	23	270	-	2	2	2	-	8	7	(3)	-	-	-	-	87	1,281	1,267	1,024	0.367	0.372	0.367	0.365	32	476	465	374
11	29	7	129	1,477	1,461	1,455	-	-	-	-	31	-	-	-	-	-	-	-	3	200	200	447	-	2	2	2	-	8	12	5	-	-	-	-	95	1,267	1,248	1,001	0.374	0.380	0.374	0.372	36	481	467	372
11	29	8	135	1,552	1,537	1,533	-	-	-	-	28	-	-	-	-	-	-	-	22	1,172	1,201	1,474	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	86	383	335	58	0.371	0.382	0.383	0.378	32	146	129	22
11	29	9	136	1,563	1,550	1,550	-	-	-	-	20	-	-	-	-	-	-	-	39	1,854	1,936	2,255	-	2	2	2	-	(2)	0	(3)	-	-	-	-	77	(292)	(388)	(705)	0.371	0.221	0.220	0.231	29	(65)	(85)	(163)
11	29	10	137	1,577	1,564	1,563	-	-	-	-	13	-	-	-	-	-	-	-	49	2,252	2,371	2,724	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	75	(671)	(802)	(1,156)	0.375	0.230	0.227	0.237	28	(154)	(182)	(274)
11	29	11	138	1,587	1,572	1,569	-	-	-	-	13	-	-	-	-	-	-	-	48	2,116	2,247	2,611	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	76	(525)	(663)	(1,035)	0.377	0.232	0.232	0.000	29	(122)	(154)	-
11	29	12	138	1,587	1,572	1,569	-	-	-	-	13	-	-	-	-	-	-	-	56	2,459	2,608	2,989	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	69	(858)	(1,022)	(1,406)	0.384	0.232	0.232	0.000	27	(199)	(237)	-
11	29	13	137	1,580	1,569	1,568	-	-	-	-	13	-	-	-	-	-	-	-	59	2,612	2,765	3,148	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	66	(1,019)	(1,182)	(1,565)	0.384	0.232	0.232	0.000	25	(237)	(274)	-
11	29	14	136	1,574	1,566	1,568	-	-	-	-	13	-	-	-	-	-	-	-	53	2,329	2,466	2,835	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	71	(740)	(886)	(1,255)	0.384	0.232	0.232	0.000	27	(172)	(206)	-
11	29	15	136	1,572	1,566	1,570	-	-	-	-	14	-	-	-	-	-	-	-	40	1,825	1,927	2,266	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	82	(245)	(353)	(685)	0.383	0.232	0.232	0.000	31	(57)	(82)	-
11	29	16	137	1,593	1,595	1,606	-	-	-	-	17	-	-	-	-	-	-	-	26	1,227	1,283	1,580	-	2	2	2	-	(3)	(3)	1	-	-	-	-	95	366	312	22	0.366	0.372	0.375	0.386	35	136	117	8
11	29	17	145	1,683	1,692	1,708	-	-	-	-	27	-	-	-	-	-	-	-	3	171	177	428	-	2	2	2	-	(2)	(0)	1	-	-	-	-	114	1,512	1,513	1,277	0.379	0.392	0.387	0.387	43	593	586	494
11	29	18	162	1,893	1,913	1,941	-	-	-	-	30	-	-	-	-	-	-	-	-	32	32	279	-	2	2	2	-	(1)	0	3	-	-	-	-	131	1,859	1,878	1,656	0.389	0.394	0.389	0.384	51	733	731	637
11	29	19	164	1,932	1,960	1,994	-	-	-	-	30	-	-	-	-	-	-	-	-	28	28	275	-	2	2	2	-	(1)	2	19	-	-	-	-	134	1,903	1,927	1,698	0.392	0.397	0.393	0.388	53	755	757	660
11	29	20	163	1,916	1,945	1,981	-	-	-	-	33	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	(1)	0	5	-	-	-	-	130	1,890	1,917	1,702	0.392	0.396	0.392	0.388	51	749	751	660
11	29	21	159	1,867	1,896	1,931	-	-	-	-	34	-	-	-	-	-	-	-	-	25	25	272	-	2	2	2	-	1	1	13	-	-	-	-	125	1,838	1,868	1,644	0.390	0.394	0.390	0.386	49	725	729	634
11	29	22	149	1,758	1,787	1,821	-	-	-	-	32	-	-	-	-	-	-	-	-	31	31	278	-	2	2	2	-	1	1	4	-	-	-	-	117	1,724	1,753	1,537	0.386	0.391	0.387	0.382	45	674	678	587
11	29	23	136	1,601	1,629	1,662	-	-	-	-	30	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	5	6	2	-	-	-	-	106	1,559	1,585	1,374	0.379	0.386	0.382	0.382	40	601	606	524
11	29	24	132	1,551	1,575	1,603	-	-	-	-	28	-	-	-	-	-	-	-	-	31	31	278	-	2	2	2	-	9	10	(0)	-	-	-	-	104	1,508	1,530	1,322	0.373	0.376	0.373	0.374	39	567	571	495
11	30	1	113	1,329	1,342	1,360	-	-	-	-	27	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	6	7	1	-	-	-	-	87	1,287	1,299	1,076	0.369	0.370	0.367	0.369	32	476	477	398
11	30	2	108	1,262	1,268	1,280	-	-	-	-	18	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	12	9	(1)	-	-	-	-	90	1,212	1,221	996	0.370	0.369	0.367	0.368	33	447	448	366
11	30	3	105	1,216	1,217	1,223	-	-	-	-	15	-	-	-	-	-	-	-	-	36	36	283	-	2	2	2	-	1	(1)	0	-	-	-	-	89	1,176	1,179	938	0.370	0.370	0.367	0.366	33	436	432	343
11	30	4	104	1,204	1,200	1,202	-	-	-	-	14	-	-	-	-	-	-	-	-	43	43	290	-	2	2	2	-	0	(0)	(0)	-	-	-	-	90	1,159	1,155	910	0.370	0.368	0.366	0.364	33	426	423	331
11	30	5	107	1,235	1,226	1,224	-	-	-	-	20	-	-	-	-	-	-	-	-	44	44	291	-	2	2	2	-	7	(2)	4	-	-	-	-	87	1,182	1,182	927	0.368	0.365	0.365	0.364	32	432	432	337
11	30	6	117	1,342	1,328	1,322	-	-	-	-	28	-	-	-	-	-	-	-	-	33	33	280	-	2	2	2	-	8	7	(3)	-	-	-	-	89	1,299	1,285	1,042	0.367	0.372	0.367	0.365	33	483	471	380
11	30	7	132	1,516	1,501	1,497	-	-	-	-	31	-	-	-	-	-	-	-	0	31	31	278	-	2	2	2	-	8	12	5	-	-	-	-	101	1,474	1,456	1,211	0.374	0.380	0.374	0.372	38	560	545	450
11	30	8	139	1,598	1,583	1,581	-	-	-	-	28	-	-	-	-	-	-	-	1	35	38	289	-	2	2	2	-	(5)	(2)	(2)	-	-	-	-	110	1,565	1,544	1,291	0.371	0.382	0.383	0.378	41	598	592	488
11	30	9	139	1,600	1,588	1,589	-	-	-	-	20	-	-	-	-	-	-	-	4	83	106	373	-	2	2	2	-	(2)	0	(3)	-	-	-	-	115	1,516	1,480	1,217	0.371	0.221	0.220	0.231	43	335	326	281
11	30	10	139	1,598	1,585	1,585	-	-	-	-	13	-	-	-	-	-	-	-	7	150	194	479	-	2	2	2	-	(6)	(7)	(8)	-	-	-	-	119	1,451	1,396	1,111	0.375	0.230	0.227	0.237	45	333	317	263
11	30	11	140	1,608	1,594	1,592	-	-	-	-	13	-	-	-	-	-	-	-	9	207	262	559	-	2	2	2	-	(7)	(14)	(9)	-	-	-	-	117	1,406	1,344	1,040	0.377	0.232	0.232	0.000	44	326	312	-
11	30	12	139	1,599	1,584	1,581	-	-	-	-	13	-	-	-	-	-	-	-	10	241	303	605	-	2	2	2	-	(16)	(16)	(17)	-	-	-	-	116	1,372	1,295	990	0.384	0.232	0.232	0.000	45	318	301	-
11	30	13	138	1,588	1,577	1,577	-	-	-	-	13	-	-	-	-	-	-	-	10	232	290	589	-	2	2	2	-	(15)	(16)	(17)	-	-	-	-	115	1,370	1,302	1,003	0.384	0.232	0.232	0.000	44	318	302	-
11	30	14	137	1,582	1,573	1,575	-	-	-	-	13	-	-	-	-	-	-	-	10	247	304	601	-	2	2	2	-	(17)	(16)	(15)	-	-	-	-	115	1,349	1,283	987	0.384	0.232	0.232	0.000	44	313	298	-
11	30	15	136	1,575	1,569	1,573	-	-	-	-	14	-	-	-	-	-	-	-	9	200	252	544	-	2	2	2	-	(10)	(10)	(13)	-	-	-	-	114	1,382	1,325	1,039	0.383	0.232	0.232	0.000	44	321	308	-
11	30	16	138	1,600	1,602	1,613	-	-	-	-	17	-	-	-	-	-	-	-	9	387	421	697	-	2	2	2	-	(3)	(3)	1	-	-	-	-	112	1,213	1,182	912	0.366	0.372	0.375	0.386	41	451	444	352
11	30	17	146	1,704	1,712	1,729	-	-	-	-	27	-	-	-	-	-	-	-	1	40	43	293	-	2	2	2	-	(2)	(0)	1	-	-	-	-	118	1,664	1,667	1,433	0.379	0.392	0.387	0.387	45	653	645	555
11	30	18	163	1,912	1,933	1,961	-	-	-	-	30	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	(1)	0	3	-	-	-	-	133	1,881	1,900	1,679	0.389	0.394	0.389	0.384	52	742	740	645
11	30	19	166	1,948	1,976	2,010	-	-	-	-	30	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	(1)	2	19	-	-	-	-	136	1,912	1,936	1,708	0.392	0.397	0.393	0.388	53	758	760	663
11	30	20	164	1,931	1,961	1,997	-	-	-	-	33	-	-	-	-	-	-	-	-	35	35	282	-	2	2	2	-	(1)	0	5	-	-	-	-	131	1,895	1,923	1,708	0.392	0.396	0.392	0.388	52	751	754	662
11	30	21	160	1,882	1,912	1,948	-	-	-	-	34	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	1	1	13	-	-	-	-	126	1,841	1,871	1,648	0.390	0.394	0.390	0.386	49	726	730	636
11	30	22	151	1,780	1,809	1,844	-	-	-	-	32	-	-	-	-	-	-	-	-	38	38	285	-	2	2	2	-	1	1	4	-	-	-	-	119	1,738	1,767	1,552	0.386	0.391	0.387	0.382	46	680	684	593
11	30	23	138	1,623	1,651	1,684	-	-	-	-	30	-	-	-	-	-	-	-	-	30	30	277	-	2	2	2	-	5	6	2	-	-	-	-	108	1,586	1,613	1,403	0.379	0.386	0.382	0.382	41	612	616	535
11	30	24	133	1,560	1,584	1,613	-	-	-	-	28	-	-	-	-	-	-	-	-	34	34	281	-	2	2	2	-	9	10	(0)	-	-	-	-	104	1,515	1,537	1,329	0.373	0.376	0.373	0.374	39	569	574	498
12	1	1	114	1,334	1,343	1,357	-	-	-	-	34	-	-	-	-	-	-	-	-	48	48	295	-	34	34	34	-	18	8	0	-	-	-	-	80	1,234	1,253	1,027	0.367	0.388	0.382	0.373	29	479	479	384
12	1	2	108	1,259	1,261	1,269	-	-	-	-	30	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	2	2	-	-	-	-	-	78	1,164	1,167	930	0.365	0.389	0.383	0.372	28	453	447	346
12	1	3	104	1,209	1,204	1,206	-	-	-	-	25	-	-	-	-	-	-	-	-	55	55	302	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,120	1,117	867	0.365	0.388	0.382	0.370	29	434	427	321
12	1	4	103	1,187	1,178	1,175	-	-	-	-	19	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	84	1,093	1,085	835	0.365	0.386	0.381	0.369	31	422	414	308
12	1	5	106	1,215	1,202	1,196	-	-	-	-	23	-	-	-	-	-	-	-	-	71	71	318	-	34	34	34	-	13	-	-	-	-	-	-	83	1,097	1,097	844	0.365	0.384	0.379	0.365	30	421	415	308
12	1	6	115	1,318	1,301	1,291	-	-	-	-	30	-	-	-	-	-	-	-	-	55	55	302	-	34	34	34	-	1	10	(4)	-	-	-	-	85	1,228	1,201	959	0.365	0.382	0.375	0.364	31	469	450	349
12	1	7	130	1,488	1,471	1,464	-	-	-	-	31	-	-	-	-	-	-	-	2	199	199	446	-	34	34	34	-	14	7	11	-	-	-	-	97	1,242	1,232	973	0.365	0.385	0.377	0.364	35	478	464	354
12	1	8	137	1,576	1,561	1,558	-	-	-	-	26	-	-	-	-	-	-	-	23	1,327	1,355	1,626	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	88	218	175	(97)	0.368	0.382	0.377	0.381	32	83	66	(37)
12	1	9	139	1,602	1,591	1,593	-	-	-	-	16	-	-	-	-	-	-	-	41	2,062	2,141	2,458	-	34	34	34	-	(3)	(1)	5	-	-	-	-	83	(490)	(583)	(904)	0.372	0.364	0.365	0.394	31	(178)	(213)	(356)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	1	10	140	1,613	1,601	1,602	-	-	-	-	13	-	-	-	-	-	-	-	51	2,461	2,576	2,925	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	76	(877)	(994)	(1,338)	0.377	0.384	0.384	0.000	29	(337)	(382)	-
12	1	11	140	1,612	1,598	1,596	-	-	-	-	12	-	-	-	-	-	-	-	57	2,616	2,761	3,137	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(1,021)	(1,181)	(1,559)	0.384	0.384	0.384	0.000	27	(392)	(453)	-
12	1	12	139	1,597	1,582	1,578	-	-	-	-	11	-	-	-	-	-	-	-	62	2,868	3,019	3,402	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	66	(1,288)	(1,455)	(1,842)	0.384	0.384	0.384	0.000	25	(494)	(559)	-
12	1	13	138	1,586	1,574	1,573	-	-	-	-	11	-	-	-	-	-	-	-	61	2,889	3,039	3,421	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	65	(1,320)	(1,483)	(1,865)	0.384	0.384	0.384	0.000	25	(507)	(569)	-
12	1	14	137	1,585	1,576	1,577	-	-	-	-	11	-	-	-	-	-	-	-	56	2,630	2,769	3,140	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	70	(1,062)	(1,210)	(1,581)	0.384	0.384	0.384	0.000	27	(408)	(465)	-
12	1	15	137	1,579	1,572	1,576	-	-	-	-	12	-	-	-	-	-	-	-	49	2,387	2,496	2,840	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	75	(833)	(955)	(1,284)	0.384	0.384	0.384	0.000	29	(320)	(367)	-
12	1	16	138	1,598	1,600	1,610	-	-	-	-	20	-	-	-	-	-	-	-	28	1,455	1,515	1,815	-	34	34	34	-	(1)	(0)	2	-	-	-	-	90	110	51	(242)	0.376	0.377	0.373	0.386	34	41	19	(93)
12	1	17	146	1,696	1,703	1,718	-	-	-	-	29	-	-	-	-	-	-	-	3	268	273	524	-	34	34	34	-	1	(1)	15	-	-	-	-	114	1,393	1,397	1,144	0.368	0.386	0.389	0.389	42	538	543	445
12	1	18	163	1,908	1,927	1,953	-	-	-	-	31	-	-	-	-	-	-	-	-	97	97	344	-	34	34	34	-	(4)	(2)	9	-	-	-	-	132	1,781	1,797	1,566	0.384	0.399	0.393	0.383	51	711	707	599
12	1	19	165	1,943	1,968	2,000	-	-	-	-	32	-	-	-	-	-	-	-	-	72	72	319	-	34	34	34	-	9	7	20	-	-	-	-	133	1,828	1,855	1,628	0.386	0.401	0.395	0.384	51	733	732	625
12	1	20	164	1,927	1,953	1,986	-	-	-	-	32	-	-	-	-	-	-	-	-	52	52	299	-	34	34	34	-	4	4	5	-	-	-	-	132	1,838	1,863	1,648	0.385	0.400	0.394	0.383	51	735	735	632
12	1	21	160	1,881	1,907	1,939	-	-	-	-	33	-	-	-	-	-	-	-	-	46	46	293	-	34	34	34	-	4	4	5	-	-	-	-	127	1,798	1,823	1,606	0.384	0.399	0.393	0.382	49	718	717	614
12	1	22	151	1,777	1,802	1,832	-	-	-	-	34	-	-	-	-	-	-	-	-	42	42	289	-	34	34	34	-	-	4	2	-	-	-	-	117	1,701	1,721	1,507	0.378	0.396	0.390	0.380	44	673	671	574
12	1	23	138	1,626	1,651	1,680	-	-	-	-	34	-	-	-	-	-	-	-	-	33	33	280	-	34	34	34	-	5	13	-	-	-	-	-	104	1,555	1,570	1,366	0.370	0.390	0.385	0.377	39	607	605	515
12	1	24	132	1,555	1,574	1,598	-	-	-	-	25	-	-	-	-	-	-	-	-	26	26	273	-	34	34	34	-	-	4	-	-	-	-	-	107	1,495	1,510	1,291	0.365	0.385	0.380	0.369	39	576	574	477
12	2	1	115	1,345	1,354	1,368	-	-	-	-	34	-	-	-	-	-	-	-	-	16	16	263	-	34	34	34	-	18	8	0	-	-	-	-	81	1,277	1,297	1,071	0.367	0.388	0.382	0.373	30	496	496	400
12	2	2	109	1,266	1,269	1,276	-	-	-	-	30	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	2	2	-	-	-	-	-	79	1,218	1,221	984	0.365	0.389	0.383	0.372	29	473	468	366
12	2	3	105	1,216	1,212	1,214	-	-	-	-	25	-	-	-	-	-	-	-	-	9	9	256	-	34	34	34	-	(0)	(2)	3	-	-	-	-	80	1,173	1,170	920	0.365	0.388	0.382	0.370	29	455	447	341
12	2	4	104	1,204	1,195	1,193	-	-	-	-	19	-	-	-	-	-	-	-	-	5	5	252	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	86	1,165	1,157	908	0.365	0.386	0.381	0.369	31	450	441	335
12	2	5	107	1,232	1,219	1,214	-	-	-	-	23	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	13	-	-	-	-	-	-	84	1,182	1,182	930	0.365	0.384	0.379	0.365	31	453	448	340
12	2	6	116	1,335	1,318	1,309	-	-	-	-	30	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	1	10	(4)	-	-	-	-	86	1,296	1,270	1,029	0.365	0.382	0.375	0.364	31	496	476	374
12	2	7	131	1,503	1,486	1,479	-	-	-	-	31	-	-	-	-	-	-	-	2	152	152	399	-	34	34	34	-	14	7	11	-	-	-	-	98	1,303	1,293	1,034	0.365	0.385	0.377	0.364	36	502	487	376
12	2	8	138	1,584	1,569	1,566	-	-	-	-	26	-	-	-	-	-	-	-	23	1,234	1,260	1,531	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	89	320	277	6	0.368	0.382	0.377	0.381	33	122	105	2
12	2	9	139	1,596	1,585	1,587	-	-	-	-	16	-	-	-	-	-	-	-	42	2,074	2,154	2,473	-	34	34	34	-	(3)	(1)	5	-	-	-	-	81	(509)	(602)	(925)	0.372	0.364	0.365	0.394	30	(185)	(220)	(364)
12	2	10	140	1,610	1,597	1,598	-	-	-	-	13	-	-	-	-	-	-	-	54	2,571	2,688	3,040	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	73	(991)	(1,111)	(1,457)	0.377	0.384	0.384	0.000	27	(380)	(427)	-
12	2	11	141	1,616	1,602	1,601	-	-	-	-	12	-	-	-	-	-	-	-	59	2,745	2,883	3,254	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	69	(1,145)	(1,298)	(1,671)	0.384	0.384	0.384	0.000	26	(440)	(499)	-
12	2	12	140	1,609	1,594	1,590	-	-	-	-	11	-	-	-	-	-	-	-	61	2,782	2,931	3,312	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	68	(1,190)	(1,355)	(1,740)	0.384	0.384	0.384	0.000	26	(457)	(520)	-
12	2	13	138	1,592	1,580	1,579	-	-	-	-	11	-	-	-	-	-	-	-	62	2,793	2,945	3,329	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	65	(1,218)	(1,383)	(1,766)	0.384	0.384	0.384	0.000	25	(468)	(531)	-
12	2	14	138	1,586	1,577	1,578	-	-	-	-	11	-	-	-	-	-	-	-	55	2,525	2,656	3,021	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(956)	(1,097)	(1,461)	0.384	0.384	0.384	0.000	27	(367)	(421)	-
12	2	15	137	1,577	1,571	1,575	-	-	-	-	12	-	-	-	-	-	-	-	44	1,982	2,090	2,434	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	81	(429)	(551)	(880)	0.384	0.384	0.384	0.000	31	(165)	(212)	-
12	2	16	138	1,602	1,603	1,614	-	-	-	-	20	-	-	-	-	-	-	-	22	995	1,054	1,353	-	34	34	34	-	(1)	(0)	2	-	-	-	-	96	573	516	224	0.376	0.377	0.373	0.386	36	216	193	87
12	2	17	146	1,702	1,709	1,724	-	-	-	-	29	-	-	-	-	-	-	-	2	136	141	393	-	34	34	34	-	1	(1)	15	-	-	-	-	115	1,531	1,534	1,282	0.368	0.386	0.389	0.389	42	592	597	499
12	2	18	163	1,904	1,922	1,948	-	-	-	-	31	-	-	-	-	-	-	-	-	18	18	265	-	34	34	34	-	(4)	(2)	9	-	-	-	-	132	1,855	1,871	1,640	0.384	0.399	0.393	0.383	51	741	736	627
12	2	19	164	1,929	1,953	1,985	-	-	-	-	32	-	-	-	-	-	-	-	-	22	22	269	-	34	34	34	-	9	7	20	-	-	-	-	132	1,863	1,890	1,662	0.386	0.401	0.395	0.384	51	747	746	638
12	2	20	161	1,897	1,923	1,955	-	-	-	-	32	-	-	-	-	-	-	-	-	21	21	268	-	34	34	34	-	4	4	5	-	-	-	-	129	1,838	1,863	1,647	0.385	0.400	0.394	0.383	50	735	735	631
12	2	21	159	1,864	1,889	1,921	-	-	-	-	33	-	-	-	-	-	-	-	-	19	19	266	-	34	34	34	-	4	4	5	-	-	-	-	126	1,808	1,833	1,616	0.384	0.399	0.393	0.382	48	722	721	617
12	2	22	152	1,785	1,810	1,841	-	-	-	-	34	-	-	-	-	-	-	-	-	18	18	265	-	34	34	34	-	-	4	2	-	-	-	-	118	1,733	1,754	1,540	0.378	0.396	0.390	0.380	45	686	684	586
12	2	23	141	1,665	1,690	1,720	-	-	-	-	34	-	-	-	-	-	-	-	-	19	19	266	-	34	34	34	-	5	13	-	-	-	-	-	107	1,607	1,623	1,420	0.370	0.390	0.385	0.377	40	627	625	535
12	2	24	134	1,576	1,596	1,621	-	-	-	-	25	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	-	4	-	-	-	-	-	109	1,518	1,533	1,315	0.365	0.385	0.380	0.369	40	585	583	486
12	3	1	119	1,388	1,398	1,413	-	-	-	-	34	-	-	-	-	-	-	-	-	22	22	269	-	34	34	34	-	18	8	0	-	-	-	-	84	1,314	1,334	1,110	0.367	0.388	0.382	0.373	31	510	510	415
12	3	2	112	1,304	1,308	1,316	-	-	-	-	30	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	2	2	-	-	-	-	-	82	1,243	1,247	1,011	0.365	0.389	0.383	0.372	30	483	478	376
12	3	3	108	1,253	1,250	1,252	-	-	-	-	25	-	-	-	-	-	-	-	-	24	24	271	-	34	34	34	-	(0)	(2)	3	-	-	-	-	83	1,196	1,194	945	0.365	0.388	0.382	0.370	30	463	456	350
12	3	4	107	1,229	1,221	1,219	-	-	-	-	19	-	-	-	-	-	-	-	-	26	26	273	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	88	1,170	1,162	914	0.365	0.386	0.381	0.369	32	452	443	337
12	3	5	107	1,233	1,221	1,215	-	-	-	-	23	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	13	-	-	-	-	-	-	84	1,161	1,162	909	0.365	0.384	0.379	0.365	31	445	440	332
12	3	6	112	1,278	1,259	1,249	-	-	-	-	30	-	-	-	-	-	-	-	-	22	22	269	-	34	34	34	-	1	10	(4)	-	-	-	-	82	1,220	1,193	950	0.365	0.382	0.375	0.364	30	466	447	346
12	3	7	118	1,349	1,328	1,318	-	-	-	-	31	-	-	-	-	-	-	-	2	177	177	424	-	34	34	34	-	14	7	11	-	-	-	-	85	1,124	1,111	848	0.365	0.385	0.377	0.364	31	433	419	309
12	3	8	123	1,404	1,385	1,378	-	-	-	-	26	-	-	-	-	-	-	-	25	1,375	1,408	1,684	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	72	(1)	(54)	(335)	0.368	0.382	0.377	0.381	26	(1)	(20)	(128)
12	3	9	127	1,457	1,442	1,441	-	-	-	-	16	-	-	-	-	-	-	-	44	2,134	2,224	2,552	-	34	34	34	-	(3)	(1)	5	-	-	-	-	67	(708)	(815)	(1,150)	0.372	0.364	0.365	0.394	25	(258)	(298)	(453)
12	3	10	130	1,487	1,472	1,469	-	-	-	-	13	-	-	-	-	-	-	-	56	2,587	2,716	3,079	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	61	(1,130)	(1,265)	(1,624)	0.377	0.384	0.384	0.000	23	(434)	(486)	-
12	3	11	129	1,484	1,467	1,462	-	-	-	-	12	-	-	-	-	-	-	-	61	2,789	2,940	3,323	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	56	(1,322)	(1,491)	(1,878)	0.384	0.384	0.384	0.000	21	(508)	(573)	-
12	3	12	128	1,468	1,450	1,443	-	-	-	-	11	-	-	-	-	-	-	-	63	2,809	2,968	3,357	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	54	(1,359)	(1,536)	(1,932)	0.384	0.384	0.384	0.000	21	(522)	(590)	-
12	3	13	126	1,450	1,435	1,431	-	-	-	-	11	-	-	-	-	-	-	-	63	2,811	2,970	3,360	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	52	(1,378)	(1,553)	(1,947)	0.384	0.384	0.384	0.000	20	(529)	(596)	-
12	3	14	124	1,427	1,415	1,412	-	-	-	-	11	-	-	-	-	-	-	-	59	2,652	2,797	3,174	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	54	(1,241)	(1,400)	(1,780)	0.384	0.384	0.384	0.000	21	(477)	(538)	-
12	3	15	123	1,418	1,408	1,407	-	-	-	-	12	-	-	-	-	-	-	-	50	2,296	2,414	2,766	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	61	(903)	(1,038)	(1,379)	0.384	0.384	0.384	0.000	23	(347)	(398)	-
12	3	16	124	1,438	1,436	1,443	-	-	-	-	20	-	-	-	-	-	-	-	28	1,319	1,384	1,689	-	34	34	34	-	(1)	(0)	2	-	-	-	-	76	86	18	(283)	0.376	0.377	0.373	0.386	29	32	7	(109)
12	3	17	132	1,539	1,542	1,552	-	-	-	-	29	-	-	-	-	-	-	-	3	180	185	437	-	34	34	34	-	1	(1)	15	-	-	-	-	100	1,325	1,324	1,066	0.368	0.386	0.389	0.389	37	512	515	415
12	3	18	150	1,758	1,773	1,795	-	-	-	-	31	-	-	-	-	-	-	-	-	11	11	258	-	34	34	34	-	(4)	(2)	9	-	-	-	-	120	1,717	1,729	1,494	0.384	0.399	0.393	0.383	46	685	680	572
12	3	19	153	1,789	1,810	1,839	-	-	-	-	32	-	-	-	-	-	-	-	-	17	17	264	-	34	34	34	-	9	7	20	-	-	-	-	120	1,729	1,753	1,521	0.386	0.401	0.395	0.384	46	693	692	584
12	3	20	151	1,773	1,796	1,825	-	-	-	-	32	-	-	-	-	-	-	-	-	17	17	264	-	34	34	34	-	4	4	5	-	-	-	-	119	1,718	1,740	1,521	0.385	0.400	0.394	0.383	46	687	686	583
12	3	21	148	1,742	1,765	1,793	-	-	-	-	33	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	4	4	5	-	-	-	-	115	1,691	1,713	1,494	0.384	0.399	0.393	0.382	44	675	674	570
12	3	22	143	1,679	1,702	1,730	-	-	-	-	34	-	-	-	-	-	-	-	-	10	10	257	-	34	34	34	-	-	4	2	-	-	-	-	109	1,635	1,654	1,437	0.378	0.396	0.390	0.380	41	647	645	547
12	3	23	134	1,580	1,603	1,631	-	-	-	-	34	-	-	-	-	-	-	-	-	7	7	254	-	34	34	34	-	5	13	-	-	-	-	-	100	1,534	1,548	1,343	0.370	0.390	0.385	0.377	37	599	596	506
12	3	24	125	1,472	1,490	1,512	-	-	-	-	25	-	-	-	-	-	-	-	-	10	10	257	-	34	34	34	-	-	4	-	-	-	-	-	100	1,429	1,442	1,221	0.365	0.385	0.380	0.369	37	550	548	451
12	4	1	114	1,335	1,344	1,358	-	-	-	-	34	-	-	-	-	-	-	-	-	7	7	254	-	34	34	34	-	18	8	0	-	-	-	-	80	1,276	1,295	1,069	0.367	0.388	0.382	0.373	29	495	495	399
12	4	2	108	1,253	1,255	1,263	-	-	-	-	30	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	2	2	-	-	-	-	-	78	1,213	1,216	978	0.365	0.389	0.383	0.372	28	471	466	364
12	4	3	104	1,201	1,197	1,199	-	-	-	-	25	-	-	-	-	-	-	-	-	2	2	249	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,166	1,163	913	0.365	0.388	0.382	0.370	29	452	445	338
12	4	4	102	1,173	1,163	1,160	-	-	-	-	19	-	-	-	-	-	-	-	-	1	1	248	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	83	1,138	1,130	880	0.365	0.386	0.381	0.369	30	440	431	324
12	4	5	102	1,168	1,153	1,146	-	-	-	-	23	-	-	-	-	-	-	-	-	0	0	247	-	34	34	34	-	13	-	-	-	-	-	-	78	1,120	1,119	865	0.365	0.384	0.379	0.365	29	430	424	316
12	4	6	104	1,189	1,169	1,156	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-	74	1,154	1,124	879	0.365	0.382	0.375	0.364	27	441	421	320
12	4	7	108	1,236	1,213	1,200	-	-	-	-	31	-	-	-	-	-	-	-	2	153	153	400	-	34	34	34	-	14	7	11	-	-	-	-	75	1,035	1,020	754	0.365	0.385	0.377	0.364	27	399	384	274
12	4	8	112	1,275	1,253	1,242	-	-	-	-	26	-	-	-	-	-	-	-	24	1,311	1,341	1,615	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	62	(67)	(120)	(402)	0.368	0.382	0.377	0.381	23	(26)	(45)	(153)
12	4	9	116	1,323	1,305	1,300	-	-	-	-	16	-	-	-	-	-	-	-	42	2,064	2,142	2,459	-	34	34	34	-	(3)	(1)	5	-	-	-	-	58	(771)	(870)	(1,198)	0.372	0.364	0.365	0.394	22	(281)	(318)	(472)
12	4	10	118	1,349	1,331	1,325	-	-	-	-	13	-	-	-	-	-	-	-	52	2,474	2,586	2,933	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	53	(1,153)	(1,275)	(1,623)	0.377	0.384	0.384	0.000	20	(443)	(489)	-
12	4	11	119	1,363	1,344	1,335	-	-	-	-	12	-	-	-	-	-	-	-	57	2,659	2,789	3,152	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	50	(1,313)	(1,463)	(1,834)	0.384	0.384	0.384	0.000	19	(504)	(562)	-
12	4	12	119	1,363	1,342	1,333	-	-	-	-	11	-	-	-	-	-	-	-	60	2,748	2,889	3,263	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	48	(1,403)	(1,565)	(1,948)	0.384	0.384	0.384	0.000	18	(539)	(601)	-
12	4	13	119	1,363	1,346	1,339	-	-	-	-	11	-	-	-	-	-	-	-	59	2,713	2,853	3,225	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	49	(1,367)	(1,525)	(1,903)	0.384	0.384	0.384	0.000	19	(525)	(585)	-
12	4	14	119	1,363	1,349	1,344	-	-	-	-	11	-	-	-	-	-	-	-	56	2,578	2,710	3,076	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	51	(1,232)	(1,379)	(1,749)	0.384	0.384	0.384	0.000	20	(473)	(530)	-
12	4	15	119	1,370	1,359	1,357	-	-	-	-	12	-	-	-	-	-	-	-	48	2,253	2,363	2,708	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	58	(908)	(1,036)	(1,371)	0.384	0.384	0.384	0.000	22	(349)	(398)	-
12	4	16	121	1,405	1,402	1,408	-	-	-	-	20	-	-	-	-	-	-	-	28	1,331	1,390	1,690	-	34	34	34	-	(1)	(0)	2	-	-	-	-	74	41	(22)	(319)	0.376	0.377	0.373	0.386	28	15	(8)	(123)
12	4	17	131	1,517	1,520	1,530	-	-	-	-	29	-	-	-	-	-	-	-	3	175	180	432	-	34	34	34	-	1	(1)	15	-	-	-	-	98	1,307	1,306	1,049	0.368	0.386	0.389	0.389	36	505	508	408
12	4	18	150	1,759	1,774	1,797	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-	120	1,729	1,741	1,506	0.384	0.399	0.393	0.383	46	690	685	576
12	4	19	154	1,808	1,830	1,859	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	9	7	20	-	-	-	-	122	1,765	1,789	1,558	0.386	0.401	0.395	0.384	47	707	706	598
12	4	20	153	1,798	1,821	1,851	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	121	1,760	1,783	1,565	0.385	0.400	0.394	0.383	46	704	703	600
12	4	21	150	1,757	1,780	1,808	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	117	1,719	1,741	1,522	0.384	0.399	0.393	0.382	45	686	685	581
12	4	22	141	1,660	1,682	1,710	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	2	-	-	-	-	107	1,626	1,644	1,427	0.378	0.396	0.390	0.380	41	643	641	543
12	4	23	129	1,519	1,541	1,567	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	5	13	-	-	-	-	-	95	1,480	1,493	1,286	0.370	0.390	0.385	0.377	35	578	575	485
12	4	24	119	1,390	1,405	1,425	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	-	-	-	-	-	93	1,356	1,367	1,144	0.365	0.385	0.380	0.369	34	522	520	422
12	5	1	109	1,268	1,276	1,288	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	18	8	0	-	-	-	-	74	1,216	1,234	1,006	0.367	0.388	0.382	0.373	27	472	472	376
12	5	2	104	1,206	1,207	1,214	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	2	2	-	-	-	-	-	74	1,170	1,172	933	0.365	0.389	0.383	0.372	27	455	449	347
12	5	3	101	1,170	1,165	1,166	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-	76	1,137	1,133	882	0.365	0.388	0.382	0.370	28	441	433	326
12	5	4	101	1,163	1,154	1,150	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	82	1,130	1,121	871	0.365	0.386	0.381	0.369	30	437	427	321
12	5	5	104	1,199	1,185	1,178	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-	81	1,151	1,151	897	0.365	0.384	0.379	0.365	30	442	436	328
12	5	6	114	1,304	1,286	1,276	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-	84	1,269	1,242	1,000	0.365	0.382	0.375	0.364	31	485	465	364
12	5	7	129	1,478	1,460	1,453	-	-	-	-	31	-	-	-	-	-	-	-	1	41	42	289	-	34	34	34	-	14	7	11	-	-	-	-	98	1,388	1,378	1,119	0.365	0.385	0.377	0.364	36	535	519	407
12	5	8	137	1,569	1,554	1,551	-	-	-	-	26	-	-	-	-	-	-	-	16	866	887	1,153	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	95	672	635	369	0.368	0.382	0.377	0.381	35	257	240	141
12	5	9	140	1,606	1,595	1,597	-	-	-	-	16	-	-	-	-	-	-	-	28	1,297	1,358	1,659	-	34	34	34	-	(3)	(1)	5	-	-	-	-	96	278	204	(101)	0.372	0.364	0.365	0.394	36	101	74	(40)
12	5	10	141	1,627	1,615	1,616	-	-	-	-	13	-	-	-	-	-	-	-	31	1,275	1,372	1,705	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	97	323	223	(104)	0.377	0.384	0.384	0.000	36	124	86	-
12	5	11	142	1,636	1,622	1,621	-	-	-	-	12	-	-	-	-	-	-	-	46	1,927	2,060	2,427	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	84	(308)	(456)	(823)	0.384	0.384	0.384	0.000	32	(118)	(175)	-
12	5	12	141	1,627	1,613	1,610	-	-	-	-	11	-	-	-	-	-	-	-	59	2,608	2,761	3,145	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(998)	(1,166)	(1,553)	0.384	0.384	0.384	0.000	27	(383)	(448)	-
12	5	13	140	1,612	1,602	1,601	-	-	-	-	11	-	-	-	-	-	-	-	61	2,734	2,892	3,280	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	67	(1,139)	(1,308)	(1,696)	0.384	0.384	0.384	0.000	26	(437)	(502)	-
12	5	14	139	1,606	1,597	1,599	-	-	-	-	11	-	-	-	-	-	-	-	58	2,596	2,743	3,122	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	70	(1,007)	(1,164)	(1,541)	0.384	0.384	0.384	0.000	27	(387)	(447)	-
12	5	15	139	1,602	1,596	1,600	-	-	-	-	12	-	-	-	-	-	-	-	50	2,288	2,409	2,764	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	76	(711)	(845)	(1,184)	0.384	0.384	0.384	0.000	29	(273)	(324)	-
12	5	16	140	1,621	1,623	1,635	-	-	-	-	20	-	-	-	-	-	-	-	28	1,339	1,404	1,709	-	34	34	34	-	(1)	(0)	2	-	-	-	-	92	248	185	(111)	0.376	0.377	0.373	0.386	34	94	69	(43)
12	5	17	148	1,719	1,726	1,742	-	-	-	-	29	-	-	-	-	-	-	-	3	188	193	445	-	34	34	34	-	1	(1)	15	-	-	-	-	115	1,497	1,500	1,248	0.368	0.386	0.389	0.389	43	578	583	485
12	5	18	167	1,953	1,972	2,000	-	-	-	-	31	-	-	-	-	-	-	-	-	17	17	264	-	34	34	34	-	(4)	(2)	9	-	-	-	-	136	1,905	1,923	1,693	0.384	0.399	0.393	0.383	52	761	756	648
12	5	19	170	1,992	2,018	2,052	-	-	-	-	32	-	-	-	-	-	-	-	-	16	16	263	-	34	34	34	-	9	7	20	-	-	-	-	138	1,933	1,961	1,735	0.386	0.401	0.395	0.384	53	775	774	666
12	5	20	168	1,970	1,997	2,032	-	-	-	-	32	-	-	-	-	-	-	-	-	19	19	266	-	34	34	34	-	4	4	5	-	-	-	-	135	1,914	1,940	1,727	0.385	0.400	0.394	0.383	52	766	765	662

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	5	21	163	1,911	1,937	1,970	-	-	-	-	33	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	4	4	5	-	-	-	-	130	1,848	1,874	1,659	0.384	0.399	0.393	0.382	50	738	737	634
12	5	22	153	1,801	1,827	1,858	-	-	-	-	34	-	-	-	-	-	-	-	-	28	28	275	-	34	34	34	-	-	4	2	-	-	-	-	119	1,739	1,760	1,547	0.378	0.396	0.390	0.380	45	688	686	589
12	5	23	139	1,634	1,658	1,687	-	-	-	-	34	-	-	-	-	-	-	-	-	29	29	276	-	34	34	34	-	5	13	-	-	-	-	-	105	1,566	1,582	1,378	0.370	0.390	0.385	0.377	39	611	609	519
12	5	24	134	1,572	1,591	1,616	-	-	-	-	25	-	-	-	-	-	-	-	-	26	26	273	-	34	34	34	-	-	4	-	-	-	-	-	109	1,512	1,527	1,309	0.365	0.385	0.380	0.369	40	582	580	483
12	6	1	113	1,326	1,334	1,348	-	-	-	-	34	-	-	-	-	-	-	-	-	21	21	268	-	34	34	34	-	18	8	0	-	-	-	-	79	1,253	1,271	1,045	0.367	0.388	0.382	0.373	29	486	486	390
12	6	2	107	1,249	1,251	1,259	-	-	-	-	30	-	-	-	-	-	-	-	-	14	14	261	-	34	34	34	-	2	2	-	-	-	-	-	77	1,199	1,202	964	0.365	0.389	0.383	0.372	28	466	460	359
12	6	3	104	1,200	1,196	1,197	-	-	-	-	25	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,154	1,151	901	0.365	0.388	0.382	0.370	29	447	440	333
12	6	4	103	1,185	1,176	1,173	-	-	-	-	19	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	84	1,140	1,132	882	0.365	0.386	0.381	0.369	31	440	431	325
12	6	5	105	1,208	1,195	1,188	-	-	-	-	23	-	-	-	-	-	-	-	-	10	10	257	-	34	34	34	-	13	-	-	-	-	-	-	82	1,150	1,150	897	0.365	0.384	0.379	0.365	30	441	436	328
12	6	6	115	1,315	1,297	1,288	-	-	-	-	30	-	-	-	-	-	-	-	-	20	20	267	-	34	34	34	-	1	10	(4)	-	-	-	-	85	1,259	1,233	991	0.365	0.382	0.375	0.364	31	481	462	361
12	6	7	130	1,487	1,470	1,463	-	-	-	-	31	-	-	-	-	-	-	-	0	29	29	276	-	34	34	34	-	14	7	11	-	-	-	-	99	1,410	1,400	1,141	0.365	0.385	0.377	0.364	36	543	528	415
12	6	8	138	1,589	1,575	1,572	-	-	-	-	26	-	-	-	-	-	-	-	5	290	298	552	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	108	1,269	1,245	992	0.368	0.382	0.377	0.381	40	485	470	378
12	6	9	140	1,610	1,599	1,601	-	-	-	-	16	-	-	-	-	-	-	-	12	588	620	896	-	34	34	34	-	(3)	(1)	5	-	-	-	-	112	991	945	666	0.372	0.364	0.365	0.394	42	361	345	262
12	6	10	141	1,623	1,611	1,612	-	-	-	-	13	-	-	-	-	-	-	-	23	1,122	1,176	1,471	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	104	472	415	126	0.377	0.384	0.384	0.000	39	181	159	-
12	6	11	142	1,634	1,621	1,620	-	-	-	-	12	-	-	-	-	-	-	-	35	1,710	1,784	2,097	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	95	(93)	(181)	(495)	0.384	0.384	0.384	0.000	36	(36)	(69)	-
12	6	12	141	1,627	1,613	1,610	-	-	-	-	11	-	-	-	-	-	-	-	30	1,444	1,514	1,823	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	100	166	81	(231)	0.384	0.384	0.384	0.000	38	64	31	-
12	6	13	141	1,622	1,611	1,611	-	-	-	-	11	-	-	-	-	-	-	-	33	1,541	1,624	1,945	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	96	64	(30)	(351)	0.384	0.384	0.384	0.000	37	25	(12)	-
12	6	14	140	1,610	1,602	1,604	-	-	-	-	11	-	-	-	-	-	-	-	32	1,529	1,601	1,912	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	97	64	(17)	(326)	0.384	0.384	0.384	0.000	37	25	(6)	-
12	6	15	139	1,612	1,607	1,612	-	-	-	-	12	-	-	-	-	-	-	-	25	1,287	1,337	1,629	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	102	301	238	(37)	0.384	0.384	0.384	0.000	39	116	92	-
12	6	16	142	1,644	1,647	1,658	-	-	-	-	20	-	-	-	-	-	-	-	16	858	885	1,156	-	34	34	34	-	(1)	(0)	2	-	-	-	-	106	752	728	466	0.376	0.377	0.373	0.386	40	283	272	180
12	6	17	151	1,759	1,767	1,783	-	-	-	-	29	-	-	-	-	-	-	-	1	143	145	393	-	34	34	34	-	1	(1)	15	-	-	-	-	121	1,581	1,589	1,342	0.368	0.386	0.389	0.389	44	611	618	522
12	6	18	168	1,965	1,984	2,012	-	-	-	-	31	-	-	-	-	-	-	-	-	64	64	311	-	34	34	34	-	(4)	(2)	9	-	-	-	-	137	1,870	1,888	1,658	0.384	0.399	0.393	0.383	53	747	743	634
12	6	19	170	1,997	2,023	2,057	-	-	-	-	32	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	9	7	20	-	-	-	-	138	1,893	1,921	1,695	0.386	0.401	0.395	0.384	53	758	758	651
12	6	20	168	1,976	2,004	2,038	-	-	-	-	32	-	-	-	-	-	-	-	-	70	70	317	-	34	34	34	-	4	4	5	-	-	-	-	136	1,868	1,895	1,682	0.385	0.400	0.394	0.383	52	748	747	644
12	6	21	163	1,917	1,944	1,977	-	-	-	-	33	-	-	-	-	-	-	-	-	72	72	319	-	34	34	34	-	4	4	5	-	-	-	-	130	1,807	1,833	1,618	0.384	0.399	0.393	0.382	50	721	721	618
12	6	22	153	1,803	1,829	1,860	-	-	-	-	34	-	-	-	-	-	-	-	-	81	81	328	-	34	34	34	-	-	4	2	-	-	-	-	120	1,688	1,710	1,497	0.378	0.396	0.390	0.380	45	668	666	569
12	6	23	139	1,634	1,658	1,687	-	-	-	-	34	-	-	-	-	-	-	-	-	69	69	316	-	34	34	34	-	5	13	-	-	-	-	-	105	1,526	1,542	1,337	0.370	0.390	0.385	0.377	39	596	594	504
12	6	24	135	1,582	1,602	1,627	-	-	-	-	25	-	-	-	-	-	-	-	-	69	69	316	-	34	34	34	-	-	4	-	-	-	-	-	109	1,479	1,495	1,277	0.365	0.385	0.380	0.369	40	570	568	471
12	7	1	115	1,341	1,350	1,364	-	-	-	-	34	-	-	-	-	-	-	-	-	77	77	324	-	34	34	34	-	18	8	0	-	-	-	-	80	1,212	1,231	1,006	0.367	0.388	0.382	0.373	30	471	471	376
12	7	2	109	1,269	1,271	1,279	-	-	-	-	30	-	-	-	-	-	-	-	-	79	79	326	-	34	34	34	-	2	2	-	-	-	-	-	79	1,153	1,157	919	0.365	0.389	0.383	0.372	29	448	443	342
12	7	3	106	1,222	1,218	1,220	-	-	-	-	25	-	-	-	-	-	-	-	-	85	85	332	-	34	34	34	-	(0)	(2)	3	-	-	-	-	80	1,103	1,100	850	0.365	0.388	0.382	0.370	29	427	421	315
12	7	4	104	1,204	1,195	1,193	-	-	-	-	19	-	-	-	-	-	-	-	-	90	90	337	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	86	1,081	1,073	824	0.365	0.386	0.381	0.369	31	418	409	304
12	7	5	107	1,230	1,217	1,211	-	-	-	-	23	-	-	-	-	-	-	-	-	99	99	346	-	34	34	34	-	13	-	-	-	-	-	-	84	1,084	1,084	831	0.365	0.384	0.379	0.365	31	416	411	304
12	7	6	116	1,334	1,317	1,308	-	-	-	-	30	-	-	-	-	-	-	-	-	100	100	347	-	34	34	34	-	1	10	(4)	-	-	-	-	86	1,198	1,172	931	0.365	0.382	0.375	0.364	31	458	439	339
12	7	7	131	1,504	1,487	1,481	-	-	-	-	31	-	-	-	-	-	-	-	0	104	104	351	-	34	34	34	-	14	7	11	-	-	-	-	100	1,352	1,343	1,084	0.365	0.385	0.377	0.364	37	521	506	395
12	7	8	139	1,596	1,582	1,580	-	-	-	-	26	-	-	-	-	-	-	-	4	295	301	555	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	109	1,271	1,249	996	0.368	0.382	0.377	0.381	40	486	471	380
12	7	9	141	1,627	1,616	1,619	-	-	-	-	16	-	-	-	-	-	-	-	11	578	607	879	-	34	34	34	-	(3)	(1)	5	-	-	-	-	115	1,018	976	700	0.372	0.364	0.365	0.394	43	370	357	276
12	7	10	142	1,631	1,620	1,621	-	-	-	-	13	-	-	-	-	-	-	-	27	1,407	1,462	1,757	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	102	195	138	(151)	0.377	0.384	0.384	0.000	38	75	53	-
12	7	11	142	1,633	1,620	1,619	-	-	-	-	12	-	-	-	-	-	-	-	31	1,607	1,675	1,983	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	98	10	(73)	(382)	0.384	0.384	0.384	0.000	38	4	(28)	-
12	7	12	141	1,627	1,613	1,610	-	-	-	-	11	-	-	-	-	-	-	-	36	1,791	1,877	2,202	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	94	(181)	(282)	(610)	0.384	0.384	0.384	0.000	36	(70)	(108)	-
12	7	13	140	1,615	1,604	1,604	-	-	-	-	11	-	-	-	-	-	-	-	41	2,074	2,162	2,488	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	88	(476)	(576)	(901)	0.384	0.384	0.384	0.000	34	(183)	(221)	-
12	7	14	140	1,610	1,602	1,604	-	-	-	-	11	-	-	-	-	-	-	-	37	1,845	1,925	2,244	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	92	(251)	(341)	(658)	0.384	0.384	0.384	0.000	35	(97)	(131)	-
12	7	15	140	1,619	1,614	1,619	-	-	-	-	12	-	-	-	-	-	-	-	36	1,898	1,968	2,277	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	91	(303)	(385)	(678)	0.384	0.384	0.384	0.000	35	(116)	(148)	-
12	7	16	141	1,638	1,640	1,652	-	-	-	-	20	-	-	-	-	-	-	-	20	1,100	1,141	1,425	-	34	34	34	-	(1)	(0)	2	-	-	-	-	101	504	465	190	0.376	0.377	0.373	0.386	38	190	174	74
12	7	17	150	1,746	1,753	1,769	-	-	-	-	29	-	-	-	-	-	-	-	3	249	252	502	-	34	34	34	-	1	(1)	15	-	-	-	-	118	1,462	1,468	1,219	0.368	0.386	0.389	0.389	44	565	571	474
12	7	18	168	1,969	1,989	2,017	-	-	-	-	31	-	-	-	-	-	-	-	-	90	90	337	-	34	34	34	-	(4)	(2)	9	-	-	-	-	137	1,848	1,866	1,637	0.384	0.399	0.393	0.383	53	738	734	626
12	7	19	171	2,005	2,032	2,066	-	-	-	-	32	-	-	-	-	-	-	-	-	87	87	334	-	34	34	34	-	9	7	20	-	-	-	-	139	1,875	1,903	1,678	0.386	0.401	0.395	0.384	53	751	751	644
12	7	20	169	1,985	2,013	2,048	-	-	-	-	32	-	-	-	-	-	-	-	-	91	91	338	-	34	34	34	-	4	4	5	-	-	-	-	137	1,856	1,883	1,670	0.385	0.400	0.394	0.383	53	743	743	640
12	7	21	164	1,932	1,959	1,993	-	-	-	-	33	-	-	-	-	-	-	-	-	92	92	339	-	34	34	34	-	4	4	5	-	-	-	-	131	1,803	1,829	1,614	0.384	0.399	0.393	0.382	50	720	720	617
12	7	22	155	1,824	1,850	1,882	-	-	-	-	34	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	-	4	2	-	-	-	-	121	1,734	1,756	1,543	0.378	0.396	0.390	0.380	46	686	684	587
12	7	23	141	1,665	1,690	1,720	-	-	-	-	34	-	-	-	-	-	-	-	-	57	57	304	-	34	34	34	-	5	13	-	-	-	-	-	107	1,569	1,585	1,382	0.370	0.390	0.385	0.377	40	612	610	521
12	7	24	135	1,586	1,606	1,631	-	-	-	-	25	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	-	4	-	-	-	-	-	110	1,491	1,507	1,289	0.365	0.385	0.380	0.369	40	574	573	476
12	8	1	116	1,360	1,370	1,384	-	-	-	-	34	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	18	8	0	-	-	-	-	82	1,248	1,267	1,042	0.367	0.388	0.382	0.373	30	484	485	389
12	8	2	111	1,286	1,289	1,298	-	-	-	-	30	-	-	-	-	-	-	-	-	72	72	319	-	34	34	34	-	2	2	-	-	-	-	-	80	1,178	1,182	945	0.365	0.389	0.383	0.372	29	458	453	352
12	8	3	107	1,236	1,233	1,235	-	-	-	-	25	-	-	-	-	-	-	-	-	65	65	312	-	34	34	34	-	(0)	(2)	3	-	-	-	-	82	1,137	1,135	885	0.365	0.388	0.382	0.370	30	441	434	328
12	8	4	106	1,218	1,210	1,208	-	-	-	-	19	-	-	-	-	-	-	-	-	62	62	309	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	87	1,123	1,116	867	0.365	0.386	0.381	0.369	32	434	425	320
12	8	5	108	1,245	1,233	1,227	-	-	-	-	23	-	-	-	-	-	-	-	-	57	57	304	-	34	34	34	-	13	-	-	-	-	-	-	85	1,140	1,141	889	0.365	0.384	0.379	0.365	31	438	432	325
12	8	6	117	1,346	1,329	1,320	-	-	-	-	30	-	-	-	-	-	-	-	-	57	57	304	-	34	34	34	-	1	10	(4)	-	-	-	-	87	1,253	1,227	986	0.365	0.382	0.375	0.364	32	479	460	359
12	8	7	132	1,518	1,502	1,495	-	-	-	-	31	-	-	-	-	-	-	-	0	63	63	310	-	34	34	34	-	14	7	11	-	-	-	-	101	1,407	1,398	1,140	0.365	0.385	0.377	0.364	37	542	527	415
12	8	8	140	1,605	1,591	1,589	-	-	-	-	26	-	-	-	-	-	-	-	11	597	613	875	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	103	979	947	686	0.368	0.382	0.377	0.381	38	374	357	262
12	8	9	140	1,607	1,596	1,598	-	-	-	-	16	-	-	-	-	-	-	-	25	1,181	1,244	1,547	-	34	34	34	-	(3)	(1)	5	-	-	-	-	99	395	319	12	0.372	0.364	0.365	0.394	37	144	116	5
12	8	10	140	1,614	1,602	1,603	-	-	-	-	13	-	-	-	-	-	-	-	30	1,365	1,450	1,773	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	97	220	132	(185)	0.377	0.384	0.384	0.000	36	85	51	-
12	8	11	141	1,621	1,607	1,606	-	-	-	-	12	-	-	-	-	-	-	-	40	1,849	1,951	2,290	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	88	(244)	(362)	(702)	0.384	0.384	0.384	0.000	34	(94)	(139)	-
12	8	12	140	1,615	1,600	1,597	-	-	-	-	11	-	-	-	-	-	-	-	33	1,309	1,420	1,766	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	96	289	163	(187)	0.384	0.384	0.384	0.000	37	111	62	-
12	8	13	139	1,605	1,594	1,593	-	-	-	-	11	-	-	-	-	-	-	-	31	1,207	1,318	1,664	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	97	381	258	(87)	0.384	0.384	0.384	0.000	37	146	99	-
12	8	14	139	1,598	1,589	1,591	-	-	-	-	11	-	-	-	-	-	-	-	30	1,210	1,307	1,641	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	97	371	264	(68)	0.384	0.384	0.384	0.000	37	142	102	-
12	8	15	138	1,597	1,591	1,595	-	-	-	-	12	-	-	-	-	-	-	-	32	1,454	1,535	1,855	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	94	118	24	(280)	0.384	0.384	0.384	0.000	36	45	9	-
12	8	16	140	1,624	1,627	1,638	-	-	-	-	20	-	-	-	-	-	-	-	19	871	926	1,222	-	34	34	34	-	(1)	(0)	2	-	-	-	-	101	720	667	379	0.376	0.377	0.373	0.386	38	271	249	146
12	8	17	149	1,733	1,741	1,756	-	-	-	-	29	-	-	-	-	-	-	-	2	144	149	400	-	34	34	34	-	1	(1)	15	-	-	-	-	118	1,555	1,559	1,308	0.368	0.386	0.389	0.389	43	601	606	509
12	8	18	166	1,947	1,966	1,993	-	-	-	-	31	-	-	-	-	-	-	-	-	51	51	298	-	34	34	34	-	(4)	(2)	9	-	-	-	-	136	1,865	1,883	1,652	0.384	0.399	0.393	0.383	52	745	740	632
12	8	19	168	1,974	2,000	2,033	-	-	-	-	32	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	9	7	20	-	-	-	-	136	1,894	1,921	1,695	0.386	0.401	0.395	0.384	52	759	759	650
12	8	20	166	1,957	1,984	2,018	-	-	-	-	32	-	-	-	-	-	-	-	-	21	21	268	-	34	34	34	-	4	4	5	-	-	-	-	134	1,898	1,924	1,710	0.385	0.400	0.394	0.383	52	759	759	655
12	8	21	162	1,901	1,927	1,960	-	-	-	-	33	-	-	-	-	-	-	-	-	14	14	261	-	34	34	34	-	4	4	5	-	-	-	-	129	1,850	1,875	1,660	0.384	0.399	0.393	0.382	49	738	738	634
12	8	22	152	1,791	1,817	1,848	-	-	-	-	34	-	-	-	-	-	-	-	-	19	19	266	-	34	34	34	-	-	4	2	-	-	-	-	119	1,738	1,759	1,545	0.378	0.396	0.390	0.380	45	687	686	588
12	8	23	138	1,629	1,653	1,682	-	-	-	-	34	-	-	-	-	-	-	-	-	30	30	277	-	34	34	34	-	5	13	-	-	-	-	-	104	1,560	1,576	1,371	0.370	0.390	0.385	0.377	39	609	607	517
12	8	24	134	1,572	1,591	1,616	-	-	-	-	25	-	-	-	-	-	-	-	-	27	27	274	-	34	34	34	-	-	4	-	-	-	-	-	109	1,511	1,526	1,308	0.365	0.385	0.380	0.369	40	582	580	483
12	9	1	114	1,335	1,344	1,358	-	-	-	-	34	-	-	-	-	-	-	-	-	26	26	273	-	34	34	34	-	18	8	0	-	-	-	-	80	1,257	1,276	1,050	0.367	0.388	0.382	0.373	29	488	488	392
12	9	2	108	1,255	1,258	1,265	-	-	-	-	30	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	2	2	-	-	-	-	-	78	1,182	1,185	947	0.365	0.389	0.383	0.372	28	459	454	352
12	9	3	104	1,204	1,199	1,201	-	-	-	-	25	-	-	-	-	-	-	-	-	43	43	290	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,127	1,124	874	0.365	0.388	0.382	0.370	29	437	430	324
12	9	4	103	1,185	1,176	1,173	-	-	-	-	19	-	-	-	-	-	-	-	-	41	41	288	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	84	1,110	1,102	852	0.365	0.386	0.381	0.369	31	429	420	314
12	9	5	105	1,207	1,194	1,187	-	-	-	-	23	-	-	-	-	-	-	-	-	40	40	287	-	34	34	34	-	13	-	-	-	-	-	-	82	1,119	1,119	866	0.365	0.384	0.379	0.365	30	429	424	316
12	9	6	113	1,299	1,281	1,271	-	-	-	-	30	-	-	-	-	-	-	-	-	45	45	292	-	34	34	34	-	1	10	(4)	-	-	-	-	83	1,219	1,192	949	0.365	0.382	0.375	0.364	30	466	447	345
12	9	7	128	1,467	1,449	1,441	-	-	-	-	31	-	-	-	-	-	-	-	0	67	67	314	-	34	34	34	-	14	7	11	-	-	-	-	97	1,351	1,341	1,081	0.365	0.385	0.377	0.364	35	520	505	393
12	9	8	136	1,556	1,541	1,537	-	-	-	-	26	-	-	-	-	-	-	-	14	758	779	1,044	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	96	768	731	465	0.368	0.382	0.377	0.381	35	293	276	177
12	9	9	137	1,574	1,562	1,563	-	-	-	-	16	-	-	-	-	-	-	-	28	1,279	1,351	1,663	-	34	34	34	-	(3)	(1)	5	-	-	-	-	93	264	177	(139)	0.372	0.364	0.365	0.394	35	96	65	(55)
12	9	10	140	1,606	1,594	1,594	-	-	-	-	13	-	-	-	-	-	-	-	45	2,037	2,152	2,502	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	82	(460)	(578)	(923)	0.377	0.384	0.384	0.000	31	(177)	(222)	-
12	9	11	142	1,633	1,619	1,618	-	-	-	-	12	-	-	-	-	-	-	-	49	2,202	2,336	2,703	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	80	(585)	(734)	(1,103)	0.384	0.384	0.384	0.000	31	(225)	(282)	-
12	9	12	142	1,636	1,622	1,619	-	-	-	-	11	-	-	-	-	-	-	-	48	2,030	2,174	2,551	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	83	(411)	(570)	(949)	0.384	0.384	0.384	0.000	32	(158)	(219)	-
12	9	13	141	1,628	1,617	1,617	-	-	-	-	11	-	-	-	-	-	-	-	50	2,206	2,346	2,719	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	80	(595)	(747)	(1,119)	0.384	0.384	0.384	0.000	31	(228)	(287)	-
12	9	14	141	1,624	1,616	1,618	-	-	-	-	11	-	-	-	-	-	-	-	47	2,119	2,239	2,593	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	83	(511)	(640)	(993)	0.384	0.384	0.384	0.000	32	(196)	(246)	-
12	9	15	141	1,626	1,621	1,626	-	-	-	-	12	-	-	-	-	-	-	-	38	1,743	1,836	2,166	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	91	(141)	(246)	(560)	0.384	0.384	0.384	0.000	35	(54)	(95)	-
12	9	16	142	1,652	1,655	1,666	-	-	-	-	20	-	-	-	-	-	-	-	25	1,237	1,295	1,593	-	34	34	34	-	(1)	(0)	2	-	-	-	-	97	382	326	37	0.376	0.377	0.373	0.386	37	144	122	14
12	9	17	150	1,748	1,755	1,771	-	-	-	-	29	-	-	-	-	-	-	-	3	178	183	435	-	34	34	34	-	1	(1)	15	-	-	-	-	119	1,535	1,539	1,288	0.368	0.386	0.389	0.389	44	593	598	501
12	9	18	166	1,944	1,963	1,991	-	-	-	-	31	-	-	-	-	-	-	-	-	48	48	295	-	34	34	34	-	(4)	(2)	9	-	-	-	-	135	1,866	1,883	1,652	0.384	0.399	0.393	0.383	52	745	741	632
12	9	19	167	1,956	1,982	2,014	-	-	-	-	32	-	-	-	-	-	-	-	-	44	44	291	-	34	34	34	-	9	7	20	-	-	-	-	135	1,869	1,896	1,669	0.386	0.401	0.395	0.384	52	749	749	641
12	9	20	163	1,916	1,942	1,975	-	-	-	-	32	-	-	-	-	-	-	-	-	49	49	296	-	34	34	34	-	4	4	5	-	-	-	-	131	1,829	1,855	1,640	0.385	0.400	0.394	0.383	50	732	731	628
12	9	21	159	1,863	1,888	1,920	-	-	-	-	33	-	-	-	-	-	-	-	-	43	43	290	-	34	34	34	-	4	4	5	-	-	-	-	126	1,782	1,807	1,590	0.384	0.399	0.393	0.382	48	711	711	607
12	9	22	151	1,780	1,806	1,836	-	-	-	-	34	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	-	4	2	-	-	-	-	118	1,710	1,730	1,517	0.378	0.396	0.390	0.380	44	676	674	577
12	9	23	140	1,652	1,676	1,706	-	-	-	-	34	-	-	-	-	-	-	-	-	34	34	281	-	34	34	34	-	5	13	-	-	-	-	-	106	1,579	1,595	1,391	0.370	0.390	0.385	0.377	39	616	614	524
12	9	24	135	1,589	1,610	1,635	-	-	-	-	25	-	-	-	-	-	-	-	-	32	32	279	-	34	34	34	-	-	4	-	-	-	-	-	110	1,524	1,540	1,322	0.365	0.385	0.380	0.369	40	587	585	488
12	10	1	116	1,355	1,365	1,379	-	-	-	-	34	-	-	-	-	-	-	-	-	24	24	271	-	34	34	34	-	18	8	0	-	-	-	-	82	1,280	1,299	1,074	0.367	0.388	0.382	0.373	30	497	497	401
12	10	2	109	1,267	1,270	1,278	-	-	-	-	30	-	-	-	-	-	-	-	-	19	19	266	-	34	34	34	-	2	2	-	-	-	-	-	79	1,211	1,215	977	0.365	0.389	0.383	0.372	29	471	465	364
12	10	3	104	1,207	1,203	1,205	-	-	-	-	25	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,161	1,158	908	0.365	0.388	0.382	0.370	29	450	443	336
12	10	4	102	1,173	1,163	1,160	-	-	-	-	19	-	-	-	-	-	-	-	-	9	9	256	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	83	1,131	1,122	872	0.365	0.386	0.381	0.369	30	437	428	321
12	10	5	102	1,172	1,158	1,151	-	-	-	-	23	-	-	-	-	-	-	-	-	8	8	255	-	34	34	34	-	13	-	-	-	-	-	-	79	1,117	1,117	862	0.365	0.384	0.379	0.365	29	429	423	315
12	10	6	106	1,210	1,189	1,177	-	-	-	-	30	-	-	-	-	-	-	-	-	6	6	253	-	34	34	34	-	1	10	(4)	-	-	-	-	76	1,168	1,139	895	0.365	0.382	0.375	0.364	28	446	427	325
12	10	7	112	1,278	1,256	1,244	-	-	-	-	31	-	-	-	-	-	-	-	1	51	51	298	-	34	34	34	-	14	7	11	-	-	-	-	81	1,179	1,165	900	0.365	0.385	0.377	0.364	29	454	439	328

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	10	8	118	1,345	1,325	1,316	-	-	-	-	26	-	-	-	-	-	-	-
12	10	9	124	1,416	1,401	1,398	-	-	-	-	16	-	-	-	-	-	-	-
12	10	10	127	1,459	1,444	1,441	-	-	-	-	13	-	-	-	-	-	-	-
12	10	11	129	1,479	1,462	1,457	-	-	-	-	12	-	-	-	-	-	-	-
12	10	12	129	1,482	1,465	1,458	-	-	-	-	11	-	-	-	-	-	-	-
12	10	13	129	1,477	1,463	1,460	-	-	-	-	11	-	-	-	-	-	-	-
12	10	14	127	1,467	1,455	1,453	-	-	-	-	11	-	-	-	-	-	-	-
12	10	15	127	1,462	1,453	1,453	-	-	-	-	12	-	-	-	-	-	-	-
12	10	16	129	1,498	1,497	1,505	-	-	-	-	20	-	-	-	-	-	-	-
12	10	17	140	1,625	1,630	1,643	-	-	-	-	29	-	-	-	-	-	-	-
12	10	18	155	1,807	1,823	1,847	-	-	-	-	31	-	-	-	-	-	-	-
12	10	19	155	1,824	1,846	1,876	-	-	-	-	32	-	-	-	-	-	-	-
12	10	20	153	1,793	1,817	1,846	-	-	-	-	32	-	-	-	-	-	-	-
12	10	21	149	1,747	1,770	1,799	-	-	-	-	33	-	-	-	-	-	-	-
12	10	22	142	1,668	1,691	1,719	-	-	-	-	34	-	-	-	-	-	-	-
12	10	23	132	1,557	1,580	1,607	-	-	-	-	34	-	-	-	-	-	-	-
12	10	24	126	1,478	1,496	1,518	-	-	-	-	25	-	-	-	-	-	-	-
12	11	1	111	1,301	1,309	1,322	-	-	-	-	34	-	-	-	-	-	-	-
12	11	2	105	1,215	1,216	1,223	-	-	-	-	30	-	-	-	-	-	-	-
12	11	3	100	1,155	1,149	1,150	-	-	-	-	25	-	-	-	-	-	-	-
12	11	4	97	1,119	1,108	1,104	-	-	-	-	19	-	-	-	-	-	-	-
12	11	5	97	1,109	1,093	1,085	-	-	-	-	23	-	-	-	-	-	-	-
12	11	6	99	1,124	1,101	1,087	-	-	-	-	30	-	-	-	-	-	-	-
12	11	7	102	1,161	1,136	1,121	-	-	-	-	31	-	-	-	-	-	-	-
12	11	8	105	1,196	1,172	1,160	-	-	-	-	26	-	-	-	-	-	-	-
12	11	9	111	1,269	1,250	1,244	-	-	-	-	16	-	-	-	-	-	-	-
12	11	10	116	1,332	1,313	1,306	-	-	-	-	13	-	-	-	-	-	-	-
12	11	11	120	1,374	1,355	1,347	-	-	-	-	12	-	-	-	-	-	-	-
12	11	12	122	1,395	1,375	1,367	-	-	-	-	11	-	-	-	-	-	-	-
12	11	13	123	1,409	1,394	1,388	-	-	-	-	11	-	-	-	-	-	-	-
12	11	14	123	1,410	1,396	1,393	-	-	-	-	11	-	-	-	-	-	-	-
12	11	15	123	1,415	1,405	1,405	-	-	-	-	12	-	-	-	-	-	-	-
12	11	16	125	1,451	1,450	1,456	-	-	-	-	20	-	-	-	-	-	-	-
12	11	17	135	1,571	1,575	1,586	-	-	-	-	29	-	-	-	-	-	-	-
12	11	18	153	1,791	1,807	1,830	-	-	-	-	31	-	-	-	-	-	-	-
12	11	19	157	1,837	1,860	1,889	-	-	-	-	32	-	-	-	-	-	-	-
12	11	20	155	1,823	1,847	1,878	-	-	-	-	32	-	-	-	-	-	-	-
12	11	21	151	1,777	1,801	1,830	-	-	-	-	33	-	-	-	-	-	-	-
12	11	22	142	1,674	1,697	1,725	-	-	-	-	34	-	-	-	-	-	-	-
12	11	23	130	1,527	1,549	1,576	-	-	-	-	34	-	-	-	-	-	-	-
12	11	24	121	1,420	1,436	1,457	-	-	-	-	25	-	-	-	-	-	-	-
12	12	1	107	1,246	1,253	1,264	-	-	-	-	34	-	-	-	-	-	-	-
12	12	2	101	1,177	1,177	1,182	-	-	-	-	30	-	-	-	-	-	-	-
12	12	3	98	1,135	1,129	1,128	-	-	-	-	25	-	-	-	-	-	-	-
12	12	4	98	1,123	1,112	1,108	-	-	-	-	19	-	-	-	-	-	-	-
12	12	5	101	1,155	1,140	1,132	-	-	-	-	23	-	-	-	-	-	-	-
12	12	6	109	1,253	1,234	1,223	-	-	-	-	30	-	-	-	-	-	-	-
12	12	7	123	1,415	1,396	1,387	-	-	-	-	31	-	-	-	-	-	-	-
12	12	8	133	1,521	1,505	1,501	-	-	-	-	26	-	-	-	-	-	-	-
12	12	9	135	1,555	1,543	1,544	-	-	-	-	16	-	-	-	-	-	-	-
12	12	10	138	1,586	1,573	1,574	-	-	-	-	13	-	-	-	-	-	-	-
12	12	11	139	1,603	1,590	1,588	-	-	-	-	12	-	-	-	-	-	-	-
12	12	12	140	1,611	1,597	1,594	-	-	-	-	11	-	-	-	-	-	-	-
12	12	13	140	1,611	1,600	1,600	-	-	-	-	11	-	-	-	-	-	-	-
12	12	14	140	1,614	1,606	1,608	-	-	-	-	11	-	-	-	-	-	-	-
12	12	15	140	1,616	1,611	1,615	-	-	-	-	12	-	-	-	-	-	-	-
12	12	16	142	1,646	1,649	1,661	-	-	-	-	20	-	-	-	-	-	-	-
12	12	17	150	1,741	1,748	1,764	-	-	-	-	29	-	-	-	-	-	-	-
12	12	18	168	1,962	1,982	2,010	-	-	-	-	31	-	-	-	-	-	-	-
12	12	19	170	1,997	2,024	2,058	-	-	-	-	32	-	-	-	-	-	-	-
12	12	20	167	1,964	1,992	2,026	-	-	-	-	32	-	-	-	-	-	-	-
12	12	21	161	1,898	1,924	1,957	-	-	-	-	33	-	-	-	-	-	-	-
12	12	22	152	1,783	1,808	1,839	-	-	-	-	34	-	-	-	-	-	-	-
12	12	23	137	1,609	1,633	1,661	-	-	-	-	34	-	-	-	-	-	-	-
12	12	24	133	1,566	1,585	1,610	-	-	-	-	25	-	-	-	-	-	-	-
12	13	1	112	1,311	1,320	1,333	-	-	-	-	34	-	-	-	-	-	-	-
12	13	2	110	1,281	1,283	1,292	-	-	-	-	30	-	-	-	-	-	-	-
12	13	3	106	1,229	1,225	1,228	-	-	-	-	25	-	-	-	-	-	-	-
12	13	4	105	1,207	1,198	1,195	-	-	-	-	19	-	-	-	-	-	-	-
12	13	5	106	1,224	1,211	1,205	-	-	-	-	23	-	-	-	-	-	-	-
12	13	6	115	1,317	1,300	1,290	-	-	-	-	30	-	-	-	-	-	-	-
12	13	7	129	1,482	1,464	1,457	-	-	-	-	31	-	-	-	-	-	-	-
12	13	8	138	1,589	1,575	1,573	-	-	-	-	26	-	-	-	-	-	-	-
12	13	9	142	1,630	1,620	1,623	-	-	-	-	16	-	-	-	-	-	-	-
12	13	10	145	1,666	1,655	1,658	-	-	-	-	13	-	-	-	-	-	-	-
12	13	11	146	1,675	1,663	1,663	-	-	-	-	12	-	-	-	-	-	-	-
12	13	12	144	1,663	1,649	1,648	-	-	-	-	11	-	-	-	-	-	-	-
12	13	13	144	1,655	1,646	1,646	-	-	-	-	11	-	-	-	-	-	-	-
12	13	14	143	1,656	1,648	1,652	-	-	-	-	11	-	-	-	-	-	-	-
12	13	15	143	1,655	1,651	1,657	-	-	-	-	12	-	-	-	-	-	-	-
12	13	16	144	1,676	1,680	1,692	-	-	-	-	20	-	-	-	-	-	-	-
12	13	17	153	1,777	1,785	1,802	-	-	-	-	29	-	-	-	-	-	-	-
12	13	18	170	1,990	2,010	2,039	-	-	-	-	31	-	-	-	-	-	-	-
12	13	19	168	1,978	2,004	2,037	-	-	-	-	32	-	-	-	-	-	-	-
12	13	20	166	1,948	1,976	2,009	-	-	-	-	32	-	-	-	-	-	-	-
12	13	21	161	1,894	1,921	1,953	-	-	-	-	33	-	-	-	-	-	-	-
12	13	22	152	1,783	1,808	1,839	-	-	-	-	34	-	-	-	-	-	-	-
12	13	23	138	1,618	1,642	1,671	-	-	-	-	34	-	-	-	-	-	-	-
12	13	24	137	1,615	1,636	1,661	-	-	-	-	25	-	-	-	-	-	-	-
12	14	1	113	1,315	1,324	1,337	-	-	-	-	34	-	-	-	-	-	-	-
12	14	2	106	1,232	1,233	1,240	-	-	-	-	30	-	-	-	-	-	-	-
12	14	3	102	1,179	1,174	1,175	-	-	-	-	25	-	-	-	-	-	-	-
12	14	4	101	1,164	1,154	1,150	-	-	-	-	19	-	-	-	-	-	-	-
12	14	5	104	1,189	1,175	1,169	-	-	-	-	23	-	-	-	-	-	-	-
12	14	6	113	1,292	1,274	1,264	-	-	-	-	30	-	-	-	-	-	-	-
12	14	7	128	1,468	1,451	1,443	-	-	-	-	31	-	-	-	-	-	-	-
12	14	8	136	1,563	1,548	1,545	-	-	-	-	26	-	-	-	-	-	-	-
12	14	9	137	1,574	1,563	1,564	-	-	-	-	16	-	-	-	-	-	-	-
12	14	10	138	1,586	1,573	1,574	-	-	-	-	13	-	-	-	-	-	-	-
12	14	11	139	1,598	1,583	1,581	-	-	-	-	12	-	-	-	-	-	-	-
12	14	12	139	1,596	1,581	1,577	-	-	-	-	11	-	-	-	-	-	-	-
12	14	13	139	1,603	1,592	1,591	-	-	-	-	11	-	-	-	-	-	-	-
12	14	14	139	1,607	1,598	1,600	-	-	-	-	11	-	-	-	-	-	-	-
12	14	15	139	1,605	1,600	1,604	-	-	-	-	12	-	-	-	-	-	-	-
12	14	16	140	1,625	1,627	1,638	-	-	-	-	20	-	-	-	-	-	-	-
12	14	17	148	1,722	1,729	1,744	-	-	-	-	29	-	-	-	-	-	-	-
12	14	18	166	1,948	1,967	1,995	-	-	-	-	31	-	-	-	-	-	-	-

			Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	10	8	23	1,270	1,297	1,569	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	10	9	43	2,076	2,163	2,488	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	10	10	55	2,529	2,661	3,026	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	10	11	62	2,781	2,938	3,325	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	10	12	64	2,836	3,005	3,404	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	10	13	64	2,840	3,010	3,410	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	10	14	61	2,748	2,904	3,291	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	10	15	52	2,358	2,490	2,855	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	10	16	31	1,466	1,538	1,849	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	10	17	4	228	234	487	-	34	34	34	-	1	(1)	15	-	-	-	-
12	10	18	-	38	38	285	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	10	19	-	40	40	287	-	34	34	34	-	9	7	20	-	-	-	-
12	10	20	-	36	36	283	-	34	34	34	-	4	4	5	-	-	-	-
12	10	21	-	41	41	288	-	34	34	34	-	4	4	5	-	-	-	-
12	10	22	-	55	55	302	-	34	34	34	-	-	4	2	-	-	-	-
12	10	23	-	63	63	310	-	34	34	34	-	5	13	-	-	-	-	-
12	10	24	-	73	73	320	-	34	34	34	-	-	4	-	-	-	-	-
12	11	1	-	81	81	328	-	34	34	34	-	18	8	0	-	-	-	-
12	11	2	-	78	78	325	-	34	34	34	-	2	2	-	-	-	-	-
12	11	3	-	71	71	318	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	11	4	-	73	73	320	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	11	5	-	79	79	326	-	34	34	34	-	13	-	-	-	-	-	-
12	11	6	-	78	78	325	-	34	34	34	-	1	10	(4)	-	-	-	-
12	11	7	0	98	98	345	-	34	34	34	-	14	7	11	-	-	-	-
12	11	8	18	1,055	1,074	1,338	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	11	9	39	1,940	2,023	2,343	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	11	10	55	2,578	2,709	3,073	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	11	11	62	2,862	3,018	3,405	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	11	12	64	2,892	3,059	3,457	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	11	13	65	2,898	3,071	3,473	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	11	14	62	2,780	2,942	3,334	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	11	15	53	2,432	2,562	2,925	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	11	16	31	1,493	1,565	1,876	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	11	17	4	224	230	483	-	34	34	34	-	1	(1)	15	-	-	-	-
12	11	18	-	30	30	277	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	11	19	-	25	25	272	-	34	34	34	-	9	7	20	-	-	-	-
12	11	20	-	18	18	265	-	34	34	34	-	4	4	5	-	-	-	-
12	11	21	-	13	13	260	-	34	34	34	-	4	4	5	-	-	-	-
12	11	22	-	5	5	252	-	34	34	34	-	-	4	2	-	-	-	-
12	11	23	-	3	3	250	-	34	34	34	-	5	13	-	-	-	-	-
12	11	24	-	3	3	250	-	34	34	34	-	-	4	-	-	-	-	-
12	12	1	-	2	2	249	-	34	34	34	-	18	8	0	-	-	-	-
12	12	2	-	0	0	247	-	34	34	34	-	2	2	-	-	-	-	-
12	12	3	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	12	4	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	12	5	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-
12	12	6	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-
12	12	7	1	33	33	280	-	34	34	34	-	14	7	11	-	-	-	-
12	12	8	21	1,155	1,180	1,448	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	12	9	41	2,005	2,083	2,399	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	12	10	52	2,452	2,568	2,920	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	12	11	50	2,251	2,376	2,735	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	12	12	54	2,414	2,552	2,923	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	12	13	55	2,463	2,604	2,977	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	12	14	61	2,737	2,892	3,278	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	12	15	52	2,308	2,440	2,805	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	12	16	27	1,245	1,312	1,618	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	12	17	3	154	161	414	-	34	34	34	-	1	(1)	15	-	-	-	-
12	12	18	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	12	19	-	-	-	247	-	34	34	34	-	9	7	20	-	-	-	-
12	12	20	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-
12	12	21	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-
12	12	22	-	-	-	247	-	34	34	34	-	-	4	2	-	-	-	-
12	12	23	-	-	-	247	-	34	34	34	-	5	13	-	-	-	-	-
12	12	24	-	-	-	247	-	34	34	34	-	-	4	-	-	-	-	-
12	13	1	-	-	-	247	-	34	34	34	-	18	8	0	-	-	-	-
12	13	2	-	-	-	247	-	34	34	34	-	2	2	-	-	-	-	-
12	13	3	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	13	4	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	13	5	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-
12	13	6	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-
12	13	7	0	12	12	259	-	34	34	34	-	14	7	11	-	-	-	-
12	13	8	8	407	425	688	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	13	9	23	929	1,001	1,313	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	13	10	41	1,695	1,814	2,167	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	13	11	46	1,840	1,987	2,367	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	13	12	43	1,568	1,724	2,111	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	13	13	48	1,903	2,057	2,442	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	13	14	52	2,226	2,370	2,747	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	13	15	37	1,476	1,592	1,943	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	13	16	21	872	939	1,246	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	13	17	2	91	98	352	-	34	34	34	-	1	(1)	15	-	-	-	-
12	13	18	-	15	15	262	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	13	19	-	19	19	266	-	34	34	34	-	9	7	20	-	-	-	-
12	13	20	-	19	19	266	-	34	34	34	-	4	4	5	-	-	-	-
12	13	21	-	20	20	267	-	34	34	34	-	4	4	5	-	-	-	-
12	13	22	-	20	20	267	-	34	34	34	-	-	4	2	-	-	-	-
12	13	23	-	20	20	267	-	34	34	34	-	5	13	-	-	-	-	-
12	13	24	-	16	16	263	-	34	34	34	-	-	4	-	-	-	-	-
12	14	1	-	12	12	259	-	34	34	34	-	18	8	0	-	-	-	-
12	14	2	-	7	7	254	-	34	34	34	-	2	2	-	-	-	-	-
12	14	3	-	2	2	249	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	14	4	-	0	0	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	14	5	-	0	0	247	-	34	34	34	-	13	-	-	-	-	-	-
12	14	6	-	1	1	248	-	34	34	34	-	1	10	(4)	-	-	-	-
12	14	7	0	32	32	279	-	34	34	34	-	14	7	11	-	-	-	-
12	14	8	22	1,190	1,216	1,486	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	14	9	42	2,057	2,143	2,467	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	14	10	55	2,537	2,667	3,030	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	14	11	63	2,796	2,954	3,343	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	14	12	65	2,849	3,025	3,429	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	14	13	65	2,846	3,020	3,423	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	14	14	62	2,724	2,885	3,277	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	14	15	54	2,400	2,535	2,902	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	14	16	32	1,454	1,529	1,843	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	14	17	4	205	212	466	-	34	34	34	-	1	(1)	15	-	-	-	-
12	14	18	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-

			Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	10	8	69	45	(3)	(281)	0.368	0.382	0.377	0.381	25	17	(1)	(107)
12	10	9	65	(691)	(796)	(1,129)	0.372	0.364	0.365	0.394	24	(251)	(291)	(445)
12	10	10	59	(1,099)	(1,237)	(1,600)	0.377	0.384	0.384	0.000	22	(422)	(475)	-
12	10	11	55	(1,319)	(1,493)	(1,886)	0.384	0.384	0.384	0.000	21	(506)	(573)	-
12	10	12	54	(1,371)	(1,559)	(1,964)	0.384	0.384	0.384	0.000	21	(526)	(598)	-
12	10	13	53	(1,380)	(1,565)	(1,967)	0.384	0.384	0.384	0.000	20	(530)	(601)	-
12	10	14	55	(1,298)	(1,467)	(1,856)	0.384	0.384	0.384	0.000	21	(498)	(563)	-
12	10	15	62	(921)	(1,069)	(1,422)	0.384	0.384	0.384	0.000	24	(354)	(410)	-
12	10	16	79	(1)	(74)	(380)	0.376	0.377	0.373	0.386	30	(0)	(28)	(147)
12	10	17	107	1,363	1,362	1,106	0.368	0.386	0.389	0.389	39	526	530	430
12	10	18	124	1,738	1,752	1,518	0.384	0.399	0.393	0.383	48	694	689	581
12	10	19	123	1,741	1,765	1,534	0.386	0.401	0.395	0.384	48	697	697	589
12	10	20	120	1,720	1,742	1,524	0.385	0.400	0.394	0.383	46	688	687	584
12	10	21	116	1,669	1,691	1,471	0.384	0.399	0.393	0.382	44	666	665	562
12	10	22	108	1,580	1,598	1,381	0.378	0.396	0.390	0.380	41	625	623	525
12	10	23	98	1,456	1,470	1,263	0.370	0.390	0.385	0.377	36	568	566	476
12	10	24	101	1,371	1,384	1,164	0.365	0.385	0.380	0.369	37	528	526	430
12	11	1	77	1,168	1,186	959	0.367	0.388	0.382	0.373	28	453	453	358
12	11	2	74	1,100	1,102	864	0.365	0.389	0.383	0.372	27	428	422	321
12	11	3	75	1,050	1,046	795	0.365	0.388	0.382	0.370	27	407	400	294
12	11	4	79	1,013	1,003	752	0.365	0.386	0.381	0.369	29	391	382	277
12	11	5	74	982	980	724	0.365	0.384	0.379	0.365	27	377	371	265
12	11	6	69	1,011	979	733	0.365	0.382	0.375	0.364	25	386	367	267
12	11	7	71	1,015	998	730	0.365	0.385	0.377	0.364	26	391	376	266
12	11	8	62	111	67	(207)	0.368	0.382	0.377	0.381	23	42	25	(79)
12	11	9	56	(702)	(805)	(1,138)	0.372	0.364	0.365	0.394	21	(255)	(294)	(448)
12	11	10	48	(1,276)	(1,416)	(1,782)	0.377	0.384	0.384	0.000	18	(490)	(544)	-
12	11	11	45	(1,504)	(1,681)	(2,076)	0.384	0.384	0.384	0.000	17	(578)	(646)	-
12	11	12	47	(1,514)	(1,702)	(2,108)	0.384	0.384	0.384	0.000	18	(581)	(653)	-
12	11	13	47	(1,505)	(1,695)	(2,102)	0.384	0.384	0.384	0.000	18	(578)	(651)	-
12	11	14	49	(1,388)	(1,564)	(1,959)	0.384	0.384	0.384	0.000	19	(533)	(600)	-
12	11	15	58	(1,041)	(1,188)	(1,541)	0.384	0.384	0.384	0.000	22	(400)	(456)	-
12	11	16	74	(75)	(149)	(456)	0.376	0.377	0.373	0.386	28	(28)	(56)	(176)
12	11	17	103	1,313	1,311	1,055	0.368	0.386	0.389	0.389	38	507	510	410
12	11	18	122	1,731	1,745	1,510	0.384	0.399	0.393	0.383	47	691	686	578
12	11	19	124	1,769	1,793	1,563	0.386	0.401	0.395	0.384	48	709	708	600
12	11	20	123	1,768	1,791	1,574	0.385	0.400	0.394	0.383	47	707	706	603
12	11	21	118	1,727	1,750	1,531	0.384	0.399	0.393	0.382	45	689	688	585
12	11	22	109	1,636	1,654	1,438	0.378	0.396	0.390	0.380	41	647	645	547
12	11	23	96	1,486	1,499	1,292	0.370	0.390	0.385	0.377	35	580	577	487
12	11	24	96	1,382	1,394	1,172	0.365	0.385	0.380	0.369	35	533	530	433
12	12	1	72	1,191	1,208	980	0.367	0.388	0.382	0.373	27	463	462	366
12	12	2	71	1,140	1,141	901	0.365	0.389	0.383	0.372	26	443	437	335
12	12	3	73	1,101	1,096	844	0.365	0.388	0.382	0.370	27	427	419	313
12	12	4	79	1,089	1,080	829	0.365	0.386	0.381	0.369	29	421	412	305
12	12	5	77	1,107	1,106	851	0.365	0.384	0.379	0.365	28	425	419	311
12	12	6	79	1,217	1,189	946	0.365	0.382	0.375	0.364	29	465	446	344
12	12	7	92	1,333	1,322	1,061	0.365	0.385	0.377	0.364	34	514	498	386
12	12	8	86	335	294	24	0.368	0.382	0.377	0.381	32	128	111	9
12	12	9	79	(481)	(573)	(894)	0.372	0.364	0.365	0.394	29	(175)	(209)	(352)
12	12	10	72	(895)	(1,015)	(1,361)	0.377	0.384	0.384	0.000	27	(344)	(390)	-
12	12	11	77	(664)	(804)	(1,165)	0.384	0.384	0.384	0.000	30	(255)	(309)	-
12	12	12	75	(820)	(973)	(1,347)	0.384	0.384	0.384	0.000	29	(315)	(374)	-
12	12	13	73	(869)	(1,022)	(1,394)	0.384	0.384	0.384	0.000	28	(334)	(392)	-
12	12	14	67	(1,140)	(1,304)	(1,688)	0.384	0.384	0.384	0.000	26	(438)	(501)	-
12	12	15	76	(717)	(861)	(1,210)	0.384	0.384	0.384	0.000	29	(275)	(331)	-
12	12	16	95	368	304	6	0.376	0.377	0.373	0.386	36	139	113	2
12	12	17	117	1,552	1,554	1,301	0.368	0.386	0.389	0.389	43	599	604	506
12	12	18	137	1,932	1,950	1,720	0.384	0.399	0.393	0.383	53	771	767	658
12	12	19	138	1,954	1,982	1,756	0.386	0.401	0.395	0.384	53	783	783	674
12	12	20	135	1,926	1,953	1,739	0.385	0.400	0.394	0.383	52	771	770	666
12	12	21	128	1,860	1,886	1,670	0.384	0.399	0.393	0.382	49	743	742	638
12	12	22	118	1,749	1,770	1,556	0.378	0.396	0.390	0.380	45	692	690	592
12	12	23	103	1,570	1,585	1,380	0.370	0.390	0.385	0.377	38	613	610	520
12	12	24	108	1,532	1,547	1,329	0.365	0.385	0.380	0.369	39	590	588	491
12	13	1	78	1,260	1,278	1,052	0.367	0.388	0.382	0.373	29	489	489	393
12	13	2	80	1,244	1,248	1,011	0.365	0.389	0.383	0.372	29	483	478	376
12	13	3	81	1,195	1,193	944	0.365	0.388	0.382	0.370	30	463	456	349
12	13	4	86	1,173	1,165	916	0.365	0.386	0.381	0.369	31	453	444	338
12	13	5	83	1,176	1,177	924	0.365	0.384	0.379	0.365	30	451	446	338
12	13	6	85	1,282	1,255	1,014	0.365	0.382	0.375	0.364	31	490	470	369
12	13	7	98	1,421	1,412	1,153	0.365	0.385	0.377	0.364	36	547	532	419
12	13	8	104	1,152	1,119	856	0.368	0.382	0.377	0.381	38	440	422	327
12	13	9	103	671	586	271	0.372	0.364	0.365	0.394	38	244	214	107
12	13	10	91	(58)	(179)	(525)	0.377	0.384	0.384	0.000	34	(22)	(69)	-
12	13	11	87	(181)	(342)	(722)	0.384	0.384	0.384	0.000	33	(70)	(131)	-
12	13	12	90	78	(92)	(481)	0.384	0.384	0.384	0.000	35	30	(35)	-
12	13	13	84	(264)	(429)	(812)	0.384	0.384	0.384	0.000	32	(101)	(165)	-
12	13	14	80	(587)	(740)	(1,113)	0.384	0.384	0.384	0.000	31	(225)	(284)	-
12	13	15	94	155	27	(306)	0.384	0.384	0.384	0.000	36	59	11	-
12	13	16	103	771	707	410	0.376	0.377	0.373	0.386	39	290	264	158
12	13	17	122	1,651	1,654	1,401	0.368	0.386	0.389	0.389	45	638	643	545
12	13	18	139	1,944	1,963	1,733	0.384	0.399	0.393	0.383	53	776	772	663
12	13	19	136	1,915	1,943	1,717	0.386	0.401	0.395	0.384	53	767	767	659
12	13	20	133	1,892	1,918	1,704	0.385	0.400	0.394	0.383	51	757	756	653
12	13	21	128	1,837	1,863	1,647	0.384	0.399	0.393	0.382	49	733	733	629
12	13	22	118	1,729	1,750	1,537	0.378	0.396	0.390	0.380	45	684	682	585
12	13	23	104	1,560	1,575	1,370	0.370	0.390	0.385	0.377	38	609	606	516
12	13	24	112	1,565	1,581	1,364	0.365	0.385	0.380	0.369	41	603	601	504
12	14	1	78	1,251	1,269	1,043	0.367	0.388	0.382	0.373	29	486	485	390
12	14	2	76	1,188	1,191	952	0.365	0.389	0.383	0.372	28	462	456	354
12	14	3	77	1,143	1,140	889	0.365	0.388	0.382	0.370	28	443	436	329
12	14	4	82	1,130	1,121	871	0.365	0.386	0.381	0.369	30	437	427	321
12	14	5	80	1,142	1,141	888	0.365	0.384	0.379	0.365	29	438	432	324
12	14	6	83	1,256	1,229	986	0.365	0.382	0.375	0.364	30	480	460	359
12	14	7	97	1,388	1,379	1,119	0.365	0.385	0.377	0.364	35	535	519	407
12	14	8	89	342	301	31	0.368	0.382	0.377	0.381	33	131	113	12
12	14	9	79	(514)	(613)	(942)	0.372	0.364	0.365	0.394	29	(187)	(224)	(371)
12	14	10	70	(980)	(1,113)	(1,471)	0.377	0.384	0.384	0.000	26	(376)	(427)	-
12	14	11	64	(1,215)	(1,389)	(1,780)	0.384	0.384	0.384	0.000	25	(467)	(533)	-
12	14	12	62	(1,271)	(1,462)	(1,869)	0.384	0.384	0.384	0.000	24	(488)	(561)	-
12	14	13	63	(1,260)	(1,446)	(1,849)	0.384	0.384	0.384	0.000	24	(484)	(555)	-
12	14	14	66	(1,134)	(1,305)	(1,694)	0.384	0.384	0.384	0.000	25	(436)	(501)	-
12	14	15	73	(819)	(967)	(1,319)	0.384	0.384	0.384	0.000	28	(315)	(371)	-
12	14	16	89	138	64	(241)	0.376	0.377	0.373	0.386	33	52	24	(93)
12	14	17	115	1,482	1,483	1,229	0.368	0.386	0.389	0.389	42	573	577	478
12	14	18	136	1,917	1,935	1,704	0.384	0.399	0.393	0.383	52	766	761	652

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	14	19	169	1,980	2,006	2,040	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	9	7	20	-	-	-	-	137	1,937	1,965	1,739	0.386	0.401	0.395	0.384	53	776	776	667
12	14	20	166	1,948	1,975	2,009	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	133	1,911	1,937	1,723	0.385	0.400	0.394	0.383	51	764	764	660
12	14	21	161	1,892	1,918	1,950	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	128	1,854	1,879	1,664	0.384	0.399	0.393	0.382	49	740	740	635
12	14	22	151	1,781	1,806	1,837	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	2	-	-	-	-	118	1,747	1,767	1,554	0.378	0.396	0.390	0.380	44	691	689	591
12	14	23	138	1,619	1,644	1,673	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	5	13	-	-	-	-	-	104	1,581	1,596	1,392	0.370	0.390	0.385	0.377	38	617	615	524
12	14	24	133	1,562	1,582	1,606	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	-	-	-	-	-	108	1,528	1,543	1,325	0.365	0.385	0.380	0.369	39	589	587	489
12	15	1	112	1,311	1,320	1,333	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	18	8	0	-	-	-	-	78	1,260	1,278	1,052	0.367	0.388	0.382	0.373	29	489	489	393
12	15	2	106	1,232	1,233	1,240	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	2	2	-	-	-	-	-	76	1,195	1,198	959	0.365	0.389	0.383	0.372	28	464	459	357
12	15	3	102	1,179	1,174	1,175	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-	77	1,145	1,142	891	0.365	0.388	0.382	0.370	28	444	436	330
12	15	4	101	1,159	1,149	1,145	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	82	1,125	1,116	866	0.365	0.386	0.381	0.369	30	435	426	319
12	15	5	103	1,181	1,167	1,160	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-	80	1,133	1,133	879	0.365	0.384	0.379	0.365	29	435	429	321
12	15	6	111	1,273	1,254	1,244	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-	81	1,238	1,210	967	0.365	0.382	0.375	0.364	30	473	453	352
12	15	7	126	1,442	1,424	1,415	-	-	-	-	31	-	-	-	-	-	-	-	0	26	26	273	-	34	34	34	-	14	7	11	-	-	-	-	95	1,368	1,357	1,097	0.365	0.385	0.377	0.364	35	527	511	399
12	15	8	135	1,547	1,532	1,528	-	-	-	-	26	-	-	-	-	-	-	-	21	1,163	1,187	1,456	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	88	354	313	43	0.368	0.382	0.377	0.381	32	135	118	17
12	15	9	137	1,575	1,563	1,564	-	-	-	-	16	-	-	-	-	-	-	-	41	2,022	2,102	2,422	-	34	34	34	-	(3)	(1)	5	-	-	-	-	80	(478)	(572)	(896)	0.372	0.364	0.365	0.394	30	(174)	(209)	(353)
12	15	10	139	1,594	1,582	1,582	-	-	-	-	13	-	-	-	-	-	-	-	54	2,502	2,628	2,987	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	71	(937)	(1,066)	(1,420)	0.377	0.384	0.384	0.000	27	(360)	(409)	-
12	15	11	142	1,638	1,625	1,623	-	-	-	-	12	-	-	-	-	-	-	-	61	2,715	2,867	3,250	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	69	(1,093)	(1,260)	(1,644)	0.384	0.384	0.384	0.000	27	(420)	(484)	-
12	15	12	143	1,641	1,627	1,624	-	-	-	-	11	-	-	-	-	-	-	-	63	2,815	2,978	3,372	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	68	(1,191)	(1,369)	(1,765)	0.384	0.384	0.384	0.000	26	(457)	(526)	-
12	15	13	143	1,648	1,638	1,638	-	-	-	-	11	-	-	-	-	-	-	-	64	2,825	2,992	3,389	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	68	(1,194)	(1,372)	(1,768)	0.384	0.384	0.384	0.000	26	(458)	(527)	-
12	15	14	142	1,639	1,631	1,634	-	-	-	-	11	-	-	-	-	-	-	-	61	2,721	2,877	3,264	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	70	(1,099)	(1,264)	(1,648)	0.384	0.384	0.384	0.000	27	(422)	(485)	-
12	15	15	143	1,649	1,644	1,650	-	-	-	-	12	-	-	-	-	-	-	-	53	2,400	2,531	2,895	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	77	(776)	(918)	(1,265)	0.384	0.384	0.384	0.000	30	(298)	(353)	-
12	15	16	146	1,694	1,697	1,710	-	-	-	-	20	-	-	-	-	-	-	-	30	1,346	1,417	1,728	-	34	34	34	-	(1)	(0)	2	-	-	-	-	97	315	247	(54)	0.376	0.377	0.373	0.386	36	119	92	(21)
12	15	17	155	1,808	1,816	1,834	-	-	-	-	29	-	-	-	-	-	-	-	4	180	188	441	-	34	34	34	-	1	(1)	15	-	-	-	-	123	1,593	1,596	1,344	0.368	0.386	0.389	0.389	45	615	621	523
12	15	18	167	1,959	1,978	2,006	-	-	-	-	31	-	-	-	-	-	-	-	-	2	2	249	-	34	34	34	-	(4)	(2)	9	-	-	-	-	137	1,926	1,943	1,713	0.384	0.399	0.393	0.383	52	769	764	655
12	15	19	167	1,966	1,991	2,024	-	-	-	-	32	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	9	7	20	-	-	-	-	135	1,919	1,947	1,720	0.386	0.401	0.395	0.384	52	769	769	660
12	15	20	165	1,937	1,964	1,998	-	-	-	-	32	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	4	4	5	-	-	-	-	132	1,896	1,922	1,708	0.385	0.400	0.394	0.383	51	759	758	654
12	15	21	160	1,886	1,912	1,944	-	-	-	-	33	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	4	4	5	-	-	-	-	127	1,845	1,870	1,654	0.384	0.399	0.393	0.382	49	736	736	632
12	15	22	151	1,778	1,803	1,834	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	34	34	34	-	-	4	2	-	-	-	-	117	1,739	1,760	1,546	0.378	0.396	0.390	0.380	44	688	686	588
12	15	23	138	1,622	1,646	1,675	-	-	-	-	34	-	-	-	-	-	-	-	-	8	8	255	-	34	34	34	-	5	13	-	-	-	-	-	104	1,576	1,591	1,386	0.370	0.390	0.385	0.377	38	615	613	522
12	15	24	136	1,602	1,622	1,647	-	-	-	-	25	-	-	-	-	-	-	-	-	11	11	258	-	34	34	34	-	-	4	-	-	-	-	-	111	1,556	1,572	1,355	0.365	0.385	0.380	0.369	41	600	598	500
12	16	1	113	1,320	1,328	1,342	-	-	-	-	34	-	-	-	-	-	-	-	-	14	14	261	-	34	34	34	-	18	8	0	-	-	-	-	79	1,254	1,273	1,047	0.367	0.388	0.382	0.373	29	487	487	391
12	16	2	106	1,236	1,238	1,245	-	-	-	-	30	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	2	2	-	-	-	-	-	76	1,186	1,189	951	0.365	0.389	0.383	0.372	28	461	455	354
12	16	3	102	1,184	1,179	1,180	-	-	-	-	25	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	(0)	(2)	3	-	-	-	-	77	1,137	1,134	883	0.365	0.388	0.382	0.370	28	441	434	327
12	16	4	101	1,165	1,155	1,151	-	-	-	-	19	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	83	1,119	1,110	860	0.365	0.386	0.381	0.369	30	432	423	317
12	16	5	103	1,178	1,164	1,157	-	-	-	-	23	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	13	-	-	-	-	-	-	79	1,119	1,118	864	0.365	0.384	0.379	0.365	29	429	423	316
12	16	6	110	1,262	1,243	1,232	-	-	-	-	30	-	-	-	-	-	-	-	-	11	11	258	-	34	34	34	-	1	10	(4)	-	-	-	-	80	1,215	1,187	944	0.365	0.382	0.375	0.364	29	465	445	344
12	16	7	124	1,418	1,399	1,390	-	-	-	-	31	-	-	-	-	-	-	-	0	34	34	281	-	34	34	34	-	14	7	11	-	-	-	-	93	1,336	1,325	1,064	0.365	0.385	0.377	0.364	34	514	499	387
12	16	8	134	1,541	1,525	1,521	-	-	-	-	26	-	-	-	-	-	-	-	21	1,160	1,181	1,448	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	88	351	312	45	0.368	0.382	0.377	0.381	32	134	118	17
12	16	9	138	1,592	1,580	1,582	-	-	-	-	16	-	-	-	-	-	-	-	40	1,991	2,067	2,382	-	34	34	34	-	(3)	(1)	5	-	-	-	-	82	(430)	(520)	(839)	0.372	0.364	0.365	0.394	31	(156)	(190)	(331)
12	16	10	140	1,611	1,599	1,599	-	-	-	-	13	-	-	-	-	-	-	-	52	2,446	2,564	2,916	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	75	(865)	(985)	(1,331)	0.377	0.384	0.384	0.000	28	(332)	(378)	-
12	16	11	140	1,610	1,596	1,594	-	-	-	-	12	-	-	-	-	-	-	-	59	2,694	2,838	3,214	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	68	(1,100)	(1,260)	(1,638)	0.384	0.384	0.384	0.000	26	(422)	(484)	-
12	16	12	138	1,591	1,575	1,572	-	-	-	-	11	-	-	-	-	-	-	-	60	2,634	2,789	3,175	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	68	(1,060)	(1,231)	(1,621)	0.384	0.384	0.384	0.000	26	(407)	(473)	-
12	16	13	136	1,568	1,556	1,554	-	-	-	-	11	-	-	-	-	-	-	-	59	2,661	2,809	3,188	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	66	(1,110)	(1,271)	(1,651)	0.384	0.384	0.384	0.000	25	(426)	(488)	-
12	16	14	135	1,555	1,545	1,546	-	-	-	-	11	-	-	-	-	-	-	-	55	2,527	2,657	3,020	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	69	(989)	(1,130)	(1,493)	0.384	0.384	0.384	0.000	26	(380)	(434)	-
12	16	15	134	1,549	1,542	1,544	-	-	-	-	12	-	-	-	-	-	-	-	42	1,878	1,983	2,324	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	80	(354)	(473)	(800)	0.384	0.384	0.384	0.000	31	(136)	(182)	-
12	16	16	136	1,574	1,575	1,585	-	-	-	-	20	-	-	-	-	-	-	-	26	1,216	1,279	1,582	-	34	34	34	-	(1)	(0)	2	-	-	-	-	90	325	263	(34)	0.376	0.377	0.373	0.386	34	122	98	(13)
12	16	17	144	1,675	1,681	1,695	-	-	-	-	29	-	-	-	-	-	-	-	3	157	163	415	-	34	34	34	-	1	(1)	15	-	-	-	-	112	1,483	1,485	1,231	0.368	0.386	0.389	0.389	41	573	577	479
12	16	18	163	1,908	1,927	1,953	-	-	-	-	31	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	(4)	(2)	9	-	-	-	-	132	1,875	1,891	1,660	0.384	0.399	0.393	0.383	51	749	744	635
12	16	19	166	1,949	1,974	2,007	-	-	-	-	32	-	-	-	-	-	-	-	-	5	5	252	-	34	34	34	-	9	7	20	-	-	-	-	134	1,901	1,928	1,701	0.386	0.401	0.395	0.384	52	762	761	653
12	16	20	164	1,928	1,954	1,988	-	-	-	-	32	-	-	-	-	-	-	-	-	9	9	256	-	34	34	34	-	4	4	5	-	-	-	-	132	1,882	1,907	1,693	0.385	0.400	0.394	0.383	51	753	752	648
12	16	21	161	1,887	1,913	1,945	-	-	-	-	33	-	-	-	-	-	-	-	-	12	12	259	-	34	34	34	-	4	4	5	-	-	-	-	128	1,837	1,862	1,646	0.384	0.399	0.393	0.382	49	733	733	629
12	16	22	154	1,810	1,836	1,868	-	-	-	-	34	-	-	-	-	-	-	-	-	21	21	268	-	34	34	34	-	-	4	2	-	-	-	-	120	1,756	1,777	1,564	0.378	0.396	0.390	0.380	45	694	693	595
12	16	23	144	1,690	1,716	1,746	-	-	-	-	34	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	5	13	-	-	-	-	-	110	1,626	1,643	1,440	0.370	0.390	0.385	0.377	41	635	633	543
12	16	24	133	1,560	1,579	1,603	-	-	-	-	25	-	-	-	-	-	-	-	-	25	25	272	-	34	34	34	-	-	4	-	-	-	-	-	108	1,500	1,515	1,297	0.365	0.385	0.380	0.369	39	578	576	479
12	17	1	120	1,397	1,408	1,423	-	-	-	-	34	-	-	-	-	-	-	-	-	23	23	270	-	34	34	34	-	18	8	0	-	-	-	-	85	1,322	1,343	1,118	0.367	0.388	0.382	0.373	31	513	513	418
12	17	2	113	1,315	1,319	1,328	-	-	-	-	30	-	-	-	-	-	-	-	-	23	23	270	-	34	34	34	-	2	2	-	-	-	-	-	83	1,256	1,260	1,024	0.365	0.389	0.383	0.372	30	488	483	381
12	17	3	109	1,260	1,257	1,260	-	-	-	-	25	-	-	-	-	-	-	-	-	24	24	271	-	34	34	34	-	(0)	(2)	3	-	-	-	-	84	1,203	1,201	952	0.365	0.388	0.382	0.370	31	466	459	352
12	17	4	107	1,238	1,229	1,228	-	-	-	-	19	-	-	-	-	-	-	-	-	26	26	273	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	89	1,178	1,171	922	0.365	0.386	0.381	0.369	32	455	446	340
12	17	5	108	1,244	1,232	1,226	-	-	-	-	23	-	-	-	-	-	-	-	-	27	27	274	-	34	34	34	-	13	-	-	-	-	-	-	85	1,169	1,170	918	0.365	0.384	0.379	0.365	31	449	443	335
12	17	6	113	1,290	1,271	1,261	-	-	-	-	30	-	-	-	-	-	-	-	-	29	29	276	-	34	34	34	-	1	10	(4)	-	-	-	-	83	1,225	1,198	955	0.365	0.382	0.375	0.364	30	468	449	348
12	17	7	120	1,373	1,353	1,343	-	-	-	-	31	-	-	-	-	-	-	-	0	52	52	299	-	34	34	34	-	14	7	11	-	-	-	-	89	1,273	1,261	999	0.365	0.385	0.377	0.364	32	490	475	363
12	17	8	125	1,430	1,412	1,406	-	-	-	-	26	-	-	-	-	-	-	-	19	1,083	1,103	1,368	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	80	317	278	9	0.368	0.382	0.377	0.381	29	121	105	3
12	17	9	129	1,487	1,473	1,472	-	-	-	-	16	-	-	-	-	-	-	-	35	1,792	1,853	2,154	-	34	34	34	-	(3)	(1)	5	-	-	-	-	79	(336)	(413)	(721)	0.372	0.364	0.365	0.394	29	(122)	(151)	(284)
12	17	10	132	1,512	1,498	1,496	-	-	-	-	13	-	-	-	-	-	-	-	42	2,001	2,094	2,424	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	76	(518)	(616)	(943)	0.377	0.384	0.384	0.000	29	(199)	(237)	-
12	17	11	131	1,507	1,490	1,486	-	-	-	-	12	-	-	-	-	-	-	-	50	2,362	2,471	2,815	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	69	(872)	(998)	(1,347)	0.384	0.384	0.384	0.000	27	(335)	(383)	-
12	17	12	130	1,486	1,468	1,462	-	-	-	-	11	-	-	-	-	-	-	-	54	2,626	2,742	3,093	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	64	(1,158)	(1,291)	(1,648)	0.384	0.384	0.384	0.000	25	(444)	(496)	-
12	17	13	127	1,461	1,446	1,442	-	-	-	-	11	-	-	-	-	-	-	-	55	2,700	2,812	3,159	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	61	(1,256)	(1,383)	(1,734)	0.384	0.384	0.384	0.000	23	(482)	(531)	-
12	17	14	124	1,431	1,419	1,416	-	-	-	-	11	-	-	-	-	-	-	-	50	2,477	2,574	2,907	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	64	(1,063)	(1,173)	(1,509)	0.384	0.384	0.384	0.000	24	(408)	(450)	-
12	17	15	123	1,419	1,409	1,408	-	-	-	-	12	-	-	-	-	-	-	-	39	1,935	2,012	2,327	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	72	(541)	(634)	(938)	0.384	0.384	0.384	0.000	28	(208)	(244)	-
12	17	16	125	1,448	1,446	1,453	-	-	-	-	20	-	-	-	-	-	-	-	19	977	1,016	1,297	-	34	34	34	-	(1)	(0)	2	-	-	-	-	86	437	396	119	0.376	0.377	0.373	0.386	32	165	148	46
12	17	17	135	1,572	1,576	1,588	-	-	-	-	29	-	-	-	-	-	-	-	2	165	168	418	-	34	34	34	-	1	(1)	15	-	-	-	-	104	1,373	1,375	1,121	0.368	0.386	0.389	0.389	38	530	535	436
12	17	18	157	1,831	1,848	1,872	-	-	-	-	31	-	-	-	-	-	-	-	-	40	40	287	-	34	34	34	-	(4)	(2)	9	-	-	-	-	126	1,760	1,775	1,541	0.384	0.399	0.393	0.383	48	703	698	590
12	17	19	160	1,880	1,904	1,935	-	-	-	-	32	-	-	-	-	-	-	-	-	39	39	286	-	34	34	34	-	9	7	20	-	-	-	-	128	1,798	1,823	1,594	0.386	0.401	0.395	0.384	49	720	720	612
12	17	20	159	1,873	1,899	1,930	-	-	-	-	32	-	-	-	-	-	-	-	-	41	41	288	-	34	34	34	-	4	4	5	-	-	-	-	127	1,794	1,819	1,603	0.385	0.400	0.394	0.383	49	718	717	614
12	17	21	158	1,851	1,876	1,908	-	-	-	-	33	-	-	-	-	-	-	-	-	39	39	286	-	34	34	34	-	4	4	5	-	-	-	-	125	1,775	1,799	1,583	0.384	0.399	0.393	0.382	48	709	708	604
12	17	22	152	1,793	1,818	1,849	-	-	-	-	34	-	-	-	-	-	-	-	-	39	39	286	-	34	34	34	-	-	4	2	-	-	-	-	119	1,719	1,740	1,527	0.378	0.396	0.390	0.380	45	680	678	581
12	17	23	144	1,698	1,724	1,755	-	-	-	-	34	-	-	-	-	-	-	-	-	44	44	291	-	34	34	34	-	5	13	-	-	-	-	-	110	1,616	1,633	1,430	0.370	0.390	0.385	0.377	41	631	629	539
12	17	24	128	1,506	1,524	1,547	-	-	-	-	25	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	-	4	-	-	-	-	-	103	1,418	1,432	1,212	0.365	0.385	0.380	0.369	38	546	544	448
12	18	1	124	1,445	1,457	1,473	-	-	-	-	34	-	-	-	-	-	-	-	-	55	55	302	-	34	34	34	-	18	8	0	-	-	-	-	89	1,339	1,360	1,137	0.367	0.388	0.382	0.373	33	520	520	425
12	18	2	117	1,359	1,364	1,374	-	-	-	-	30	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	2	2	-	-	-	-	-	87	1,273	1,278	1,043	0.365	0.389	0.383	0.372	32	495	489	388
12	18	3	113	1,304	1,302	1,307	-	-	-	-	25	-	-	-	-	-	-	-	-	49	49	296	-	34	34	34	-	(0)	(2)	3	-	-	-	-	87	1,222	1,221	974	0.365	0.388	0.382	0.370	32	474	467	360
12	18	4	110	1,273	1,266	1,266	-	-	-	-	19	-	-	-	-	-	-	-	-	48	48	295	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	92	1,192	1,186	939	0.365	0.386	0.381	0.369	33	461	452	346
12	18	5	110	1,269	1,257	1,253	-	-	-	-	23	-	-	-	-	-	-	-	-	46	46	293	-	34	34	34	-	13	-	-	-	-	-	-	87	1,176	1,178	926	0.365	0.384	0.379	0.365	32	451	446	338
12	18	6	113	1,293	1,275	1,265	-	-	-	-	30	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	1	10	(4)	-	-	-	-	83	1,221	1,194	951	0.365	0.382	0.375	0.364	30	467	447	346
12	18	7	118	1,350	1,330	1,319	-	-	-	-	31	-	-	-	-	-	-	-	0	53	53	300	-	34	34	34	-	14	7	11	-	-	-	-	87	1,249	1,236	974	0.365	0.385	0.377	0.364	32	481	466	354
12	18	8	121	1,387	1,368	1,361	-	-	-	-	26	-	-	-	-	-	-	-	16	925	939	1,199	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	80	432	397	133	0.368	0.382	0.377	0.381	29	165	150	51
12	18	9	124	1,425	1,410	1,407	-	-	-	-	16	-	-	-	-	-	-	-	30	1,641	1,682	1,967	-	34	34	34	-	(3)	(1)	5	-	-	-	-	78	(247)	(306)	(599)	0.372	0.364	0.365	0.394	29	(90)	(112)	(236)
12	18	10	126	1,442	1,425	1,422	-	-	-	-	13	-	-	-	-	-	-	-	34	1,774	1,829	2,126	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	79	(362)	(424)	(719)	0.377	0.384	0.384	0.000	30	(139)	(163)	-
12	18	11	126	1,441	1,423	1,417	-	-	-	-	12	-	-	-	-	-	-	-	37	1,874	1,940	2,247	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	77	(450)	(535)	(847)	0.384	0.384	0.384	0.000	29	(173)	(205)	-
12	18	12	124	1,423	1,404	1,396	-	-	-	-	11	-	-	-	-	-	-	-	38	1,993	2,060	2,367	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	74	(588)	(674)	(989)	0.384	0.384	0.384	0.000	29	(226)	(259)	-
12	18	13	122	1,404	1,388	1,382	-	-	-	-	11	-	-	-	-	-	-	-	42	2,150	2,224	2,536	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	69	(764)	(854)	(1,171)	0.384	0.384	0.384	0.000	27	(293)	(328)	-
12	18	14	120	1,382	1,369	1,365	-	-	-	-	11	-	-	-	-	-	-	-	38	1,990	2,056	2,361	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(625)	(705)	(1,014)	0.384	0.384	0.384	0.000	27	(240)	(271)	-
12	18	15	120	1,376	1,365	1,363	-	-	-	-	12	-	-	-	-	-	-	-	32	1,699	1,750	2,042	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	75	(348)	(417)	(699)	0.384	0.384	0.384	0.000	29	(134)	(160)	-
12	18	16	122	1,412	1,409	1,415	-	-	-	-	20	-	-	-	-	-	-	-	21	1,101	1,136	1,415	-	34	34	34	-	(1)	(0)	2	-	-	-	-	82	278	239	(36)	0.376	0.377	0.373	0.386	31	105	89	(14)
12	18	17	133	1,545	1,548	1,559	-	-	-	-	29	-	-	-	-	-	-	-	2	189	191	440	-	34	34	34	-	1	(1)	15	-	-	-	-	102	1,322	1,324	1,071	0.368	0.386	0.389	0.389	37	511	515	417
12	18	18	156	1,821	1,838	1,862	-	-	-	-	31	-	-	-	-	-	-	-	-	63	63	310	-	34	34	34	-	(4)	(2)	9	-	-	-	-	125	1,728	1,742	1,509	0.384	0.399	0.393	0.383	48	690	685	577
12	18	19	161	1,888	1,912	1,943	-	-	-	-	32	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	9	7	20	-	-	-	-	129	1,795	1,821	1,592	0.386	0.401	0.395	0.384	50	719	719	611
12	18	20	162	1,898	1,924	1,957	-	-	-	-	32	-	-	-	-	-	-	-	-	41	41	288	-	34	34	34	-	4	4	5	-	-	-	-	129	1,820	1,845	1,629	0.385	0.400	0.394	0.383	50	728	728	624
12	18	21	160	1,879	1,905	1,937	-	-	-	-	33	-	-	-	-	-	-	-	-	43	43	290	-	34	34	34	-	4	4	5	-	-	-	-	127	1,798	1,823	1,607	0.384	0.399	0.393	0.382	49	718	717	614
12	18	22	153	1,802	1,828	1,859	-	-	-	-	34	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	-	4	2	-	-	-	-	119	1,714	1,736	1,523	0.378	0.396	0.390	0.380	45	678	677	579
12	18	23	142	1,666	1,691	1,722	-	-	-	-	34	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	5	13	-	-	-	-	-	108	1,570	1,586	1,383	0.370	0.390	0.385	0.377	40	613	611	521
12	18	24	124	1,458	1,475	1,497	-	-	-	-	25	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	-	4	-	-	-	-	-	99	1,369	1,381	1,160	0.365	0.385	0.380	0.369	36	527	525	428
12	19	1	118	1,383	1,393	1,408	-	-	-	-	34	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	18	8	0	-	-	-	-	84	1,276	1,296	1,071	0.367	0.388	0.382	0.373	31	495	496	400
12	19	2	112	1,308	1,312	1,320	-	-	-	-	30	-	-	-	-	-	-	-	-	55	55	302	-	34	34	34	-	2	2	-	-	-	-	-	82	1,216	1,221	984	0.365	0.389	0.383	0.372	30	473	467	366
12	19	3	109	1,266	1,263	1,266	-	-	-	-	25	-	-	-	-	-	-	-	-	53	53	300	-	34	34	34	-	(0)	(2)	3	-	-	-	-	84	1,179	1,178	929	0.365	0.388	0.382	0.370	31	457	450	344
12	19	4	109	1,254	1,247	1,246	-	-	-	-	19	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	90	1,165	1,158	911	0.365	0.386	0.381	0.369	33	450	442	336
12	19	5	112	1,290	1,278	1,274	-	-	-	-	23	-	-	-	-	-	-	-	-	53	53	300	-	34	34	34	-	13	-	-	-	-	-	-	89	1,189	1,191	940	0.365	0.384	0.379	0.365	32	456	451	343

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	19	6	121	1,388	1,372	1,364	-	-	-	-	30	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	1	10	(4)	-	-	-	-	91	1,294	1,269	1,029	0.365	0.382	0.375	0.364	33	495	476	375
12	19	7	135	1,552	1,536	1,531	-	-	-	-	31	-	-	-	-	-	-	-	0	66	66	313	-	34	34	34	-	14	7	11	-	-	-	-	104	1,438	1,430	1,173	0.365	0.385	0.377	0.364	38	554	539	427
12	19	8	143	1,645	1,632	1,631	-	-	-	-	26	-	-	-	-	-	-	-	15	899	914	1,175	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	102	716	687	427	0.368	0.382	0.377	0.381	38	274	259	163
12	19	9	145	1,671	1,662	1,665	-	-	-	-	16	-	-	-	-	-	-	-	31	1,580	1,635	1,932	-	34	34	34	-	(3)	(1)	5	-	-	-	-	99	60	(7)	(306)	0.372	0.364	0.365	0.394	37	22	(3)	(120)
12	19	10	146	1,679	1,669	1,671	-	-	-	-	13	-	-	-	-	-	-	-	45	2,230	2,316	2,639	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	88	(580)	(667)	(982)	0.377	0.384	0.384	0.000	33	(223)	(256)	-
12	19	11	146	1,675	1,663	1,663	-	-	-	-	12	-	-	-	-	-	-	-	52	2,501	2,613	2,960	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	81	(843)	(968)	(1,315)	0.384	0.384	0.384	0.000	31	(324)	(372)	-
12	19	12	144	1,656	1,642	1,640	-	-	-	-	11	-	-	-	-	-	-	-	55	2,643	2,764	3,120	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	77	(1,005)	(1,140)	(1,497)	0.384	0.384	0.384	0.000	30	(386)	(438)	-
12	19	13	142	1,632	1,621	1,621	-	-	-	-	11	-	-	-	-	-	-	-	53	2,501	2,621	2,974	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	77	(887)	(1,017)	(1,370)	0.384	0.384	0.384	0.000	30	(340)	(391)	-
12	19	14	140	1,613	1,605	1,607	-	-	-	-	11	-	-	-	-	-	-	-	50	2,375	2,488	2,836	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	78	(779)	(901)	(1,248)	0.384	0.384	0.384	0.000	30	(299)	(346)	-
12	19	15	138	1,599	1,594	1,598	-	-	-	-	12	-	-	-	-	-	-	-	44	2,123	2,215	2,545	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	82	(548)	(653)	(967)	0.384	0.384	0.384	0.000	32	(210)	(251)	-
12	19	16	139	1,617	1,620	1,631	-	-	-	-	20	-	-	-	-	-	-	-	26	1,283	1,333	1,625	-	34	34	34	-	(1)	(0)	2	-	-	-	-	94	301	253	(30)	0.376	0.377	0.373	0.386	35	113	94	(12)
12	19	17	147	1,709	1,715	1,731	-	-	-	-	29	-	-	-	-	-	-	-	4	233	237	488	-	34	34	34	-	1	(1)	15	-	-	-	-	114	1,441	1,445	1,194	0.368	0.386	0.389	0.389	42	557	562	464
12	19	18	168	1,964	1,983	2,011	-	-	-	-	31	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	(4)	(2)	9	-	-	-	-	137	1,883	1,901	1,671	0.384	0.399	0.393	0.383	53	752	748	639
12	19	19	173	2,027	2,054	2,089	-	-	-	-	32	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	9	7	20	-	-	-	-	140	1,928	1,957	1,732	0.386	0.401	0.395	0.384	54	773	773	665
12	19	20	172	2,019	2,048	2,083	-	-	-	-	32	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	4	4	5	-	-	-	-	139	1,931	1,959	1,747	0.385	0.400	0.394	0.383	54	773	773	669
12	19	21	168	1,977	2,005	2,039	-	-	-	-	33	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	4	4	5	-	-	-	-	135	1,889	1,917	1,703	0.384	0.399	0.393	0.382	52	754	754	651
12	19	22	160	1,880	1,907	1,941	-	-	-	-	34	-	-	-	-	-	-	-	-	55	55	302	-	34	34	34	-	-	4	2	-	-	-	-	126	1,791	1,814	1,603	0.378	0.396	0.390	0.380	48	708	707	610
12	19	23	147	1,726	1,753	1,784	-	-	-	-	34	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	5	13	-	-	-	-	-	113	1,632	1,649	1,447	0.370	0.390	0.385	0.377	42	637	635	545
12	19	24	138	1,618	1,639	1,665	-	-	-	-	25	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	-	4	-	-	-	-	-	112	1,530	1,547	1,330	0.365	0.385	0.380	0.369	41	590	588	491
12	20	1	120	1,408	1,419	1,435	-	-	-	-	34	-	-	-	-	-	-	-	-	60	60	307	-	34	34	34	-	18	8	0	-	-	-	-	86	1,296	1,317	1,093	0.367	0.388	0.382	0.373	32	503	504	408
12	20	2	114	1,324	1,327	1,337	-	-	-	-	30	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	2	2	-	-	-	-	-	84	1,231	1,236	1,000	0.365	0.389	0.383	0.372	30	479	473	372
12	20	3	110	1,274	1,272	1,275	-	-	-	-	25	-	-	-	-	-	-	-	-	53	53	300	-	34	34	34	-	(0)	(2)	3	-	-	-	-	85	1,187	1,186	938	0.365	0.388	0.382	0.370	31	460	453	347
12	20	4	109	1,263	1,255	1,254	-	-	-	-	19	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	91	1,171	1,165	917	0.365	0.386	0.381	0.369	33	452	444	338
12	20	5	112	1,285	1,273	1,269	-	-	-	-	23	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	13	-	-	-	-	-	-	88	1,179	1,181	930	0.365	0.384	0.379	0.365	32	452	447	340
12	20	6	120	1,381	1,364	1,357	-	-	-	-	30	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	1	10	(4)	-	-	-	-	90	1,284	1,259	1,019	0.365	0.382	0.375	0.364	33	491	472	371
12	20	7	133	1,532	1,516	1,510	-	-	-	-	31	-	-	-	-	-	-	-	0	70	70	317	-	34	34	34	-	14	7	11	-	-	-	-	103	1,413	1,405	1,147	0.365	0.385	0.377	0.364	37	544	529	417
12	20	8	141	1,619	1,605	1,604	-	-	-	-	26	-	-	-	-	-	-	-	7	425	437	695	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	108	1,164	1,137	880	0.368	0.382	0.377	0.381	40	445	429	336
12	20	9	142	1,640	1,630	1,633	-	-	-	-	16	-	-	-	-	-	-	-	16	794	836	1,120	-	34	34	34	-	(3)	(1)	5	-	-	-	-	111	815	760	473	0.372	0.364	0.365	0.394	41	297	278	186
12	20	10	143	1,642	1,631	1,633	-	-	-	-	13	-	-	-	-	-	-	-	28	1,341	1,415	1,728	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	101	272	196	(111)	0.377	0.384	0.384	0.000	38	105	75	-
12	20	11	142	1,639	1,626	1,625	-	-	-	-	12	-	-	-	-	-	-	-	34	1,551	1,643	1,972	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	96	72	(34)	(365)	0.384	0.384	0.384	0.000	37	28	(13)	-
12	20	12	141	1,627	1,613	1,610	-	-	-	-	11	-	-	-	-	-	-	-	40	1,961	2,050	2,377	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	90	(351)	(455)	(785)	0.384	0.384	0.384	0.000	35	(135)	(175)	-
12	20	13	140	1,611	1,600	1,600	-	-	-	-	11	-	-	-	-	-	-	-	42	2,025	2,119	2,451	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	87	(430)	(537)	(868)	0.384	0.384	0.384	0.000	33	(165)	(206)	-
12	20	14	140	1,613	1,605	1,607	-	-	-	-	11	-	-	-	-	-	-	-	37	1,788	1,877	2,205	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	91	(192)	(291)	(616)	0.384	0.384	0.384	0.000	35	(74)	(112)	-
12	20	15	139	1,612	1,607	1,612	-	-	-	-	12	-	-	-	-	-	-	-	28	1,299	1,377	1,694	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	99	289	198	(102)	0.384	0.384	0.384	0.000	38	111	76	-
12	20	16	141	1,641	1,644	1,656	-	-	-	-	20	-	-	-	-	-	-	-	17	813	864	1,156	-	34	34	34	-	(1)	(0)	2	-	-	-	-	105	795	746	463	0.376	0.377	0.373	0.386	39	299	279	179
12	20	17	149	1,732	1,740	1,756	-	-	-	-	29	-	-	-	-	-	-	-	2	181	187	438	-	34	34	34	-	1	(1)	15	-	-	-	-	118	1,517	1,520	1,268	0.368	0.386	0.389	0.389	43	586	591	493
12	20	18	166	1,948	1,967	1,995	-	-	-	-	31	-	-	-	-	-	-	-	-	84	84	331	-	34	34	34	-	(4)	(2)	9	-	-	-	-	136	1,834	1,851	1,621	0.384	0.399	0.393	0.383	52	732	728	620
12	20	19	168	1,974	2,000	2,034	-	-	-	-	32	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	9	7	20	-	-	-	-	136	1,877	1,905	1,678	0.386	0.401	0.395	0.384	52	752	752	644
12	20	20	165	1,941	1,968	2,002	-	-	-	-	32	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	4	4	5	-	-	-	-	133	1,849	1,875	1,661	0.385	0.400	0.394	0.383	51	740	740	636
12	20	21	160	1,881	1,907	1,939	-	-	-	-	33	-	-	-	-	-	-	-	-	57	57	304	-	34	34	34	-	4	4	5	-	-	-	-	127	1,787	1,812	1,596	0.384	0.399	0.393	0.382	49	713	713	609
12	20	22	151	1,776	1,801	1,832	-	-	-	-	34	-	-	-	-	-	-	-	-	81	81	328	-	34	34	34	-	-	4	2	-	-	-	-	117	1,661	1,682	1,468	0.378	0.396	0.390	0.380	44	657	656	559
12	20	23	138	1,622	1,646	1,675	-	-	-	-	34	-	-	-	-	-	-	-	-	103	103	350	-	34	34	34	-	5	13	-	-	-	-	-	104	1,481	1,496	1,292	0.370	0.390	0.385	0.377	38	578	576	487
12	20	24	133	1,563	1,583	1,607	-	-	-	-	25	-	-	-	-	-	-	-	-	86	86	333	-	34	34	34	-	-	4	-	-	-	-	-	108	1,443	1,458	1,240	0.365	0.385	0.380	0.369	39	556	554	458
12	21	1	113	1,316	1,325	1,338	-	-	-	-	34	-	-	-	-	-	-	-	-	71	71	318	-	34	34	34	-	18	8	0	-	-	-	-	78	1,194	1,212	986	0.367	0.388	0.382	0.373	29	463	464	368
12	21	2	106	1,234	1,236	1,243	-	-	-	-	30	-	-	-	-	-	-	-	-	60	60	307	-	34	34	34	-	2	2	-	-	-	-	-	76	1,137	1,140	902	0.365	0.389	0.383	0.372	28	442	437	335
12	21	3	102	1,181	1,176	1,177	-	-	-	-	25	-	-	-	-	-	-	-	-	60	60	307	-	34	34	34	-	(0)	(2)	3	-	-	-	-	77	1,087	1,084	833	0.365	0.388	0.382	0.370	28	421	414	308
12	21	4	100	1,156	1,146	1,143	-	-	-	-	19	-	-	-	-	-	-	-	-	48	48	295	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	82	1,075	1,066	816	0.365	0.386	0.381	0.369	30	415	406	301
12	21	5	102	1,176	1,162	1,155	-	-	-	-	23	-	-	-	-	-	-	-	-	46	46	293	-	34	34	34	-	13	-	-	-	-	-	-	79	1,082	1,082	828	0.365	0.384	0.379	0.365	29	415	410	302
12	21	6	110	1,259	1,240	1,229	-	-	-	-	30	-	-	-	-	-	-	-	-	44	44	291	-	34	34	34	-	1	10	(4)	-	-	-	-	80	1,179	1,151	908	0.365	0.382	0.375	0.364	29	451	431	330
12	21	7	122	1,395	1,376	1,367	-	-	-	-	31	-	-	-	-	-	-	-	0	63	63	310	-	34	34	34	-	14	7	11	-	-	-	-	91	1,284	1,272	1,011	0.365	0.385	0.377	0.364	33	494	479	368
12	21	8	131	1,507	1,491	1,486	-	-	-	-	26	-	-	-	-	-	-	-	20	1,161	1,182	1,448	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	85	316	277	9	0.368	0.382	0.377	0.381	31	121	104	4
12	21	9	137	1,580	1,569	1,570	-	-	-	-	16	-	-	-	-	-	-	-	40	2,004	2,079	2,394	-	34	34	34	-	(3)	(1)	5	-	-	-	-	82	(455)	(544)	(862)	0.372	0.364	0.365	0.394	30	(165)	(199)	(340)
12	21	10	142	1,631	1,620	1,621	-	-	-	-	13	-	-	-	-	-	-	-	52	2,476	2,595	2,949	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	77	(874)	(995)	(1,343)	0.377	0.384	0.384	0.000	29	(336)	(382)	-
12	21	11	145	1,664	1,652	1,652	-	-	-	-	12	-	-	-	-	-	-	-	60	2,750	2,904	3,288	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	72	(1,102)	(1,270)	(1,654)	0.384	0.384	0.384	0.000	28	(423)	(487)	-
12	21	12	146	1,681	1,668	1,666	-	-	-	-	11	-	-	-	-	-	-	-	64	2,912	3,078	3,474	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(1,248)	(1,428)	(1,826)	0.384	0.384	0.384	0.000	27	(479)	(548)	-
12	21	13	146	1,690	1,681	1,683	-	-	-	-	11	-	-	-	-	-	-	-	64	2,901	3,069	3,466	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	71	(1,228)	(1,405)	(1,800)	0.384	0.384	0.384	0.000	27	(472)	(540)	-
12	21	14	146	1,684	1,678	1,682	-	-	-	-	11	-	-	-	-	-	-	-	61	2,748	2,905	3,292	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	74	(1,080)	(1,245)	(1,628)	0.384	0.384	0.384	0.000	28	(415)	(478)	-
12	21	15	145	1,683	1,679	1,685	-	-	-	-	12	-	-	-	-	-	-	-	52	2,431	2,561	2,924	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	81	(773)	(914)	(1,259)	0.384	0.384	0.384	0.000	31	(297)	(351)	-
12	21	16	146	1,695	1,699	1,712	-	-	-	-	20	-	-	-	-	-	-	-	31	1,500	1,573	1,885	-	34	34	34	-	(1)	(0)	2	-	-	-	-	95	162	93	(209)	0.376	0.377	0.373	0.386	36	61	35	(81)
12	21	17	152	1,766	1,774	1,791	-	-	-	-	29	-	-	-	-	-	-	-	5	302	310	565	-	34	34	34	-	1	(1)	15	-	-	-	-	118	1,430	1,431	1,177	0.368	0.386	0.389	0.389	43	552	556	458
12	21	18	168	1,962	1,982	2,010	-	-	-	-	31	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	(4)	(2)	9	-	-	-	-	137	1,874	1,891	1,661	0.384	0.399	0.393	0.383	53	748	744	636
12	21	19	169	1,990	2,016	2,050	-	-	-	-	32	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	9	7	20	-	-	-	-	137	1,893	1,921	1,695	0.386	0.401	0.395	0.384	53	758	758	650
12	21	20	166	1,956	1,983	2,017	-	-	-	-	32	-	-	-	-	-	-	-	-	54	54	301	-	34	34	34	-	4	4	5	-	-	-	-	134	1,864	1,891	1,676	0.385	0.400	0.394	0.383	52	746	746	642
12	21	21	162	1,905	1,931	1,964	-	-	-	-	33	-	-	-	-	-	-	-	-	53	53	300	-	34	34	34	-	4	4	5	-	-	-	-	129	1,814	1,840	1,624	0.384	0.399	0.393	0.382	50	724	724	620
12	21	22	154	1,807	1,833	1,864	-	-	-	-	34	-	-	-	-	-	-	-	-	49	49	296	-	34	34	34	-	-	4	2	-	-	-	-	120	1,724	1,746	1,533	0.378	0.396	0.390	0.380	45	682	680	583
12	21	23	141	1,658	1,683	1,713	-	-	-	-	34	-	-	-	-	-	-	-	-	38	38	285	-	34	34	34	-	5	13	-	-	-	-	-	107	1,581	1,597	1,393	0.370	0.390	0.385	0.377	40	617	615	525
12	21	24	140	1,646	1,667	1,694	-	-	-	-	25	-	-	-	-	-	-	-	-	29	29	276	-	34	34	34	-	-	4	-	-	-	-	-	115	1,582	1,600	1,383	0.365	0.385	0.380	0.369	42	610	608	511
12	22	1	116	1,351	1,360	1,374	-	-	-	-	34	-	-	-	-	-	-	-	-	23	23	270	-	34	34	34	-	18	8	0	-	-	-	-	81	1,276	1,295	1,070	0.367	0.388	0.382	0.373	30	495	495	400
12	22	2	108	1,260	1,263	1,270	-	-	-	-	30	-	-	-	-	-	-	-	-	17	17	264	-	34	34	34	-	2	2	-	-	-	-	-	78	1,207	1,210	972	0.365	0.389	0.383	0.372	29	469	463	362
12	22	3	104	1,203	1,198	1,200	-	-	-	-	25	-	-	-	-	-	-	-	-	16	16	263	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,153	1,150	900	0.365	0.388	0.382	0.370	29	447	440	333
12	22	4	102	1,179	1,170	1,167	-	-	-	-	19	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	84	1,133	1,125	875	0.365	0.386	0.381	0.369	31	438	429	322
12	22	5	104	1,196	1,183	1,176	-	-	-	-	23	-	-	-	-	-	-	-	-	9	9	256	-	34	34	34	-	13	-	-	-	-	-	-	81	1,140	1,140	886	0.365	0.384	0.379	0.365	30	437	432	324
12	22	6	111	1,274	1,255	1,245	-	-	-	-	30	-	-	-	-	-	-	-	-	11	11	258	-	34	34	34	-	1	10	(4)	-	-	-	-	81	1,228	1,200	958	0.365	0.382	0.375	0.364	30	469	450	348
12	22	7	123	1,405	1,386	1,376	-	-	-	-	31	-	-	-	-	-	-	-	0	22	22	269	-	34	34	34	-	14	7	11	-	-	-	-	92	1,334	1,323	1,062	0.365	0.385	0.377	0.364	33	514	498	386
12	22	8	132	1,520	1,503	1,499	-	-	-	-	26	-	-	-	-	-	-	-	20	1,084	1,105	1,371	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	87	405	367	100	0.368	0.382	0.377	0.381	32	155	138	38
12	22	9	140	1,611	1,600	1,602	-	-	-	-	16	-	-	-	-	-	-	-	40	1,972	2,050	2,367	-	34	34	34	-	(3)	(1)	5	-	-	-	-	84	(392)	(483)	(804)	0.372	0.364	0.365	0.394	31	(143)	(176)	(316)
12	22	10	145	1,672	1,661	1,663	-	-	-	-	13	-	-	-	-	-	-	-	53	2,463	2,582	2,935	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	79	(820)	(940)	(1,286)	0.377	0.384	0.384	0.000	30	(315)	(361)	-
12	22	11	146	1,677	1,665	1,665	-	-	-	-	12	-	-	-	-	-	-	-	60	2,728	2,870	3,243	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	74	(1,067)	(1,222)	(1,596)	0.384	0.384	0.384	0.000	28	(410)	(469)	-
12	22	12	144	1,654	1,640	1,638	-	-	-	-	11	-	-	-	-	-	-	-	61	2,779	2,931	3,314	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	71	(1,142)	(1,309)	(1,694)	0.384	0.384	0.384	0.000	27	(439)	(502)	-
12	22	13	140	1,615	1,604	1,603	-	-	-	-	11	-	-	-	-	-	-	-	61	2,778	2,929	3,311	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	67	(1,180)	(1,343)	(1,725)	0.384	0.384	0.384	0.000	26	(453)	(516)	-
12	22	14	138	1,596	1,587	1,588	-	-	-	-	11	-	-	-	-	-	-	-	58	2,642	2,782	3,155	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	69	(1,064)	(1,213)	(1,584)	0.384	0.384	0.384	0.000	27	(408)	(466)	-
12	22	15	137	1,586	1,580	1,583	-	-	-	-	12	-	-	-	-	-	-	-	49	2,225	2,344	2,698	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	76	(664)	(796)	(1,135)	0.384	0.384	0.384	0.000	29	(255)	(306)	-
12	22	16	137	1,596	1,597	1,608	-	-	-	-	20	-	-	-	-	-	-	-	31	1,483	1,547	1,853	-	34	34	34	-	(1)	(0)	2	-	-	-	-	87	80	16	(281)	0.376	0.377	0.373	0.386	33	30	6	(109)
12	22	17	143	1,665	1,671	1,685	-	-	-	-	29	-	-	-	-	-	-	-	5	245	252	505	-	34	34	34	-	1	(1)	15	-	-	-	-	110	1,385	1,386	1,131	0.368	0.386	0.389	0.389	40	535	539	440
12	22	18	162	1,892	1,909	1,935	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-	131	1,861	1,877	1,645	0.384	0.399	0.393	0.383	50	743	738	629
12	22	19	165	1,932	1,957	1,989	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	9	7	20	-	-	-	-	133	1,889	1,916	1,688	0.386	0.401	0.395	0.384	51	757	756	648
12	22	20	162	1,909	1,935	1,967	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	130	1,871	1,896	1,681	0.385	0.400	0.394	0.383	50	749	748	644
12	22	21	160	1,875	1,901	1,932	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	127	1,837	1,862	1,646	0.384	0.399	0.393	0.382	49	733	733	629
12	22	22	152	1,786	1,812	1,843	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	2	-	-	-	-	118	1,752	1,773	1,560	0.378	0.396	0.390	0.380	45	693	691	593
12	22	23	140	1,652	1,677	1,706	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	5	13	-	-	-	-	-	106	1,613	1,629	1,425	0.370	0.390	0.385	0.377	39	630	627	537
12	22	24	134	1,579	1,599	1,624	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	-	-	-	-	-	109	1,545	1,560	1,343	0.365	0.385	0.380	0.369	40	595	593	496
12	23	1	116	1,351	1,360	1,374	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	18	8	0	-	-	-	-	81	1,299	1,318	1,093	0.367	0.388	0.382	0.373	30	504	504	408
12	23	2	108	1,257	1,259	1,266	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	2	2	-	-	-	-	-	78	1,220	1,223	985	0.365	0.389	0.383	0.372	28	474	468	367
12	23	3	104	1,200	1,196	1,197	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,167	1,164	913	0.365	0.388	0.382	0.370	29	452	445	338
12	23	4	102	1,169	1,160	1,156	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	83	1,136	1,127	877	0.365	0.386	0.381	0.369	30	439	430	323
12	23	5	102	1,176	1,162	1,155	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-	79	1,128	1,128	874	0.365	0.384	0.379	0.365	29	433	427	319
12	23	6	108	1,239	1,220	1,208	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-	78	1,204	1,176	932	0.365	0.382	0.375	0.364	29	460	441	339
12	23	7	117	1,341	1,321	1,310	-	-	-	-	31	-	-	-	-	-	-	-	0	2	2	249	-	34	34	34	-	14	7	11	-	-	-	-	87	1,291	1,278	1,015	0.365	0.385	0.377	0.364	32	497	482	369
12	23	8	125	1,432	1,414	1,407	-	-	-	-	26	-	-	-	-	-	-	-	5	242	250	503	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	95	1,160	1,133	875	0.368	0.382	0.377	0.381	35	443	427	334
12	23	9	133	1,525	1,512	1,512	-	-	-	-	16	-	-	-	-	-	-	-	32	1,548	1,611	1,914	-	34	34	34	-	(3)	(1)	5	-	-	-	-	85	(54)	(133)	(442)	0.372	0.364	0.365	0.394	32	(20)	(48)	(174)
12	23	10	138	1,589	1,576	1,577	-	-	-	-	13	-	-	-	-	-	-	-	50	2,315	2,432	2,784	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	75	(754)	(875)	(1,222)	0.377	0.384	0.384	0.000	28	(290)	(336)	-
12	23	11	138	1,591	1,577	1,574	-	-	-	-	12	-	-	-	-	-	-	-	58	2,637	2,781	3,158	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	68	(1,063)	(1,223)	(1,601)	0.384	0.384	0.384	0.000	26	(408)	(469)	-
12	23	12	137	1,579	1,563	1,559	-	-	-	-	11	-	-	-	-	-	-	-	62	2,755	2,915	3,306	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	64	(1,193)	(1,370)	(1,765)	0.384	0.384	0.384	0.000	25	(458)	(526)	-
12	23	13	136	1,570	1,558	1,557	-	-	-	-	11	-	-	-	-	-	-	-	64	2,818	2,983	3,377	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	62	(1,264)	(1,442)	(1,838)	0.384	0.384	0.384	0.000	24	(486)	(554)	-
12	23	14	137	1,581	1,572	1,573	-	-	-	-	11	-	-	-	-	-	-	-	60	2,646	2,801	3,188	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	66	(1,081)	(1,247)	(1,632)	0.384	0.384	0.384	0.000	25	(415)	(479)	-
12	23	15	137	1,585	1,578	1,582	-	-	-	-	12	-	-	-	-	-	-	-	52	2,320	2,448	2,811	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	73	(760)	(902)	(1,249)	0.384	0.384	0.384	0.000	28	(292)	(346)	-
12	23	16	140	1,625	1,628	1,639	-	-	-	-	20	-	-	-	-	-	-	-	31	1,424	1,496	1,807	-	34	34	34	-	(1)	(0)	2	-	-	-	-	90	169	98	(205)	0.376	0.377	0.373	0.386	34	64	37	(79)

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)				Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)				Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	23	17	148	1,725	1,732	1,747	-	-	-	-	29	-	-	-	-	-	-	-	5	252	261	516	-	34	34	34	-	1	(1)	15	-	-	-	-	114	1,439	1,438	1,183	0.368	0.386	0.389	0.389	42	556	559	460
12	23	18	162	1,893	1,911	1,936	-	-	-	-	31	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	(4)	(2)	9	-	-	-	-	131	1,858	1,874	1,642	0.384	0.399	0.393	0.383	50	742	737	628
12	23	19	163	1,913	1,937	1,969	-	-	-	-	32	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	9	7	20	-	-	-	-	131	1,866	1,892	1,664	0.386	0.401	0.395	0.384	50	748	747	638
12	23	20	160	1,880	1,905	1,937	-	-	-	-	32	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	4	4	5	-	-	-	-	128	1,838	1,863	1,647	0.385	0.400	0.394	0.383	49	735	735	631
12	23	21	156	1,835	1,860	1,891	-	-	-	-	33	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	4	4	5	-	-	-	-	123	1,793	1,817	1,600	0.384	0.399	0.393	0.382	47	716	715	611
12	23	22	150	1,763	1,787	1,817	-	-	-	-	34	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	-	4	2	-	-	-	-	116	1,724	1,744	1,530	0.378	0.396	0.390	0.380	44	682	680	582
12	23	23	140	1,646	1,670	1,700	-	-	-	-	34	-	-	-	-	-	-	-	-	4	4	251	-	34	34	34	-	5	13	-	-	-	-	-	106	1,603	1,619	1,415	0.370	0.390	0.385	0.377	39	626	623	533
12	23	24	133	1,558	1,578	1,602	-	-	-	-	25	-	-	-	-	-	-	-	-	2	2	249	-	34	34	34	-	-	4	-	-	-	-	-	107	1,522	1,537	1,319	0.365	0.385	0.380	0.369	39	586	584	487
12	24	1	116	1,360	1,370	1,384	-	-	-	-	34	-	-	-	-	-	-	-	-	0	0	247	-	34	34	34	-	18	8	0	-	-	-	-	82	1,308	1,328	1,103	0.367	0.388	0.382	0.373	30	508	508	412
12	24	2	109	1,266	1,269	1,276	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	2	2	-	-	-	-	-	79	1,230	1,233	995	0.365	0.389	0.383	0.372	29	478	472	370
12	24	3	104	1,204	1,199	1,201	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,170	1,167	917	0.365	0.388	0.382	0.370	29	454	446	339
12	24	4	102	1,171	1,161	1,158	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	83	1,137	1,129	878	0.365	0.386	0.381	0.369	30	439	430	324
12	24	5	101	1,162	1,147	1,139	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	13	-	-	-	-	-	-	78	1,114	1,113	858	0.365	0.384	0.379	0.365	28	427	422	314
12	24	6	104	1,184	1,164	1,151	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	1	10	(4)	-	-	-	-	74	1,149	1,119	874	0.365	0.382	0.375	0.364	27	439	419	318
12	24	7	109	1,239	1,215	1,202	-	-	-	-	31	-	-	-	-	-	-	-	0	11	11	258	-	34	34	34	-	14	7	11	-	-	-	-	78	1,179	1,164	898	0.365	0.385	0.377	0.364	28	454	438	327
12	24	8	113	1,294	1,272	1,262	-	-	-	-	26	-	-	-	-	-	-	-	19	1,074	1,095	1,361	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	68	189	145	(128)	0.368	0.382	0.377	0.381	25	72	55	(49)
12	24	9	119	1,357	1,340	1,336	-	-	-	-	16	-	-	-	-	-	-	-	38	1,910	1,981	2,292	-	34	34	34	-	(3)	(1)	5	-	-	-	-	65	(583)	(674)	(995)	0.372	0.364	0.365	0.394	24	(212)	(246)	(392)
12	24	10	122	1,399	1,382	1,377	-	-	-	-	13	-	-	-	-	-	-	-	51	2,393	2,507	2,855	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	58	(1,023)	(1,145)	(1,493)	0.377	0.384	0.384	0.000	22	(393)	(440)	-
12	24	11	124	1,420	1,402	1,395	-	-	-	-	12	-	-	-	-	-	-	-	58	2,690	2,831	3,204	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	53	(1,287)	(1,447)	(1,827)	0.384	0.384	0.384	0.000	20	(494)	(556)	-
12	24	12	125	1,427	1,408	1,400	-	-	-	-	11	-	-	-	-	-	-	-	61	2,803	2,956	3,340	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	52	(1,393)	(1,565)	(1,957)	0.384	0.384	0.384	0.000	20	(535)	(601)	-
12	24	13	124	1,423	1,408	1,403	-	-	-	-	11	-	-	-	-	-	-	-	62	2,837	2,993	3,381	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	50	(1,430)	(1,603)	(1,995)	0.384	0.384	0.384	0.000	19	(549)	(616)	-
12	24	14	124	1,420	1,407	1,404	-	-	-	-	11	-	-	-	-	-	-	-	59	2,690	2,839	3,220	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	53	(1,287)	(1,450)	(1,834)	0.384	0.384	0.384	0.000	20	(494)	(557)	-
12	24	15	123	1,422	1,412	1,411	-	-	-	-	12	-	-	-	-	-	-	-	52	2,399	2,525	2,886	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	59	(1,001)	(1,145)	(1,494)	0.384	0.384	0.384	0.000	23	(384)	(440)	-
12	24	16	126	1,456	1,454	1,461	-	-	-	-	20	-	-	-	-	-	-	-	33	1,583	1,657	1,970	-	34	34	34	-	(1)	(0)	2	-	-	-	-	73	(161)	(237)	(545)	0.376	0.377	0.373	0.386	28	(61)	(88)	(210)
12	24	17	134	1,561	1,564	1,576	-	-	-	-	29	-	-	-	-	-	-	-	6	355	365	621	-	34	34	34	-	1	(1)	15	-	-	-	-	100	1,172	1,166	906	0.368	0.386	0.389	0.389	37	452	453	352
12	24	18	153	1,792	1,808	1,831	-	-	-	-	31	-	-	-	-	-	-	-	-	64	64	311	-	34	34	34	-	(4)	(2)	9	-	-	-	-	123	1,698	1,712	1,477	0.384	0.399	0.393	0.383	47	678	673	565
12	24	19	155	1,816	1,838	1,867	-	-	-	-	32	-	-	-	-	-	-	-	-	68	68	315	-	34	34	34	-	9	7	20	-	-	-	-	123	1,705	1,728	1,498	0.386	0.401	0.395	0.384	47	683	682	575
12	24	20	152	1,787	1,810	1,839	-	-	-	-	32	-	-	-	-	-	-	-	-	65	65	312	-	34	34	34	-	4	4	5	-	-	-	-	120	1,684	1,706	1,488	0.385	0.400	0.394	0.383	46	674	673	570
12	24	21	150	1,756	1,779	1,808	-	-	-	-	33	-	-	-	-	-	-	-	-	68	68	315	-	34	34	34	-	4	4	5	-	-	-	-	117	1,651	1,673	1,453	0.384	0.399	0.393	0.382	45	659	658	555
12	24	22	146	1,715	1,738	1,767	-	-	-	-	34	-	-	-	-	-	-	-	-	69	69	316	-	34	34	34	-	-	4	2	-	-	-	-	112	1,611	1,630	1,415	0.378	0.396	0.390	0.380	42	637	636	538
12	24	23	140	1,646	1,670	1,700	-	-	-	-	34	-	-	-	-	-	-	-	-	61	61	308	-	34	34	34	-	5	13	-	-	-	-	-	106	1,546	1,562	1,358	0.370	0.390	0.385	0.377	39	604	601	512
12	24	24	126	1,476	1,493	1,516	-	-	-	-	25	-	-	-	-	-	-	-	-	51	51	298	-	34	34	34	-	-	4	-	-	-	-	-	101	1,390	1,403	1,183	0.365	0.385	0.380	0.369	37	536	533	437
12	25	1	123	1,438	1,449	1,466	-	-	-	-	34	-	-	-	-	-	-	-	-	38	38	285	-	34	34	34	-	18	8	0	-	-	-	-	89	1,349	1,370	1,147	0.367	0.388	0.382	0.373	33	524	524	428
12	25	2	116	1,356	1,360	1,370	-	-	-	-	30	-	-	-	-	-	-	-	-	50	50	297	-	34	34	34	-	2	2	-	-	-	-	-	86	1,269	1,274	1,039	0.365	0.389	0.383	0.372	31	493	488	387
12	25	3	112	1,298	1,296	1,300	-	-	-	-	25	-	-	-	-	-	-	-	-	58	58	305	-	34	34	34	-	(0)	(2)	3	-	-	-	-	87	1,206	1,206	958	0.365	0.388	0.382	0.370	32	468	461	354
12	25	4	109	1,263	1,255	1,254	-	-	-	-	19	-	-	-	-	-	-	-	-	43	43	290	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	91	1,186	1,180	932	0.365	0.386	0.381	0.369	33	458	450	344
12	25	5	109	1,252	1,240	1,235	-	-	-	-	23	-	-	-	-	-	-	-	-	42	42	289	-	34	34	34	-	13	-	-	-	-	-	-	86	1,163	1,164	912	0.365	0.384	0.379	0.365	31	446	441	333
12	25	6	111	1,270	1,251	1,241	-	-	-	-	30	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	1	10	(4)	-	-	-	-	81	1,198	1,171	928	0.365	0.382	0.375	0.364	30	458	439	337
12	25	7	115	1,319	1,297	1,286	-	-	-	-	31	-	-	-	-	-	-	-	0	56	56	303	-	34	34	34	-	14	7	11	-	-	-	-	85	1,214	1,201	937	0.365	0.385	0.377	0.364	31	468	452	341
12	25	8	119	1,364	1,344	1,335	-	-	-	-	26	-	-	-	-	-	-	-	19	1,118	1,138	1,403	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	74	216	175	(96)	0.368	0.382	0.377	0.381	27	83	66	(37)
12	25	9	122	1,392	1,376	1,372	-	-	-	-	16	-	-	-	-	-	-	-	40	2,002	2,079	2,395	-	34	34	34	-	(3)	(1)	5	-	-	-	-	66	(640)	(737)	(1,062)	0.372	0.364	0.365	0.394	24	(233)	(269)	(418)
12	25	10	123	1,409	1,391	1,387	-	-	-	-	13	-	-	-	-	-	-	-	53	2,456	2,579	2,937	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	57	(1,077)	(1,208)	(1,565)	0.377	0.384	0.384	0.000	22	(413)	(464)	-
12	25	11	123	1,403	1,384	1,377	-	-	-	-	12	-	-	-	-	-	-	-	60	2,718	2,870	3,252	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	50	(1,332)	(1,503)	(1,893)	0.384	0.384	0.384	0.000	19	(511)	(577)	-
12	25	12	121	1,380	1,360	1,351	-	-	-	-	11	-	-	-	-	-	-	-	64	2,840	3,009	3,407	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	46	(1,477)	(1,667)	(2,074)	0.384	0.384	0.384	0.000	18	(567)	(640)	-
12	25	13	119	1,363	1,346	1,339	-	-	-	-	11	-	-	-	-	-	-	-	64	2,864	3,033	3,431	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	43	(1,517)	(1,704)	(2,108)	0.384	0.384	0.384	0.000	17	(583)	(654)	-
12	25	14	117	1,347	1,332	1,327	-	-	-	-	11	-	-	-	-	-	-	-	61	2,741	2,901	3,291	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	45	(1,411)	(1,587)	(1,982)	0.384	0.384	0.384	0.000	17	(542)	(609)	-
12	25	15	117	1,348	1,336	1,333	-	-	-	-	12	-	-	-	-	-	-	-	53	2,383	2,515	2,880	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	52	(1,060)	(1,211)	(1,567)	0.384	0.384	0.384	0.000	20	(407)	(465)	-
12	25	16	120	1,383	1,379	1,384	-	-	-	-	20	-	-	-	-	-	-	-	33	1,512	1,588	1,904	-	34	34	34	-	(1)	(0)	2	-	-	-	-	67	(163)	(243)	(556)	0.376	0.377	0.373	0.386	25	(61)	(91)	(215)
12	25	17	128	1,485	1,486	1,495	-	-	-	-	29	-	-	-	-	-	-	-	6	287	298	554	-	34	34	34	-	1	(1)	15	-	-	-	-	93	1,163	1,155	892	0.368	0.386	0.389	0.389	34	449	449	347
12	25	18	146	1,703	1,716	1,737	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-	115	1,672	1,683	1,446	0.384	0.399	0.393	0.383	44	668	662	553
12	25	19	149	1,753	1,773	1,801	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	9	7	20	-	-	-	-	117	1,710	1,732	1,499	0.386	0.401	0.395	0.384	45	685	684	575
12	25	20	150	1,756	1,778	1,806	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	117	1,718	1,739	1,520	0.385	0.400	0.394	0.383	45	687	686	582
12	25	21	149	1,748	1,771	1,799	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	4	4	5	-	-	-	-	116	1,710	1,732	1,513	0.384	0.399	0.393	0.382	44	683	682	578
12	25	22	145	1,709	1,732	1,761	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	-	4	2	-	-	-	-	112	1,675	1,693	1,478	0.378	0.396	0.390	0.380	42	662	660	562
12	25	23	138	1,619	1,643	1,672	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	5	13	-	-	-	-	-	104	1,581	1,596	1,391	0.370	0.390	0.385	0.377	38	617	614	524
12	25	24	122	1,428	1,444	1,465	-	-	-	-	25	-	-	-	-	-	-	-	-	0	0	247	-	34	34	34	-	-	4	-	-	-	-	-	96	1,394	1,406	1,184	0.365	0.385	0.380	0.369	35	537	534	437
12	26	1	117	1,369	1,378	1,393	-	-	-	-	34	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	18	8	0	-	-	-	-	83	1,314	1,334	1,109	0.367	0.388	0.382	0.373	30	510	510	414
12	26	2	110	1,285	1,288	1,296	-	-	-	-	30	-	-	-	-	-	-	-	-	9	9	256	-	34	34	34	-	2	2	-	-	-	-	-	80	1,239	1,243	1,006	0.365	0.389	0.383	0.372	29	482	476	374
12	26	3	106	1,231	1,228	1,230	-	-	-	-	25	-	-	-	-	-	-	-	-	23	23	270	-	34	34	34	-	(0)	(2)	3	-	-	-	-	81	1,174	1,172	922	0.365	0.388	0.382	0.370	30	455	448	341
12	26	4	104	1,204	1,195	1,193	-	-	-	-	19	-	-	-	-	-	-	-	-	37	37	284	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	86	1,134	1,126	877	0.365	0.386	0.381	0.369	31	438	429	323
12	26	5	105	1,209	1,196	1,190	-	-	-	-	23	-	-	-	-	-	-	-	-	51	51	298	-	34	34	34	-	13	-	-	-	-	-	-	82	1,111	1,111	857	0.365	0.384	0.379	0.365	30	426	421	313
12	26	6	109	1,247	1,227	1,216	-	-	-	-	30	-	-	-	-	-	-	-	-	56	56	303	-	34	34	34	-	1	10	(4)	-	-	-	-	79	1,155	1,127	883	0.365	0.382	0.375	0.364	29	441	422	321
12	26	7	114	1,308	1,287	1,275	-	-	-	-	31	-	-	-	-	-	-	-	0	70	70	317	-	34	34	34	-	14	7	11	-	-	-	-	84	1,189	1,176	912	0.365	0.385	0.377	0.364	31	458	443	332
12	26	8	119	1,361	1,341	1,332	-	-	-	-	26	-	-	-	-	-	-	-	19	1,101	1,120	1,385	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	75	230	189	(81)	0.368	0.382	0.377	0.381	27	88	71	(31)
12	26	9	125	1,439	1,424	1,422	-	-	-	-	16	-	-	-	-	-	-	-	39	1,972	2,048	2,363	-	34	34	34	-	(3)	(1)	5	-	-	-	-	71	(564)	(657)	(981)	0.372	0.364	0.365	0.394	26	(205)	(240)	(386)
12	26	10	130	1,491	1,476	1,474	-	-	-	-	13	-	-	-	-	-	-	-	52	2,483	2,603	2,958	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	64	(1,021)	(1,147)	(1,498)	0.377	0.384	0.384	0.000	24	(392)	(440)	-
12	26	11	131	1,504	1,488	1,483	-	-	-	-	12	-	-	-	-	-	-	-	59	2,694	2,838	3,214	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	60	(1,207)	(1,368)	(1,748)	0.384	0.384	0.384	0.000	23	(463)	(525)	-
12	26	12	130	1,486	1,468	1,462	-	-	-	-	11	-	-	-	-	-	-	-	62	2,830	2,988	3,376	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	56	(1,361)	(1,538)	(1,932)	0.384	0.384	0.384	0.000	21	(523)	(590)	-
12	26	13	128	1,465	1,451	1,447	-	-	-	-	11	-	-	-	-	-	-	-	63	2,835	2,994	3,383	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	54	(1,386)	(1,561)	(1,954)	0.384	0.384	0.384	0.000	21	(532)	(599)	-
12	26	14	126	1,444	1,432	1,429	-	-	-	-	11	-	-	-	-	-	-	-	60	2,760	2,906	3,284	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	54	(1,333)	(1,492)	(1,873)	0.384	0.384	0.384	0.000	21	(512)	(573)	-
12	26	15	125	1,439	1,429	1,429	-	-	-	-	12	-	-	-	-	-	-	-	50	2,375	2,492	2,844	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	62	(961)	(1,094)	(1,435)	0.384	0.384	0.384	0.000	24	(369)	(420)	-
12	26	16	126	1,455	1,453	1,460	-	-	-	-	20	-	-	-	-	-	-	-	30	1,436	1,505	1,813	-	34	34	34	-	(1)	(0)	2	-	-	-	-	76	(15)	(86)	(390)	0.376	0.377	0.373	0.386	29	(6)	(32)	(151)
12	26	17	134	1,557	1,560	1,571	-	-	-	-	29	-	-	-	-	-	-	-	5	331	340	596	-	34	34	34	-	1	(1)	15	-	-	-	-	100	1,191	1,186	926	0.368	0.386	0.389	0.389	37	460	461	360
12	26	18	155	1,818	1,834	1,858	-	-	-	-	31	-	-	-	-	-	-	-	-	76	76	323	-	34	34	34	-	(4)	(2)	9	-	-	-	-	125	1,712	1,726	1,492	0.384	0.399	0.393	0.383	48	683	679	571
12	26	19	161	1,885	1,908	1,939	-	-	-	-	32	-	-	-	-	-	-	-	-	78	78	325	-	34	34	34	-	9	7	20	-	-	-	-	128	1,764	1,789	1,561	0.386	0.401	0.395	0.384	50	707	706	599
12	26	20	160	1,881	1,907	1,939	-	-	-	-	32	-	-	-	-	-	-	-	-	85	85	332	-	34	34	34	-	4	4	5	-	-	-	-	128	1,759	1,784	1,568	0.385	0.400	0.394	0.383	49	704	704	601
12	26	21	157	1,849	1,874	1,905	-	-	-	-	33	-	-	-	-	-	-	-	-	86	86	333	-	34	34	34	-	4	4	5	-	-	-	-	124	1,725	1,750	1,533	0.384	0.399	0.393	0.382	48	689	688	585
12	26	22	151	1,775	1,800	1,830	-	-	-	-	34	-	-	-	-	-	-	-	-	81	81	328	-	34	34	34	-	-	4	2	-	-	-	-	117	1,660	1,681	1,467	0.378	0.396	0.390	0.380	44	657	655	558
12	26	23	140	1,647	1,672	1,701	-	-	-	-	34	-	-	-	-	-	-	-	-	81	81	328	-	34	34	34	-	5	13	-	-	-	-	-	106	1,528	1,544	1,340	0.370	0.390	0.385	0.377	39	596	594	505
12	26	24	127	1,495	1,513	1,536	-	-	-	-	25	-	-	-	-	-	-	-	-	79	79	326	-	34	34	34	-	-	4	-	-	-	-	-	102	1,382	1,395	1,176	0.365	0.385	0.380	0.369	37	532	530	434
12	27	1	117	1,366	1,376	1,391	-	-	-	-	34	-	-	-	-	-	-	-	-	83	83	330	-	34	34	34	-	18	8	0	-	-	-	-	83	1,232	1,252	1,027	0.367	0.388	0.382	0.373	30	478	479	383
12	27	2	111	1,289	1,292	1,300	-	-	-	-	30	-	-	-	-	-	-	-	-	90	90	337	-	34	34	34	-	2	2	-	-	-	-	-	81	1,163	1,166	929	0.365	0.389	0.383	0.372	29	452	447	346
12	27	3	107	1,239	1,235	1,237	-	-	-	-	25	-	-	-	-	-	-	-	-	98	98	345	-	34	34	34	-	(0)	(2)	3	-	-	-	-	82	1,107	1,105	856	0.365	0.388	0.382	0.370	30	429	423	317
12	27	4	106	1,221	1,212	1,210	-	-	-	-	19	-	-	-	-	-	-	-	-	95	95	342	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-	87	1,092	1,085	836	0.365	0.386	0.381	0.369	32	422	413	308
12	27	5	108	1,247	1,234	1,229	-	-	-	-	23	-	-	-	-	-	-	-	-	92	92	339	-	34	34	34	-	13	-	-	-	-	-	-	85	1,107	1,108	855	0.365	0.384	0.379	0.365	31	425	420	313
12	27	6	115	1,323	1,306	1,297	-	-	-	-	30	-	-	-	-	-	-	-	-	86	86	333	-	34	34	34	-	1	10	(4)	-	-	-	-	85	1,202	1,176	934	0.365	0.382	0.375	0.364	31	460	441	340
12	27	7	126	1,442	1,424	1,415	-	-	-	-	31	-	-	-	-	-	-	-	0	88	88	335	-	34	34	34	-	14	7	11	-	-	-	-	95	1,306	1,296	1,035	0.365	0.385	0.377	0.364	35	503	488	377
12	27	8	132	1,520	1,504	1,499	-	-	-	-	26	-	-	-	-	-	-	-	19	1,104	1,123	1,387	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-	88	386	349	83	0.368	0.382	0.377	0.381	32	147	132	32
12	27	9	137	1,572	1,560	1,561	-	-	-	-	16	-	-	-	-	-	-	-	39	1,999	2,074	2,389	-	34	34	34	-	(3)	(1)	5	-	-	-	-	82	(458)	(548)	(867)	0.372	0.364	0.365	0.394	30	(167)	(200)	(341)
12	27	10	139	1,593	1,581	1,581	-	-	-	-	13	-	-	-	-	-	-	-	52	2,494	2,612	2,966	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-	73	(930)	(1,052)	(1,400)	0.377	0.384	0.384	0.000	28	(357)	(404)	-
12	27	11	139	1,594	1,580	1,577	-	-	-	-	12	-	-	-	-	-	-	-	60	2,800	2,947	3,326	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	66	(1,223)	(1,385)	(1,766)	0.384	0.384	0.384	0.000	25	(469)	(532)	-
12	27	12	137	1,577	1,561	1,557	-	-	-	-	11	-	-	-	-	-	-	-	62	2,830	2,986	3,373	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	64	(1,270)	(1,443)	(1,833)	0.384	0.384	0.384	0.000	24	(488)	(554)	-
12	27	13	135	1,555	1,543	1,541	-	-	-	-	11	-	-	-	-	-	-	-	62	2,811	2,964	3,348	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-	62	(1,273)	(1,439)	(1,824)	0.384	0.384	0.384	0.000	24	(489)	(552)	-
12	27	14	133	1,530	1,520	1,520	-	-	-	-	11	-	-	-	-	-	-	-	56	2,593	2,728	3,097	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-	65	(1,080)	(1,226)	(1,595)	0.384	0.384	0.384	0.000	25	(415)	(471)	-
12	27	15	131	1,514	1,507	1,509	-	-	-	-	12	-	-	-	-	-	-	-	44	2,053	2,152	2,487	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-	75	(564)	(677)	(998)	0.384	0.384	0.384	0.000	29	(216)	(260)	-
12	27	16	132	1,528	1,528	1,537	-	-	-	-	20	-	-	-	-	-	-	-	28	1,366	1,418	1,712	-	34	34	34	-	(1)	(0)	2	-	-	-	-	85	129	76	(212)	0.376	0.377	0.373	0.386	32	49	28	(82)
12	27	17	138	1,608	1,612	1,625	-	-	-	-	29	-	-	-	-	-	-	-	5	245	251	502	-	34	34	34	-	1	(1)	15	-	-	-	-	105	1,328	1,329	1,074	0.368	0.386	0.389	0.389	39	513	517	418
12	27	18	158	1,844	1,861	1,886	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	247	-	34	34	34	-	(4)	(2)	9	-	-	-	-	127	1,813	1,828	1,595	0.384	0.399	0.393	0.383	49	724	719	610
12	27	19	162	1,898	1,922	1,953	-	-	-	-	32	-	-	-	-	-	-	-	-	0	0	247	-	34	34	34	-	9	7	20	-	-	-	-	130	1,855	1,880	1,652	0.386	0.401	0.395	0.384	50	743	742	634
12	27	20	160	1,880	1,906	1,938	-	-	-	-	32	-	-	-	-	-	-	-	-	1	1	248	-	34	34	34	-	4	4	5	-	-	-	-	128	1,842	1,866	1,650	0.385	0.400	0.394	0.383	49	737	736	632
12	27	21	156	1,838	1,863	1,894	-	-	-	-	33	-	-	-	-	-	-	-	-	3	3	250	-	34	34	34	-	4	4	5	-	-	-	-	123	1,797	1,821	1,604	0.384	0.399	0.393	0.382	47	717	717	613
12	27	22	149	1,747	1,772	1,801	-	-	-	-	34	-	-	-	-	-	-	-	-	5	5	252	-	34	34	34	-	-	4	2	-	-	-	-	115	1,708	1,728	1,513	0.378	0.396	0.390	0.380	43	675	673	576
12	27	23	138	1,618	1,642	1,671	-	-	-	-	34	-	-	-	-	-	-	-	-	10	10	257	-	34	34	34	-	5	13	-	-	-	-	-	104	1,570	1,585	1,380	0.370	0.390	0.385	0.377	38	613	610	520
12	27	24	131	1,541	1,560	1,583	-	-	-	-	25	-	-	-	-	-	-	-	-	11	11	258	-	34	34	34	-	-	4	-	-	-	-	-	106	1,495	1,510	1,291	0.365	0.385	0.380	0.369	39	576	574	477
12	28	1	114	1,335	1,344	1,358	-	-	-	-	34	-	-	-	-	-	-	-	-	7	7	254	-	34	34	34	-	18	8	0	-	-	-	-	80	1,277	1,296	1,070	0.367	0.388	0.382	0.373	29	496	496	400
12	28	2	108	1,255	1,258	1,265	-	-	-	-	30	-	-	-	-	-	-	-	-	5	5	252	-	34	34	34	-	2	2	-	-	-	-	-	78	1,214	1,217	979	0.365	0.389	0.383	0.372	28	472	466	364
12	28	3	104	1,205	1,201	1,202	-	-	-	-	25	-	-	-	-	-	-	-	-	13	13	260	-	34	34	34	-	(0)	(2)	3	-	-	-	-	79	1,159	1,156	906	0.365	0.388	0.382	0.370	29	449	442	335

Clean Net Short Calculations

			Load (MW)				Owned and Contracted Fossil (MW)				Large Hydro (MW)				Nuclear (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	28	4	103	1,185	1,176	1,173	-	-	-	-	19	-	-	-	-	-	-	-
12	28	5	104	1,199	1,185	1,179	-	-	-	-	23	-	-	-	-	-	-	-
12	28	6	111	1,272	1,253	1,243	-	-	-	-	30	-	-	-	-	-	-	-
12	28	7	122	1,395	1,376	1,366	-	-	-	-	31	-	-	-	-	-	-	-
12	28	8	129	1,474	1,457	1,452	-	-	-	-	26	-	-	-	-	-	-	-
12	28	9	132	1,517	1,504	1,503	-	-	-	-	16	-	-	-	-	-	-	-
12	28	10	134	1,541	1,527	1,526	-	-	-	-	13	-	-	-	-	-	-	-
12	28	11	135	1,551	1,536	1,532	-	-	-	-	12	-	-	-	-	-	-	-
12	28	12	135	1,546	1,529	1,525	-	-	-	-	11	-	-	-	-	-	-	-
12	28	13	134	1,541	1,528	1,526	-	-	-	-	11	-	-	-	-	-	-	-
12	28	14	133	1,537	1,527	1,527	-	-	-	-	11	-	-	-	-	-	-	-
12	28	15	133	1,536	1,529	1,531	-	-	-	-	12	-	-	-	-	-	-	-
12	28	16	133	1,545	1,545	1,554	-	-	-	-	20	-	-	-	-	-	-	-
12	28	17	138	1,603	1,608	1,620	-	-	-	-	29	-	-	-	-	-	-	-
12	28	18	156	1,820	1,836	1,860	-	-	-	-	31	-	-	-	-	-	-	-
12	28	19	159	1,864	1,888	1,918	-	-	-	-	32	-	-	-	-	-	-	-
12	28	20	156	1,834	1,858	1,889	-	-	-	-	32	-	-	-	-	-	-	-
12	28	21	152	1,786	1,810	1,840	-	-	-	-	33	-	-	-	-	-	-	-
12	28	22	144	1,695	1,718	1,746	-	-	-	-	34	-	-	-	-	-	-	-
12	28	23	133	1,567	1,590	1,617	-	-	-	-	34	-	-	-	-	-	-	-
12	28	24	129	1,510	1,528	1,551	-	-	-	-	25	-	-	-	-	-	-	-
12	29	1	111	1,291	1,299	1,312	-	-	-	-	34	-	-	-	-	-	-	-
12	29	2	104	1,211	1,212	1,219	-	-	-	-	30	-	-	-	-	-	-	-
12	29	3	101	1,163	1,158	1,158	-	-	-	-	25	-	-	-	-	-	-	-
12	29	4	99	1,144	1,134	1,130	-	-	-	-	19	-	-	-	-	-	-	-
12	29	5	101	1,164	1,150	1,142	-	-	-	-	23	-	-	-	-	-	-	-
12	29	6	108	1,233	1,214	1,202	-	-	-	-	30	-	-	-	-	-	-	-
12	29	7	118	1,347	1,327	1,316	-	-	-	-	31	-	-	-	-	-	-	-
12	29	8	124	1,415	1,397	1,390	-	-	-	-	26	-	-	-	-	-	-	-
12	29	9	128	1,471	1,457	1,455	-	-	-	-	16	-	-	-	-	-	-	-
12	29	10	131	1,508	1,493	1,491	-	-	-	-	13	-	-	-	-	-	-	-
12	29	11	134	1,535	1,519	1,515	-	-	-	-	12	-	-	-	-	-	-	-
12	29	12	134	1,541	1,524	1,519	-	-	-	-	11	-	-	-	-	-	-	-
12	29	13	134	1,544	1,532	1,529	-	-	-	-	11	-	-	-	-	-	-	-
12	29	14	134	1,548	1,538	1,538	-	-	-	-	11	-	-	-	-	-	-	-
12	29	15	134	1,551	1,544	1,547	-	-	-	-	12	-	-	-	-	-	-	-
12	29	16	136	1,574	1,575	1,585	-	-	-	-	20	-	-	-	-	-	-	-
12	29	17	141	1,645	1,650	1,664	-	-	-	-	29	-	-	-	-	-	-	-
12	29	18	156	1,827	1,843	1,868	-	-	-	-	31	-	-	-	-	-	-	-
12	29	19	158	1,850	1,873	1,903	-	-	-	-	32	-	-	-	-	-	-	-
12	29	20	154	1,808	1,832	1,862	-	-	-	-	32	-	-	-	-	-	-	-
12	29	21	149	1,755	1,778	1,807	-	-	-	-	33	-	-	-	-	-	-	-
12	29	22	141	1,661	1,683	1,711	-	-	-	-	34	-	-	-	-	-	-	-
12	29	23	130	1,530	1,552	1,578	-	-	-	-	34	-	-	-	-	-	-	-
12	29	24	128	1,499	1,517	1,539	-	-	-	-	25	-	-	-	-	-	-	-
12	30	1	107	1,254	1,261	1,273	-	-	-	-	34	-	-	-	-	-	-	-
12	30	2	101	1,174	1,174	1,180	-	-	-	-	30	-	-	-	-	-	-	-
12	30	3	97	1,124	1,118	1,117	-	-	-	-	25	-	-	-	-	-	-	-
12	30	4	96	1,101	1,090	1,085	-	-	-	-	19	-	-	-	-	-	-	-
12	30	5	97	1,109	1,093	1,084	-	-	-	-	23	-	-	-	-	-	-	-
12	30	6	102	1,161	1,139	1,126	-	-	-	-	30	-	-	-	-	-	-	-
12	30	7	110	1,252	1,229	1,215	-	-	-	-	31	-	-	-	-	-	-	-
12	30	8	118	1,346	1,326	1,317	-	-	-	-	26	-	-	-	-	-	-	-
12	30	9	127	1,457	1,442	1,440	-	-	-	-	16	-	-	-	-	-	-	-
12	30	10	133	1,531	1,516	1,515	-	-	-	-	13	-	-	-	-	-	-	-
12	30	11	134	1,535	1,519	1,515	-	-	-	-	12	-	-	-	-	-	-	-
12	30	12	132	1,514	1,497	1,491	-	-	-	-	11	-	-	-	-	-	-	-
12	30	13	131	1,508	1,495	1,491	-	-	-	-	11	-	-	-	-	-	-	-
12	30	14	131	1,505	1,494	1,493	-	-	-	-	11	-	-	-	-	-	-	-
12	30	15	130	1,503	1,495	1,497	-	-	-	-	12	-	-	-	-	-	-	-
12	30	16	132	1,530	1,530	1,538	-	-	-	-	20	-	-	-	-	-	-	-
12	30	17	139	1,614	1,618	1,631	-	-	-	-	29	-	-	-	-	-	-	-
12	30	18	154	1,802	1,818	1,841	-	-	-	-	31	-	-	-	-	-	-	-
12	30	19	156	1,826	1,848	1,877	-	-	-	-	32	-	-	-	-	-	-	-
12	30	20	152	1,788	1,811	1,841	-	-	-	-	32	-	-	-	-	-	-	-
12	30	21	148	1,740	1,762	1,790	-	-	-	-	33	-	-	-	-	-	-	-
12	30	22	141	1,657	1,679	1,707	-	-	-	-	34	-	-	-	-	-	-	-
12	30	23	131	1,543	1,565	1,592	-	-	-	-	34	-	-	-	-	-	-	-
12	30	24	127	1,487	1,504	1,527	-	-	-	-	25	-	-	-	-	-	-	-
12	31	1	97	1,125	1,129	1,137	-	-	-	-	34	-	-	-	-	-	-	-
12	31	2	87	1,008	1,004	1,006	-	-	-	-	30	-	-	-	-	-	-	-
12	31	3	83	955	945	940	-	-	-	-	25	-	-	-	-	-	-	-
12	31	4	81	923	908	898	-	-	-	-	19	-	-	-	-	-	-	-
12	31	5	80	913	893	879	-	-	-	-	23	-	-	-	-	-	-	-
12	31	6	82	925	898	879	-	-	-	-	30	-	-	-	-	-	-	-
12	31	7	85	958	928	907	-	-	-	-	31	-	-	-	-	-	-	-
12	31	8	88	993	964	946	-	-	-	-	26	-	-	-	-	-	-	-
12	31	9	95	1,073	1,049	1,038	-	-	-	-	16	-	-	-	-	-	-	-
12	31	10	102	1,162	1,139	1,128	-	-	-	-	13	-	-	-	-	-	-	-
12	31	11	107	1,221	1,198	1,186	-	-	-	-	12	-	-	-	-	-	-	-
12	31	12	110	1,253	1,229	1,217	-	-	-	-	11	-	-	-	-	-	-	-
12	31	13	112	1,277	1,258	1,248	-	-	-	-	11	-	-	-	-	-	-	-
12	31	14	112	1,284	1,268	1,261	-	-	-	-	11	-	-	-	-	-	-	-
12	31	15	112	1,289	1,276	1,272	-	-	-	-	12	-	-	-	-	-	-	-
12	31	16	114	1,320	1,315	1,318	-	-	-	-	20	-	-	-	-	-	-	-
12	31	17	120	1,387	1,386	1,393	-	-	-	-	29	-	-	-	-	-	-	-
12	31	18	128	1,494	1,502	1,518	-	-	-	-	31	-	-	-	-	-	-	-
12	31	19	130	1,520	1,535	1,556	-	-	-	-	32	-	-	-	-	-	-	-
12	31	20	128	1,496	1,513	1,535	-	-	-	-	32	-	-	-	-	-	-	-
12	31	21	124	1,456	1,472	1,493	-	-	-	-	33	-	-	-	-	-	-	-
12	31	22	120	1,410	1,426	1,447	-	-	-	-	34	-	-	-	-	-	-	-
12	31	23	116	1,362	1,380	1,403	-	-	-	-	34	-	-	-	-	-	-	-
12	31	24	110	1,294	1,308	1,325	-	-	-	-	25	-	-	-	-	-	-	-
Total			1,223,518	########	########	########	-	-	-	-	299,520	-	-	-	-	-	-	-

			Renewables (MW)				User-specified GHG-free Power (MW)				Battery Storage (MW)				Pumped Storage (MW)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	28	4	-	18	18	265	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	28	5	-	30	30	277	-	34	34	34	-	13	-	-	-	-	-	-
12	28	6	-	43	43	290	-	34	34	34	-	1	10	(4)	-	-	-	-
12	28	7	0	48	48	295	-	34	34	34	-	14	7	11	-	-	-	-
12	28	8	11	624	637	897	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	28	9	21	1,071	1,113	1,398	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	28	10	28	1,336	1,398	1,700	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	28	11	24	1,064	1,127	1,430	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	28	12	28	1,252	1,325	1,638	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	28	13	30	1,392	1,465	1,777	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	28	14	25	1,209	1,269	1,570	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	28	15	23	1,111	1,164	1,459	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	28	16	15	744	775	1,050	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	28	17	1	110	113	362	-	34	34	34	-	1	(1)	15	-	-	-	-
12	28	18	-	44	44	291	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	28	19	-	40	40	287	-	34	34	34	-	9	7	20	-	-	-	-
12	28	20	-	38	38	285	-	34	34	34	-	4	4	5	-	-	-	-
12	28	21	-	33	33	280	-	34	34	34	-	4	4	5	-	-	-	-
12	28	22	-	26	26	273	-	34	34	34	-	-	4	2	-	-	-	-
12	28	23	-	23	23	270	-	34	34	34	-	5	13	-	-	-	-	-
12	28	24	-	21	21	268	-	34	34	34	-	-	4	-	-	-	-	-
12	29	1	-	21	21	268	-	34	34	34	-	18	8	0	-	-	-	-
12	29	2	-	26	26	273	-	34	34	34	-	2	2	-	-	-	-	-
12	29	3	-	33	33	280	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	29	4	-	32	32	279	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	29	5	-	28	28	275	-	34	34	34	-	13	-	-	-	-	-	-
12	29	6	-	30	30	277	-	34	34	34	-	1	10	(4)	-	-	-	-
12	29	7	0	37	37	284	-	34	34	34	-	14	7	11	-	-	-	-
12	29	8	15	897	911	1,171	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	29	9	32	1,652	1,708	2,005	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	29	10	40	1,922	2,008	2,333	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	29	11	47	2,205	2,313	2,658	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	29	12	55	2,616	2,740	3,098	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	29	13	57	2,727	2,853	3,213	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	29	14	56	2,688	2,805	3,156	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	29	15	47	2,332	2,427	2,759	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	29	16	28	1,383	1,438	1,735	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	29	17	5	307	314	568	-	34	34	34	-	1	(1)	15	-	-	-	-
12	29	18	-	34	34	281	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	29	19	-	29	29	276	-	34	34	34	-	9	7	20	-	-	-	-
12	29	20	-	28	28	275	-	34	34	34	-	4	4	5	-	-	-	-
12	29	21	-	28	28	275	-	34	34	34	-	4	4	5	-	-	-	-
12	29	22	-	22	22	269	-	34	34	34	-	-	4	2	-	-	-	-
12	29	23	-	20	20	267	-	34	34	34	-	5	13	-	-	-	-	-
12	29	24	-	19	19	266	-	34	34	34	-	-	4	-	-	-	-	-
12	30	1	-	20	20	267	-	34	34	34	-	18	8	0	-	-	-	-
12	30	2	-	26	26	273	-	34	34	34	-	2	2	-	-	-	-	-
12	30	3	-	36	36	283	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	30	4	-	42	42	289	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	30	5	-	40	40	287	-	34	34	34	-	13	-	-	-	-	-	-
12	30	6	-	40	40	287	-	34	34	34	-	1	10	(4)	-	-	-	-
12	30	7	0	49	49	296	-	34	34	34	-	14	7	11	-	-	-	-
12	30	8	15	878	895	1,157	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	30	9	34	1,752	1,816	2,121	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	30	10	48	2,334	2,434	2,770	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	30	11	54	2,586	2,702	3,053	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	30	12	58	2,750	2,881	3,246	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	30	13	59	2,772	2,911	3,283	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	30	14	56	2,656	2,784	3,146	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	30	15	49	2,308	2,417	2,762	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	30	16	28	1,340	1,406	1,712	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	30	17	6	311	321	578	-	34	34	34	-	1	(1)	15	-	-	-	-
12	30	18	-	45	45	292	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	30	19	-	36	36	283	-	34	34	34	-	9	7	20	-	-	-	-
12	30	20	-	27	27	274	-	34	34	34	-	4	4	5	-	-	-	-
12	30	21	-	19	19	266	-	34	34	34	-	4	4	5	-	-	-	-
12	30	22	-	22	22	269	-	34	34	34	-	-	4	2	-	-	-	-
12	30	23	-	20	20	267	-	34	34	34	-	5	13	-	-	-	-	-
12	30	24	-	11	11	258	-	34	34	34	-	-	4	-	-	-	-	-
12	31	1	-	7	7	254	-	34	34	34	-	18	8	0	-	-	-	-
12	31	2	-	1	1	248	-	34	34	34	-	2	2	-	-	-	-	-
12	31	3	-	0	0	247	-	34	34	34	-	(0)	(2)	3	-	-	-	-
12	31	4	-	3	3	250	-	34	34	34	-	(1)	(2)	(2)	-	-	-	-
12	31	5	-	7	7	254	-	34	34	34	-	13	-	-	-	-	-	-
12	31	6	-	6	6	253	-	34	34	34	-	1	10	(4)	-	-	-	-
12	31	7	0	17	17	264	-	34	34	34	-	14	7	11	-	-	-	-
12	31	8	19	1,054	1,073	1,336	-	34	34	34	-	(4)	(2)	(5)	-	-	-	-
12	31	9	39	1,925	1,999	2,312	-	34	34	34	-	(3)	(1)	5	-	-	-	-
12	31	10	52	2,400	2,519	2,873	-	34	34	34	-	(5)	(14)	(19)	-	-	-	-
12	31	11	58	2,632	2,779	3,158	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	31	12	62	2,799	2,958	3,347	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	31	13	63	2,791	2,954	3,348	-	34	34	34	-	(17)	(16)	(17)	-	-	-	-
12	31	14	60	2,637	2,795	3,184	-	34	34	34	-	(17)	(16)	(16)	-	-	-	-
12	31	15	53	2,363	2,502	2,873	-	34	34	34	-	(9)	(2)	(14)	-	-	-	-
12	31	16	36	1,646	1,735	2,061	-	34	34	34	-	(1)	(0)	2	-	-	-	-
12	31	17	8	425	443	705	-	34	34	34	-	1	(1)	15	-	-	-	-
12	31	18	-	34	34	281	-	34	34	34	-	(4)	(2)	9	-	-	-	-
12	31	19	-	31	31	278	-	34	34	34	-	9	7	20	-	-	-	-
12	31	20	-	32	32	279	-	34	34	34	-	4	4	5	-	-	-	-
12	31	21	-	36	36	283	-	34	34	34	-	4	4	5	-	-	-	-
12	31	22	-	35	35	282	-	34	34	34	-	-	4	2	-	-	-	-
12	31	23	-	31	31	278	-	34	34	34	-	5	13	-	-	-	-	-
12	31	24	-	26	26	273	-	34	34	34	-	-	4	-	-	-	-	-
Total			180,918	#######	#######	#######	-	204,584	204,584	204,584	-	(9,645)	(9,883)	(10,736)	-	-	-	-

			Clean Net Short (MW)				Emission Intensity (tCO2/MWh)				Emissions from Clean Net Short (tCO2)			
Month	Day	Hour	2018	2022	2026	2030	2018	2022	2026	2030	2018	2022	2026	2030
12	28	4	84	1,133	1,125	875	0.365	0.386	0.381	0.369	31	438	429	323
12	28	5	81	1,122	1,121	868	0.365	0.384	0.379	0.365	30	430	425	317
12	28	6	81	1,194	1,166	923	0.365	0.382	0.375	0.364	30	456	437	336
12	28	7	91	1,299	1,288	1,026	0.365	0.385	0.377	0.364	33	500	485	373
12	28	8	92	820	788	526	0.368	0.382	0.377	0.381	34	313	297	201
12	28	9	95	415	357	66	0.372	0.364	0.365	0.394	35	151	130	26
12	28	10	93	175	109	(189)	0.377	0.384	0.384	0.000	35	67	42	-
12	28	11	99	470	391	84	0.384	0.384	0.384	0.000	38	180	150	-
12	28	12	96	276	187	(131)	0.384	0.384	0.384	0.000	37	106	72	-
12	28	13	93	132	46	(269)	0.384	0.384	0.384	0.000	36	51	17	-
12	28	14	97	311	240	(60)	0.384	0.384	0.384	0.000	37	120	92	-
12	28	15	98	400	333	52	0.384	0.384	0.384	0.000	37	154	128	-
12	28	16	99	767	736	468	0.376	0.377	0.373	0.386	37	289	275	180
12	28	17	108	1,459	1,462	1,210	0.368	0.386	0.389	0.389	40	563	569	471
12	28	18	125	1,746	1,760	1,526	0.384	0.399	0.393	0.383	48	697	692	584
12	28	19	127	1,781	1,806	1,576	0.386	0.401	0.395	0.384	49	714	713	605
12	28	20	124	1,758	1,781	1,564	0.385	0.400	0.394	0.383	48	703	702	599
12	28	21	119	1,716	1,739	1,521	0.384	0.399	0.393	0.382	46	685	684	581
12	28	22	110	1,635	1,654	1,438	0.378	0.396	0.390	0.380	42	647	645	547
12	28	23	99	1,505	1,519	1,313	0.370	0.390	0.385	0.377	37	588	585	495
12	28	24	103	1,454	1,468	1,249	0.365	0.385	0.380	0.369	38	560	558	461
12	29	1	76	1,218	1,236	1,009	0.367	0.388	0.382	0.373	28	473	473	377
12	29	2	74	1,149	1,150	912	0.365	0.389	0.383	0.372	27	446	441	339
12	29	3	75	1,097	1,093	841	0.365	0.388	0.382	0.370	28	425	418	311
12	29	4	81	1,079	1,070	819	0.365	0.386	0.381	0.369	29	417	408	302
12	29	5	78	1,089	1,088	833	0.365	0.384	0.379	0.365	29	418	412	304
12	29	6	78	1,168	1,140	896	0.365	0.382	0.375	0.364	28	447	427	326
12	29	7	87	1,262	1,249	987	0.365	0.385	0.377	0.364	32	486	471	359
12	29	8	82	488	454	190	0.368	0.382	0.377	0.381	30	187	171	73
12	29	9	80	(212)	(285)	(589)	0.372	0.364	0.365	0.394	30	(77)	(104)	(232)
12	29	10	78	(443)	(535)	(856)	0.377	0.384	0.384	0.000	29	(170)	(205)	-
12	29	11	74	(686)	(812)	(1,160)	0.384	0.384	0.384	0.000	28	(264)	(312)	-
12	29	12	68	(1,093)	(1,234)	(1,597)	0.384	0.384	0.384	0.000	26	(419)	(474)	-
12	29	13	66	(1,200)	(1,339)	(1,701)	0.384	0.384	0.384	0.000	25	(461)	(514)	-
12	29	14	67	(1,157)	(1,284)	(1,636)	0.384	0.384	0.384	0.000	26	(444)	(493)	-
12	29	15	75	(805)	(914)	(1,232)	0.384	0.384	0.384	0.000	29	(309)	(351)	-
12	29	16	89	158	103	(186)	0.376	0.377	0.373	0.386	33	59	38	(72)
12	29	17	107	1,303	1,303	1,047	0.368	0.386	0.389	0.389	40	503	507	407
12	29	18	125	1,763	1,777	1,544	0.384	0.399	0.393	0.383	48	704	699	591
12	29	19	126	1,778	1,803	1,573	0.386	0.401	0.395	0.384	48	712	712	604
12	29	20	122	1,742	1,765	1,547	0.385	0.400	0.394	0.383	47	697	696	593
12	29	21	116	1,690	1,712	1,493	0.384	0.399	0.393	0.382	45	675	674	570
12	29	22	108	1,604	1,622	1,405	0.378	0.396	0.390	0.380	41	635	632	535
12	29	23	96	1,471	1,484	1,277	0.370	0.390	0.385	0.377	36	574	571	481
12	29	24	102	1,446	1,459	1,239	0.365	0.385	0.380	0.369	37	557	555	457
12	30	1	73	1,182	1,200	972	0.367	0.388	0.382	0.373	27	459	459	363
12	30	2	71	1,111	1,112	872	0.365	0.389	0.383	0.372	26	432	426	325
12	30	3	72	1,054	1,049	797	0.365	0.388	0.382	0.370	26	409	401	295
12	30	4	77	1,026	1,016	764	0.365	0.386	0.381	0.369	28	396	387	282
12	30	5	74	1,022	1,019	764	0.365	0.384	0.379	0.365	27	392	386	279
12	30	6	72	1,085	1,055	809	0.365	0.382	0.375	0.364	26	415	395	294
12	30	7	79	1,154	1,139	874	0.365	0.385	0.377	0.364	29	445	429	318
12	30	8	77	438	399	131	0.368	0.382	0.377	0.381	28	167	151	50
12	30	9	77	(326)	(408)	(720)	0.372	0.364	0.365	0.394	29	(119)	(149)	(283)
12	30	10	72	(832)	(937)	(1,270)	0.377	0.384	0.384	0.000	27	(319)	(360)	-
12	30	11	67	(1,067)	(1,200)	(1,555)	0.384	0.384	0.384	0.000	26	(410)	(461)	-
12	30	12	62	(1,253)	(1,402)	(1,773)	0.384	0.384	0.384	0.000	24	(481)	(538)	-
12	30	13	60	(1,281)	(1,434)	(1,808)	0.384	0.384	0.384	0.000	23	(492)	(551)	-
12	30	14	63	(1,168)	(1,308)	(1,671)	0.384	0.384	0.384	0.000	24	(449)	(502)	-
12	30	15	69	(829)	(954)	(1,285)	0.384	0.384	0.384	0.000	27	(318)	(366)	-
12	30	16	84	156	90	(210)	0.376	0.377	0.373	0.386	32	59	34	(81)
12	30	17	104	1,269	1,264	1,004	0.368	0.386	0.389	0.389	38	490	492	391
12	30	18	123	1,726	1,740	1,506	0.384	0.399	0.393	0.383	47	689	684	576
12	30	19	124	1,747	1,771	1,540	0.386	0.401	0.395	0.384	48	700	699	591
12	30	20	120	1,723	1,746	1,527	0.385	0.400	0.394	0.383	46	689	688	585
12	30	21	115	1,683	1,705	1,485	0.384	0.399	0.393	0.382	44	672	671	567
12	30	22	107	1,601	1,619	1,402	0.378	0.396	0.390	0.380	41	633	631	533
12	30	23	97	1,484	1,498	1,291	0.370	0.390	0.385	0.377	36	580	577	487
12	30	24	101	1,441	1,455	1,234	0.365	0.385	0.380	0.369	37	555	553	456
12	31	1	62	1,067	1,081	849	0.367	0.388	0.382	0.373	23	414	413	317
12	31	2	57	971	968	724	0.365	0.389	0.383	0.372	21	377	371	269
12	31	3	58	921	913	656	0.365	0.388	0.382	0.370	21	357	349	243
12	31	4	62	886	872	615	0.365	0.386	0.381	0.369	23	342	332	227
12	31	5	57	858	851	590	0.365	0.384	0.379	0.365	21	329	322	216
12	31	6	52	883	848	596	0.365	0.382	0.375	0.364	19	338	318	217
12	31	7	54	893	870	598	0.365	0.385	0.377	0.364	20	344	328	217
12	31	8	44	(92)	(140)	(419)	0.368	0.382	0.377	0.381	16	(35)	(53)	(160)
12	31	9	40	(883)	(983)	(1,313)	0.372	0.364	0.365	0.394	15	(321)	(359)	(517)
12	31	10	37	(1,267)	(1,401)	(1,760)	0.377	0.384	0.384	0.000	14	(487)	(538)	-
12	31	11	36	(1,428)	(1,599)	(1,990)	0.384	0.384	0.384	0.000	14	(548)	(614)	-
12	31	12	36	(1,564)	(1,746)	(2,148)	0.384	0.384	0.384	0.000	14	(600)	(671)	-
12	31	13	38	(1,531)	(1,715)	(2,117)	0.384	0.384	0.384	0.000	14	(588)	(658)	-
12	31	14	41	(1,370)	(1,545)	(1,941)	0.384	0.384	0.384	0.000	16	(526)	(593)	-
12	31	15	47	(1,098)	(1,257)	(1,621)	0.384	0.384	0.384	0.000	18	(422)	(483)	-
12	31	16	59	(359)	(454)	(780)	0.376	0.377	0.373	0.386	22	(135)	(170)	(301)
12	31	17	83	927	910	638	0.368	0.386	0.389	0.389	30	358	354	248
12	31	18	97	1,429	1,436	1,193	0.384	0.399	0.393	0.383	37	571	565	457
12	31	19	98	1,446	1,463	1,225	0.386	0.401	0.395	0.384	38	580	578	470
12	31	20	95	1,427	1,442	1,216	0.385	0.400	0.394	0.383	37	571	569	466
12	31	21	91	1,383	1,398	1,171	0.384	0.399	0.393	0.382	35	552	550	447
12	31	22	86	1,340	1,352	1,129	0.378	0.396	0.390	0.380	33	530	527	429
12	31	23	82	1,293	1,302	1,090	0.370	0.390	0.385	0.377	30	505	501	411
12	31	24	85	1,234	1,243	1,018	0.365	0.385	0.380	0.369	31	476	472	376
Total			743,080	#######	#######	#######	3,387	2,918	2,983	2,422	287,787	########	########	########

CAISO Peak and Energy Forecasts: CED 2017 Forecast, Mid Baseline-Mid AAEE/AAPV

	Coincident Peak 1 in 2 (MW)		**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**
1	Noncoincident Peak End Use Consumption (sum of TACs)		48588	49136	49735	50665	51513	52455	53403	54154	54932	55620	56294
2		1 Includes EVs	30	63	108	165	227	286	369	437	513	548	603
3		1 Includes Other Electrification	9	17	25	33	39	46	53	61	70	78	82
4		1 Includes Incremental Climate Change Impacts	0	0	43	88	132	179	226	275	324	374	424
5	Estimated Losses (sum of TACs)		3777	3747	3743	3768	3800	3836	3866	3886	3912	3932	3962
6	Gross Generation for Noncoincident Peak End Use Consumption (1 plus 5)		52365	52883	53479	54433	55313	56292	57270	58041	58844	59552	60256
7	Self-Generation Corresponding to Noncoincident Peak End Use Consumption (committed)		4819	5726	6357	7009	7490	8021	8607	9130	9619	10085	10430
8		7 Includes Photovoltaic	2830	3388	3865	4317	4709	5153	5653	6090	6496	6881	7144
9		7 Includes Other Private Generation	1899	2064	2076	2086	2096	2105	2113	2120	2125	2130	2135
10		7 includes Storage	90	273	416	606	685	763	842	920	997	1074	1151
11	Load-Modifying Demand Response		107	144	170	173	169	175	173	189	193	198	205
12		11 Includes Non-Event DR	0	16	31	12	13	14	7	16	15	16	16
13		11 Includes Event-Based DR	107	128	139	161	156	161	167	173	178	183	189
14	Baseline Net Load Corresponding to Noncoincident Peak End Consumption (6 minus 7 minus 11)*		47439	47013	46952	47251	47654	48095	48489	48722	49033	49269	49621
15	Peak Shift Impact, Baseline Forecast		480	702	869	888	1090	1283	1519	1668	2042	2244	2276
16	*Baseline Net Peak, Noncoincident (14 plus 15)*		47920	47715	47821	48139	48745	49378	50008	50391	51075	51513	51897
17	Coincidence Factor		0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965
18	*Baseline Net Peak, Coincident*		46243	46045	46147	46454	47039	47650	48258	48627	49287	49710	50080
19	AAEE Savings Corresponding to Noncoincident Peak End Use Consumption (plus losses)		0	375	759	1163	1595	2025	2644	3242	3819	4370	4889
20	AAPV Generation Corresponding to Noncoincident Peak End Use Consumption (plus avoided losses)		0	0	0	64	152	241	331	424	515	604	683
21	Managed Net Load Corresponding to Noncoincident Peak End Consumption (14 minus 19 minus 20)*		47439	46638	46193	46024	45908	45828	45514	45056	44699	44294	44050
22	Peak Shift Impact, Managed Forecast		480	710	884	936	1209	1456	1900	2159	2646	2962	3126
23	*Managed Net Peak, Noncoincident (21 plus 22)*		47920	47347	47077	46960	47116	47284	47414	47214	47345	47256	47175
24	Coincidence Factor		0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965	0.965
25	*Managed Net Peak, Coincident*		46243	45690	45429	45317	45467	45629	45755	45562	45688	45602	45524

* This is the "traditional" (no peak shift) net peak estimate

	Sales/Energy (GWh)*		**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**
26	Total Consumption		235718	238319	240656	244433	248401	252914	257387	260956	264624	267727	270814
27		26 Includes EVs	1204	1618	2164	2866	3630	4533	5482	6396	7343	7987	8686
28		26 Includes Other Electrification	63	115	167	222	262	306	356	408	464	520	544
29		26 Includes Incremental Climate Change Impacts	0	71	143	215	287	362	437	511	586	660	736
30	Consumption from Self-Generation (committed)		23427	26830	28795	30534	32292	34021	35691	37305	38844	40299	41680
31		30 Includes Photovoltaic	10255	12250	14093	15762	17456	19126	20744	22314	23816	25240	26591
32		30 Includes Other Private Generation	13173	14581	14702	14772	14836	14896	14947	14991	15028	15058	15089
33	*Baseline Sales (26 minus 30)*		212290	211488	211861	213899	216109	218892	221696	223651	225781	227428	229134
34	Estimated Losses		16850	16768	16775	16924	17081	17285	17484	17620	17775	17890	18007
35	*Baseline Total Energy to Serve Load (33 plus 34)*		229140	228257	228635	230823	233190	236177	239181	241272	243556	245318	247142
36	AAEE Savings (customer side)		251	2157	4141	6180	8320	10437	12952	15280	17572	19801	22016
37	AAEE Savings (including losses)		271	2332	4476	6681	8993	11281	13998	16512	18988	21395	23788
38	AAPV Generation					160	461	765	1068	1369	1671	1973	2269
39	AAPV Generation (plus avoided losses)					173	498	827	1154	1480	1806	2132	2453
40	*Managed Sales (33 minus 36 minus 38)*		212040	209331	207720	207559	207329	207691	207677	207003	206538	205655	204849
41	*Managed Total Energy to Serve Load (35 minus 37 minus 39)*		228869	225925	224159	223970	223699	224070	224029	223280	222761	221791	220901

Month	Day	Hour
1	1	1
1	1	2
1	1	3
1	1	4
1	1	5
1	1	6
1	1	7
1	1	8
1	1	9
1	1	10
1	1	11
1	1	12
1	1	13
1	1	14
1	1	15
1	1	16
1	1	17
1	1	18
1	1	19
1	1	20
1	1	21
1	1	22
1	1	23
1	1	24
1	2	1
1	2	2
1	2	3
1	2	4
1	2	5
1	2	6
1	2	7
1	2	8
1	2	9
1	2	10
1	2	11
1	2	12
1	2	13
1	2	14
1	2	15
1	2	16
1	2	17
1	2	18
1	2	19
1	2	20
1	2	21
1	2	22
1	2	23
1	2	24
1	3	1
1	3	2
1	3	3
1	3	4
1	3	5
1	3	6
1	3	7
1	3	8
1	3	9
1	3	10

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00008	0.00003	0.00002	0.00008	0.00020	0.00009
0.00008	0.00002	0.00002	0.00008	0.00021	0.00010
0.00008	0.00001	0.00004	0.00008	0.00022	0.00011
0.00009	0.00002	0.00008	0.00009	0.00022	0.00012
0.00009	0.00003	0.00013	0.00009	0.00020	0.00012
0.00009	0.00003	0.00013	0.00009	0.00018	0.00012
0.00009	0.00004	0.00011	0.00009	0.00015	0.00012
0.00009	0.00005	0.00010	0.00009	0.00013	0.00012
0.00009	0.00007	0.00010	0.00009	0.00012	0.00012
0.00009	0.00009	0.00011	0.00009	0.00012	0.00012
0.00009	0.00010	0.00012	0.00009	0.00012	0.00012
0.00009	0.00014	0.00014	0.00009	0.00012	0.00012
0.00010	0.00017	0.00016	0.00010	0.00014	0.00012
0.00011	0.00021	0.00019	0.00011	0.00014	0.00013
0.00012	0.00024	0.00020	0.00012	0.00015	0.00013
0.00011	0.00025	0.00020	0.00011	0.00015	0.00013
0.00011	0.00024	0.00018	0.00011	0.00015	0.00012
0.00011	0.00023	0.00017	0.00011	0.00016	0.00011
0.00010	0.00022	0.00015	0.00010	0.00017	0.00010
0.00009	0.00018	0.00012	0.00009	0.00018	0.00009
0.00008	0.00014	0.00009	0.00008	0.00018	0.00009
0.00008	0.00010	0.00007	0.00008	0.00019	0.00009
0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00008	0.00003	0.00002	0.00008	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
0.00010	0.00001	0.00004	0.00010	0.00022	0.00011
0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
0.00011	0.00003	0.00013	0.00011	0.00020	0.00012
0.00011	0.00003	0.00013	0.00011	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00011	0.00007	0.00010	0.00011	0.00012	0.00012
0.00011	0.00009	0.00011	0.00011	0.00012	0.00012
0.00011	0.00010	0.00012	0.00011	0.00012	0.00012
0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
0.00011	0.00023	0.00017	0.00011	0.00016	0.00011
0.00010	0.00022	0.00015	0.00010	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
0.00010	0.00001	0.00004	0.00010	0.00022	0.00011
0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
0.00011	0.00003	0.00013	0.00011	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
0.00010	0.00010	0.00007	0.00009	0.00019	0.00009
0.00010	0.00007	0.00005	0.00008	0.00019	0.00009
0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00008	0.00020	0.00009
0.00009	0.00002	0.00002	0.00008	0.00021	0.00010
0.00010	0.00001	0.00004	0.00008	0.00022	0.00011
0.00010	0.00002	0.00008	0.00009	0.00022	0.00012
0.00010	0.00003	0.00013	0.00009	0.00020	0.00012
0.00010	0.00003	0.00013	0.00009	0.00018	0.00012
0.00010	0.00004	0.00011	0.00009	0.00015	0.00012
0.00010	0.00005	0.00010	0.00009	0.00013	0.00012
0.00010	0.00007	0.00010	0.00009	0.00012	0.00012
0.00010	0.00009	0.00011	0.00009	0.00012	0.00012
0.00010	0.00010	0.00012	0.00009	0.00012	0.00012
0.00010	0.00014	0.00014	0.00009	0.00012	0.00012
0.00011	0.00017	0.00016	0.00010	0.00014	0.00012
0.00012	0.00021	0.00019	0.00011	0.00014	0.00013
0.00013	0.00024	0.00020	0.00012	0.00015	0.00013
0.00013	0.00025	0.00020	0.00011	0.00015	0.00013
0.00013	0.00024	0.00018	0.00011	0.00015	0.00012
0.00012	0.00023	0.00017	0.00011	0.00016	0.00011
0.00011	0.00022	0.00015	0.00010	0.00017	0.00010
0.00010	0.00018	0.00012	0.00009	0.00018	0.00009
0.00010	0.00014	0.00009	0.00008	0.00018	0.00009
0.00009	0.00010	0.00007	0.00008	0.00019	0.00009
0.00009	0.00007	0.00005	0.00008	0.00019	0.00009
0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00008	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
0.00009	0.00001	0.00004	0.00010	0.00022	0.00011
0.00010	0.00002	0.00008	0.00011	0.00022	0.00012
0.00010	0.00003	0.00013	0.00011	0.00020	0.00012
0.00010	0.00003	0.00013	0.00012	0.00018	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency
1	1	0.00014	0.00009	0.00018	0.00009
1	2	0.00010	0.00007	0.00019	0.00009
1	3	0.00007	0.00005	0.00019	0.00009
1	4	0.00005	0.00003	0.00020	0.00009
1	5	0.00003	0.00002	0.00020	0.00009
1	6	0.00002	0.00002	0.00021	0.00010
1	7	0.00001	0.00004	0.00022	0.00011
1	8	0.00002	0.00008	0.00022	0.00012
1	9	0.00003	0.00013	0.00020	0.00012
1	10	0.00003	0.00013	0.00018	0.00012
1	11	0.00004	0.00011	0.00015	0.00012
1	12	0.00005	0.00010	0.00013	0.00012
1	13	0.00007	0.00010	0.00012	0.00012
1	14	0.00009	0.00011	0.00012	0.00012
1	15	0.00010	0.00012	0.00012	0.00012
1	16	0.00014	0.00014	0.00012	0.00012
1	17	0.00017	0.00016	0.00014	0.00012
1	18	0.00021	0.00019	0.00014	0.00013
1	19	0.00024	0.00020	0.00015	0.00013
1	20	0.00025	0.00020	0.00015	0.00013
1	21	0.00024	0.00018	0.00015	0.00012
1	22	0.00023	0.00017	0.00016	0.00011
1	23	0.00022	0.00015	0.00017	0.00010
1	24	0.00018	0.00012	0.00018	0.00009
2	1	0.00014	0.00009	0.00016	0.00009
2	2	0.00010	0.00007	0.00017	0.00008
2	3	0.00007	0.00005	0.00018	0.00008
2	4	0.00005	0.00003	0.00018	0.00008
2	5	0.00003	0.00002	0.00019	0.00009
2	6	0.00002	0.00002	0.00019	0.00010
2	7	0.00001	0.00004	0.00020	0.00011
2	8	0.00001	0.00009	0.00019	0.00012
2	9	0.00003	0.00014	0.00018	0.00012
2	10	0.00003	0.00014	0.00015	0.00012
2	11	0.00004	0.00011	0.00013	0.00012
2	12	0.00005	0.00010	0.00012	0.00012
2	13	0.00007	0.00010	0.00011	0.00012
2	14	0.00009	0.00011	0.00011	0.00012
2	15	0.00010	0.00012	0.00010	0.00012
2	16	0.00013	0.00014	0.00011	0.00012
2	17	0.00017	0.00016	0.00012	0.00012
2	18	0.00021	0.00019	0.00012	0.00012
2	19	0.00025	0.00021	0.00013	0.00012
2	20	0.00025	0.00020	0.00013	0.00012
2	21	0.00025	0.00018	0.00013	0.00012
2	22	0.00023	0.00017	0.00013	0.00011
2	23	0.00022	0.00015	0.00014	0.00010
2	24	0.00018	0.00012	0.00015	0.00009
3	1	0.00014	0.00009	0.00015	0.00009
3	2	0.00010	0.00006	0.00016	0.00008
3	3	0.00007	0.00005	0.00017	0.00008
3	4	0.00005	0.00003	0.00018	0.00008
3	5	0.00003	0.00002	0.00019	0.00009
3	6	0.00002	0.00002	0.00019	0.00010
3	7	0.00001	0.00004	0.00019	0.00011
3	8	0.00001	0.00009	0.00017	0.00012
3	9	0.00003	0.00014	0.00015	0.00012
3	10	0.00003	0.00014	0.00012	0.00012

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	3	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00010	0.00004	0.00011	0.00012	0.00015	0.00012
1	3	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00010	0.00005	0.00010	0.00012	0.00013	0.00012
1	3	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
1	3	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
1	3	15	0.00011	0.00010	0.00012	0.00011	0.00012	0.00012	0.00010	0.00010	0.00012	0.00011	0.00012	0.00012
1	3	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00010	0.00014	0.00014	0.00011	0.00012	0.00012
1	3	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
1	3	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	3	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
1	3	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
1	3	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
1	3	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
1	3	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	3	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
1	4	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	4	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	4	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
1	4	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
1	4	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00009	0.00009	0.00003	0.00002	0.00008	0.00020	0.00009
1	4	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
1	4	7	0.00010	0.00001	0.00004	0.00010	0.00022	0.00011	0.00010	0.00001	0.00004	0.00010	0.00022	0.00011
1	4	8	0.00011	0.00002	0.00008	0.00011	0.00022	0.00012	0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
1	4	9	0.00011	0.00003	0.00013	0.00011	0.00020	0.00012	0.00012	0.00003	0.00013	0.00011	0.00020	0.00012
1	4	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
1	4	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	4	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	4	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	4	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	4	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00012	0.00012	0.00012	0.00012
1	4	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00011	0.00014	0.00014	0.00012	0.00012	0.00012
1	4	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
1	4	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	4	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	4	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
1	4	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
1	4	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
1	4	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	4	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	5	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	5	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	5	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
1	5	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
1	5	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	5	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
1	5	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00010	0.00001	0.00004	0.00011	0.00022	0.00011
1	5	8	0.00011	0.00002	0.00008	0.00011	0.00022	0.00012	0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
1	5	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
1	5	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00013	0.00003	0.00013	0.00012	0.00018	0.00012
1	5	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00013	0.00004	0.00011	0.00012	0.00015	0.00012
1	5	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00013	0.00005	0.00010	0.00012	0.00013	0.00012
1	5	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00013	0.00007	0.00010	0.00012	0.00012	0.00012
1	5	14	0.00011	0.00009	0.00011	0.00011	0.00012	0.00012	0.00013	0.00009	0.00011	0.00011	0.00012	0.00012
1	5	15	0.00011	0.00010	0.00012	0.00011	0.00012	0.00012	0.00012	0.00010	0.00012	0.00011	0.00012	0.00012
1	5	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00012	0.00014	0.00014	0.00011	0.00012	0.00012
1	5	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00013	0.00017	0.00016	0.00011	0.00014	0.00012
1	5	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00014	0.00021	0.00019	0.00013	0.00014	0.00013
1	5	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	5	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00014	0.00025	0.00020	0.00013	0.00015	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency
3	11	0.00004	0.00011	0.00011	0.00012
3	12	0.00005	0.00010	0.00009	0.00012
3	13	0.00007	0.00010	0.00009	0.00012
3	14	0.00009	0.00011	0.00009	0.00012
3	15	0.00010	0.00012	0.00009	0.00012
3	16	0.00013	0.00014	0.00009	0.00012
3	17	0.00017	0.00016	0.00010	0.00012
3	18	0.00022	0.00019	0.00010	0.00012
3	19	0.00025	0.00021	0.00011	0.00012
3	20	0.00026	0.00020	0.00011	0.00012
3	21	0.00025	0.00018	0.00011	0.00012
3	22	0.00023	0.00017	0.00012	0.00011
3	23	0.00022	0.00015	0.00013	0.00010
3	24	0.00018	0.00012	0.00014	0.00009
4	1	0.00014	0.00009	0.00012	0.00008
4	2	0.00010	0.00006	0.00013	0.00008
4	3	0.00007	0.00005	0.00014	0.00008
4	4	0.00005	0.00003	0.00015	0.00008
4	5	0.00003	0.00002	0.00017	0.00009
4	6	0.00002	0.00002	0.00018	0.00010
4	7	0.00001	0.00004	0.00017	0.00011
4	8	0.00001	0.00009	0.00016	0.00012
4	9	0.00003	0.00014	0.00014	0.00012
4	10	0.00003	0.00014	0.00012	0.00012
4	11	0.00004	0.00011	0.00011	0.00012
4	12	0.00005	0.00010	0.00010	0.00012
4	13	0.00007	0.00010	0.00009	0.00012
4	14	0.00009	0.00011	0.00009	0.00012
4	15	0.00010	0.00012	0.00009	0.00012
4	16	0.00013	0.00014	0.00009	0.00012
4	17	0.00017	0.00016	0.00009	0.00011
4	18	0.00022	0.00019	0.00010	0.00011
4	19	0.00025	0.00021	0.00011	0.00012
4	20	0.00026	0.00020	0.00010	0.00011
4	21	0.00025	0.00018	0.00010	0.00011
4	22	0.00023	0.00017	0.00010	0.00010
4	23	0.00022	0.00015	0.00010	0.00009
4	24	0.00018	0.00012	0.00011	0.00008
5	1	0.00014	0.00009	0.00010	0.00009
5	2	0.00010	0.00007	0.00010	0.00008
5	3	0.00007	0.00005	0.00010	0.00008
5	4	0.00005	0.00003	0.00011	0.00009
5	5	0.00003	0.00002	0.00012	0.00009
5	6	0.00002	0.00002	0.00013	0.00011
5	7	0.00001	0.00004	0.00013	0.00011
5	8	0.00002	0.00008	0.00012	0.00012
5	9	0.00003	0.00013	0.00011	0.00013
5	10	0.00003	0.00013	0.00010	0.00013
5	11	0.00004	0.00011	0.00009	0.00013
5	12	0.00005	0.00010	0.00008	0.00012
5	13	0.00007	0.00010	0.00008	0.00012
5	14	0.00009	0.00011	0.00008	0.00012
5	15	0.00010	0.00012	0.00008	0.00012
5	16	0.00014	0.00014	0.00008	0.00012
5	17	0.00017	0.00016	0.00008	0.00011
5	18	0.00021	0.00019	0.00009	0.00011
5	19	0.00024	0.00020	0.00010	0.00012
5	20	0.00025	0.00020	0.00010	0.00012

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	5	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00014	0.00024	0.00018	0.00012	0.00015	0.00012
1	5	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00013	0.00023	0.00017	0.00012	0.00016	0.00011
1	5	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00012	0.00022	0.00015	0.00011	0.00017	0.00010
1	5	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00012	0.00018	0.00012	0.00010	0.00018	0.00009
1	6	1	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
1	6	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	6	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
1	6	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
1	6	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	6	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00010	0.00002	0.00002	0.00009	0.00021	0.00010
1	6	7	0.00010	0.00001	0.00004	0.00010	0.00022	0.00011	0.00011	0.00001	0.00004	0.00010	0.00022	0.00011
1	6	8	0.00010	0.00002	0.00008	0.00010	0.00022	0.00012	0.00012	0.00002	0.00008	0.00010	0.00022	0.00012
1	6	9	0.00010	0.00003	0.00013	0.00010	0.00020	0.00012	0.00012	0.00003	0.00013	0.00010	0.00020	0.00012
1	6	10	0.00011	0.00003	0.00013	0.00011	0.00018	0.00012	0.00013	0.00003	0.00013	0.00011	0.00018	0.00012
1	6	11	0.00011	0.00004	0.00011	0.00011	0.00015	0.00012	0.00013	0.00004	0.00011	0.00011	0.00015	0.00012
1	6	12	0.00011	0.00005	0.00010	0.00011	0.00013	0.00012	0.00013	0.00005	0.00010	0.00011	0.00013	0.00012
1	6	13	0.00010	0.00007	0.00010	0.00010	0.00012	0.00012	0.00013	0.00007	0.00010	0.00010	0.00012	0.00012
1	6	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00013	0.00009	0.00011	0.00010	0.00012	0.00012
1	6	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00013	0.00010	0.00012	0.00010	0.00012	0.00012
1	6	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00013	0.00014	0.00014	0.00010	0.00012	0.00012
1	6	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00014	0.00017	0.00016	0.00010	0.00014	0.00012
1	6	18	0.00012	0.00021	0.00019	0.00012	0.00014	0.00013	0.00014	0.00021	0.00019	0.00012	0.00014	0.00013
1	6	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00015	0.00024	0.00020	0.00012	0.00015	0.00013
1	6	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00014	0.00025	0.00020	0.00012	0.00015	0.00013
1	6	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00014	0.00024	0.00018	0.00012	0.00015	0.00012
1	6	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00013	0.00023	0.00017	0.00011	0.00016	0.00011
1	6	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00012	0.00022	0.00015	0.00010	0.00017	0.00010
1	6	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00013	0.00018	0.00012	0.00010	0.00018	0.00009
1	7	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
1	7	2	0.00008	0.00010	0.00007	0.00008	0.00019	0.00009	0.00009	0.00010	0.00007	0.00008	0.00019	0.00009
1	7	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00009	0.00007	0.00005	0.00008	0.00019	0.00009
1	7	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
1	7	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00009	0.00009	0.00003	0.00002	0.00008	0.00020	0.00009
1	7	6	0.00008	0.00002	0.00002	0.00008	0.00021	0.00010	0.00010	0.00002	0.00002	0.00008	0.00021	0.00010
1	7	7	0.00009	0.00001	0.00004	0.00009	0.00022	0.00011	0.00011	0.00001	0.00004	0.00009	0.00022	0.00011
1	7	8	0.00009	0.00002	0.00008	0.00009	0.00022	0.00012	0.00012	0.00002	0.00008	0.00009	0.00022	0.00012
1	7	9	0.00009	0.00003	0.00013	0.00009	0.00020	0.00012	0.00012	0.00003	0.00013	0.00009	0.00020	0.00012
1	7	10	0.00010	0.00003	0.00013	0.00010	0.00018	0.00012	0.00012	0.00003	0.00013	0.00010	0.00018	0.00012
1	7	11	0.00010	0.00004	0.00011	0.00010	0.00015	0.00012	0.00012	0.00004	0.00011	0.00010	0.00015	0.00012
1	7	12	0.00010	0.00005	0.00010	0.00010	0.00013	0.00012	0.00012	0.00005	0.00010	0.00010	0.00013	0.00012
1	7	13	0.00010	0.00007	0.00010	0.00010	0.00012	0.00012	0.00012	0.00007	0.00010	0.00010	0.00012	0.00012
1	7	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012
1	7	15	0.00009	0.00010	0.00012	0.00009	0.00012	0.00012	0.00012	0.00010	0.00012	0.00009	0.00012	0.00012
1	7	16	0.00009	0.00014	0.00014	0.00009	0.00012	0.00012	0.00012	0.00014	0.00014	0.00009	0.00012	0.00012
1	7	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00012	0.00017	0.00016	0.00010	0.00014	0.00012
1	7	18	0.00011	0.00021	0.00019	0.00011	0.00014	0.00013	0.00014	0.00021	0.00019	0.00011	0.00014	0.00013
1	7	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00014	0.00024	0.00020	0.00012	0.00015	0.00013
1	7	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00014	0.00025	0.00020	0.00012	0.00015	0.00013
1	7	21	0.00011	0.00024	0.00018	0.00011	0.00015	0.00012	0.00014	0.00024	0.00018	0.00011	0.00015	0.00012
1	7	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00013	0.00023	0.00017	0.00011	0.00016	0.00011
1	7	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00012	0.00022	0.00015	0.00010	0.00017	0.00010
1	7	24	0.00009	0.00018	0.00012	0.00009	0.00018	0.00009	0.00011	0.00018	0.00012	0.00009	0.00018	0.00009
1	8	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
1	8	2	0.00008	0.00010	0.00007	0.00008	0.00019	0.00009	0.00009	0.00010	0.00007	0.00008	0.00019	0.00009
1	8	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00009	0.00007	0.00005	0.00008	0.00019	0.00009
1	8	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
1	8	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	8	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00010	0.00002	0.00002	0.00009	0.00021	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency
5	21	0.00024	0.00018	0.00009	0.00011
5	22	0.00023	0.00017	0.00009	0.00010
5	23	0.00022	0.00015	0.00010	0.00009
5	24	0.00018	0.00012	0.00010	0.00009
6	1	0.00014	0.00009	0.00008	0.00009
6	2	0.00010	0.00006	0.00008	0.00009
6	3	0.00007	0.00005	0.00008	0.00009
6	4	0.00005	0.00003	0.00009	0.00009
6	5	0.00003	0.00002	0.00009	0.00010
6	6	0.00002	0.00002	0.00009	0.00011
6	7	0.00001	0.00004	0.00009	0.00012
6	8	0.00001	0.00009	0.00009	0.00013
6	9	0.00003	0.00014	0.00009	0.00013
6	10	0.00003	0.00014	0.00008	0.00014
6	11	0.00004	0.00011	0.00008	0.00014
6	12	0.00005	0.00010	0.00007	0.00014
6	13	0.00007	0.00010	0.00007	0.00014
6	14	0.00009	0.00011	0.00007	0.00014
6	15	0.00010	0.00012	0.00007	0.00014
6	16	0.00013	0.00014	0.00007	0.00014
6	17	0.00017	0.00016	0.00007	0.00013
6	18	0.00022	0.00019	0.00007	0.00013
6	19	0.00025	0.00021	0.00008	0.00013
6	20	0.00026	0.00020	0.00008	0.00013
6	21	0.00025	0.00018	0.00008	0.00012
6	22	0.00023	0.00017	0.00008	0.00011
6	23	0.00022	0.00015	0.00008	0.00010
6	24	0.00018	0.00012	0.00008	0.00009
7	1	0.00014	0.00009	0.00008	0.00009
7	2	0.00010	0.00007	0.00008	0.00009
7	3	0.00007	0.00005	0.00008	0.00009
7	4	0.00005	0.00003	0.00008	0.00010
7	5	0.00003	0.00002	0.00008	0.00010
7	6	0.00002	0.00002	0.00009	0.00011
7	7	0.00001	0.00004	0.00009	0.00012
7	8	0.00001	0.00009	0.00008	0.00013
7	9	0.00003	0.00014	0.00008	0.00014
7	10	0.00003	0.00014	0.00008	0.00014
7	11	0.00004	0.00011	0.00007	0.00014
7	12	0.00005	0.00010	0.00007	0.00014
7	13	0.00007	0.00010	0.00007	0.00015
7	14	0.00009	0.00011	0.00007	0.00015
7	15	0.00010	0.00012	0.00007	0.00015
7	16	0.00013	0.00014	0.00007	0.00015
7	17	0.00017	0.00016	0.00007	0.00014
7	18	0.00021	0.00019	0.00007	0.00014
7	19	0.00025	0.00021	0.00008	0.00013
7	20	0.00025	0.00020	0.00008	0.00013
7	21	0.00025	0.00018	0.00008	0.00012
7	22	0.00023	0.00017	0.00008	0.00011
7	23	0.00022	0.00015	0.00008	0.00010
7	24	0.00018	0.00012	0.00008	0.00009
8	1	0.00014	0.00009	0.00008	0.00009
8	2	0.00010	0.00007	0.00009	0.00009
8	3	0.00007	0.00005	0.00009	0.00009
8	4	0.00005	0.00003	0.00009	0.00010
8	5	0.00003	0.00002	0.00009	0.00010
8	6	0.00002	0.00002	0.00009	0.00011

Month	Day	Hour
1	8	7
1	8	8
1	8	9
1	8	10
1	8	11
1	8	12
1	8	13
1	8	14
1	8	15
1	8	16
1	8	17
1	8	18
1	8	19
1	8	20
1	8	21
1	8	22
1	8	23
1	8	24
1	9	1
1	9	2
1	9	3
1	9	4
1	9	5
1	9	6
1	9	7
1	9	8
1	9	9
1	9	10
1	9	11
1	9	12
1	9	13
1	9	14
1	9	15
1	9	16
1	9	17
1	9	18
1	9	19
1	9	20
1	9	21
1	9	22
1	9	23
1	9	24
1	10	1
1	10	2
1	10	3
1	10	4
1	10	5
1	10	6
1	10	7
1	10	8
1	10	9
1	10	10
1	10	11
1	10	12
1	10	13
1	10	14
1	10	15
1	10	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00011	0.00002	0.00008	0.00011	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00011	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
0.00013	0.00023	0.00017	0.00012	0.00016	0.00011
0.00012	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
0.00010	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00008	0.00019	0.00009
0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00010	0.00001	0.00004	0.00011	0.00022	0.00011
0.00010	0.00002	0.00008	0.00011	0.00022	0.00012
0.00011	0.00003	0.00013	0.00012	0.00020	0.00012
0.00011	0.00003	0.00013	0.00012	0.00018	0.00012
0.00011	0.00004	0.00011	0.00012	0.00015	0.00012
0.00011	0.00005	0.00010	0.00012	0.00013	0.00012
0.00011	0.00007	0.00010	0.00012	0.00012	0.00012
0.00011	0.00009	0.00011	0.00012	0.00012	0.00012
0.00011	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00009	0.00001	0.00004	0.00011	0.00022	0.00011
0.00009	0.00002	0.00008	0.00012	0.00022	0.00012
0.00010	0.00003	0.00013	0.00012	0.00020	0.00012
0.00010	0.00003	0.00013	0.00012	0.00018	0.00012
0.00010	0.00004	0.00011	0.00012	0.00015	0.00012
0.00010	0.00005	0.00010	0.00012	0.00013	0.00012
0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
0.00010	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00012	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency
8	7	0.00001	0.00004	0.00009	0.00012
8	8	0.00001	0.00009	0.00009	0.00013
8	9	0.00003	0.00014	0.00008	0.00014
8	10	0.00003	0.00014	0.00008	0.00014
8	11	0.00004	0.00011	0.00007	0.00014
8	12	0.00005	0.00010	0.00007	0.00015
8	13	0.00007	0.00010	0.00007	0.00015
8	14	0.00009	0.00011	0.00006	0.00015
8	15	0.00010	0.00012	0.00006	0.00015
8	16	0.00013	0.00014	0.00007	0.00015
8	17	0.00017	0.00016	0.00007	0.00014
8	18	0.00021	0.00019	0.00007	0.00014
8	19	0.00025	0.00021	0.00008	0.00014
8	20	0.00025	0.00020	0.00008	0.00013
8	21	0.00025	0.00018	0.00008	0.00013
8	22	0.00023	0.00017	0.00008	0.00011
8	23	0.00022	0.00015	0.00008	0.00010
8	24	0.00018	0.00012	0.00008	0.00010
9	1	0.00014	0.00009	0.00008	0.00009
9	2	0.00010	0.00006	0.00009	0.00009
9	3	0.00007	0.00005	0.00009	0.00009
9	4	0.00005	0.00003	0.00009	0.00009
9	5	0.00003	0.00002	0.00009	0.00010
9	6	0.00002	0.00002	0.00009	0.00011
9	7	0.00001	0.00004	0.00009	0.00012
9	8	0.00001	0.00009	0.00009	0.00013
9	9	0.00003	0.00014	0.00009	0.00014
9	10	0.00003	0.00014	0.00008	0.00014
9	11	0.00004	0.00011	0.00008	0.00014
9	12	0.00005	0.00010	0.00007	0.00014
9	13	0.00007	0.00010	0.00007	0.00015
9	14	0.00009	0.00011	0.00007	0.00015
9	15	0.00010	0.00012	0.00007	0.00015
9	16	0.00013	0.00014	0.00007	0.00015
9	17	0.00017	0.00016	0.00007	0.00014
9	18	0.00022	0.00019	0.00008	0.00014
9	19	0.00025	0.00021	0.00008	0.00014
9	20	0.00026	0.00020	0.00008	0.00013
9	21	0.00025	0.00018	0.00008	0.00012
9	22	0.00023	0.00017	0.00008	0.00011
9	23	0.00022	0.00015	0.00008	0.00010
9	24	0.00018	0.00012	0.00008	0.00009
10	1	0.00014	0.00009	0.00010	0.00009
10	2	0.00010	0.00007	0.00010	0.00009
10	3	0.00007	0.00005	0.00010	0.00009
10	4	0.00005	0.00003	0.00011	0.00009
10	5	0.00003	0.00002	0.00011	0.00010
10	6	0.00002	0.00002	0.00012	0.00011
10	7	0.00001	0.00004	0.00013	0.00012
10	8	0.00002	0.00008	0.00013	0.00012
10	9	0.00003	0.00013	0.00011	0.00013
10	10	0.00003	0.00013	0.00010	0.00013
10	11	0.00004	0.00011	0.00009	0.00013
10	12	0.00005	0.00010	0.00008	0.00013
10	13	0.00007	0.00010	0.00008	0.00013
10	14	0.00009	0.00011	0.00008	0.00013
10	15	0.00010	0.00012	0.00008	0.00013
10	16	0.00014	0.00014	0.00008	0.00013

Month	Day	Hour
1	10	17
1	10	18
1	10	19
1	10	20
1	10	21
1	10	22
1	10	23
1	10	24
1	11	1
1	11	2
1	11	3
1	11	4
1	11	5
1	11	6
1	11	7
1	11	8
1	11	9
1	11	10
1	11	11
1	11	12
1	11	13
1	11	14
1	11	15
1	11	16
1	11	17
1	11	18
1	11	19
1	11	20
1	11	21
1	11	22
1	11	23
1	11	24
1	12	1
1	12	2
1	12	3
1	12	4
1	12	5
1	12	6
1	12	7
1	12	8
1	12	9
1	12	10
1	12	11
1	12	12
1	12	13
1	12	14
1	12	15
1	12	16
1	12	17
1	12	18
1	12	19
1	12	20
1	12	21
1	12	22
1	12	23
1	12	24
1	13	1
1	13	2

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00014	0.00024	0.00020	0.00014	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00010	0.00003	0.00002	0.00010	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00012	0.00001	0.00004	0.00012	0.00022	0.00011
0.00013	0.00002	0.00008	0.00013	0.00022	0.00012
0.00013	0.00003	0.00013	0.00013	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00014	0.00024	0.00020	0.00014	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00013	0.00023	0.00017	0.00013	0.00016	0.00011
0.00012	0.00022	0.00015	0.00012	0.00017	0.00010
0.00011	0.00018	0.00012	0.00011	0.00018	0.00009
0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
0.00010	0.00010	0.00007	0.00010	0.00019	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00014	0.00021	0.00019	0.00013	0.00014	0.00013
0.00014	0.00024	0.00020	0.00014	0.00015	0.00013
0.00014	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00013	0.00023	0.00017	0.00012	0.00016	0.00011
0.00012	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00010	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00012	0.00001	0.00004	0.00012	0.00022	0.00011
0.00012	0.00002	0.00008	0.00013	0.00022	0.00012
0.00012	0.00003	0.00013	0.00013	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00011	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00014	0.00024	0.00020	0.00014	0.00015	0.00013
0.00014	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00013	0.00023	0.00017	0.00013	0.00016	0.00011
0.00012	0.00022	0.00015	0.00012	0.00017	0.00010
0.00011	0.00018	0.00012	0.00011	0.00018	0.00009
0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
0.00009	0.00010	0.00007	0.00010	0.00019	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency
10	17	0.00017	0.00016	0.00008	0.00013
10	18	0.00021	0.00019	0.00009	0.00013
10	19	0.00024	0.00020	0.00009	0.00013
10	20	0.00025	0.00020	0.00009	0.00012
10	21	0.00024	0.00018	0.00009	0.00011
10	22	0.00023	0.00017	0.00009	0.00010
10	23	0.00022	0.00015	0.00009	0.00009
10	24	0.00018	0.00012	0.00010	0.00009
11	1	0.00014	0.00009	0.00016	0.00008
11	2	0.00010	0.00007	0.00017	0.00008
11	3	0.00007	0.00005	0.00018	0.00008
11	4	0.00005	0.00003	0.00019	0.00008
11	5	0.00003	0.00002	0.00020	0.00008
11	6	0.00002	0.00002	0.00020	0.00009
11	7	0.00001	0.00004	0.00020	0.00010
11	8	0.00002	0.00008	0.00019	0.00011
11	9	0.00003	0.00013	0.00016	0.00012
11	10	0.00003	0.00013	0.00014	0.00012
11	11	0.00004	0.00011	0.00012	0.00012
11	12	0.00005	0.00009	0.00011	0.00012
11	13	0.00007	0.00010	0.00010	0.00012
11	14	0.00009	0.00011	0.00010	0.00012
11	15	0.00010	0.00012	0.00010	0.00012
11	16	0.00014	0.00014	0.00011	0.00012
11	17	0.00017	0.00016	0.00012	0.00012
11	18	0.00021	0.00019	0.00012	0.00012
11	19	0.00024	0.00020	0.00013	0.00012
11	20	0.00025	0.00020	0.00014	0.00012
11	21	0.00024	0.00018	0.00014	0.00011
11	22	0.00023	0.00017	0.00015	0.00010
11	23	0.00022	0.00015	0.00015	0.00009
11	24	0.00018	0.00013	0.00016	0.00009
12	1	0.00014	0.00009	0.00017	0.00009
12	2	0.00010	0.00006	0.00017	0.00009
12	3	0.00007	0.00005	0.00018	0.00009
12	4	0.00005	0.00003	0.00018	0.00009
12	5	0.00003	0.00002	0.00018	0.00009
12	6	0.00002	0.00002	0.00019	0.00010
12	7	0.00001	0.00004	0.00021	0.00011
12	8	0.00001	0.00009	0.00021	0.00011
12	9	0.00003	0.00014	0.00019	0.00012
12	10	0.00003	0.00014	0.00016	0.00012
12	11	0.00004	0.00011	0.00013	0.00012
12	12	0.00005	0.00010	0.00012	0.00012
12	13	0.00007	0.00010	0.00011	0.00012
12	14	0.00009	0.00011	0.00011	0.00012
12	15	0.00010	0.00012	0.00011	0.00012
12	16	0.00013	0.00014	0.00011	0.00012
12	17	0.00017	0.00016	0.00013	0.00013
12	18	0.00022	0.00019	0.00013	0.00013
12	19	0.00025	0.00021	0.00014	0.00013
12	20	0.00026	0.00020	0.00014	0.00013
12	21	0.00025	0.00018	0.00014	0.00012
12	22	0.00023	0.00017	0.00014	0.00011
12	23	0.00022	0.00015	0.00015	0.00010
12	24	0.00018	0.00012	0.00016	0.00009

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	13	3	0.00010	0.00007	0.00005	0.00010	0.00019	0.00009	0.00009	0.00007	0.00005	0.00010	0.00019	0.00009
1	13	4	0.00010	0.00005	0.00003	0.00010	0.00020	0.00009	0.00009	0.00005	0.00003	0.00010	0.00020	0.00009
1	13	5	0.00010	0.00003	0.00002	0.00010	0.00020	0.00009	0.00009	0.00003	0.00002	0.00010	0.00020	0.00009
1	13	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
1	13	7	0.00010	0.00001	0.00004	0.00010	0.00022	0.00011	0.00012	0.00001	0.00004	0.00010	0.00022	0.00011
1	13	8	0.00011	0.00002	0.00008	0.00011	0.00022	0.00012	0.00012	0.00002	0.00008	0.00011	0.00022	0.00012
1	13	9	0.00011	0.00003	0.00013	0.00011	0.00020	0.00012	0.00013	0.00003	0.00013	0.00011	0.00020	0.00012
1	13	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
1	13	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	13	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	13	13	0.00011	0.00007	0.00010	0.00011	0.00012	0.00012	0.00012	0.00007	0.00010	0.00011	0.00012	0.00012
1	13	14	0.00011	0.00009	0.00011	0.00011	0.00012	0.00012	0.00012	0.00009	0.00011	0.00011	0.00012	0.00012
1	13	15	0.00011	0.00010	0.00012	0.00011	0.00012	0.00012	0.00012	0.00010	0.00012	0.00011	0.00012	0.00012
1	13	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00012	0.00014	0.00014	0.00011	0.00012	0.00012
1	13	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00012	0.00017	0.00016	0.00011	0.00014	0.00012
1	13	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	13	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	13	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00014	0.00025	0.00020	0.00013	0.00015	0.00013
1	13	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
1	13	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00013	0.00023	0.00017	0.00012	0.00016	0.00011
1	13	23	0.00012	0.00022	0.00015	0.00012	0.00017	0.00010	0.00011	0.00022	0.00015	0.00012	0.00017	0.00010
1	13	24	0.00011	0.00018	0.00012	0.00011	0.00018	0.00009	0.00011	0.00018	0.00012	0.00011	0.00018	0.00009
1	14	1	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
1	14	2	0.00010	0.00010	0.00007	0.00010	0.00019	0.00009	0.00009	0.00010	0.00007	0.00010	0.00019	0.00009
1	14	3	0.00010	0.00007	0.00005	0.00010	0.00019	0.00009	0.00009	0.00007	0.00005	0.00010	0.00019	0.00009
1	14	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
1	14	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	14	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
1	14	7	0.00010	0.00001	0.00004	0.00010	0.00022	0.00011	0.00011	0.00001	0.00004	0.00010	0.00022	0.00011
1	14	8	0.00010	0.00002	0.00008	0.00010	0.00022	0.00012	0.00012	0.00002	0.00008	0.00010	0.00022	0.00012
1	14	9	0.00011	0.00003	0.00013	0.00011	0.00020	0.00012	0.00012	0.00003	0.00013	0.00011	0.00020	0.00012
1	14	10	0.00011	0.00003	0.00013	0.00011	0.00018	0.00012	0.00012	0.00003	0.00013	0.00011	0.00018	0.00012
1	14	11	0.00011	0.00004	0.00011	0.00011	0.00015	0.00012	0.00012	0.00004	0.00011	0.00011	0.00015	0.00012
1	14	12	0.00011	0.00005	0.00010	0.00011	0.00013	0.00012	0.00012	0.00005	0.00010	0.00011	0.00013	0.00012
1	14	13	0.00011	0.00007	0.00010	0.00011	0.00012	0.00012	0.00012	0.00007	0.00010	0.00011	0.00012	0.00012
1	14	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012
1	14	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00011	0.00010	0.00012	0.00010	0.00012	0.00012
1	14	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00011	0.00014	0.00014	0.00010	0.00012	0.00012
1	14	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00012	0.00017	0.00016	0.00011	0.00014	0.00012
1	14	18	0.00012	0.00021	0.00019	0.00012	0.00014	0.00013	0.00013	0.00021	0.00019	0.00012	0.00014	0.00013
1	14	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	14	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
1	14	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
1	14	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
1	14	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	14	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	15	1	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
1	15	2	0.00010	0.00010	0.00007	0.00010	0.00019	0.00009	0.00009	0.00010	0.00007	0.00010	0.00019	0.00009
1	15	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
1	15	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
1	15	5	0.00010	0.00003	0.00002	0.00010	0.00020	0.00009	0.00009	0.00003	0.00002	0.00010	0.00020	0.00009
1	15	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
1	15	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
1	15	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
1	15	9	0.00013	0.00003	0.00013	0.00013	0.00020	0.00012	0.00012	0.00003	0.00013	0.00013	0.00020	0.00012
1	15	10	0.00013	0.00003	0.00013	0.00013	0.00018	0.00012	0.00012	0.00003	0.00013	0.00013	0.00018	0.00012
1	15	11	0.00013	0.00004	0.00011	0.00013	0.00015	0.00012	0.00012	0.00004	0.00011	0.00013	0.00015	0.00012
1	15	12	0.00013	0.00005	0.00010	0.00013	0.00013	0.00012	0.00012	0.00005	0.00010	0.00013	0.00013	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	15	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	15	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	15	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
1	15	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00011	0.00014	0.00014	0.00012	0.00012	0.00012
1	15	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
1	15	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	15	19	0.00014	0.00024	0.00020	0.00014	0.00015	0.00013	0.00013	0.00024	0.00020	0.00014	0.00015	0.00013
1	15	20	0.00014	0.00025	0.00020	0.00014	0.00015	0.00013	0.00013	0.00025	0.00020	0.00014	0.00015	0.00013
1	15	21	0.00014	0.00024	0.00018	0.00014	0.00015	0.00012	0.00013	0.00024	0.00018	0.00014	0.00015	0.00012
1	15	22	0.00013	0.00023	0.00017	0.00013	0.00016	0.00011	0.00012	0.00023	0.00017	0.00013	0.00016	0.00011
1	15	23	0.00012	0.00022	0.00015	0.00012	0.00017	0.00010	0.00011	0.00022	0.00015	0.00012	0.00017	0.00010
1	15	24	0.00011	0.00018	0.00012	0.00011	0.00018	0.00009	0.00011	0.00018	0.00012	0.00011	0.00018	0.00009
1	16	1	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009	0.00009	0.00014	0.00009	0.00010	0.00018	0.00009
1	16	2	0.00010	0.00010	0.00007	0.00010	0.00019	0.00009	0.00009	0.00010	0.00007	0.00010	0.00019	0.00009
1	16	3	0.00010	0.00007	0.00005	0.00010	0.00019	0.00009	0.00009	0.00007	0.00005	0.00010	0.00019	0.00009
1	16	4	0.00010	0.00005	0.00003	0.00010	0.00020	0.00009	0.00008	0.00005	0.00003	0.00010	0.00020	0.00009
1	16	5	0.00010	0.00003	0.00002	0.00010	0.00020	0.00009	0.00008	0.00003	0.00002	0.00010	0.00020	0.00009
1	16	6	0.00011	0.00002	0.00002	0.00011	0.00021	0.00010	0.00009	0.00002	0.00002	0.00011	0.00021	0.00010
1	16	7	0.00012	0.00001	0.00004	0.00012	0.00022	0.00011	0.00009	0.00001	0.00004	0.00012	0.00022	0.00011
1	16	8	0.00013	0.00002	0.00008	0.00013	0.00022	0.00012	0.00010	0.00002	0.00008	0.00013	0.00022	0.00012
1	16	9	0.00013	0.00003	0.00013	0.00013	0.00020	0.00012	0.00010	0.00003	0.00013	0.00013	0.00020	0.00012
1	16	10	0.00013	0.00003	0.00013	0.00013	0.00018	0.00012	0.00011	0.00003	0.00013	0.00013	0.00018	0.00012
1	16	11	0.00013	0.00004	0.00011	0.00013	0.00015	0.00012	0.00011	0.00004	0.00011	0.00013	0.00015	0.00012
1	16	12	0.00013	0.00005	0.00010	0.00013	0.00013	0.00012	0.00011	0.00005	0.00010	0.00013	0.00013	0.00012
1	16	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
1	16	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
1	16	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00010	0.00010	0.00012	0.00012	0.00012	0.00012
1	16	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00010	0.00014	0.00014	0.00012	0.00012	0.00012
1	16	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00010	0.00017	0.00016	0.00012	0.00014	0.00012
1	16	18	0.00014	0.00021	0.00019	0.00014	0.00014	0.00013	0.00012	0.00021	0.00019	0.00014	0.00014	0.00013
1	16	19	0.00014	0.00024	0.00020	0.00014	0.00015	0.00013	0.00012	0.00024	0.00020	0.00014	0.00015	0.00013
1	16	20	0.00014	0.00025	0.00020	0.00014	0.00015	0.00013	0.00012	0.00025	0.00020	0.00014	0.00015	0.00013
1	16	21	0.00014	0.00024	0.00018	0.00014	0.00015	0.00012	0.00012	0.00024	0.00018	0.00014	0.00015	0.00012
1	16	22	0.00013	0.00023	0.00017	0.00013	0.00016	0.00011	0.00011	0.00023	0.00017	0.00013	0.00016	0.00011
1	16	23	0.00012	0.00022	0.00015	0.00012	0.00017	0.00010	0.00011	0.00022	0.00015	0.00012	0.00017	0.00010
1	16	24	0.00011	0.00018	0.00012	0.00011	0.00018	0.00009	0.00010	0.00018	0.00012	0.00011	0.00018	0.00009
1	17	1	0.00010	0.00014	0.00009	0.00010	0.00018	0.00009	0.00009	0.00014	0.00009	0.00010	0.00018	0.00009
1	17	2	0.00010	0.00010	0.00007	0.00010	0.00019	0.00009	0.00009	0.00010	0.00007	0.00010	0.00019	0.00009
1	17	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
1	17	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
1	17	5	0.00010	0.00003	0.00002	0.00010	0.00020	0.00009	0.00008	0.00003	0.00002	0.00010	0.00020	0.00009
1	17	6	0.00011	0.00002	0.00002	0.00011	0.00021	0.00010	0.00008	0.00002	0.00002	0.00011	0.00021	0.00010
1	17	7	0.00012	0.00001	0.00004	0.00012	0.00022	0.00011	0.00009	0.00001	0.00004	0.00012	0.00022	0.00011
1	17	8	0.00013	0.00002	0.00008	0.00013	0.00022	0.00012	0.00009	0.00002	0.00008	0.00013	0.00022	0.00012
1	17	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00009	0.00003	0.00013	0.00012	0.00020	0.00012
1	17	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00010	0.00003	0.00013	0.00012	0.00018	0.00012
1	17	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00010	0.00004	0.00011	0.00012	0.00015	0.00012
1	17	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00010	0.00005	0.00010	0.00012	0.00013	0.00012
1	17	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
1	17	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
1	17	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00010	0.00010	0.00012	0.00012	0.00012	0.00012
1	17	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00010	0.00014	0.00014	0.00012	0.00012	0.00012
1	17	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00010	0.00017	0.00016	0.00012	0.00014	0.00012
1	17	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00012	0.00021	0.00019	0.00013	0.00014	0.00013
1	17	19	0.00014	0.00024	0.00020	0.00014	0.00015	0.00013	0.00012	0.00024	0.00020	0.00014	0.00015	0.00013
1	17	20	0.00014	0.00025	0.00020	0.00014	0.00015	0.00013	0.00012	0.00025	0.00020	0.00014	0.00015	0.00013
1	17	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
1	17	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00011	0.00023	0.00017	0.00012	0.00016	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
1	17	23
1	17	24
1	18	1
1	18	2
1	18	3
1	18	4
1	18	5
1	18	6
1	18	7
1	18	8
1	18	9
1	18	10
1	18	11
1	18	12
1	18	13
1	18	14
1	18	15
1	18	16
1	18	17
1	18	18
1	18	19
1	18	20
1	18	21
1	18	22
1	18	23
1	18	24
1	19	1
1	19	2
1	19	3
1	19	4
1	19	5
1	19	6
1	19	7
1	19	8
1	19	9
1	19	10
1	19	11
1	19	12
1	19	13
1	19	14
1	19	15
1	19	16
1	19	17
1	19	18
1	19	19
1	19	20
1	19	21
1	19	22
1	19	23
1	19	24
1	20	1
1	20	2
1	20	3
1	20	4
1	20	5
1	20	6
1	20	7
1	20	8

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00011	0.00018	0.00009
0.00010	0.00014	0.00009	0.00010	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00012	0.00001	0.00004	0.00012	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
0.00012	0.00021	0.00019	0.00012	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
0.00010	0.00001	0.00004	0.00010	0.00022	0.00011
0.00010	0.00002	0.00008	0.00010	0.00022	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00011	0.00018	0.00009
0.00009	0.00014	0.00009	0.00010	0.00018	0.00009
0.00008	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00010	0.00001	0.00004	0.00012	0.00022	0.00011
0.00011	0.00002	0.00008	0.00012	0.00022	0.00012
0.00011	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00011	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00011	0.00002	0.00008	0.00012	0.00022	0.00012
0.00011	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00011	0.00012	0.00012
0.00012	0.00017	0.00016	0.00011	0.00014	0.00012
0.00013	0.00021	0.00019	0.00012	0.00014	0.00013
0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
0.00010	0.00001	0.00004	0.00010	0.00022	0.00011
0.00011	0.00002	0.00008	0.00010	0.00022	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	20	9	0.00010	0.00003	0.00013	0.00010	0.00020	0.00012	0.00011	0.00003	0.00013	0.00010	0.00020	0.00012
1	20	10	0.00011	0.00003	0.00013	0.00011	0.00018	0.00012	0.00012	0.00003	0.00013	0.00011	0.00018	0.00012
1	20	11	0.00011	0.00004	0.00011	0.00011	0.00015	0.00012	0.00012	0.00004	0.00011	0.00011	0.00015	0.00012
1	20	12	0.00011	0.00005	0.00010	0.00011	0.00013	0.00012	0.00012	0.00005	0.00010	0.00011	0.00013	0.00012
1	20	13	0.00010	0.00007	0.00010	0.00010	0.00012	0.00012	0.00012	0.00007	0.00010	0.00010	0.00012	0.00012
1	20	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012
1	20	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00011	0.00010	0.00012	0.00010	0.00012	0.00012
1	20	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00011	0.00014	0.00014	0.00010	0.00012	0.00012
1	20	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00012	0.00017	0.00016	0.00010	0.00014	0.00012
1	20	18	0.00011	0.00021	0.00019	0.00011	0.00014	0.00013	0.00013	0.00021	0.00019	0.00011	0.00014	0.00013
1	20	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00013	0.00024	0.00020	0.00012	0.00015	0.00013
1	20	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00013	0.00025	0.00020	0.00012	0.00015	0.00013
1	20	21	0.00011	0.00024	0.00018	0.00011	0.00015	0.00012	0.00013	0.00024	0.00018	0.00011	0.00015	0.00012
1	20	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00012	0.00023	0.00017	0.00011	0.00016	0.00011
1	20	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00011	0.00022	0.00015	0.00010	0.00017	0.00010
1	20	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	21	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	21	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	21	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
1	21	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
1	21	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	21	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
1	21	7	0.00009	0.00001	0.00004	0.00009	0.00022	0.00011	0.00011	0.00001	0.00004	0.00009	0.00022	0.00011
1	21	8	0.00009	0.00002	0.00008	0.00009	0.00022	0.00012	0.00011	0.00002	0.00008	0.00009	0.00022	0.00012
1	21	9	0.00010	0.00003	0.00013	0.00010	0.00020	0.00012	0.00012	0.00003	0.00013	0.00010	0.00020	0.00012
1	21	10	0.00010	0.00003	0.00013	0.00010	0.00018	0.00012	0.00012	0.00003	0.00013	0.00010	0.00018	0.00012
1	21	11	0.00010	0.00004	0.00011	0.00010	0.00015	0.00012	0.00012	0.00004	0.00011	0.00010	0.00015	0.00012
1	21	12	0.00010	0.00005	0.00010	0.00010	0.00013	0.00012	0.00012	0.00005	0.00010	0.00010	0.00013	0.00012
1	21	13	0.00010	0.00007	0.00010	0.00010	0.00012	0.00012	0.00012	0.00007	0.00010	0.00010	0.00012	0.00012
1	21	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012
1	21	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00012	0.00010	0.00012	0.00010	0.00012	0.00012
1	21	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00011	0.00014	0.00014	0.00010	0.00012	0.00012
1	21	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00012	0.00017	0.00016	0.00010	0.00014	0.00012
1	21	18	0.00011	0.00021	0.00019	0.00011	0.00014	0.00013	0.00013	0.00021	0.00019	0.00011	0.00014	0.00013
1	21	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00013	0.00024	0.00020	0.00012	0.00015	0.00013
1	21	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00013	0.00025	0.00020	0.00012	0.00015	0.00013
1	21	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
1	21	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00012	0.00023	0.00017	0.00011	0.00016	0.00011
1	21	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00011	0.00022	0.00015	0.00010	0.00017	0.00010
1	21	24	0.00009	0.00018	0.00012	0.00009	0.00018	0.00009	0.00011	0.00018	0.00012	0.00009	0.00018	0.00009
1	22	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	22	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	22	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
1	22	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
1	22	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	22	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
1	22	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
1	22	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00011	0.00002	0.00008	0.00012	0.00022	0.00012
1	22	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
1	22	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
1	22	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	22	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	22	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	22	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	22	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00011	0.00010	0.00012	0.00012	0.00012	0.00012
1	22	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
1	22	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
1	22	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
1	22	19
1	22	20
1	22	21
1	22	22
1	22	23
1	22	24
1	23	1
1	23	2
1	23	3
1	23	4
1	23	5
1	23	6
1	23	7
1	23	8
1	23	9
1	23	10
1	23	11
1	23	12
1	23	13
1	23	14
1	23	15
1	23	16
1	23	17
1	23	18
1	23	19
1	23	20
1	23	21
1	23	22
1	23	23
1	23	24
1	24	1
1	24	2
1	24	3
1	24	4
1	24	5
1	24	6
1	24	7
1	24	8
1	24	9
1	24	10
1	24	11
1	24	12
1	24	13
1	24	14
1	24	15
1	24	16
1	24	17
1	24	18
1	24	19
1	24	20
1	24	21
1	24	22
1	24	23
1	24	24
1	25	1
1	25	2
1	25	3
1	25	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00011	0.00010	0.00012	0.00011	0.00012	0.00012
0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
0.00012	0.00001	0.00004	0.00012	0.00022	0.00011
0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
0.00009	0.00005	0.00003	0.00009	0.00020	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00009	0.00001	0.00004	0.00011	0.00022	0.00011
0.00010	0.00002	0.00008	0.00012	0.00022	0.00012
0.00010	0.00003	0.00013	0.00012	0.00020	0.00012
0.00011	0.00003	0.00013	0.00012	0.00018	0.00012
0.00011	0.00004	0.00011	0.00012	0.00015	0.00012
0.00011	0.00005	0.00010	0.00012	0.00013	0.00012
0.00011	0.00007	0.00010	0.00012	0.00012	0.00012
0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
0.00010	0.00010	0.00012	0.00011	0.00012	0.00012
0.00010	0.00014	0.00014	0.00011	0.00012	0.00012
0.00011	0.00017	0.00016	0.00011	0.00014	0.00012
0.00012	0.00021	0.00019	0.00013	0.00014	0.00013
0.00012	0.00024	0.00020	0.00013	0.00015	0.00013
0.00012	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
0.00011	0.00023	0.00017	0.00012	0.00016	0.00011
0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00010	0.00021	0.00010
0.00009	0.00001	0.00004	0.00011	0.00022	0.00011
0.00009	0.00002	0.00008	0.00012	0.00022	0.00012
0.00010	0.00003	0.00013	0.00012	0.00020	0.00012
0.00010	0.00003	0.00013	0.00012	0.00018	0.00012
0.00010	0.00004	0.00011	0.00012	0.00015	0.00012
0.00010	0.00005	0.00010	0.00012	0.00013	0.00012
0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
0.00010	0.00010	0.00012	0.00012	0.00012	0.00012
0.00010	0.00014	0.00014	0.00012	0.00012	0.00012
0.00010	0.00017	0.00016	0.00012	0.00014	0.00012
0.00012	0.00021	0.00019	0.00013	0.00014	0.00013
0.00012	0.00024	0.00020	0.00013	0.00015	0.00013
0.00012	0.00025	0.00020	0.00013	0.00015	0.00013
0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
0.00011	0.00023	0.00017	0.00012	0.00016	0.00011
0.00010	0.00022	0.00015	0.00011	0.00017	0.00010
0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
0.00008	0.00005	0.00003	0.00009	0.00020	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	25	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	25	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
1	25	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
1	25	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
1	25	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
1	25	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
1	25	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	25	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	25	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	25	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	25	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
1	25	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
1	25	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
1	25	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	25	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	25	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00014	0.00025	0.00020	0.00013	0.00015	0.00013
1	25	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012
1	25	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
1	25	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	25	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	26	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	26	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	26	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
1	26	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
1	26	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	26	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010
1	26	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
1	26	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012
1	26	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012
1	26	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012
1	26	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	26	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	26	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	26	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	26	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012
1	26	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012
1	26	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012
1	26	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013
1	26	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00014	0.00024	0.00020	0.00013	0.00015	0.00013
1	26	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013
1	26	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
1	26	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011
1	26	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	26	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	27	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	27	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	27	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009
1	27	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009
1	27	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	27	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00010	0.00002	0.00002	0.00009	0.00021	0.00010
1	27	7	0.00009	0.00001	0.00004	0.00009	0.00022	0.00011	0.00011	0.00001	0.00004	0.00009	0.00022	0.00011
1	27	8	0.00010	0.00002	0.00008	0.00010	0.00022	0.00012	0.00012	0.00002	0.00008	0.00010	0.00022	0.00012
1	27	9	0.00010	0.00003	0.00013	0.00010	0.00020	0.00012	0.00012	0.00003	0.00013	0.00010	0.00020	0.00012
1	27	10	0.00011	0.00003	0.00013	0.00011	0.00018	0.00012	0.00012	0.00003	0.00013	0.00011	0.00018	0.00012
1	27	11	0.00011	0.00004	0.00011	0.00011	0.00015	0.00012	0.00012	0.00004	0.00011	0.00011	0.00015	0.00012
1	27	12	0.00011	0.00005	0.00010	0.00011	0.00013	0.00012	0.00012	0.00005	0.00010	0.00011	0.00013	0.00012
1	27	13	0.00011	0.00007	0.00010	0.00011	0.00012	0.00012	0.00012	0.00007	0.00010	0.00011	0.00012	0.00012
1	27	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	27	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00012	0.00010	0.00012	0.00010	0.00012	0.00012
1	27	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00012	0.00014	0.00014	0.00010	0.00012	0.00012
1	27	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00012	0.00017	0.00016	0.00010	0.00014	0.00012
1	27	18	0.00012	0.00021	0.00019	0.00012	0.00014	0.00013	0.00013	0.00021	0.00019	0.00012	0.00014	0.00013
1	27	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00014	0.00024	0.00020	0.00012	0.00015	0.00013
1	27	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00013	0.00025	0.00020	0.00012	0.00015	0.00013
1	27	21	0.00011	0.00024	0.00018	0.00011	0.00015	0.00012	0.00013	0.00024	0.00018	0.00011	0.00015	0.00012
1	27	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00012	0.00023	0.00017	0.00011	0.00016	0.00011
1	27	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00011	0.00022	0.00015	0.00010	0.00017	0.00010
1	27	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009
1	28	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00010	0.00014	0.00009	0.00009	0.00018	0.00009
1	28	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009
1	28	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00009	0.00007	0.00005	0.00008	0.00019	0.00009
1	28	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00009	0.00005	0.00003	0.00008	0.00020	0.00009
1	28	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00009	0.00009	0.00003	0.00002	0.00008	0.00020	0.00009
1	28	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00010	0.00002	0.00002	0.00009	0.00021	0.00010
1	28	7	0.00009	0.00001	0.00004	0.00009	0.00022	0.00011	0.00011	0.00001	0.00004	0.00009	0.00022	0.00011
1	28	8	0.00009	0.00002	0.00008	0.00009	0.00022	0.00012	0.00012	0.00002	0.00008	0.00009	0.00022	0.00012
1	28	9	0.00010	0.00003	0.00013	0.00010	0.00020	0.00012	0.00012	0.00003	0.00013	0.00010	0.00020	0.00012
1	28	10	0.00010	0.00003	0.00013	0.00010	0.00018	0.00012	0.00012	0.00003	0.00013	0.00010	0.00018	0.00012
1	28	11	0.00010	0.00004	0.00011	0.00010	0.00015	0.00012	0.00012	0.00004	0.00011	0.00010	0.00015	0.00012
1	28	12	0.00010	0.00005	0.00010	0.00010	0.00013	0.00012	0.00012	0.00005	0.00010	0.00010	0.00013	0.00012
1	28	13	0.00010	0.00007	0.00010	0.00010	0.00012	0.00012	0.00012	0.00007	0.00010	0.00010	0.00012	0.00012
1	28	14	0.00010	0.00009	0.00011	0.00010	0.00012	0.00012	0.00012	0.00009	0.00011	0.00010	0.00012	0.00012
1	28	15	0.00010	0.00010	0.00012	0.00010	0.00012	0.00012	0.00012	0.00010	0.00012	0.00010	0.00012	0.00012
1	28	16	0.00010	0.00014	0.00014	0.00010	0.00012	0.00012	0.00012	0.00014	0.00014	0.00010	0.00012	0.00012
1	28	17	0.00010	0.00017	0.00016	0.00010	0.00014	0.00012	0.00012	0.00017	0.00016	0.00010	0.00014	0.00012
1	28	18	0.00011	0.00021	0.00019	0.00012	0.00014	0.00013	0.00013	0.00021	0.00019	0.00011	0.00014	0.00013
1	28	19	0.00012	0.00024	0.00020	0.00012	0.00015	0.00013	0.00014	0.00024	0.00020	0.00012	0.00015	0.00013
1	28	20	0.00012	0.00025	0.00020	0.00012	0.00015	0.00013	0.00013	0.00025	0.00020	0.00012	0.00015	0.00013
1	28	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00013	0.00024	0.00018	0.00012	0.00015	0.00012
1	28	22	0.00011	0.00023	0.00017	0.00011	0.00016	0.00011	0.00012	0.00023	0.00017	0.00011	0.00016	0.00011
1	28	23	0.00010	0.00022	0.00015	0.00010	0.00017	0.00010	0.00011	0.00022	0.00015	0.00010	0.00017	0.00010
1	28	24	0.00009	0.00018	0.00012	0.00009	0.00018	0.00009	0.00011	0.00018	0.00012	0.00009	0.00018	0.00009
1	29	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	29	2	0.00008	0.00010	0.00007	0.00008	0.00019	0.00009	0.00009	0.00010	0.00007	0.00008	0.00019	0.00009
1	29	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
1	29	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
1	29	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009
1	29	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010
1	29	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011
1	29	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00011	0.00002	0.00008	0.00012	0.00022	0.00012
1	29	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00011	0.00003	0.00013	0.00012	0.00020	0.00012
1	29	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00011	0.00003	0.00013	0.00012	0.00018	0.00012
1	29	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012
1	29	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012
1	29	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012
1	29	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012
1	29	15	0.00011	0.00010	0.00012	0.00011	0.00012	0.00012	0.00011	0.00010	0.00012	0.00011	0.00012	0.00012
1	29	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012
1	29	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00011	0.00017	0.00016	0.00012	0.00014	0.00012
1	29	18	0.00012	0.00021	0.00019	0.00012	0.00014	0.00013	0.00012	0.00021	0.00019	0.00012	0.00014	0.00013
1	29	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013
1	29	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00012	0.00025	0.00020	0.00013	0.00015	0.00013
1	29	21	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012	0.00012	0.00024	0.00018	0.00012	0.00015	0.00012
1	29	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00011	0.00023	0.00017	0.00012	0.00016	0.00011
1	29	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	29	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00011	0.00018	0.00012	0.00010	0.00018	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
1	30	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	30	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00008	0.00010	0.00007	0.00009	0.00019	0.00009
1	30	3	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009	0.00008	0.00007	0.00005	0.00008	0.00019	0.00009
1	30	4	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009	0.00008	0.00005	0.00003	0.00008	0.00020	0.00009
1	30	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
1	30	6	0.00009	0.00002	0.00002	0.00009	0.00021	0.00010	0.00008	0.00002	0.00002	0.00009	0.00021	0.00010
1	30	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00009	0.00001	0.00004	0.00011	0.00022	0.00011
1	30	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00009	0.00002	0.00008	0.00012	0.00022	0.00012
1	30	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00010	0.00003	0.00013	0.00012	0.00020	0.00012
1	30	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00010	0.00003	0.00013	0.00012	0.00018	0.00012
1	30	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00011	0.00004	0.00011	0.00012	0.00015	0.00012
1	30	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00011	0.00005	0.00010	0.00012	0.00013	0.00012
1	30	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
1	30	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
1	30	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00010	0.00010	0.00012	0.00012	0.00012	0.00012
1	30	16	0.00012	0.00014	0.00014	0.00012	0.00012	0.00012	0.00010	0.00014	0.00014	0.00012	0.00012	0.00012
1	30	17	0.00012	0.00017	0.00016	0.00012	0.00014	0.00012	0.00010	0.00017	0.00016	0.00012	0.00014	0.00012
1	30	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00011	0.00021	0.00019	0.00013	0.00014	0.00013
1	30	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00012	0.00024	0.00020	0.00013	0.00015	0.00013
1	30	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00012	0.00025	0.00020	0.00013	0.00015	0.00013
1	30	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
1	30	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00011	0.00023	0.00017	0.00012	0.00016	0.00011
1	30	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00010	0.00022	0.00015	0.00011	0.00017	0.00010
1	30	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
1	31	1	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009	0.00009	0.00014	0.00009	0.00009	0.00018	0.00009
1	31	2	0.00009	0.00010	0.00007	0.00009	0.00019	0.00009	0.00008	0.00010	0.00007	0.00009	0.00019	0.00009
1	31	3	0.00009	0.00007	0.00005	0.00009	0.00019	0.00009	0.00008	0.00007	0.00005	0.00009	0.00019	0.00009
1	31	4	0.00009	0.00005	0.00003	0.00009	0.00020	0.00009	0.00008	0.00005	0.00003	0.00009	0.00020	0.00009
1	31	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00009	0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
1	31	6	0.00010	0.00002	0.00002	0.00010	0.00021	0.00010	0.00008	0.00002	0.00002	0.00010	0.00021	0.00010
1	31	7	0.00011	0.00001	0.00004	0.00011	0.00022	0.00011	0.00008	0.00001	0.00004	0.00011	0.00022	0.00011
1	31	8	0.00012	0.00002	0.00008	0.00012	0.00022	0.00012	0.00009	0.00002	0.00008	0.00012	0.00022	0.00012
1	31	9	0.00012	0.00003	0.00013	0.00012	0.00020	0.00012	0.00009	0.00003	0.00013	0.00012	0.00020	0.00012
1	31	10	0.00012	0.00003	0.00013	0.00012	0.00018	0.00012	0.00010	0.00003	0.00013	0.00012	0.00018	0.00012
1	31	11	0.00012	0.00004	0.00011	0.00012	0.00015	0.00012	0.00010	0.00004	0.00011	0.00012	0.00015	0.00012
1	31	12	0.00012	0.00005	0.00010	0.00012	0.00013	0.00012	0.00010	0.00005	0.00010	0.00012	0.00013	0.00012
1	31	13	0.00012	0.00007	0.00010	0.00012	0.00012	0.00012	0.00010	0.00007	0.00010	0.00012	0.00012	0.00012
1	31	14	0.00012	0.00009	0.00011	0.00012	0.00012	0.00012	0.00010	0.00009	0.00011	0.00012	0.00012	0.00012
1	31	15	0.00012	0.00010	0.00012	0.00012	0.00012	0.00012	0.00009	0.00010	0.00012	0.00012	0.00012	0.00012
1	31	16	0.00011	0.00014	0.00014	0.00011	0.00012	0.00012	0.00009	0.00014	0.00014	0.00011	0.00012	0.00012
1	31	17	0.00011	0.00017	0.00016	0.00011	0.00014	0.00012	0.00010	0.00017	0.00016	0.00011	0.00014	0.00012
1	31	18	0.00013	0.00021	0.00019	0.00013	0.00014	0.00013	0.00011	0.00021	0.00019	0.00013	0.00014	0.00013
1	31	19	0.00013	0.00024	0.00020	0.00013	0.00015	0.00013	0.00012	0.00024	0.00020	0.00013	0.00015	0.00013
1	31	20	0.00013	0.00025	0.00020	0.00013	0.00015	0.00013	0.00012	0.00025	0.00020	0.00013	0.00015	0.00013
1	31	21	0.00013	0.00024	0.00018	0.00013	0.00015	0.00012	0.00012	0.00024	0.00018	0.00013	0.00015	0.00012
1	31	22	0.00012	0.00023	0.00017	0.00012	0.00016	0.00011	0.00011	0.00023	0.00017	0.00012	0.00016	0.00011
1	31	23	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010	0.00011	0.00022	0.00015	0.00011	0.00017	0.00010
1	31	24	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009	0.00010	0.00018	0.00012	0.00010	0.00018	0.00009
2	1	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	1	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
2	1	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	1	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
2	1	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
2	1	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
2	1	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011
2	1	8	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012
2	1	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012
2	1	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	1	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	1	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	1	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	1	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
2	1	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
2	1	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00011	0.00013	0.00014	0.00012	0.00011	0.00012
2	1	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
2	1	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
2	1	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00014	0.00025	0.00021	0.00013	0.00013	0.00012
2	1	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00014	0.00025	0.00020	0.00013	0.00013	0.00012
2	1	21	0.00013	0.00025	0.00018	0.00013	0.00013	0.00012	0.00014	0.00025	0.00018	0.00013	0.00013	0.00012
2	1	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00013	0.00023	0.00017	0.00012	0.00013	0.00011
2	1	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00012	0.00022	0.00015	0.00011	0.00014	0.00010
2	1	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	2	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00010	0.00014	0.00009	0.00009	0.00016	0.00009
2	2	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
2	2	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
2	2	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008
2	2	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
2	2	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
2	2	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00012	0.00001	0.00004	0.00011	0.00020	0.00011
2	2	8	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012
2	2	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012
2	2	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
2	2	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	2	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	2	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	2	14	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012
2	2	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
2	2	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
2	2	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
2	2	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
2	2	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00014	0.00025	0.00021	0.00013	0.00013	0.00012
2	2	20	0.00012	0.00025	0.00020	0.00012	0.00013	0.00012	0.00014	0.00025	0.00020	0.00012	0.00013	0.00012
2	2	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00013	0.00025	0.00018	0.00012	0.00013	0.00012
2	2	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00013	0.00023	0.00017	0.00011	0.00013	0.00011
2	2	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
2	2	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	3	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00010	0.00014	0.00009	0.00009	0.00016	0.00009
2	3	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
2	3	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
2	3	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00009	0.00005	0.00003	0.00008	0.00018	0.00008
2	3	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
2	3	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
2	3	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00011	0.00011	0.00001	0.00004	0.00009	0.00020	0.00011
2	3	8	0.00009	0.00001	0.00009	0.00009	0.00019	0.00012	0.00012	0.00001	0.00009	0.00009	0.00019	0.00012
2	3	9	0.00010	0.00003	0.00014	0.00010	0.00018	0.00012	0.00012	0.00003	0.00014	0.00010	0.00018	0.00012
2	3	10	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00012	0.00003	0.00014	0.00010	0.00015	0.00012
2	3	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
2	3	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
2	3	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
2	3	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
2	3	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012
2	3	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
2	3	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00011	0.00017	0.00016	0.00010	0.00012	0.00012
2	3	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00012	0.00021	0.00019	0.00011	0.00012	0.00012
2	3	19	0.00012	0.00025	0.00021	0.00012	0.00013	0.00012	0.00013	0.00025	0.00021	0.00012	0.00013	0.00012
2	3	20	0.00011	0.00025	0.00020	0.00011	0.00013	0.00012	0.00013	0.00025	0.00020	0.00011	0.00013	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	3	21	0.00011	0.00025	0.00018	0.00011	0.00013	0.00012	0.00013	0.00025	0.00018	0.00011	0.00013	0.00012
2	3	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
2	3	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	3	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	4	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	4	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
2	4	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00009	0.00007	0.00005	0.00008	0.00018	0.00008
2	4	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00009	0.00005	0.00003	0.00008	0.00018	0.00008
2	4	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00009	0.00003	0.00002	0.00008	0.00019	0.00009
2	4	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00010	0.00002	0.00002	0.00008	0.00019	0.00010
2	4	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00011	0.00011	0.00001	0.00004	0.00009	0.00020	0.00011
2	4	8	0.00009	0.00001	0.00009	0.00009	0.00019	0.00012	0.00012	0.00001	0.00009	0.00009	0.00019	0.00012
2	4	9	0.00009	0.00003	0.00014	0.00009	0.00018	0.00012	0.00012	0.00003	0.00014	0.00009	0.00018	0.00012
2	4	10	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00012	0.00003	0.00014	0.00010	0.00015	0.00012
2	4	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
2	4	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
2	4	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00012	0.00007	0.00010	0.00010	0.00011	0.00012
2	4	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
2	4	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012
2	4	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
2	4	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00011	0.00017	0.00016	0.00010	0.00012	0.00012
2	4	18	0.00010	0.00021	0.00019	0.00010	0.00012	0.00012	0.00012	0.00021	0.00019	0.00010	0.00012	0.00012
2	4	19	0.00011	0.00025	0.00021	0.00011	0.00013	0.00012	0.00013	0.00025	0.00021	0.00011	0.00013	0.00012
2	4	20	0.00011	0.00025	0.00020	0.00011	0.00013	0.00012	0.00013	0.00025	0.00020	0.00011	0.00013	0.00012
2	4	21	0.00011	0.00025	0.00018	0.00011	0.00013	0.00012	0.00013	0.00025	0.00018	0.00011	0.00013	0.00012
2	4	22	0.00010	0.00023	0.00017	0.00010	0.00013	0.00011	0.00012	0.00023	0.00017	0.00010	0.00013	0.00011
2	4	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	4	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	5	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00009	0.00009	0.00014	0.00009	0.00008	0.00016	0.00009
2	5	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
2	5	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00009	0.00007	0.00005	0.00008	0.00018	0.00008
2	5	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	5	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00009	0.00003	0.00002	0.00008	0.00019	0.00009
2	5	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
2	5	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00011	0.00011	0.00001	0.00004	0.00010	0.00020	0.00011
2	5	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
2	5	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
2	5	10	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
2	5	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	5	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	5	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
2	5	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
2	5	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
2	5	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
2	5	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
2	5	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
2	5	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
2	5	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
2	5	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
2	5	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
2	5	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	5	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	6	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	6	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
2	6	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	6	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	6	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	6	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
2	6	7
2	6	8
2	6	9
2	6	10
2	6	11
2	6	12
2	6	13
2	6	14
2	6	15
2	6	16
2	6	17
2	6	18
2	6	19
2	6	20
2	6	21
2	6	22
2	6	23
2	6	24
2	7	1
2	7	2
2	7	3
2	7	4
2	7	5
2	7	6
2	7	7
2	7	8
2	7	9
2	7	10
2	7	11
2	7	12
2	7	13
2	7	14
2	7	15
2	7	16
2	7	17
2	7	18
2	7	19
2	7	20
2	7	21
2	7	22
2	7	23
2	7	24
2	8	1
2	8	2
2	8	3
2	8	4
2	8	5
2	8	6
2	8	7
2	8	8
2	8	9
2	8	10
2	8	11
2	8	12
2	8	13
2	8	14
2	8	15
2	8	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00012	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00009	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00010	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
0.00011	0.00013	0.00014	0.00012	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
0.00008	0.00001	0.00004	0.00010	0.00020	0.00011
0.00009	0.00001	0.00009	0.00011	0.00019	0.00012
0.00009	0.00003	0.00014	0.00011	0.00018	0.00012
0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
0.00010	0.00010	0.00012	0.00011	0.00010	0.00012
0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
0.00010	0.00017	0.00016	0.00011	0.00012	0.00012
0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00008	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00013	0.00014	0.00012	0.00011	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00001	0.00004	0.00011	0.00020	0.00011
0.00009	0.00001	0.00009	0.00011	0.00019	0.00012
0.00010	0.00003	0.00014	0.00011	0.00018	0.00012
0.00010	0.00003	0.00014	0.00012	0.00015	0.00012
0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
0.00010	0.00017	0.00016	0.00011	0.00012	0.00012
0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00012	0.00013	0.00012
0.00011	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00010	0.00018	0.00012	0.00009	0.00015	0.00009
0.00008	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
0.00008	0.00001	0.00004	0.00010	0.00020	0.00011
0.00009	0.00001	0.00009	0.00011	0.00019	0.00012
0.00009	0.00003	0.00014	0.00011	0.00018	0.00012
0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
0.00010	0.00010	0.00012	0.00011	0.00010	0.00012
0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
0.00010	0.00017	0.00016	0.00011	0.00012	0.00012
0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00008	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00013	0.00010	0.00012	0.00012	0.00010	0.00012
0.00013	0.00013	0.00014	0.00012	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
2	8	17
2	8	18
2	8	19
2	8	20
2	8	21
2	8	22
2	8	23
2	8	24
2	9	1
2	9	2
2	9	3
2	9	4
2	9	5
2	9	6
2	9	7
2	9	8
2	9	9
2	9	10
2	9	11
2	9	12
2	9	13
2	9	14
2	9	15
2	9	16
2	9	17
2	9	18
2	9	19
2	9	20
2	9	21
2	9	22
2	9	23
2	9	24
2	10	1
2	10	2
2	10	3
2	10	4
2	10	5
2	10	6
2	10	7
2	10	8
2	10	9
2	10	10
2	10	11
2	10	12
2	10	13
2	10	14
2	10	15
2	10	16
2	10	17
2	10	18
2	10	19
2	10	20
2	10	21
2	10	22
2	10	23
2	10	24
2	11	1
2	11	2

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00010	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00025	0.00021	0.00012	0.00013	0.00012
0.00012	0.00025	0.00020	0.00012	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00008	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00020	0.00011
0.00009	0.00001	0.00009	0.00009	0.00019	0.00012
0.00010	0.00003	0.00014	0.00010	0.00018	0.00012
0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
0.00010	0.00004	0.00011	0.00010	0.00013	0.00012
0.00010	0.00005	0.00010	0.00010	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012
0.00010	0.00017	0.00016	0.00010	0.00012	0.00012
0.00011	0.00021	0.00019	0.00011	0.00012	0.00012
0.00011	0.00025	0.00021	0.00011	0.00013	0.00012
0.00011	0.00025	0.00020	0.00011	0.00013	0.00012
0.00011	0.00025	0.00018	0.00011	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00009	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
0.00014	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00018	0.00012	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00010	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00013	0.00007	0.00010	0.00012	0.00011	0.00012
0.00013	0.00009	0.00011	0.00012	0.00011	0.00012
0.00013	0.00010	0.00012	0.00012	0.00012	0.00012
0.00013	0.00013	0.00014	0.00011	0.00011	0.00012
0.00013	0.00017	0.00016	0.00011	0.00012	0.00012
0.00014	0.00021	0.00019	0.00012	0.00012	0.00012
0.00014	0.00025	0.00021	0.00012	0.00013	0.00012
0.00013	0.00025	0.00020	0.00012	0.00013	0.00012
0.00013	0.00025	0.00018	0.00012	0.00013	0.00012
0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
0.00012	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
0.00010	0.00001	0.00004	0.00009	0.00020	0.00011
0.00011	0.00001	0.00009	0.00009	0.00019	0.00012
0.00011	0.00003	0.00014	0.00010	0.00018	0.00012
0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
0.00013	0.00007	0.00010	0.00010	0.00011	0.00012
0.00013	0.00009	0.00011	0.00010	0.00011	0.00012
0.00013	0.00010	0.00012	0.00010	0.00010	0.00012
0.00013	0.00013	0.00014	0.00010	0.00011	0.00012
0.00013	0.00017	0.00016	0.00010	0.00012	0.00012
0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
0.00014	0.00025	0.00021	0.00011	0.00013	0.00012
0.00013	0.00025	0.00020	0.00011	0.00013	0.00012
0.00013	0.00025	0.00018	0.00011	0.00013	0.00012
0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	11	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	11	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	11	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	11	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
2	11	7	0.00008	0.00001	0.00004	0.00008	0.00020	0.00011	0.00010	0.00001	0.00004	0.00008	0.00020	0.00011
2	11	8	0.00008	0.00001	0.00009	0.00008	0.00019	0.00012	0.00011	0.00001	0.00009	0.00008	0.00019	0.00012
2	11	9	0.00009	0.00003	0.00014	0.00009	0.00018	0.00012	0.00011	0.00003	0.00014	0.00009	0.00018	0.00012
2	11	10	0.00009	0.00003	0.00014	0.00009	0.00015	0.00012	0.00011	0.00003	0.00014	0.00009	0.00015	0.00012
2	11	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
2	11	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
2	11	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00012	0.00007	0.00010	0.00010	0.00011	0.00012
2	11	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00013	0.00009	0.00011	0.00010	0.00011	0.00012
2	11	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00013	0.00010	0.00012	0.00010	0.00010	0.00012
2	11	16	0.00009	0.00013	0.00014	0.00009	0.00011	0.00012	0.00013	0.00013	0.00014	0.00009	0.00011	0.00012
2	11	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00013	0.00017	0.00016	0.00010	0.00012	0.00012
2	11	18	0.00010	0.00021	0.00019	0.00010	0.00012	0.00012	0.00013	0.00021	0.00019	0.00010	0.00012	0.00012
2	11	19	0.00012	0.00025	0.00021	0.00012	0.00013	0.00012	0.00013	0.00025	0.00021	0.00012	0.00013	0.00012
2	11	20	0.00012	0.00025	0.00020	0.00012	0.00013	0.00012	0.00013	0.00025	0.00020	0.00012	0.00013	0.00012
2	11	21	0.00011	0.00025	0.00018	0.00011	0.00013	0.00012	0.00012	0.00025	0.00018	0.00011	0.00013	0.00012
2	11	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
2	11	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	11	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	12	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00009	0.00009	0.00014	0.00009	0.00008	0.00016	0.00009
2	12	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
2	12	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	12	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	12	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	12	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
2	12	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00011	0.00010	0.00001	0.00004	0.00010	0.00020	0.00011
2	12	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00010	0.00001	0.00009	0.00011	0.00019	0.00012
2	12	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
2	12	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
2	12	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	12	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	12	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	12	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
2	12	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012
2	12	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00011	0.00011	0.00012
2	12	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00012	0.00017	0.00016	0.00011	0.00012	0.00012
2	12	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
2	12	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
2	12	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
2	12	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
2	12	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	12	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	12	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	13	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	13	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
2	13	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	13	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	13	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	13	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
2	13	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00008	0.00001	0.00004	0.00011	0.00020	0.00011
2	13	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00009	0.00001	0.00009	0.00011	0.00019	0.00012
2	13	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00009	0.00003	0.00014	0.00011	0.00018	0.00012
2	13	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00010	0.00003	0.00014	0.00012	0.00015	0.00012
2	13	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
2	13	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	13	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
2	13	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
2	13	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012
2	13	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
2	13	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00010	0.00017	0.00016	0.00011	0.00012	0.00012
2	13	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
2	13	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
2	13	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
2	13	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00011	0.00025	0.00018	0.00012	0.00013	0.00012
2	13	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	13	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	13	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
2	14	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	14	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	14	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	14	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	14	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	14	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
2	14	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00011	0.00008	0.00001	0.00004	0.00010	0.00020	0.00011
2	14	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00008	0.00001	0.00009	0.00011	0.00019	0.00012
2	14	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00009	0.00003	0.00014	0.00011	0.00018	0.00012
2	14	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
2	14	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00009	0.00004	0.00011	0.00012	0.00013	0.00012
2	14	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
2	14	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
2	14	14	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012	0.00010	0.00009	0.00011	0.00011	0.00011	0.00012
2	14	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012
2	14	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
2	14	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00010	0.00017	0.00016	0.00011	0.00012	0.00012
2	14	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
2	14	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
2	14	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
2	14	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00011	0.00025	0.00018	0.00012	0.00013	0.00012
2	14	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	14	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	14	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
2	15	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	15	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	15	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	15	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
2	15	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	15	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
2	15	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00009	0.00001	0.00004	0.00011	0.00020	0.00011
2	15	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00010	0.00001	0.00009	0.00011	0.00019	0.00012
2	15	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00010	0.00003	0.00014	0.00011	0.00018	0.00012
2	15	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
2	15	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	15	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	15	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	15	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00013	0.00009	0.00011	0.00012	0.00011	0.00012
2	15	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00013	0.00010	0.00012	0.00012	0.00010	0.00012
2	15	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00013	0.00013	0.00014	0.00011	0.00011	0.00012
2	15	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00013	0.00017	0.00016	0.00011	0.00012	0.00012
2	15	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
2	15	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00014	0.00025	0.00021	0.00013	0.00013	0.00012
2	15	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
2	15	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00013	0.00025	0.00018	0.00012	0.00013	0.00012
2	15	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	15	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
2	15	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	16	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	16	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	16	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	16	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	16	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	16	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
2	16	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
2	16	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
2	16	9	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012	0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
2	16	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
2	16	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	16	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00013	0.00005	0.00010	0.00012	0.00012	0.00012
2	16	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00013	0.00007	0.00010	0.00012	0.00011	0.00012
2	16	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00014	0.00009	0.00011	0.00012	0.00011	0.00012
2	16	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00014	0.00010	0.00012	0.00012	0.00010	0.00012
2	16	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00014	0.00013	0.00014	0.00012	0.00011	0.00012
2	16	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00014	0.00017	0.00016	0.00011	0.00012	0.00012
2	16	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00014	0.00021	0.00019	0.00012	0.00012	0.00012
2	16	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00014	0.00025	0.00021	0.00013	0.00013	0.00012
2	16	20	0.00012	0.00025	0.00020	0.00012	0.00013	0.00012	0.00014	0.00025	0.00020	0.00012	0.00013	0.00012
2	16	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00013	0.00025	0.00018	0.00012	0.00013	0.00012
2	16	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
2	16	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	16	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00012	0.00018	0.00012	0.00010	0.00015	0.00009
2	17	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	17	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	17	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	17	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	17	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	17	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
2	17	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00011	0.00010	0.00001	0.00004	0.00009	0.00020	0.00011
2	17	8	0.00009	0.00001	0.00009	0.00009	0.00019	0.00012	0.00010	0.00001	0.00009	0.00009	0.00019	0.00012
2	17	9	0.00010	0.00003	0.00014	0.00010	0.00018	0.00012	0.00011	0.00003	0.00014	0.00010	0.00018	0.00012
2	17	10	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
2	17	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
2	17	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00012	0.00005	0.00010	0.00011	0.00012	0.00012
2	17	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00012	0.00007	0.00010	0.00011	0.00011	0.00012
2	17	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00012	0.00009	0.00011	0.00010	0.00011	0.00012
2	17	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012
2	17	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014	0.00010	0.00011	0.00012
2	17	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
2	17	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
2	17	19	0.00012	0.00025	0.00021	0.00012	0.00013	0.00012	0.00013	0.00025	0.00021	0.00012	0.00013	0.00012
2	17	20	0.00011	0.00025	0.00020	0.00011	0.00013	0.00012	0.00013	0.00025	0.00020	0.00011	0.00013	0.00012
2	17	21	0.00011	0.00025	0.00018	0.00011	0.00013	0.00012	0.00012	0.00025	0.00018	0.00011	0.00013	0.00012
2	17	22	0.00010	0.00023	0.00017	0.00010	0.00013	0.00011	0.00012	0.00023	0.00017	0.00010	0.00013	0.00011
2	17	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
2	17	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	18	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	18	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
2	18	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	18	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	18	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	18	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
2	18	7	0.00008	0.00001	0.00004	0.00008	0.00020	0.00011	0.00010	0.00001	0.00004	0.00008	0.00020	0.00011
2	18	8	0.00009	0.00001	0.00009	0.00009	0.00019	0.00012	0.00011	0.00001	0.00009	0.00009	0.00019	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
2	18	9
2	18	10
2	18	11
2	18	12
2	18	13
2	18	14
2	18	15
2	18	16
2	18	17
2	18	18
2	18	19
2	18	20
2	18	21
2	18	22
2	18	23
2	18	24
2	19	1
2	19	2
2	19	3
2	19	4
2	19	5
2	19	6
2	19	7
2	19	8
2	19	9
2	19	10
2	19	11
2	19	12
2	19	13
2	19	14
2	19	15
2	19	16
2	19	17
2	19	18
2	19	19
2	19	20
2	19	21
2	19	22
2	19	23
2	19	24
2	20	1
2	20	2
2	20	3
2	20	4
2	20	5
2	20	6
2	20	7
2	20	8
2	20	9
2	20	10
2	20	11
2	20	12
2	20	13
2	20	14
2	20	15
2	20	16
2	20	17
2	20	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00003	0.00014	0.00009	0.00018	0.00012
0.00009	0.00003	0.00014	0.00009	0.00015	0.00012
0.00010	0.00004	0.00011	0.00010	0.00013	0.00012
0.00010	0.00005	0.00010	0.00010	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012
0.00010	0.00017	0.00016	0.00010	0.00012	0.00012
0.00010	0.00021	0.00019	0.00010	0.00012	0.00012
0.00011	0.00025	0.00021	0.00011	0.00013	0.00012
0.00011	0.00025	0.00020	0.00011	0.00013	0.00012
0.00011	0.00025	0.00018	0.00011	0.00013	0.00012
0.00010	0.00023	0.00017	0.00010	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00009	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00020	0.00011
0.00010	0.00001	0.00009	0.00010	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
0.00011	0.00004	0.00011	0.00011	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00011	0.00009	0.00011	0.00011	0.00011	0.00012
0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00011	0.00021	0.00019	0.00011	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00009	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00012	0.00003	0.00014	0.00012	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00003	0.00014	0.00009	0.00018	0.00012
0.00011	0.00003	0.00014	0.00009	0.00015	0.00012
0.00011	0.00004	0.00011	0.00010	0.00013	0.00012
0.00011	0.00005	0.00010	0.00010	0.00012	0.00012
0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
0.00011	0.00010	0.00012	0.00010	0.00010	0.00012
0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
0.00011	0.00017	0.00016	0.00010	0.00012	0.00012
0.00012	0.00021	0.00019	0.00010	0.00012	0.00012
0.00013	0.00025	0.00021	0.00011	0.00013	0.00012
0.00013	0.00025	0.00020	0.00011	0.00013	0.00012
0.00012	0.00025	0.00018	0.00011	0.00013	0.00012
0.00011	0.00023	0.00017	0.00010	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00020	0.00011
0.00010	0.00001	0.00009	0.00010	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00018	0.00012
0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
0.00011	0.00004	0.00011	0.00011	0.00013	0.00012
0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
0.00011	0.00009	0.00011	0.00011	0.00011	0.00012
0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00012	0.00021	0.00019	0.00011	0.00012	0.00012
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00011	0.00013	0.00011
0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00011	0.00020	0.00011
0.00009	0.00001	0.00009	0.00011	0.00019	0.00012
0.00009	0.00003	0.00014	0.00012	0.00018	0.00012
0.00010	0.00003	0.00014	0.00012	0.00015	0.00012
0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
0.00010	0.00017	0.00016	0.00012	0.00012	0.00012
0.00011	0.00021	0.00019	0.00012	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
2	20	19
2	20	20
2	20	21
2	20	22
2	20	23
2	20	24
2	21	1
2	21	2
2	21	3
2	21	4
2	21	5
2	21	6
2	21	7
2	21	8
2	21	9
2	21	10
2	21	11
2	21	12
2	21	13
2	21	14
2	21	15
2	21	16
2	21	17
2	21	18
2	21	19
2	21	20
2	21	21
2	21	22
2	21	23
2	21	24
2	22	1
2	22	2
2	22	3
2	22	4
2	22	5
2	22	6
2	22	7
2	22	8
2	22	9
2	22	10
2	22	11
2	22	12
2	22	13
2	22	14
2	22	15
2	22	16
2	22	17
2	22	18
2	22	19
2	22	20
2	22	21
2	22	22
2	22	23
2	22	24
2	23	1
2	23	2
2	23	3
2	23	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00018	0.00013	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00020	0.00011
0.00011	0.00001	0.00009	0.00011	0.00019	0.00012
0.00012	0.00003	0.00014	0.00012	0.00018	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00018	0.00013	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00011	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00018	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00011	0.00025	0.00020	0.00013	0.00013	0.00012
0.00011	0.00025	0.00018	0.00013	0.00013	0.00012
0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
0.00008	0.00001	0.00004	0.00011	0.00020	0.00011
0.00008	0.00001	0.00009	0.00011	0.00019	0.00012
0.00009	0.00003	0.00014	0.00012	0.00018	0.00012
0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
0.00009	0.00004	0.00011	0.00012	0.00013	0.00012
0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
0.00010	0.00017	0.00016	0.00012	0.00012	0.00012
0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
0.00011	0.00025	0.00018	0.00012	0.00013	0.00012
0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
0.00009	0.00018	0.00012	0.00010	0.00015	0.00009
0.00008	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
0.00010	0.00001	0.00009	0.00011	0.00019	0.00012
0.00011	0.00003	0.00014	0.00012	0.00018	0.00012
0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00018	0.00013	0.00013	0.00012
0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
0.00008	0.00005	0.00003	0.00009	0.00018	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	23	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	23	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
2	23	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
2	23	8	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012	0.00010	0.00001	0.00009	0.00012	0.00019	0.00012
2	23	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00011	0.00003	0.00014	0.00012	0.00018	0.00012
2	23	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
2	23	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	23	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	23	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	23	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
2	23	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012
2	23	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00011	0.00011	0.00012
2	23	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00012	0.00017	0.00016	0.00011	0.00012	0.00012
2	23	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
2	23	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
2	23	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
2	23	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
2	23	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011
2	23	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	23	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	24	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	24	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	24	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	24	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
2	24	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	24	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
2	24	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00011	0.00010	0.00001	0.00004	0.00009	0.00020	0.00011
2	24	8	0.00010	0.00001	0.00009	0.00010	0.00019	0.00012	0.00010	0.00001	0.00009	0.00010	0.00019	0.00012
2	24	9	0.00010	0.00003	0.00014	0.00010	0.00018	0.00012	0.00011	0.00003	0.00014	0.00010	0.00018	0.00012
2	24	10	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
2	24	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00012	0.00004	0.00011	0.00011	0.00013	0.00012
2	24	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00012	0.00005	0.00010	0.00011	0.00012	0.00012
2	24	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00012	0.00007	0.00010	0.00011	0.00011	0.00012
2	24	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00012	0.00009	0.00011	0.00010	0.00011	0.00012
2	24	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012
2	24	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014	0.00010	0.00011	0.00012
2	24	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
2	24	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
2	24	19	0.00012	0.00025	0.00021	0.00012	0.00013	0.00012	0.00013	0.00025	0.00021	0.00012	0.00013	0.00012
2	24	20	0.00011	0.00025	0.00020	0.00011	0.00013	0.00012	0.00013	0.00025	0.00020	0.00011	0.00013	0.00012
2	24	21	0.00011	0.00025	0.00018	0.00011	0.00013	0.00012	0.00012	0.00025	0.00018	0.00011	0.00013	0.00012
2	24	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
2	24	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010
2	24	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	25	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	25	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	25	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	25	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	25	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
2	25	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
2	25	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00011	0.00010	0.00001	0.00004	0.00009	0.00020	0.00011
2	25	8	0.00009	0.00001	0.00009	0.00009	0.00019	0.00012	0.00010	0.00001	0.00009	0.00009	0.00019	0.00012
2	25	9	0.00010	0.00003	0.00014	0.00010	0.00018	0.00012	0.00011	0.00003	0.00014	0.00010	0.00018	0.00012
2	25	10	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
2	25	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
2	25	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
2	25	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00012	0.00007	0.00010	0.00010	0.00011	0.00012
2	25	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00012	0.00009	0.00011	0.00010	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	25	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012
2	25	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014	0.00010	0.00011	0.00012
2	25	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
2	25	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
2	25	19	0.00012	0.00025	0.00021	0.00012	0.00013	0.00012	0.00013	0.00025	0.00021	0.00012	0.00013	0.00012
2	25	20	0.00012	0.00025	0.00020	0.00012	0.00013	0.00012	0.00013	0.00025	0.00020	0.00012	0.00013	0.00012
2	25	21	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012	0.00012	0.00025	0.00018	0.00012	0.00013	0.00012
2	25	22	0.00011	0.00023	0.00017	0.00011	0.00013	0.00011	0.00012	0.00023	0.00017	0.00011	0.00013	0.00011
2	25	23	0.00010	0.00022	0.00015	0.00010	0.00014	0.00010	0.00011	0.00022	0.00015	0.00010	0.00014	0.00010
2	25	24	0.00009	0.00018	0.00012	0.00009	0.00015	0.00009	0.00011	0.00018	0.00012	0.00009	0.00015	0.00009
2	26	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	26	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
2	26	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
2	26	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
2	26	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	26	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
2	26	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00010	0.00001	0.00004	0.00011	0.00020	0.00011
2	26	8	0.00011	0.00001	0.00009	0.00011	0.00019	0.00012	0.00010	0.00001	0.00009	0.00011	0.00019	0.00012
2	26	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00011	0.00003	0.00014	0.00012	0.00018	0.00012
2	26	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
2	26	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
2	26	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
2	26	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
2	26	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
2	26	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
2	26	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
2	26	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
2	26	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
2	26	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012
2	26	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012
2	26	21	0.00013	0.00025	0.00018	0.00013	0.00013	0.00012	0.00012	0.00025	0.00018	0.00013	0.00013	0.00012
2	26	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	26	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	26	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00011	0.00018	0.00012	0.00010	0.00015	0.00009
2	27	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	27	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	27	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	27	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
2	27	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	27	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
2	27	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00009	0.00001	0.00004	0.00011	0.00020	0.00011
2	27	8	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012	0.00009	0.00001	0.00009	0.00012	0.00019	0.00012
2	27	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00009	0.00003	0.00014	0.00012	0.00018	0.00012
2	27	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00010	0.00003	0.00014	0.00012	0.00015	0.00012
2	27	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
2	27	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
2	27	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
2	27	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
2	27	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
2	27	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
2	27	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
2	27	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00011	0.00021	0.00019	0.00013	0.00012	0.00012
2	27	19	0.00014	0.00025	0.00021	0.00014	0.00013	0.00012	0.00012	0.00025	0.00021	0.00014	0.00013	0.00012
2	27	20	0.00014	0.00025	0.00020	0.00014	0.00013	0.00012	0.00012	0.00025	0.00020	0.00014	0.00013	0.00012
2	27	21	0.00013	0.00025	0.00018	0.00013	0.00013	0.00012	0.00011	0.00025	0.00018	0.00013	0.00013	0.00012
2	27	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	27	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	27	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
2	28	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009	0.00009	0.00014	0.00009	0.00009	0.00016	0.00009
2	28	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
2	28	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00008	0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
2	28	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
2	28	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
2	28	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
2	28	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00011	0.00008	0.00001	0.00004	0.00011	0.00020	0.00011
2	28	8	0.00012	0.00001	0.00009	0.00012	0.00019	0.00012	0.00008	0.00001	0.00009	0.00012	0.00019	0.00012
2	28	9	0.00012	0.00003	0.00014	0.00012	0.00018	0.00012	0.00009	0.00003	0.00014	0.00012	0.00018	0.00012
2	28	10	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
2	28	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
2	28	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
2	28	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
2	28	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
2	28	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
2	28	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
2	28	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00010	0.00017	0.00016	0.00012	0.00012	0.00012
2	28	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00011	0.00021	0.00019	0.00012	0.00012	0.00012
2	28	19	0.00013	0.00025	0.00021	0.00013	0.00013	0.00012	0.00012	0.00025	0.00021	0.00013	0.00013	0.00012
2	28	20	0.00013	0.00025	0.00020	0.00013	0.00013	0.00012	0.00012	0.00025	0.00020	0.00013	0.00013	0.00012
2	28	21	0.00013	0.00025	0.00018	0.00013	0.00013	0.00012	0.00012	0.00025	0.00018	0.00013	0.00013	0.00012
2	28	22	0.00012	0.00023	0.00017	0.00012	0.00013	0.00011	0.00011	0.00023	0.00017	0.00012	0.00013	0.00011
2	28	23	0.00011	0.00022	0.00015	0.00011	0.00014	0.00010	0.00010	0.00022	0.00015	0.00011	0.00014	0.00010
2	28	24	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009	0.00010	0.00018	0.00012	0.00010	0.00015	0.00009
3	1	1	0.00010	0.00014	0.00009	0.00010	0.00015	0.00009	0.00009	0.00014	0.00009	0.00010	0.00015	0.00009
3	1	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	1	3	0.00009	0.00007	0.00005	0.00009	0.00017	0.00008	0.00008	0.00007	0.00005	0.00009	0.00017	0.00008
3	1	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
3	1	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	1	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	1	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	1	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00010	0.00001	0.00009	0.00012	0.00017	0.00012
3	1	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	1	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	1	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
3	1	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	1	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	1	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	1	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	1	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	1	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00012	0.00017	0.00016	0.00011	0.00010	0.00012
3	1	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
3	1	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
3	1	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
3	1	21	0.00013	0.00025	0.00018	0.00013	0.00011	0.00012	0.00013	0.00025	0.00018	0.00013	0.00011	0.00012
3	1	22	0.00012	0.00023	0.00017	0.00012	0.00012	0.00011	0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
3	1	23	0.00011	0.00022	0.00015	0.00011	0.00013	0.00010	0.00011	0.00022	0.00015	0.00011	0.00013	0.00010
3	1	24	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009	0.00011	0.00018	0.00012	0.00010	0.00014	0.00009
3	2	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	2	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	2	3	0.00009	0.00007	0.00005	0.00009	0.00017	0.00008	0.00008	0.00007	0.00005	0.00009	0.00017	0.00008
3	2	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
3	2	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	2	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	2	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	2	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00010	0.00001	0.00009	0.00012	0.00017	0.00012
3	2	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	2	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
3	2	11
3	2	12
3	2	13
3	2	14
3	2	15
3	2	16
3	2	17
3	2	18
3	2	19
3	2	20
3	2	21
3	2	22
3	2	23
3	2	24
3	3	1
3	3	2
3	3	3
3	3	4
3	3	5
3	3	6
3	3	7
3	3	8
3	3	9
3	3	10
3	3	11
3	3	12
3	3	13
3	3	14
3	3	15
3	3	16
3	3	17
3	3	18
3	3	19
3	3	20
3	3	21
3	3	22
3	3	23
3	3	24
3	4	1
3	4	2
3	4	3
3	4	4
3	4	5
3	4	6
3	4	7
3	4	8
3	4	9
3	4	10
3	4	11
3	4	12
3	4	13
3	4	14
3	4	15
3	4	16
3	4	17
3	4	18
3	4	19
3	4	20

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00011	0.00013	0.00014	0.00011	0.00009	0.00012
0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
0.00011	0.00022	0.00015	0.00011	0.00013	0.00010
0.00010	0.00018	0.00012	0.00010	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00009	0.00010	0.00006	0.00009	0.00016	0.00008
0.00009	0.00007	0.00005	0.00009	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00019	0.00011
0.00009	0.00001	0.00009	0.00009	0.00017	0.00012
0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
0.00010	0.00003	0.00014	0.00010	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00011	0.00005	0.00010	0.00011	0.00009	0.00012
0.00010	0.00007	0.00010	0.00010	0.00009	0.00012
0.00010	0.00009	0.00011	0.00010	0.00009	0.00012
0.00010	0.00010	0.00012	0.00010	0.00009	0.00012
0.00010	0.00013	0.00014	0.00010	0.00009	0.00012
0.00010	0.00017	0.00016	0.00010	0.00010	0.00012
0.00010	0.00022	0.00019	0.00010	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00011	0.00026	0.00020	0.00011	0.00011	0.00012
0.00011	0.00025	0.00018	0.00011	0.00011	0.00012
0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00008	0.00019	0.00010
0.00008	0.00001	0.00004	0.00008	0.00019	0.00011
0.00009	0.00001	0.00009	0.00009	0.00017	0.00012
0.00009	0.00003	0.00014	0.00009	0.00015	0.00012
0.00009	0.00003	0.00014	0.00009	0.00012	0.00012
0.00010	0.00004	0.00011	0.00010	0.00011	0.00012
0.00010	0.00005	0.00010	0.00010	0.00009	0.00012
0.00010	0.00007	0.00010	0.00010	0.00009	0.00012
0.00010	0.00009	0.00011	0.00010	0.00009	0.00012
0.00010	0.00010	0.00012	0.00010	0.00009	0.00012
0.00010	0.00013	0.00014	0.00010	0.00009	0.00012
0.00010	0.00017	0.00016	0.00010	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00012	0.00013	0.00014	0.00011	0.00009	0.00012
0.00012	0.00017	0.00016	0.00011	0.00010	0.00012
0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
0.00013	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
0.00010	0.00022	0.00015	0.00011	0.00013	0.00010
0.00011	0.00018	0.00012	0.00010	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
0.00008	0.00007	0.00005	0.00009	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00009	0.00017	0.00012
0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00012	0.00005	0.00010	0.00011	0.00009	0.00012
0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
0.00011	0.00017	0.00016	0.00010	0.00010	0.00012
0.00012	0.00022	0.00019	0.00010	0.00010	0.00012
0.00013	0.00025	0.00021	0.00012	0.00011	0.00012
0.00013	0.00026	0.00020	0.00011	0.00011	0.00012
0.00012	0.00025	0.00018	0.00011	0.00011	0.00012
0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
0.00010	0.00001	0.00004	0.00008	0.00019	0.00011
0.00010	0.00001	0.00009	0.00009	0.00017	0.00012
0.00011	0.00003	0.00014	0.00009	0.00015	0.00012
0.00011	0.00003	0.00014	0.00009	0.00012	0.00012
0.00011	0.00004	0.00011	0.00010	0.00011	0.00012
0.00011	0.00005	0.00010	0.00010	0.00009	0.00012
0.00011	0.00007	0.00010	0.00010	0.00009	0.00012
0.00011	0.00009	0.00011	0.00010	0.00009	0.00012
0.00011	0.00010	0.00012	0.00010	0.00009	0.00012
0.00011	0.00013	0.00014	0.00010	0.00009	0.00012
0.00011	0.00017	0.00016	0.00010	0.00010	0.00012
0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	4	21	0.00011	0.00025	0.00018	0.00011	0.00011	0.00012	0.00012	0.00025	0.00018	0.00011	0.00011	0.00012
3	4	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	4	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	4	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	5	1	0.00008	0.00014	0.00009	0.00008	0.00015	0.00009	0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
3	5	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	5	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	5	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	5	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
3	5	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
3	5	7	0.00010	0.00001	0.00004	0.00010	0.00019	0.00011	0.00008	0.00001	0.00004	0.00010	0.00019	0.00011
3	5	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00009	0.00001	0.00009	0.00011	0.00017	0.00012
3	5	9	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012	0.00010	0.00003	0.00014	0.00011	0.00015	0.00012
3	5	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
3	5	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
3	5	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
3	5	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
3	5	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
3	5	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
3	5	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
3	5	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00010	0.00017	0.00016	0.00012	0.00010	0.00012
3	5	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00011	0.00022	0.00019	0.00012	0.00010	0.00012
3	5	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00012	0.00025	0.00021	0.00013	0.00011	0.00012
3	5	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	5	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00011	0.00025	0.00018	0.00012	0.00011	0.00012
3	5	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	5	23	0.00011	0.00022	0.00015	0.00011	0.00013	0.00010	0.00010	0.00022	0.00015	0.00011	0.00013	0.00010
3	5	24	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009
3	6	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	6	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	6	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	6	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	6	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	6	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
3	6	7	0.00010	0.00001	0.00004	0.00010	0.00019	0.00011	0.00008	0.00001	0.00004	0.00010	0.00019	0.00011
3	6	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00008	0.00001	0.00009	0.00011	0.00017	0.00012
3	6	9	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012	0.00009	0.00003	0.00014	0.00011	0.00015	0.00012
3	6	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
3	6	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00009	0.00004	0.00011	0.00012	0.00011	0.00012
3	6	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
3	6	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
3	6	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
3	6	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00009	0.00010	0.00012	0.00012	0.00009	0.00012
3	6	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00009	0.00013	0.00014	0.00012	0.00009	0.00012
3	6	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00010	0.00017	0.00016	0.00012	0.00010	0.00012
3	6	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00010	0.00022	0.00019	0.00012	0.00010	0.00012
3	6	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00012	0.00025	0.00021	0.00013	0.00011	0.00012
3	6	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	6	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00011	0.00025	0.00018	0.00012	0.00011	0.00012
3	6	22	0.00012	0.00023	0.00017	0.00012	0.00012	0.00011	0.00011	0.00023	0.00017	0.00012	0.00012	0.00011
3	6	23	0.00011	0.00022	0.00015	0.00011	0.00013	0.00010	0.00010	0.00022	0.00015	0.00011	0.00013	0.00010
3	6	24	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009	0.00009	0.00018	0.00012	0.00010	0.00014	0.00009
3	7	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00008	0.00014	0.00009	0.00009	0.00015	0.00009
3	7	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	7	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	7	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	7	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	7	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	7	7	0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
3	7	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	7	9	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
3	7	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
3	7	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	7	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	7	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	7	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	7	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	7	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	7	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
3	7	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
3	7	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
3	7	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
3	7	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	7	22	0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
3	7	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	7	24	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009
3	8	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	8	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	8	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	8	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	8	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
3	8	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
3	8	7	0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
3	8	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	8	9	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
3	8	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
3	8	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	8	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	8	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	8	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	8	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	8	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	8	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
3	8	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
3	8	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
3	8	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
3	8	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	8	22	0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
3	8	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	8	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
3	9	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	9	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008
3	9	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	9	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	9	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
3	9	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
3	9	7	0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
3	9	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	9	9	0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
3	9	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
3	9	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	9	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	9	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	9	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	9	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	9	16	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012

Default Shapes (normalized to annual total; MW/annual MWh)

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
0.00013	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00010	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00009	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00012	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00010	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00011	0.00003	0.00014	0.00011	0.00015	0.00012
0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00011	0.00013	0.00014	0.00011	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	9	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
3	9	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
3	9	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00013	0.00025	0.00021	0.00012	0.00011	0.00012
3	9	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00013	0.00026	0.00020	0.00012	0.00011	0.00012
3	9	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	9	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	9	23	0.00011	0.00022	0.00015	0.00011	0.00013	0.00010	0.00010	0.00022	0.00015	0.00011	0.00013	0.00010
3	9	24	0.00010	0.00018	0.00012	0.00010	0.00014	0.00009	0.00011	0.00018	0.00012	0.00010	0.00014	0.00009
3	10	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	10	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	10	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	10	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	10	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
3	10	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
3	10	7	0.00009	0.00001	0.00004	0.00009	0.00019	0.00011	0.00010	0.00001	0.00004	0.00009	0.00019	0.00011
3	10	8	0.00009	0.00001	0.00009	0.00009	0.00017	0.00012	0.00010	0.00001	0.00009	0.00009	0.00017	0.00012
3	10	9	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
3	10	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
3	10	11	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
3	10	12	0.00011	0.00005	0.00010	0.00011	0.00009	0.00012	0.00012	0.00005	0.00010	0.00011	0.00009	0.00012
3	10	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
3	10	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
3	10	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
3	10	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
3	10	17	0.00010	0.00017	0.00016	0.00010	0.00010	0.00012	0.00012	0.00017	0.00016	0.00010	0.00010	0.00012
3	10	18	0.00010	0.00022	0.00019	0.00010	0.00010	0.00012	0.00012	0.00022	0.00019	0.00010	0.00010	0.00012
3	10	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00013	0.00025	0.00021	0.00011	0.00011	0.00012
3	10	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00013	0.00026	0.00020	0.00012	0.00011	0.00012
3	10	21	0.00011	0.00025	0.00018	0.00011	0.00011	0.00012	0.00012	0.00025	0.00018	0.00011	0.00011	0.00012
3	10	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	10	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	10	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	11	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	11	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	11	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	11	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	11	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
3	11	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
3	11	7	0.00008	0.00001	0.00004	0.00008	0.00019	0.00011	0.00010	0.00001	0.00004	0.00008	0.00019	0.00011
3	11	8	0.00009	0.00001	0.00009	0.00009	0.00017	0.00012	0.00010	0.00001	0.00009	0.00009	0.00017	0.00012
3	11	9	0.00009	0.00003	0.00014	0.00009	0.00015	0.00012	0.00011	0.00003	0.00014	0.00009	0.00015	0.00012
3	11	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
3	11	11	0.00010	0.00004	0.00011	0.00010	0.00011	0.00012	0.00011	0.00004	0.00011	0.00010	0.00011	0.00012
3	11	12	0.00010	0.00005	0.00010	0.00010	0.00009	0.00012	0.00011	0.00005	0.00010	0.00010	0.00009	0.00012
3	11	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
3	11	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
3	11	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
3	11	16	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012	0.00012	0.00013	0.00014	0.00011	0.00009	0.00012
3	11	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
3	11	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
3	11	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
3	11	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
3	11	21	0.00011	0.00025	0.00018	0.00011	0.00011	0.00012	0.00012	0.00025	0.00018	0.00011	0.00011	0.00012
3	11	22	0.00010	0.00023	0.00017	0.00010	0.00012	0.00011	0.00012	0.00023	0.00017	0.00010	0.00012	0.00011
3	11	23	0.00009	0.00022	0.00015	0.00009	0.00013	0.00010	0.00011	0.00022	0.00015	0.00009	0.00013	0.00010
3	11	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	12	1	0.00008	0.00014	0.00009	0.00008	0.00015	0.00009	0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
3	12	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00009	0.00010	0.00006	0.00008	0.00016	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	12	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	12	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	12	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	12	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	12	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00009	0.00001	0.00004	0.00011	0.00019	0.00011
3	12	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00009	0.00001	0.00009	0.00011	0.00017	0.00012
3	12	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00010	0.00003	0.00014	0.00012	0.00015	0.00012
3	12	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
3	12	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00010	0.00004	0.00011	0.00013	0.00011	0.00012
3	12	12	0.00013	0.00005	0.00010	0.00013	0.00009	0.00012	0.00010	0.00005	0.00010	0.00013	0.00009	0.00012
3	12	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00010	0.00007	0.00010	0.00013	0.00009	0.00012
3	12	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00010	0.00009	0.00011	0.00013	0.00009	0.00012
3	12	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00010	0.00010	0.00012	0.00013	0.00009	0.00012
3	12	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00010	0.00013	0.00014	0.00013	0.00009	0.00012
3	12	17	0.00013	0.00017	0.00016	0.00013	0.00010	0.00012	0.00010	0.00017	0.00016	0.00013	0.00010	0.00012
3	12	18	0.00013	0.00022	0.00019	0.00013	0.00010	0.00012	0.00010	0.00022	0.00019	0.00013	0.00010	0.00012
3	12	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00011	0.00025	0.00021	0.00013	0.00011	0.00012
3	12	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	12	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00011	0.00025	0.00018	0.00012	0.00011	0.00012
3	12	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	12	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	12	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
3	13	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	13	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	13	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00000	0.00007	0.00005	0.00008	0.00017	0.00008
3	13	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	13	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	13	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
3	13	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00008	0.00001	0.00004	0.00011	0.00019	0.00011
3	13	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00008	0.00001	0.00009	0.00011	0.00017	0.00012
3	13	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
3	13	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
3	13	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00009	0.00004	0.00011	0.00013	0.00011	0.00012
3	13	12	0.00013	0.00005	0.00010	0.00013	0.00009	0.00012	0.00009	0.00005	0.00010	0.00013	0.00009	0.00012
3	13	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00010	0.00007	0.00010	0.00013	0.00009	0.00012
3	13	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00010	0.00009	0.00011	0.00013	0.00009	0.00012
3	13	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00010	0.00010	0.00012	0.00013	0.00009	0.00012
3	13	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00010	0.00013	0.00014	0.00013	0.00009	0.00012
3	13	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00010	0.00017	0.00016	0.00012	0.00010	0.00012
3	13	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00010	0.00022	0.00019	0.00012	0.00010	0.00012
3	13	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00011	0.00025	0.00021	0.00013	0.00011	0.00012
3	13	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	13	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	13	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	13	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	13	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
3	14	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	14	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	14	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	14	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	14	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	14	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	14	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	14	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	14	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	14	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	14	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
3	14	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00011	0.00005	0.00010	0.00012	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	14	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
3	14	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
3	14	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
3	14	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
3	14	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
3	14	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00011	0.00022	0.00019	0.00012	0.00010	0.00012
3	14	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
3	14	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
3	14	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	14	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
3	14	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
3	14	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	15	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	15	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	15	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	15	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	15	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	15	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	15	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	15	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	15	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	15	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	15	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
3	15	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
3	15	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00011	0.00007	0.00010	0.00013	0.00009	0.00012
3	15	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00012	0.00009	0.00011	0.00013	0.00009	0.00012
3	15	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00012	0.00010	0.00012	0.00013	0.00009	0.00012
3	15	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	15	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
3	15	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
3	15	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00012	0.00025	0.00021	0.00013	0.00011	0.00012
3	15	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	15	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	15	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
3	15	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
3	15	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	16	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	16	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	16	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	16	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	16	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	16	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	16	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	16	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00010	0.00001	0.00009	0.00011	0.00017	0.00012
3	16	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	16	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	16	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
3	16	12	0.00013	0.00005	0.00010	0.00013	0.00009	0.00012	0.00012	0.00005	0.00010	0.00013	0.00009	0.00012
3	16	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00012	0.00007	0.00010	0.00013	0.00009	0.00012
3	16	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00012	0.00009	0.00011	0.00013	0.00009	0.00012
3	16	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00012	0.00010	0.00012	0.00013	0.00009	0.00012
3	16	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012
3	16	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00013	0.00017	0.00016	0.00012	0.00010	0.00012
3	16	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00013	0.00022	0.00019	0.00012	0.00010	0.00012
3	16	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
3	16	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
3	16	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00013	0.00025	0.00018	0.00012	0.00011	0.00012
3	16	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
3	16	23
3	16	24
3	17	1
3	17	2
3	17	3
3	17	4
3	17	5
3	17	6
3	17	7
3	17	8
3	17	9
3	17	10
3	17	11
3	17	12
3	17	13
3	17	14
3	17	15
3	17	16
3	17	17
3	17	18
3	17	19
3	17	20
3	17	21
3	17	22
3	17	23
3	17	24
3	18	1
3	18	2
3	18	3
3	18	4
3	18	5
3	18	6
3	18	7
3	18	8
3	18	9
3	18	10
3	18	11
3	18	12
3	18	13
3	18	14
3	18	15
3	18	16
3	18	17
3	18	18
3	18	19
3	18	20
3	18	21
3	18	22
3	18	23
3	18	24
3	19	1
3	19	2
3	19	3
3	19	4
3	19	5
3	19	6
3	19	7
3	19	8

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00010	0.00017	0.00012
0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00011	0.00005	0.00010	0.00011	0.00009	0.00012
0.00011	0.00007	0.00010	0.00011	0.00009	0.00012
0.00011	0.00009	0.00011	0.00011	0.00009	0.00012
0.00011	0.00010	0.00012	0.00011	0.00009	0.00012
0.00011	0.00013	0.00014	0.00011	0.00009	0.00012
0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00011	0.00025	0.00021	0.00011	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00011	0.00025	0.00018	0.00011	0.00011	0.00012
0.00010	0.00023	0.00017	0.00010	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00008	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00008	0.00002	0.00002	0.00008	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00019	0.00011
0.00009	0.00001	0.00009	0.00009	0.00017	0.00012
0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
0.00010	0.00003	0.00014	0.00010	0.00012	0.00012
0.00010	0.00004	0.00011	0.00010	0.00011	0.00012
0.00010	0.00005	0.00010	0.00010	0.00009	0.00012
0.00010	0.00007	0.00010	0.00010	0.00009	0.00012
0.00010	0.00009	0.00011	0.00010	0.00009	0.00012
0.00010	0.00010	0.00012	0.00010	0.00009	0.00012
0.00010	0.00013	0.00014	0.00010	0.00009	0.00012
0.00010	0.00017	0.00016	0.00010	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00011	0.00025	0.00018	0.00011	0.00011	0.00012
0.00010	0.00023	0.00017	0.00010	0.00012	0.00011
0.00009	0.00022	0.00015	0.00009	0.00013	0.00010
0.00008	0.00018	0.00012	0.00008	0.00014	0.00009
0.00008	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00019	0.00011
0.00012	0.00001	0.00009	0.00012	0.00017	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00010	0.00017	0.00012
0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00012	0.00004	0.00011	0.00011	0.00011	0.00012
0.00012	0.00005	0.00010	0.00011	0.00009	0.00012
0.00012	0.00007	0.00010	0.00011	0.00009	0.00012
0.00012	0.00009	0.00011	0.00011	0.00009	0.00012
0.00013	0.00010	0.00012	0.00011	0.00009	0.00012
0.00013	0.00013	0.00014	0.00011	0.00009	0.00012
0.00013	0.00017	0.00016	0.00011	0.00010	0.00012
0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00011	0.00011	0.00012
0.00013	0.00026	0.00020	0.00012	0.00011	0.00012
0.00013	0.00025	0.00018	0.00011	0.00011	0.00012
0.00012	0.00023	0.00017	0.00010	0.00012	0.00011
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
0.00010	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00009	0.00017	0.00012
0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
0.00011	0.00004	0.00011	0.00010	0.00011	0.00012
0.00012	0.00005	0.00010	0.00010	0.00009	0.00012
0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
0.00012	0.00017	0.00016	0.00010	0.00010	0.00012
0.00012	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00011	0.00011	0.00012
0.00012	0.00023	0.00017	0.00010	0.00012	0.00011
0.00011	0.00022	0.00015	0.00009	0.00013	0.00010
0.00011	0.00018	0.00012	0.00008	0.00014	0.00009
0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
0.00008	0.00001	0.00004	0.00011	0.00019	0.00011
0.00009	0.00001	0.00009	0.00012	0.00017	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	19	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
3	19	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
3	19	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
3	19	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
3	19	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
3	19	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
3	19	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
3	19	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
3	19	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00010	0.00017	0.00016	0.00012	0.00010	0.00012
3	19	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00010	0.00022	0.00019	0.00012	0.00010	0.00012
3	19	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00011	0.00025	0.00021	0.00013	0.00011	0.00012
3	19	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	19	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	19	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	19	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	19	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
3	20	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	20	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	20	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	20	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	20	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	20	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
3	20	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00008	0.00001	0.00004	0.00011	0.00019	0.00011
3	20	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00008	0.00001	0.00009	0.00012	0.00017	0.00012
3	20	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
3	20	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
3	20	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
3	20	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
3	20	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
3	20	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
3	20	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
3	20	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
3	20	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00010	0.00017	0.00016	0.00012	0.00010	0.00012
3	20	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00010	0.00022	0.00019	0.00012	0.00010	0.00012
3	20	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
3	20	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00011	0.00026	0.00020	0.00013	0.00011	0.00012
3	20	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	20	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	20	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	20	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
3	21	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00008	0.00014	0.00009	0.00009	0.00015	0.00009
3	21	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	21	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	21	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
3	21	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	21	6	0.00011	0.00002	0.00002	0.00011	0.00019	0.00010	0.00008	0.00002	0.00002	0.00011	0.00019	0.00010
3	21	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00009	0.00001	0.00004	0.00011	0.00019	0.00011
3	21	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00010	0.00001	0.00009	0.00012	0.00017	0.00012
3	21	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	21	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	21	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
3	21	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
3	21	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	21	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	21	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	21	16	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012
3	21	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
3	21	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
3	21	19
3	21	20
3	21	21
3	21	22
3	21	23
3	21	24
3	22	1
3	22	2
3	22	3
3	22	4
3	22	5
3	22	6
3	22	7
3	22	8
3	22	9
3	22	10
3	22	11
3	22	12
3	22	13
3	22	14
3	22	15
3	22	16
3	22	17
3	22	18
3	22	19
3	22	20
3	22	21
3	22	22
3	22	23
3	22	24
3	23	1
3	23	2
3	23	3
3	23	4
3	23	5
3	23	6
3	23	7
3	23	8
3	23	9
3	23	10
3	23	11
3	23	12
3	23	13
3	23	14
3	23	15
3	23	16
3	23	17
3	23	18
3	23	19
3	23	20
3	23	21
3	23	22
3	23	23
3	23	24
3	24	1
3	24	2
3	24	3
3	24	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00009	0.00010	0.00006	0.00009	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00009	0.00005	0.00003	0.00009	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
0.00012	0.00022	0.00019	0.00012	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00013	0.00026	0.00020	0.00013	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
0.00010	0.00001	0.00009	0.00011	0.00017	0.00012
0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
0.00011	0.00022	0.00019	0.00012	0.00010	0.00012
0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
0.00010	0.00001	0.00009	0.00011	0.00017	0.00012
0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
0.00011	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
0.00012	0.00017	0.00016	0.00012	0.00010	0.00012
0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
3	24	5
3	24	6
3	24	7
3	24	8
3	24	9
3	24	10
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3	24	23
3	24	24
3	25	1
3	25	2
3	25	3
3	25	4
3	25	5
3	25	6
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3	25	9
3	25	10
3	25	11
3	25	12
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3	25	14
3	25	15
3	25	16
3	25	17
3	25	18
3	25	19
3	25	20
3	25	21
3	25	22
3	25	23
3	25	24
3	26	1
3	26	2
3	26	3
3	26	4
3	26	5
3	26	6
3	26	7
3	26	8
3	26	9
3	26	10
3	26	11
3	26	12
3	26	13
3	26	14

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00010	0.00017	0.00012
0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00011	0.00005	0.00010	0.00011	0.00009	0.00012
0.00010	0.00007	0.00010	0.00010	0.00009	0.00012
0.00010	0.00009	0.00011	0.00010	0.00009	0.00012
0.00010	0.00010	0.00012	0.00010	0.00009	0.00012
0.00010	0.00013	0.00014	0.00010	0.00009	0.00012
0.00010	0.00017	0.00016	0.00010	0.00010	0.00012
0.00010	0.00022	0.00019	0.00010	0.00010	0.00012
0.00011	0.00025	0.00021	0.00011	0.00011	0.00012
0.00011	0.00026	0.00020	0.00011	0.00011	0.00012
0.00011	0.00025	0.00018	0.00011	0.00011	0.00012
0.00010	0.00023	0.00017	0.00010	0.00012	0.00011
0.00009	0.00022	0.00015	0.00009	0.00013	0.00010
0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
0.00008	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
0.00011	0.00001	0.00004	0.00011	0.00019	0.00011
0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
0.00012	0.00003	0.00014	0.00012	0.00015	0.00012
0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00010	0.00001	0.00004	0.00009	0.00019	0.00011
0.00010	0.00001	0.00009	0.00010	0.00017	0.00012
0.00011	0.00003	0.00014	0.00010	0.00015	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00012	0.00005	0.00010	0.00011	0.00009	0.00012
0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
0.00012	0.00017	0.00016	0.00010	0.00010	0.00012
0.00012	0.00022	0.00019	0.00010	0.00010	0.00012
0.00012	0.00025	0.00021	0.00011	0.00011	0.00012
0.00013	0.00026	0.00020	0.00011	0.00011	0.00012
0.00013	0.00025	0.00018	0.00011	0.00011	0.00012
0.00012	0.00023	0.00017	0.00010	0.00012	0.00011
0.00011	0.00022	0.00015	0.00009	0.00013	0.00010
0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
0.00008	0.00001	0.00004	0.00011	0.00019	0.00011
0.00009	0.00001	0.00009	0.00011	0.00017	0.00012
0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
0.00011	0.00009	0.00011	0.00012	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	26	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
3	26	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
3	26	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
3	26	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00011	0.00022	0.00019	0.00012	0.00010	0.00012
3	26	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
3	26	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
3	26	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012
3	26	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	26	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	26	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
3	27	1	0.00008	0.00014	0.00009	0.00008	0.00015	0.00009	0.00009	0.00014	0.00009	0.00008	0.00015	0.00009
3	27	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	27	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	27	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008
3	27	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00008	0.00003	0.00002	0.00009	0.00019	0.00009
3	27	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
3	27	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00008	0.00001	0.00004	0.00011	0.00019	0.00011
3	27	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00008	0.00001	0.00009	0.00011	0.00017	0.00012
3	27	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00009	0.00003	0.00014	0.00012	0.00015	0.00012
3	27	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
3	27	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00009	0.00004	0.00011	0.00012	0.00011	0.00012
3	27	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00010	0.00005	0.00010	0.00012	0.00009	0.00012
3	27	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
3	27	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
3	27	15	0.00011	0.00010	0.00012	0.00011	0.00009	0.00012	0.00010	0.00010	0.00012	0.00011	0.00009	0.00012
3	27	16	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012	0.00010	0.00013	0.00014	0.00011	0.00009	0.00012
3	27	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00010	0.00017	0.00016	0.00011	0.00010	0.00012
3	27	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00010	0.00022	0.00019	0.00011	0.00010	0.00012
3	27	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00010	0.00025	0.00021	0.00012	0.00011	0.00012
3	27	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00011	0.00026	0.00020	0.00012	0.00011	0.00012
3	27	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00011	0.00025	0.00018	0.00012	0.00011	0.00012
3	27	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011
3	27	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	27	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009
3	28	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	28	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00008	0.00010	0.00006	0.00009	0.00016	0.00008
3	28	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	28	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
3	28	5	0.00010	0.00003	0.00002	0.00010	0.00019	0.00009	0.00008	0.00003	0.00002	0.00010	0.00019	0.00009
3	28	6	0.00011	0.00002	0.00002	0.00011	0.00019	0.00010	0.00009	0.00002	0.00002	0.00011	0.00019	0.00010
3	28	7	0.00012	0.00001	0.00004	0.00012	0.00019	0.00011	0.00010	0.00001	0.00004	0.00012	0.00019	0.00011
3	28	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00010	0.00001	0.00009	0.00012	0.00017	0.00012
3	28	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	28	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	28	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	28	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	28	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	28	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	28	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
3	28	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
3	28	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012
3	28	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
3	28	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
3	28	20	0.00013	0.00026	0.00020	0.00013	0.00011	0.00012	0.00012	0.00026	0.00020	0.00013	0.00011	0.00012
3	28	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00013	0.00025	0.00018	0.00012	0.00011	0.00012
3	28	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
3	28	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
3	28	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	29	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	29	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008
3	29	3	0.00009	0.00007	0.00005	0.00009	0.00017	0.00008	0.00008	0.00007	0.00005	0.00009	0.00017	0.00008
3	29	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00008	0.00005	0.00003	0.00009	0.00018	0.00008
3	29	5	0.00010	0.00003	0.00002	0.00010	0.00019	0.00009	0.00009	0.00003	0.00002	0.00010	0.00019	0.00009
3	29	6	0.00011	0.00002	0.00002	0.00011	0.00019	0.00010	0.00009	0.00002	0.00002	0.00011	0.00019	0.00010
3	29	7	0.00012	0.00001	0.00004	0.00012	0.00019	0.00011	0.00010	0.00001	0.00004	0.00012	0.00019	0.00011
3	29	8	0.00012	0.00001	0.00009	0.00012	0.00017	0.00012	0.00011	0.00001	0.00009	0.00012	0.00017	0.00012
3	29	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	29	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
3	29	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	29	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	29	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	29	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	29	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	29	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	29	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
3	29	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00012	0.00011	0.00022	0.00019	0.00012	0.00010	0.00012
3	29	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
3	29	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00013	0.00026	0.00020	0.00012	0.00011	0.00012
3	29	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00013	0.00025	0.00018	0.00012	0.00011	0.00012
3	29	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
3	29	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
3	29	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	30	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009
3	30	2	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008	0.00009	0.00010	0.00006	0.00009	0.00016	0.00008
3	30	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00009	0.00007	0.00005	0.00008	0.00017	0.00008
3	30	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008	0.00009	0.00005	0.00003	0.00009	0.00018	0.00008
3	30	5	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009	0.00009	0.00003	0.00002	0.00009	0.00019	0.00009
3	30	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
3	30	7	0.00011	0.00001	0.00004	0.00011	0.00019	0.00011	0.00010	0.00001	0.00004	0.00011	0.00019	0.00011
3	30	8	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012	0.00011	0.00001	0.00009	0.00011	0.00017	0.00012
3	30	9	0.00012	0.00003	0.00014	0.00012	0.00015	0.00012	0.00011	0.00003	0.00014	0.00012	0.00015	0.00012
3	30	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
3	30	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
3	30	12	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012	0.00012	0.00005	0.00010	0.00012	0.00009	0.00012
3	30	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
3	30	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
3	30	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
3	30	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
3	30	17	0.00012	0.00017	0.00016	0.00012	0.00010	0.00012	0.00011	0.00017	0.00016	0.00012	0.00010	0.00012
3	30	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012
3	30	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
3	30	20	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012	0.00012	0.00026	0.00020	0.00012	0.00011	0.00012
3	30	21	0.00012	0.00025	0.00018	0.00012	0.00011	0.00012	0.00013	0.00025	0.00018	0.00012	0.00011	0.00012
3	30	22	0.00011	0.00023	0.00017	0.00011	0.00012	0.00011	0.00012	0.00023	0.00017	0.00011	0.00012	0.00011
3	30	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00011	0.00022	0.00015	0.00010	0.00013	0.00010
3	30	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00011	0.00018	0.00012	0.00009	0.00014	0.00009
3	31	1	0.00009	0.00014	0.00009	0.00009	0.00015	0.00009	0.00008	0.00014	0.00009	0.00009	0.00015	0.00009
3	31	2	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008	0.00008	0.00010	0.00006	0.00008	0.00016	0.00008
3	31	3	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008	0.00008	0.00007	0.00005	0.00008	0.00017	0.00008
3	31	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00008	0.00007	0.00005	0.00003	0.00008	0.00018	0.00008
3	31	5	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009	0.00008	0.00003	0.00002	0.00008	0.00019	0.00009
3	31	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
3	31	7	0.00009	0.00001	0.00004	0.00009	0.00019	0.00011	0.00009	0.00001	0.00004	0.00009	0.00019	0.00011
3	31	8	0.00010	0.00001	0.00009	0.00010	0.00017	0.00012	0.00010	0.00001	0.00009	0.00010	0.00017	0.00012
3	31	9	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012	0.00010	0.00003	0.00014	0.00010	0.00015	0.00012
3	31	10	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012	0.00010	0.00003	0.00014	0.00011	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
3	31	11	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012	0.00010	0.00004	0.00011	0.00011	0.00011	0.00012
3	31	12	0.00011	0.00005	0.00010	0.00011	0.00009	0.00012	0.00010	0.00005	0.00010	0.00011	0.00009	0.00012
3	31	13	0.00011	0.00007	0.00010	0.00011	0.00009	0.00012	0.00010	0.00007	0.00010	0.00011	0.00009	0.00012
3	31	14	0.00011	0.00009	0.00011	0.00011	0.00009	0.00012	0.00010	0.00009	0.00011	0.00011	0.00009	0.00012
3	31	15	0.00011	0.00010	0.00012	0.00011	0.00009	0.00012	0.00010	0.00010	0.00012	0.00011	0.00009	0.00012
3	31	16	0.00011	0.00013	0.00014	0.00011	0.00009	0.00012	0.00010	0.00013	0.00014	0.00011	0.00009	0.00012
3	31	17	0.00011	0.00017	0.00016	0.00011	0.00010	0.00012	0.00010	0.00017	0.00016	0.00011	0.00010	0.00012
3	31	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00012	0.00010	0.00022	0.00019	0.00011	0.00010	0.00012
3	31	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00010	0.00025	0.00021	0.00011	0.00011	0.00012
3	31	20	0.00011	0.00026	0.00020	0.00011	0.00011	0.00012	0.00011	0.00026	0.00020	0.00011	0.00011	0.00012
3	31	21	0.00011	0.00025	0.00018	0.00011	0.00011	0.00012	0.00011	0.00025	0.00018	0.00011	0.00011	0.00012
3	31	22	0.00010	0.00023	0.00017	0.00010	0.00012	0.00011	0.00011	0.00023	0.00017	0.00010	0.00012	0.00011
3	31	23	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010	0.00010	0.00022	0.00015	0.00010	0.00013	0.00010
3	31	24	0.00009	0.00018	0.00012	0.00009	0.00014	0.00009	0.00010	0.00018	0.00012	0.00009	0.00014	0.00009
4	1	1	0.00008	0.00014	0.00009	0.00008	0.00012	0.00008	0.00009	0.00014	0.00009	0.00008	0.00012	0.00008
4	1	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00009	0.00010	0.00006	0.00008	0.00013	0.00008
4	1	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00009	0.00007	0.00005	0.00008	0.00014	0.00008
4	1	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00009	0.00005	0.00003	0.00008	0.00015	0.00008
4	1	5	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009	0.00009	0.00003	0.00002	0.00008	0.00017	0.00009
4	1	6	0.00008	0.00002	0.00002	0.00008	0.00018	0.00010	0.00009	0.00002	0.00002	0.00008	0.00018	0.00010
4	1	7	0.00008	0.00001	0.00004	0.00008	0.00017	0.00011	0.00010	0.00001	0.00004	0.00008	0.00017	0.00011
4	1	8	0.00009	0.00001	0.00009	0.00009	0.00016	0.00012	0.00011	0.00001	0.00009	0.00009	0.00016	0.00012
4	1	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	1	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
4	1	11	0.00010	0.00004	0.00011	0.00010	0.00011	0.00012	0.00012	0.00004	0.00011	0.00010	0.00011	0.00012
4	1	12	0.00010	0.00005	0.00010	0.00010	0.00010	0.00012	0.00012	0.00005	0.00010	0.00010	0.00010	0.00012
4	1	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
4	1	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
4	1	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
4	1	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
4	1	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00011	0.00017	0.00016	0.00010	0.00009	0.00011
4	1	18	0.00010	0.00022	0.00019	0.00010	0.00010	0.00011	0.00011	0.00022	0.00019	0.00010	0.00010	0.00011
4	1	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012
4	1	20	0.00011	0.00026	0.00020	0.00011	0.00010	0.00011	0.00012	0.00026	0.00020	0.00011	0.00010	0.00011
4	1	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00012	0.00025	0.00018	0.00011	0.00010	0.00011
4	1	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010
4	1	23	0.00009	0.00022	0.00015	0.00009	0.00010	0.00009	0.00011	0.00022	0.00015	0.00009	0.00010	0.00009
4	1	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	2	1	0.00008	0.00014	0.00009	0.00008	0.00012	0.00008	0.00009	0.00014	0.00009	0.00008	0.00012	0.00008
4	2	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	2	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	2	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	2	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	2	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	2	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00009	0.00001	0.00004	0.00011	0.00017	0.00011
4	2	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00009	0.00001	0.00009	0.00011	0.00016	0.00012
4	2	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	2	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
4	2	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	2	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00011	0.00005	0.00010	0.00012	0.00010	0.00012
4	2	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
4	2	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
4	2	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
4	2	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
4	2	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00011	0.00017	0.00016	0.00012	0.00009	0.00011
4	2	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	2	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	2	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	2	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	2	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	2	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	2	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	3	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	3	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	3	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	3	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	3	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	3	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	3	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
4	3	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00008	0.00001	0.00009	0.00011	0.00016	0.00012
4	3	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	3	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
4	3	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	3	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00010	0.00005	0.00010	0.00012	0.00010	0.00012
4	3	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00010	0.00007	0.00010	0.00013	0.00009	0.00012
4	3	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00010	0.00009	0.00011	0.00013	0.00009	0.00012
4	3	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
4	3	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
4	3	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00010	0.00017	0.00016	0.00012	0.00009	0.00011
4	3	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	3	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	3	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	3	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	3	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	3	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	3	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	4	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	4	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	4	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	4	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	4	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	4	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	4	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	4	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00010	0.00001	0.00009	0.00011	0.00016	0.00012
4	4	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	4	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	4	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	4	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012
4	4	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
4	4	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
4	4	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
4	4	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00013	0.00013	0.00014	0.00012	0.00009	0.00012
4	4	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	4	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011
4	4	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	4	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011
4	4	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	4	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	4	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	4	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	5	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	5	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	5	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	5	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	5	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	5	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	5	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	5	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00010	0.00001	0.00009	0.00011	0.00016	0.00012
4	5	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	5	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	5	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	5	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012
4	5	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
4	5	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00013	0.00009	0.00011	0.00012	0.00009	0.00012
4	5	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00013	0.00010	0.00012	0.00012	0.00009	0.00012
4	5	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00013	0.00013	0.00014	0.00012	0.00009	0.00012
4	5	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00013	0.00017	0.00016	0.00012	0.00009	0.00011
4	5	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00013	0.00022	0.00019	0.00012	0.00010	0.00011
4	5	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00013	0.00025	0.00021	0.00012	0.00011	0.00012
4	5	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011
4	5	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	5	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00013	0.00023	0.00017	0.00011	0.00010	0.00010
4	5	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	5	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
4	6	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	6	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
4	6	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	6	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	6	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	6	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	6	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	6	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00010	0.00001	0.00009	0.00011	0.00016	0.00012
4	6	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	6	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
4	6	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	6	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00013	0.00005	0.00010	0.00012	0.00010	0.00012
4	6	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00013	0.00007	0.00010	0.00012	0.00009	0.00012
4	6	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00013	0.00009	0.00011	0.00012	0.00009	0.00012
4	6	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00013	0.00010	0.00012	0.00012	0.00009	0.00012
4	6	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00013	0.00013	0.00014	0.00012	0.00009	0.00012
4	6	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00013	0.00017	0.00016	0.00012	0.00009	0.00011
4	6	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00013	0.00022	0.00019	0.00011	0.00010	0.00011
4	6	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00013	0.00025	0.00021	0.00012	0.00011	0.00012
4	6	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00013	0.00026	0.00020	0.00012	0.00010	0.00011
4	6	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	6	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	6	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	6	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
4	7	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	7	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
4	7	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	7	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	7	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	7	6	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
4	7	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	7	8	0.00010	0.00001	0.00009	0.00010	0.00016	0.00012	0.00011	0.00001	0.00009	0.00010	0.00016	0.00012
4	7	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	7	10	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
4	7	11	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012	0.00012	0.00004	0.00011	0.00011	0.00011	0.00012
4	7	12	0.00011	0.00005	0.00010	0.00011	0.00010	0.00012	0.00012	0.00005	0.00010	0.00011	0.00010	0.00012
4	7	13	0.00011	0.00007	0.00010	0.00011	0.00009	0.00012	0.00012	0.00007	0.00010	0.00011	0.00009	0.00012
4	7	14	0.00011	0.00009	0.00011	0.00011	0.00009	0.00012	0.00012	0.00009	0.00011	0.00011	0.00009	0.00012
4	7	15	0.00011	0.00010	0.00012	0.00011	0.00009	0.00012	0.00012	0.00010	0.00012	0.00011	0.00009	0.00012
4	7	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	7	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00012	0.00017	0.00016	0.00010	0.00009	0.00011
4	7	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00012	0.00022	0.00019	0.00011	0.00010	0.00011
4	7	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00012	0.00025	0.00021	0.00011	0.00011	0.00012
4	7	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	7	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00012	0.00025	0.00018	0.00011	0.00010	0.00011
4	7	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010
4	7	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	7	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	8	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	8	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	8	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	8	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	8	5	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009
4	8	6	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
4	8	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	8	8	0.00009	0.00001	0.00009	0.00009	0.00016	0.00012	0.00010	0.00001	0.00009	0.00009	0.00016	0.00012
4	8	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	8	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00012	0.00003	0.00014	0.00010	0.00012	0.00012
4	8	11	0.00010	0.00004	0.00011	0.00010	0.00011	0.00012	0.00012	0.00004	0.00011	0.00010	0.00011	0.00012
4	8	12	0.00010	0.00005	0.00010	0.00010	0.00010	0.00012	0.00012	0.00005	0.00010	0.00010	0.00010	0.00012
4	8	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
4	8	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
4	8	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
4	8	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
4	8	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00011	0.00017	0.00016	0.00010	0.00009	0.00011
4	8	18	0.00010	0.00022	0.00019	0.00010	0.00010	0.00011	0.00011	0.00022	0.00019	0.00010	0.00010	0.00011
4	8	19	0.00010	0.00025	0.00021	0.00010	0.00011	0.00012	0.00012	0.00025	0.00021	0.00010	0.00011	0.00012
4	8	20	0.00011	0.00026	0.00020	0.00011	0.00010	0.00011	0.00012	0.00026	0.00020	0.00011	0.00010	0.00011
4	8	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00012	0.00025	0.00018	0.00011	0.00010	0.00011
4	8	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010
4	8	23	0.00009	0.00022	0.00015	0.00009	0.00010	0.00009	0.00011	0.00022	0.00015	0.00009	0.00010	0.00009
4	8	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	9	1	0.00008	0.00014	0.00009	0.00008	0.00012	0.00008	0.00009	0.00014	0.00009	0.00008	0.00012	0.00008
4	9	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	9	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	9	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	9	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	9	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	9	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00009	0.00001	0.00004	0.00011	0.00017	0.00011
4	9	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00009	0.00001	0.00009	0.00012	0.00016	0.00012
4	9	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00010	0.00003	0.00014	0.00012	0.00014	0.00012
4	9	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
4	9	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
4	9	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00011	0.00005	0.00010	0.00012	0.00010	0.00012
4	9	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
4	9	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012
4	9	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
4	9	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
4	9	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00010	0.00017	0.00016	0.00012	0.00009	0.00011
4	9	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00010	0.00022	0.00019	0.00012	0.00010	0.00011
4	9	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	9	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00011	0.00026	0.00020	0.00013	0.00010	0.00011
4	9	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00011	0.00025	0.00018	0.00012	0.00010	0.00011
4	9	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	9	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	9	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	10	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	10	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	10	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	10	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	10	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	10	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	10	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
4	10	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00008	0.00001	0.00009	0.00012	0.00016	0.00012
4	10	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	10	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
4	10	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	10	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00010	0.00005	0.00010	0.00012	0.00010	0.00012
4	10	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00010	0.00007	0.00010	0.00013	0.00009	0.00012
4	10	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00010	0.00009	0.00011	0.00013	0.00009	0.00012
4	10	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
4	10	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
4	10	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00010	0.00017	0.00016	0.00012	0.00009	0.00011
4	10	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00010	0.00022	0.00019	0.00012	0.00010	0.00011
4	10	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00010	0.00025	0.00021	0.00012	0.00011	0.00012
4	10	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00011	0.00026	0.00020	0.00012	0.00010	0.00011
4	10	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	10	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	10	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	10	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	11	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00008	0.00014	0.00009	0.00009	0.00012	0.00008
4	11	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	11	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	11	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	11	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	11	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	11	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	11	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	11	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	11	10	0.00013	0.00003	0.00014	0.00013	0.00012	0.00012	0.00011	0.00003	0.00014	0.00013	0.00012	0.00012
4	11	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00011	0.00004	0.00011	0.00013	0.00011	0.00012
4	11	12	0.00013	0.00005	0.00010	0.00013	0.00010	0.00012	0.00012	0.00005	0.00010	0.00013	0.00010	0.00012
4	11	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00012	0.00007	0.00010	0.00013	0.00009	0.00012
4	11	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00012	0.00009	0.00011	0.00013	0.00009	0.00012
4	11	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
4	11	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
4	11	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	11	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011
4	11	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	11	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	11	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	11	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	11	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	11	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	12	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	12	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	12	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	12	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	12	5	0.00010	0.00003	0.00002	0.00010	0.00017	0.00009	0.00008	0.00003	0.00002	0.00010	0.00017	0.00009
4	12	6	0.00011	0.00002	0.00002	0.00011	0.00018	0.00010	0.00009	0.00002	0.00002	0.00011	0.00018	0.00010
4	12	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	12	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	12	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	12	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	12	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	12	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	12	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
4	12	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
4	12	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
4	12	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
4	12	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	12	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00012	0.00022	0.00019	0.00011	0.00010	0.00011
4	12	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	12	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	12	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	12	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	12	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	12	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	13	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	13	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	13	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	13	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	13	5	0.00010	0.00003	0.00002	0.00010	0.00017	0.00009	0.00008	0.00003	0.00002	0.00010	0.00017	0.00009
4	13	6	0.00011	0.00002	0.00002	0.00011	0.00018	0.00010	0.00009	0.00002	0.00002	0.00011	0.00018	0.00010
4	13	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	13	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	13	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	13	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	13	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	13	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012
4	13	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
4	13	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
4	13	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
4	13	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
4	13	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	13	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00012	0.00022	0.00019	0.00011	0.00010	0.00011
4	13	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	13	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	13	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	13	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	13	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	13	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	14	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	14	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	14	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	14	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	14	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	14	6	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
4	14	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	14	8	0.00010	0.00001	0.00009	0.00010	0.00016	0.00012	0.00010	0.00001	0.00009	0.00010	0.00016	0.00012
4	14	9	0.00011	0.00003	0.00014	0.00011	0.00014	0.00012	0.00011	0.00003	0.00014	0.00011	0.00014	0.00012
4	14	10	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
4	14	11	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012	0.00012	0.00004	0.00011	0.00011	0.00011	0.00012
4	14	12	0.00011	0.00005	0.00010	0.00011	0.00010	0.00012	0.00012	0.00005	0.00010	0.00011	0.00010	0.00012
4	14	13	0.00011	0.00007	0.00010	0.00011	0.00009	0.00012	0.00012	0.00007	0.00010	0.00011	0.00009	0.00012
4	14	14	0.00011	0.00009	0.00011	0.00011	0.00009	0.00012	0.00012	0.00009	0.00011	0.00011	0.00009	0.00012
4	14	15	0.00011	0.00010	0.00012	0.00011	0.00009	0.00012	0.00012	0.00010	0.00012	0.00011	0.00009	0.00012
4	14	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
4	14	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00012	0.00017	0.00016	0.00010	0.00009	0.00011
4	14	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00012	0.00022	0.00019	0.00011	0.00010	0.00011
4	14	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00012	0.00025	0.00021	0.00011	0.00011	0.00012
4	14	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	14	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00013	0.00025	0.00018	0.00011	0.00010	0.00011
4	14	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	14	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	14	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	15	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	15	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	15	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	15	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	15	5	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009
4	15	6	0.00008	0.00002	0.00002	0.00008	0.00018	0.00010	0.00009	0.00002	0.00002	0.00008	0.00018	0.00010
4	15	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	15	8	0.00009	0.00001	0.00009	0.00009	0.00016	0.00012	0.00010	0.00001	0.00009	0.00009	0.00016	0.00012
4	15	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	15	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
4	15	11	0.00010	0.00004	0.00011	0.00010	0.00011	0.00012	0.00011	0.00004	0.00011	0.00010	0.00011	0.00012
4	15	12	0.00010	0.00005	0.00010	0.00010	0.00010	0.00012	0.00012	0.00005	0.00010	0.00010	0.00010	0.00012
4	15	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
4	15	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00012	0.00009	0.00011	0.00010	0.00009	0.00012
4	15	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00012	0.00010	0.00012	0.00010	0.00009	0.00012
4	15	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00012	0.00013	0.00014	0.00010	0.00009	0.00012
4	15	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00012	0.00017	0.00016	0.00010	0.00009	0.00011
4	15	18	0.00010	0.00022	0.00019	0.00010	0.00010	0.00011	0.00012	0.00022	0.00019	0.00010	0.00010	0.00011
4	15	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012
4	15	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	15	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00012	0.00025	0.00018	0.00011	0.00010	0.00011
4	15	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010
4	15	23	0.00009	0.00022	0.00015	0.00009	0.00010	0.00009	0.00011	0.00022	0.00015	0.00009	0.00010	0.00009
4	15	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	16	1	0.00008	0.00014	0.00009	0.00008	0.00012	0.00008	0.00009	0.00014	0.00009	0.00008	0.00012	0.00008
4	16	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00009	0.00010	0.00006	0.00008	0.00013	0.00008
4	16	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	16	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	16	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	16	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	16	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00009	0.00001	0.00004	0.00011	0.00017	0.00011
4	16	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00009	0.00001	0.00009	0.00012	0.00016	0.00012
4	16	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00010	0.00003	0.00014	0.00012	0.00014	0.00012
4	16	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
4	16	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
4	16	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00011	0.00005	0.00010	0.00012	0.00010	0.00012
4	16	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
4	16	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
4	16	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
4	16	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
4	16	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00011	0.00017	0.00016	0.00012	0.00009	0.00011
4	16	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	16	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	16	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	16	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	16	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	16	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	16	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	17	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	17	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	17	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	17	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	17	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	17	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	17	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
4	17	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00008	0.00001	0.00009	0.00012	0.00016	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	17	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	17	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
4	17	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	17	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00010	0.00005	0.00010	0.00012	0.00010	0.00012
4	17	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
4	17	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
4	17	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
4	17	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
4	17	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	17	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011
4	17	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	17	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	17	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00013	0.00025	0.00018	0.00012	0.00010	0.00011
4	17	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	17	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	17	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	18	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	18	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	18	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	18	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	18	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	18	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	18	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	18	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	18	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	18	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
4	18	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
4	18	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00013	0.00005	0.00010	0.00012	0.00010	0.00012
4	18	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00013	0.00007	0.00010	0.00012	0.00009	0.00012
4	18	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00014	0.00009	0.00011	0.00012	0.00009	0.00012
4	18	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00014	0.00010	0.00012	0.00012	0.00009	0.00012
4	18	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00014	0.00013	0.00014	0.00012	0.00009	0.00012
4	18	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00014	0.00017	0.00016	0.00012	0.00009	0.00011
4	18	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00014	0.00022	0.00019	0.00011	0.00010	0.00011
4	18	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00014	0.00025	0.00021	0.00012	0.00011	0.00012
4	18	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00014	0.00026	0.00020	0.00013	0.00010	0.00011
4	18	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00014	0.00025	0.00018	0.00012	0.00010	0.00011
4	18	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00013	0.00023	0.00017	0.00011	0.00010	0.00010
4	18	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00012	0.00022	0.00015	0.00010	0.00010	0.00009
4	18	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
4	19	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	19	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
4	19	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008
4	19	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	19	5	0.00010	0.00003	0.00002	0.00010	0.00017	0.00009	0.00008	0.00003	0.00002	0.00010	0.00017	0.00009
4	19	6	0.00011	0.00002	0.00002	0.00011	0.00018	0.00010	0.00009	0.00002	0.00002	0.00011	0.00018	0.00010
4	19	7	0.00012	0.00001	0.00004	0.00012	0.00017	0.00011	0.00010	0.00001	0.00004	0.00012	0.00017	0.00011
4	19	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00011	0.00001	0.00009	0.00012	0.00016	0.00012
4	19	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	19	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
4	19	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00013	0.00004	0.00011	0.00012	0.00011	0.00012
4	19	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00013	0.00005	0.00010	0.00012	0.00010	0.00012
4	19	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00014	0.00007	0.00010	0.00012	0.00009	0.00012
4	19	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00014	0.00009	0.00011	0.00012	0.00009	0.00012
4	19	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00014	0.00010	0.00012	0.00012	0.00009	0.00012
4	19	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00015	0.00013	0.00014	0.00012	0.00009	0.00012
4	19	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00015	0.00017	0.00016	0.00012	0.00009	0.00011
4	19	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00015	0.00022	0.00019	0.00012	0.00010	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
4	19	19
4	19	20
4	19	21
4	19	22
4	19	23
4	19	24
4	20	1
4	20	2
4	20	3
4	20	4
4	20	5
4	20	6
4	20	7
4	20	8
4	20	9
4	20	10
4	20	11
4	20	12
4	20	13
4	20	14
4	20	15
4	20	16
4	20	17
4	20	18
4	20	19
4	20	20
4	20	21
4	20	22
4	20	23
4	20	24
4	21	1
4	21	2
4	21	3
4	21	4
4	21	5
4	21	6
4	21	7
4	21	8
4	21	9
4	21	10
4	21	11
4	21	12
4	21	13
4	21	14
4	21	15
4	21	16
4	21	17
4	21	18
4	21	19
4	21	20
4	21	21
4	21	22
4	21	23
4	21	24
4	22	1
4	22	2
4	22	3
4	22	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00013	0.00026	0.00020	0.00013	0.00010	0.00011
0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
0.00009	0.00007	0.00005	0.00009	0.00014	0.00008
0.00009	0.00005	0.00003	0.00009	0.00015	0.00008
0.00009	0.00003	0.00002	0.00009	0.00017	0.00009
0.00010	0.00002	0.00002	0.00010	0.00018	0.00010
0.00011	0.00001	0.00004	0.00011	0.00017	0.00011
0.00012	0.00001	0.00009	0.00012	0.00016	0.00012
0.00012	0.00003	0.00014	0.00012	0.00014	0.00012
0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00012	0.00005	0.00010	0.00012	0.00010	0.00012
0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
0.00012	0.00010	0.00012	0.00012	0.00009	0.00012
0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
0.00011	0.00017	0.00016	0.00011	0.00009	0.00011
0.00011	0.00022	0.00019	0.00011	0.00010	0.00011
0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
0.00009	0.00007	0.00005	0.00009	0.00014	0.00008
0.00009	0.00005	0.00003	0.00009	0.00015	0.00008
0.00009	0.00003	0.00002	0.00009	0.00017	0.00009
0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
0.00009	0.00001	0.00004	0.00009	0.00017	0.00011
0.00010	0.00001	0.00009	0.00010	0.00016	0.00012
0.00010	0.00003	0.00014	0.00010	0.00014	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00011	0.00005	0.00010	0.00011	0.00010	0.00012
0.00011	0.00007	0.00010	0.00011	0.00009	0.00012
0.00010	0.00009	0.00011	0.00010	0.00009	0.00012
0.00010	0.00010	0.00012	0.00010	0.00009	0.00012
0.00010	0.00013	0.00014	0.00010	0.00009	0.00012
0.00010	0.00017	0.00016	0.00010	0.00009	0.00011
0.00011	0.00022	0.00019	0.00011	0.00010	0.00011
0.00011	0.00025	0.00021	0.00011	0.00011	0.00012
0.00011	0.00026	0.00020	0.00011	0.00010	0.00011
0.00011	0.00025	0.00018	0.00011	0.00010	0.00011
0.00010	0.00023	0.00017	0.00010	0.00010	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
0.00008	0.00005	0.00003	0.00008	0.00015	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00014	0.00025	0.00021	0.00012	0.00011	0.00012
0.00014	0.00026	0.00020	0.00013	0.00010	0.00011
0.00014	0.00025	0.00018	0.00012	0.00010	0.00011
0.00013	0.00023	0.00017	0.00011	0.00010	0.00010
0.00012	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
0.00010	0.00014	0.00009	0.00009	0.00012	0.00008
0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
0.00009	0.00007	0.00005	0.00009	0.00014	0.00008
0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
0.00011	0.00001	0.00009	0.00012	0.00016	0.00012
0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
0.00012	0.00003	0.00014	0.00012	0.00012	0.00012
0.00012	0.00004	0.00011	0.00012	0.00011	0.00012
0.00013	0.00005	0.00010	0.00012	0.00010	0.00012
0.00013	0.00007	0.00010	0.00012	0.00009	0.00012
0.00014	0.00009	0.00011	0.00012	0.00009	0.00012
0.00014	0.00010	0.00012	0.00012	0.00009	0.00012
0.00014	0.00013	0.00014	0.00012	0.00009	0.00012
0.00014	0.00017	0.00016	0.00011	0.00009	0.00011
0.00014	0.00022	0.00019	0.00011	0.00010	0.00011
0.00014	0.00025	0.00021	0.00012	0.00011	0.00012
0.00014	0.00026	0.00020	0.00012	0.00010	0.00011
0.00014	0.00025	0.00018	0.00012	0.00010	0.00011
0.00013	0.00023	0.00017	0.00011	0.00010	0.00010
0.00012	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00009	0.00010	0.00006	0.00009	0.00013	0.00008
0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
0.00009	0.00003	0.00002	0.00009	0.00017	0.00009
0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
0.00010	0.00001	0.00009	0.00010	0.00016	0.00012
0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
0.00012	0.00004	0.00011	0.00011	0.00011	0.00012
0.00012	0.00005	0.00010	0.00011	0.00010	0.00012
0.00013	0.00007	0.00010	0.00011	0.00009	0.00012
0.00013	0.00009	0.00011	0.00010	0.00009	0.00012
0.00013	0.00010	0.00012	0.00010	0.00009	0.00012
0.00013	0.00013	0.00014	0.00010	0.00009	0.00012
0.00013	0.00017	0.00016	0.00010	0.00009	0.00011
0.00013	0.00022	0.00019	0.00011	0.00010	0.00011
0.00013	0.00025	0.00021	0.00011	0.00011	0.00012
0.00013	0.00026	0.00020	0.00011	0.00010	0.00011
0.00013	0.00025	0.00018	0.00011	0.00010	0.00011
0.00013	0.00023	0.00017	0.00010	0.00010	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00009	0.00010	0.00006	0.00008	0.00013	0.00008
0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
0.00008	0.00005	0.00003	0.00008	0.00015	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	22	5	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009
4	22	6	0.00008	0.00002	0.00002	0.00008	0.00018	0.00010	0.00009	0.00002	0.00002	0.00008	0.00018	0.00010
4	22	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	22	8	0.00009	0.00001	0.00009	0.00009	0.00016	0.00012	0.00010	0.00001	0.00009	0.00009	0.00016	0.00012
4	22	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	22	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012
4	22	11	0.00010	0.00004	0.00011	0.00010	0.00011	0.00012	0.00012	0.00004	0.00011	0.00010	0.00011	0.00012
4	22	12	0.00010	0.00005	0.00010	0.00010	0.00010	0.00012	0.00012	0.00005	0.00010	0.00010	0.00010	0.00012
4	22	13	0.00010	0.00007	0.00010	0.00010	0.00009	0.00012	0.00012	0.00007	0.00010	0.00010	0.00009	0.00012
4	22	14	0.00010	0.00009	0.00011	0.00010	0.00009	0.00012	0.00013	0.00009	0.00011	0.00010	0.00009	0.00012
4	22	15	0.00010	0.00010	0.00012	0.00010	0.00009	0.00012	0.00013	0.00010	0.00012	0.00010	0.00009	0.00012
4	22	16	0.00010	0.00013	0.00014	0.00010	0.00009	0.00012	0.00013	0.00013	0.00014	0.00010	0.00009	0.00012
4	22	17	0.00010	0.00017	0.00016	0.00010	0.00009	0.00011	0.00012	0.00017	0.00016	0.00010	0.00009	0.00011
4	22	18	0.00010	0.00022	0.00019	0.00010	0.00010	0.00011	0.00012	0.00022	0.00019	0.00010	0.00010	0.00011
4	22	19	0.00011	0.00025	0.00021	0.00011	0.00011	0.00012	0.00012	0.00025	0.00021	0.00011	0.00011	0.00012
4	22	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	22	21	0.00011	0.00025	0.00018	0.00011	0.00010	0.00011	0.00013	0.00025	0.00018	0.00011	0.00010	0.00011
4	22	22	0.00010	0.00023	0.00017	0.00010	0.00010	0.00010	0.00012	0.00023	0.00017	0.00010	0.00010	0.00010
4	22	23	0.00009	0.00022	0.00015	0.00009	0.00010	0.00009	0.00011	0.00022	0.00015	0.00009	0.00010	0.00009
4	22	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	23	1	0.00008	0.00014	0.00009	0.00008	0.00012	0.00008	0.00009	0.00014	0.00009	0.00008	0.00012	0.00008
4	23	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00009	0.00010	0.00006	0.00008	0.00013	0.00008
4	23	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	23	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	23	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	23	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	23	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
4	23	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00009	0.00001	0.00009	0.00012	0.00016	0.00012
4	23	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	23	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00010	0.00003	0.00014	0.00012	0.00012	0.00012
4	23	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	23	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00011	0.00005	0.00010	0.00012	0.00010	0.00012
4	23	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00011	0.00007	0.00010	0.00012	0.00009	0.00012
4	23	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00011	0.00009	0.00011	0.00012	0.00009	0.00012
4	23	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00011	0.00010	0.00012	0.00012	0.00009	0.00012
4	23	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00011	0.00013	0.00014	0.00012	0.00009	0.00012
4	23	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00011	0.00017	0.00016	0.00012	0.00009	0.00011
4	23	18	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011	0.00011	0.00022	0.00019	0.00011	0.00010	0.00011
4	23	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	23	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011	0.00011	0.00026	0.00020	0.00012	0.00010	0.00011
4	23	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	23	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	23	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	23	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	24	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	24	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	24	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	24	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	24	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	24	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
4	24	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
4	24	8	0.00011	0.00001	0.00009	0.00011	0.00016	0.00012	0.00008	0.00001	0.00009	0.00011	0.00016	0.00012
4	24	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
4	24	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00009	0.00003	0.00014	0.00012	0.00012	0.00012
4	24	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00010	0.00004	0.00011	0.00012	0.00011	0.00012
4	24	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00010	0.00005	0.00010	0.00012	0.00010	0.00012
4	24	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00010	0.00007	0.00010	0.00012	0.00009	0.00012
4	24	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00010	0.00009	0.00011	0.00012	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	24	15	0.00012	0.00010	0.00012	0.00012	0.00009	0.00012	0.00010	0.00010	0.00012	0.00012	0.00009	0.00012
4	24	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012	0.00010	0.00013	0.00014	0.00012	0.00009	0.00012
4	24	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00010	0.00017	0.00016	0.00012	0.00009	0.00011
4	24	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00010	0.00022	0.00019	0.00012	0.00010	0.00011
4	24	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	24	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00011	0.00026	0.00020	0.00013	0.00010	0.00011
4	24	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	24	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	24	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	24	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
4	25	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	25	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	25	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	25	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	25	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	25	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	25	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	25	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	25	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	25	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	25	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00012	0.00004	0.00011	0.00013	0.00011	0.00012
4	25	12	0.00013	0.00005	0.00010	0.00013	0.00010	0.00012	0.00012	0.00005	0.00010	0.00013	0.00010	0.00012
4	25	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00012	0.00007	0.00010	0.00013	0.00009	0.00012
4	25	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00012	0.00009	0.00011	0.00013	0.00009	0.00012
4	25	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00012	0.00010	0.00012	0.00013	0.00009	0.00012
4	25	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00012	0.00013	0.00014	0.00013	0.00009	0.00012
4	25	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00011	0.00017	0.00016	0.00012	0.00009	0.00011
4	25	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	25	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	25	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	25	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	25	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	25	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	25	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
4	26	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	26	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	26	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	26	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	26	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	26	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	26	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	26	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	26	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	26	10	0.00012	0.00003	0.00014	0.00012	0.00012	0.00012	0.00011	0.00003	0.00014	0.00012	0.00012	0.00012
4	26	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00011	0.00004	0.00011	0.00013	0.00011	0.00012
4	26	12	0.00013	0.00005	0.00010	0.00013	0.00010	0.00012	0.00012	0.00005	0.00010	0.00013	0.00010	0.00012
4	26	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012	0.00012	0.00007	0.00010	0.00013	0.00009	0.00012
4	26	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012	0.00012	0.00009	0.00011	0.00013	0.00009	0.00012
4	26	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00012	0.00010	0.00012	0.00013	0.00009	0.00012
4	26	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00012	0.00013	0.00014	0.00013	0.00009	0.00012
4	26	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	26	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	26	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	26	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	26	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	26	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	26	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	26	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008	0.00011	0.00018	0.00012	0.00009	0.00011	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	27	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	27	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	27	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	27	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	27	5	0.00010	0.00003	0.00002	0.00010	0.00017	0.00009	0.00008	0.00003	0.00002	0.00010	0.00017	0.00009
4	27	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010	0.00009	0.00002	0.00002	0.00010	0.00018	0.00010
4	27	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011	0.00010	0.00001	0.00004	0.00011	0.00017	0.00011
4	27	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012	0.00010	0.00001	0.00009	0.00012	0.00016	0.00012
4	27	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012	0.00011	0.00003	0.00014	0.00012	0.00014	0.00012
4	27	10	0.00013	0.00003	0.00014	0.00013	0.00012	0.00012	0.00011	0.00003	0.00014	0.00013	0.00012	0.00012
4	27	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012	0.00011	0.00004	0.00011	0.00013	0.00011	0.00012
4	27	12	0.00013	0.00005	0.00010	0.00013	0.00010	0.00012	0.00012	0.00005	0.00010	0.00013	0.00010	0.00012
4	27	13	0.00014	0.00007	0.00010	0.00014	0.00009	0.00012	0.00012	0.00007	0.00010	0.00014	0.00009	0.00012
4	27	14	0.00014	0.00009	0.00011	0.00014	0.00009	0.00012	0.00012	0.00009	0.00011	0.00014	0.00009	0.00012
4	27	15	0.00014	0.00010	0.00012	0.00014	0.00009	0.00012	0.00012	0.00010	0.00012	0.00014	0.00009	0.00012
4	27	16	0.00014	0.00013	0.00014	0.00014	0.00009	0.00012	0.00012	0.00013	0.00014	0.00014	0.00009	0.00012
4	27	17	0.00013	0.00017	0.00016	0.00013	0.00009	0.00011	0.00012	0.00017	0.00016	0.00013	0.00009	0.00011
4	27	18	0.00013	0.00022	0.00019	0.00013	0.00010	0.00011	0.00011	0.00022	0.00019	0.00013	0.00010	0.00011
4	27	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012	0.00011	0.00025	0.00021	0.00013	0.00011	0.00012
4	27	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	27	21	0.00013	0.00025	0.00018	0.00013	0.00010	0.00011	0.00012	0.00025	0.00018	0.00013	0.00010	0.00011
4	27	22	0.00012	0.00023	0.00017	0.00012	0.00010	0.00010	0.00012	0.00023	0.00017	0.00012	0.00010	0.00010
4	27	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
4	27	24	0.00010	0.00018	0.00012	0.00010	0.00011	0.00008	0.00011	0.00018	0.00012	0.00010	0.00011	0.00008
4	28	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	28	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	28	3	0.00009	0.00007	0.00005	0.00009	0.00014	0.00008	0.00008	0.00007	0.00005	0.00009	0.00014	0.00008
4	28	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008	0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
4	28	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009	0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
4	28	6	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010	0.00009	0.00002	0.00002	0.00009	0.00018	0.00010
4	28	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	28	8	0.00010	0.00001	0.00009	0.00010	0.00016	0.00012	0.00010	0.00001	0.00009	0.00010	0.00016	0.00012
4	28	9	0.00011	0.00003	0.00014	0.00011	0.00014	0.00012	0.00011	0.00003	0.00014	0.00011	0.00014	0.00012
4	28	10	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012	0.00011	0.00003	0.00014	0.00011	0.00012	0.00012
4	28	11	0.00012	0.00004	0.00011	0.00012	0.00011	0.00012	0.00011	0.00004	0.00011	0.00012	0.00011	0.00012
4	28	12	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012	0.00012	0.00005	0.00010	0.00012	0.00010	0.00012
4	28	13	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012	0.00012	0.00007	0.00010	0.00012	0.00009	0.00012
4	28	14	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012	0.00012	0.00009	0.00011	0.00012	0.00009	0.00012
4	28	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012	0.00012	0.00010	0.00012	0.00013	0.00009	0.00012
4	28	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012	0.00012	0.00013	0.00014	0.00013	0.00009	0.00012
4	28	17	0.00013	0.00017	0.00016	0.00013	0.00009	0.00011	0.00011	0.00017	0.00016	0.00013	0.00009	0.00011
4	28	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011	0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
4	28	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012	0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
4	28	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011	0.00012	0.00026	0.00020	0.00013	0.00010	0.00011
4	28	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	28	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010	0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
4	28	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
4	28	24	0.00010	0.00018	0.00012	0.00010	0.00011	0.00008	0.00011	0.00018	0.00012	0.00010	0.00011	0.00008
4	29	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	29	2	0.00009	0.00010	0.00006	0.00009	0.00013	0.00008	0.00008	0.00010	0.00006	0.00009	0.00013	0.00008
4	29	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	29	4	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008	0.00008	0.00005	0.00003	0.00008	0.00015	0.00008
4	29	5	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009	0.00008	0.00003	0.00002	0.00008	0.00017	0.00009
4	29	6	0.00008	0.00002	0.00002	0.00008	0.00018	0.00010	0.00009	0.00002	0.00002	0.00008	0.00018	0.00010
4	29	7	0.00009	0.00001	0.00004	0.00009	0.00017	0.00011	0.00010	0.00001	0.00004	0.00009	0.00017	0.00011
4	29	8	0.00009	0.00001	0.00009	0.00009	0.00016	0.00012	0.00010	0.00001	0.00009	0.00009	0.00016	0.00012
4	29	9	0.00010	0.00003	0.00014	0.00010	0.00014	0.00012	0.00011	0.00003	0.00014	0.00010	0.00014	0.00012
4	29	10	0.00010	0.00003	0.00014	0.00010	0.00012	0.00012	0.00011	0.00003	0.00014	0.00010	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
4	29	11	0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
4	29	12	0.00011	0.00005	0.00010	0.00011	0.00010	0.00012
4	29	13	0.00011	0.00007	0.00010	0.00011	0.00009	0.00012
4	29	14	0.00011	0.00009	0.00011	0.00011	0.00009	0.00012
4	29	15	0.00011	0.00010	0.00012	0.00011	0.00009	0.00012
4	29	16	0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
4	29	17	0.00012	0.00017	0.00016	0.00012	0.00009	0.00011
4	29	18	0.00012	0.00022	0.00019	0.00012	0.00010	0.00011
4	29	19	0.00012	0.00025	0.00021	0.00012	0.00011	0.00012
4	29	20	0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
4	29	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	29	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	29	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	29	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008
4	30	1	0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
4	30	2	0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
4	30	3	0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
4	30	4	0.00009	0.00005	0.00003	0.00009	0.00015	0.00008
4	30	5	0.00009	0.00003	0.00002	0.00009	0.00017	0.00009
4	30	6	0.00010	0.00002	0.00002	0.00010	0.00018	0.00010
4	30	7	0.00011	0.00001	0.00004	0.00011	0.00017	0.00011
4	30	8	0.00012	0.00001	0.00009	0.00012	0.00016	0.00012
4	30	9	0.00012	0.00003	0.00014	0.00012	0.00014	0.00012
4	30	10	0.00013	0.00003	0.00014	0.00013	0.00012	0.00012
4	30	11	0.00013	0.00004	0.00011	0.00013	0.00011	0.00012
4	30	12	0.00013	0.00005	0.00010	0.00013	0.00010	0.00012
4	30	13	0.00013	0.00007	0.00010	0.00013	0.00009	0.00012
4	30	14	0.00013	0.00009	0.00011	0.00013	0.00009	0.00012
4	30	15	0.00013	0.00010	0.00012	0.00013	0.00009	0.00012
4	30	16	0.00013	0.00013	0.00014	0.00013	0.00009	0.00012
4	30	17	0.00013	0.00017	0.00016	0.00013	0.00009	0.00011
4	30	18	0.00013	0.00022	0.00019	0.00013	0.00010	0.00011
4	30	19	0.00013	0.00025	0.00021	0.00013	0.00011	0.00012
4	30	20	0.00013	0.00026	0.00020	0.00013	0.00010	0.00011
4	30	21	0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
4	30	22	0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
4	30	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
4	30	24	0.00009	0.00018	0.00012	0.00009	0.00011	0.00008
5	1	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	1	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	1	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
5	1	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
5	1	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
5	1	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
5	1	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
5	1	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
5	1	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
5	1	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
5	1	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
5	1	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
5	1	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
5	1	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
5	1	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
5	1	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
5	1	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00011
5	1	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
5	1	19	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
5	1	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012

Default Shapes (normalized to annual total; MW/annual MWh)

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00004	0.00011	0.00011	0.00011	0.00012
0.00012	0.00005	0.00010	0.00011	0.00010	0.00012
0.00012	0.00007	0.00010	0.00011	0.00009	0.00012
0.00012	0.00009	0.00011	0.00011	0.00009	0.00012
0.00012	0.00010	0.00012	0.00011	0.00009	0.00012
0.00012	0.00013	0.00014	0.00012	0.00009	0.00012
0.00011	0.00017	0.00016	0.00012	0.00009	0.00011
0.00011	0.00022	0.00019	0.00012	0.00010	0.00011
0.00011	0.00025	0.00021	0.00012	0.00011	0.00012
0.00012	0.00026	0.00020	0.00012	0.00010	0.00011
0.00012	0.00025	0.00018	0.00012	0.00010	0.00011
0.00012	0.00023	0.00017	0.00011	0.00010	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00012	0.00008
0.00008	0.00010	0.00006	0.00008	0.00013	0.00008
0.00008	0.00007	0.00005	0.00008	0.00014	0.00008
0.00008	0.00005	0.00003	0.00009	0.00015	0.00008
0.00008	0.00003	0.00002	0.00009	0.00017	0.00009
0.00008	0.00002	0.00002	0.00010	0.00018	0.00010
0.00008	0.00001	0.00004	0.00011	0.00017	0.00011
0.00009	0.00001	0.00009	0.00012	0.00016	0.00012
0.00009	0.00003	0.00014	0.00012	0.00014	0.00012
0.00010	0.00003	0.00014	0.00013	0.00012	0.00012
0.00010	0.00004	0.00011	0.00013	0.00011	0.00012
0.00010	0.00005	0.00010	0.00013	0.00010	0.00012
0.00010	0.00007	0.00010	0.00013	0.00009	0.00012
0.00010	0.00009	0.00011	0.00013	0.00009	0.00012
0.00010	0.00010	0.00012	0.00013	0.00009	0.00012
0.00010	0.00013	0.00014	0.00013	0.00009	0.00012
0.00010	0.00017	0.00016	0.00013	0.00009	0.00011
0.00010	0.00022	0.00019	0.00013	0.00010	0.00011
0.00010	0.00025	0.00021	0.00013	0.00011	0.00012
0.00011	0.00026	0.00020	0.00013	0.00010	0.00011
0.00011	0.00025	0.00018	0.00012	0.00010	0.00011
0.00011	0.00023	0.00017	0.00011	0.00010	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00010	0.00018	0.00012	0.00009	0.00011	0.00008
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
0.00009	0.00003	0.00013	0.00012	0.00010	0.00013
0.00010	0.00004	0.00011	0.00012	0.00009	0.00013
0.00010	0.00005	0.00010	0.00013	0.00008	0.00012
0.00010	0.00007	0.00010	0.00013	0.00008	0.00012
0.00010	0.00009	0.00011	0.00013	0.00008	0.00012
0.00010	0.00010	0.00012	0.00013	0.00008	0.00012
0.00010	0.00014	0.00014	0.00012	0.00008	0.00012
0.00010	0.00017	0.00016	0.00012	0.00008	0.00011
0.00010	0.00021	0.00019	0.00012	0.00009	0.00011
0.00011	0.00024	0.00020	0.00012	0.00010	0.00012
0.00011	0.00025	0.00020	0.00013	0.00010	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	1	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
5	1	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
5	1	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
5	1	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00010	0.00018	0.00012	0.00009	0.00010	0.00009
5	2	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	2	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	2	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	2	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	2	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	2	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	2	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	2	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	2	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
5	2	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
5	2	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	2	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
5	2	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00012	0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
5	2	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00012	0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
5	2	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00012	0.00013	0.00010	0.00012	0.00012	0.00008	0.00012
5	2	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00012	0.00013	0.00014	0.00014	0.00012	0.00008	0.00012
5	2	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00011	0.00013	0.00017	0.00016	0.00012	0.00008	0.00011
5	2	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011	0.00013	0.00021	0.00019	0.00012	0.00009	0.00011
5	2	19	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012	0.00013	0.00024	0.00020	0.00012	0.00010	0.00012
5	2	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
5	2	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
5	2	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
5	2	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	2	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
5	3	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	3	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	3	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
5	3	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	3	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	3	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	3	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	3	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	3	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
5	3	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
5	3	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
5	3	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
5	3	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00012	0.00013	0.00007	0.00010	0.00012	0.00008	0.00012
5	3	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00012	0.00013	0.00009	0.00011	0.00012	0.00008	0.00012
5	3	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00012	0.00013	0.00010	0.00012	0.00012	0.00008	0.00012
5	3	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00012	0.00013	0.00014	0.00014	0.00012	0.00008	0.00012
5	3	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00011	0.00013	0.00017	0.00016	0.00012	0.00008	0.00011
5	3	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011	0.00013	0.00021	0.00019	0.00012	0.00009	0.00011
5	3	19	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012	0.00013	0.00024	0.00020	0.00012	0.00010	0.00012
5	3	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
5	3	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
5	3	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
5	3	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	3	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
5	4	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	4	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	4	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	4	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	4	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	4	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
5	4	7
5	4	8
5	4	9
5	4	10
5	4	11
5	4	12
5	4	13
5	4	14
5	4	15
5	4	16
5	4	17
5	4	18
5	4	19
5	4	20
5	4	21
5	4	22
5	4	23
5	4	24
5	5	1
5	5	2
5	5	3
5	5	4
5	5	5
5	5	6
5	5	7
5	5	8
5	5	9
5	5	10
5	5	11
5	5	12
5	5	13
5	5	14
5	5	15
5	5	16
5	5	17
5	5	18
5	5	19
5	5	20
5	5	21
5	5	22
5	5	23
5	5	24
5	6	1
5	6	2
5	6	3
5	6	4
5	6	5
5	6	6
5	6	7
5	6	8
5	6	9
5	6	10
5	6	11
5	6	12
5	6	13
5	6	14
5	6	15
5	6	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
0.00011	0.00017	0.00016	0.00011	0.00008	0.00011
0.00011	0.00021	0.00019	0.00011	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
0.00009	0.00001	0.00004	0.00009	0.00013	0.00011
0.00010	0.00002	0.00008	0.00010	0.00012	0.00012
0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00012
0.00011	0.00007	0.00010	0.00011	0.00008	0.00012
0.00011	0.00009	0.00011	0.00011	0.00008	0.00012
0.00010	0.00010	0.00012	0.00010	0.00008	0.00012
0.00010	0.00014	0.00014	0.00010	0.00008	0.00012
0.00010	0.00017	0.00016	0.00010	0.00008	0.00011
0.00010	0.00021	0.00019	0.00010	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00011	0.00025	0.00020	0.00011	0.00010	0.00012
0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
0.00010	0.00023	0.00017	0.00010	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00008	0.00014	0.00009	0.00008	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00008	0.00012	0.00009
0.00008	0.00002	0.00002	0.00008	0.00013	0.00011
0.00009	0.00001	0.00004	0.00009	0.00013	0.00011
0.00009	0.00002	0.00008	0.00009	0.00012	0.00012
0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
0.00010	0.00003	0.00013	0.00010	0.00010	0.00013
0.00010	0.00004	0.00011	0.00010	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00012
0.00011	0.00007	0.00010	0.00011	0.00008	0.00012
0.00011	0.00009	0.00011	0.00011	0.00008	0.00012
0.00011	0.00010	0.00012	0.00011	0.00008	0.00012
0.00011	0.00014	0.00014	0.00011	0.00008	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
0.00012	0.00017	0.00016	0.00011	0.00008	0.00011
0.00012	0.00021	0.00019	0.00011	0.00009	0.00011
0.00012	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
0.00011	0.00002	0.00008	0.00010	0.00012	0.00012
0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
0.00012	0.00004	0.00011	0.00011	0.00009	0.00013
0.00012	0.00005	0.00010	0.00011	0.00008	0.00012
0.00012	0.00007	0.00010	0.00011	0.00008	0.00012
0.00012	0.00009	0.00011	0.00011	0.00008	0.00012
0.00012	0.00010	0.00012	0.00010	0.00008	0.00012
0.00012	0.00014	0.00014	0.00010	0.00008	0.00012
0.00012	0.00017	0.00016	0.00010	0.00008	0.00011
0.00012	0.00021	0.00019	0.00010	0.00009	0.00011
0.00012	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00011	0.00010	0.00012
0.00012	0.00024	0.00018	0.00011	0.00009	0.00011
0.00012	0.00023	0.00017	0.00010	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00008	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00008	0.00012	0.00009
0.00009	0.00002	0.00002	0.00008	0.00013	0.00011
0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
0.00011	0.00002	0.00008	0.00009	0.00012	0.00012
0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00010	0.00010	0.00013
0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
0.00012	0.00005	0.00010	0.00011	0.00008	0.00012
0.00012	0.00007	0.00010	0.00011	0.00008	0.00012
0.00012	0.00009	0.00011	0.00011	0.00008	0.00012
0.00012	0.00010	0.00012	0.00011	0.00008	0.00012
0.00012	0.00014	0.00014	0.00011	0.00008	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
5	6	17
5	6	18
5	6	19
5	6	20
5	6	21
5	6	22
5	6	23
5	6	24
5	7	1
5	7	2
5	7	3
5	7	4
5	7	5
5	7	6
5	7	7
5	7	8
5	7	9
5	7	10
5	7	11
5	7	12
5	7	13
5	7	14
5	7	15
5	7	16
5	7	17
5	7	18
5	7	19
5	7	20
5	7	21
5	7	22
5	7	23
5	7	24
5	8	1
5	8	2
5	8	3
5	8	4
5	8	5
5	8	6
5	8	7
5	8	8
5	8	9
5	8	10
5	8	11
5	8	12
5	8	13
5	8	14
5	8	15
5	8	16
5	8	17
5	8	18
5	8	19
5	8	20
5	8	21
5	8	22
5	8	23
5	8	24
5	9	1
5	9	2

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00017	0.00016	0.00011	0.00008	0.00011
0.00011	0.00021	0.00019	0.00011	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00013	0.00003	0.00013	0.00013	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00014	0.00004	0.00011	0.00014	0.00009	0.00013
0.00014	0.00005	0.00010	0.00014	0.00008	0.00012
0.00014	0.00007	0.00010	0.00014	0.00008	0.00012
0.00015	0.00009	0.00011	0.00015	0.00008	0.00012
0.00015	0.00010	0.00012	0.00015	0.00008	0.00012
0.00015	0.00014	0.00014	0.00015	0.00008	0.00012
0.00014	0.00017	0.00016	0.00014	0.00008	0.00011
0.00014	0.00021	0.00019	0.00014	0.00009	0.00011
0.00014	0.00024	0.00020	0.00014	0.00010	0.00012
0.00014	0.00025	0.00020	0.00014	0.00010	0.00012
0.00014	0.00024	0.00018	0.00014	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00010	0.00003	0.00002	0.00010	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00012	0.00001	0.00004	0.00012	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00013	0.00003	0.00013	0.00013	0.00011	0.00013
0.00014	0.00003	0.00013	0.00014	0.00010	0.00013
0.00014	0.00004	0.00011	0.00014	0.00009	0.00013
0.00015	0.00005	0.00010	0.00015	0.00008	0.00012
0.00015	0.00007	0.00010	0.00015	0.00008	0.00012
0.00016	0.00009	0.00011	0.00016	0.00008	0.00012
0.00016	0.00010	0.00012	0.00016	0.00008	0.00012
0.00016	0.00014	0.00014	0.00016	0.00008	0.00012
0.00015	0.00017	0.00016	0.00015	0.00008	0.00011
0.00015	0.00021	0.00019	0.00015	0.00009	0.00011
0.00014	0.00024	0.00020	0.00014	0.00010	0.00012
0.00015	0.00025	0.00020	0.00015	0.00010	0.00012
0.00014	0.00024	0.00018	0.00014	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00017	0.00016	0.00011	0.00008	0.00011
0.00011	0.00021	0.00019	0.00011	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
0.00009	0.00002	0.00008	0.00012	0.00012	0.00012
0.00010	0.00003	0.00013	0.00013	0.00011	0.00013
0.00010	0.00003	0.00013	0.00013	0.00010	0.00013
0.00010	0.00004	0.00011	0.00014	0.00009	0.00013
0.00011	0.00005	0.00010	0.00014	0.00008	0.00012
0.00011	0.00007	0.00010	0.00014	0.00008	0.00012
0.00010	0.00009	0.00011	0.00015	0.00008	0.00012
0.00010	0.00010	0.00012	0.00015	0.00008	0.00012
0.00010	0.00014	0.00014	0.00015	0.00008	0.00012
0.00010	0.00017	0.00016	0.00014	0.00008	0.00011
0.00010	0.00021	0.00019	0.00014	0.00009	0.00011
0.00010	0.00024	0.00020	0.00014	0.00010	0.00012
0.00011	0.00025	0.00020	0.00014	0.00010	0.00012
0.00011	0.00024	0.00018	0.00014	0.00009	0.00011
0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
0.00010	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
0.00008	0.00001	0.00004	0.00012	0.00013	0.00011
0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
0.00009	0.00003	0.00013	0.00013	0.00011	0.00013
0.00009	0.00003	0.00013	0.00014	0.00010	0.00013
0.00010	0.00004	0.00011	0.00014	0.00009	0.00013
0.00010	0.00005	0.00010	0.00015	0.00008	0.00012
0.00010	0.00007	0.00010	0.00015	0.00008	0.00012
0.00010	0.00009	0.00011	0.00016	0.00008	0.00012
0.00010	0.00010	0.00012	0.00016	0.00008	0.00012
0.00010	0.00014	0.00014	0.00016	0.00008	0.00012
0.00010	0.00017	0.00016	0.00015	0.00008	0.00011
0.00010	0.00021	0.00019	0.00015	0.00009	0.00011
0.00010	0.00024	0.00020	0.00014	0.00010	0.00012
0.00011	0.00025	0.00020	0.00015	0.00010	0.00012
0.00011	0.00024	0.00018	0.00014	0.00009	0.00011
0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
0.00010	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	9	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	9	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	9	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	9	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	9	7	0.00012	0.00001	0.00004	0.00012	0.00013	0.00011	0.00009	0.00001	0.00004	0.00012	0.00013	0.00011
5	9	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	9	9	0.00013	0.00003	0.00013	0.00013	0.00011	0.00013	0.00011	0.00003	0.00013	0.00013	0.00011	0.00013
5	9	10	0.00014	0.00003	0.00013	0.00014	0.00010	0.00013	0.00011	0.00003	0.00013	0.00014	0.00010	0.00013
5	9	11	0.00014	0.00004	0.00011	0.00014	0.00009	0.00013	0.00012	0.00004	0.00011	0.00014	0.00009	0.00013
5	9	12	0.00014	0.00005	0.00010	0.00014	0.00008	0.00012	0.00012	0.00005	0.00010	0.00014	0.00008	0.00012
5	9	13	0.00015	0.00007	0.00010	0.00015	0.00008	0.00012	0.00012	0.00007	0.00010	0.00015	0.00008	0.00012
5	9	14	0.00015	0.00009	0.00011	0.00015	0.00008	0.00012	0.00012	0.00009	0.00011	0.00015	0.00008	0.00012
5	9	15	0.00015	0.00010	0.00012	0.00015	0.00008	0.00012	0.00012	0.00010	0.00012	0.00015	0.00008	0.00012
5	9	16	0.00015	0.00014	0.00014	0.00015	0.00008	0.00012	0.00012	0.00014	0.00014	0.00015	0.00008	0.00012
5	9	17	0.00015	0.00017	0.00016	0.00015	0.00008	0.00011	0.00012	0.00017	0.00016	0.00015	0.00008	0.00011
5	9	18	0.00014	0.00021	0.00019	0.00014	0.00009	0.00011	0.00012	0.00021	0.00019	0.00014	0.00009	0.00011
5	9	19	0.00014	0.00024	0.00020	0.00014	0.00010	0.00012	0.00012	0.00024	0.00020	0.00014	0.00010	0.00012
5	9	20	0.00014	0.00025	0.00020	0.00014	0.00010	0.00012	0.00012	0.00025	0.00020	0.00014	0.00010	0.00012
5	9	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	9	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	9	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	9	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	10	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	10	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	10	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	10	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	10	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	10	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	10	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	10	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
5	10	9	0.00013	0.00003	0.00013	0.00013	0.00011	0.00013	0.00011	0.00003	0.00013	0.00013	0.00011	0.00013
5	10	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00012	0.00003	0.00013	0.00013	0.00010	0.00013
5	10	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	10	12	0.00014	0.00005	0.00010	0.00014	0.00008	0.00012	0.00012	0.00005	0.00010	0.00014	0.00008	0.00012
5	10	13	0.00014	0.00007	0.00010	0.00014	0.00008	0.00012	0.00012	0.00007	0.00010	0.00014	0.00008	0.00012
5	10	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00012	0.00012	0.00009	0.00011	0.00014	0.00008	0.00012
5	10	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00012	0.00012	0.00010	0.00012	0.00014	0.00008	0.00012
5	10	16	0.00014	0.00014	0.00014	0.00014	0.00008	0.00012	0.00012	0.00014	0.00014	0.00014	0.00008	0.00012
5	10	17	0.00014	0.00017	0.00016	0.00014	0.00008	0.00011	0.00012	0.00017	0.00016	0.00014	0.00008	0.00011
5	10	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00012	0.00021	0.00019	0.00013	0.00009	0.00011
5	10	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00012	0.00024	0.00020	0.00013	0.00010	0.00012
5	10	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
5	10	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	10	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	10	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	10	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	11	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	11	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	11	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	11	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	11	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	11	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	11	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	11	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
5	11	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
5	11	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
5	11	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	11	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00012	0.00005	0.00010	0.00013	0.00008	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	11	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00012	0.00007	0.00010	0.00013	0.00008	0.00012
5	11	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00012	0.00009	0.00011	0.00013	0.00008	0.00012
5	11	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00012	0.00010	0.00012	0.00013	0.00008	0.00012
5	11	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00012	0.00014	0.00014	0.00013	0.00008	0.00012
5	11	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00012	0.00017	0.00016	0.00013	0.00008	0.00011
5	11	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
5	11	19	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
5	11	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
5	11	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
5	11	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
5	11	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	11	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	12	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	12	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	12	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	12	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	12	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	12	6	0.00009	0.00002	0.00002	0.00009	0.00013	0.00011	0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
5	12	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011	0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
5	12	8	0.00010	0.00002	0.00008	0.00010	0.00012	0.00012	0.00011	0.00002	0.00008	0.00010	0.00012	0.00012
5	12	9	0.00011	0.00003	0.00013	0.00011	0.00011	0.00013	0.00011	0.00003	0.00013	0.00011	0.00011	0.00013
5	12	10	0.00011	0.00003	0.00013	0.00011	0.00010	0.00013	0.00012	0.00003	0.00013	0.00011	0.00010	0.00013
5	12	11	0.00011	0.00004	0.00011	0.00011	0.00009	0.00013	0.00012	0.00004	0.00011	0.00011	0.00009	0.00013
5	12	12	0.00011	0.00005	0.00010	0.00011	0.00008	0.00012	0.00012	0.00005	0.00010	0.00011	0.00008	0.00012
5	12	13	0.00011	0.00007	0.00010	0.00011	0.00008	0.00012	0.00013	0.00007	0.00010	0.00011	0.00008	0.00012
5	12	14	0.00011	0.00009	0.00011	0.00011	0.00008	0.00012	0.00013	0.00009	0.00011	0.00011	0.00008	0.00012
5	12	15	0.00011	0.00010	0.00012	0.00011	0.00008	0.00012	0.00013	0.00010	0.00012	0.00011	0.00008	0.00012
5	12	16	0.00011	0.00014	0.00014	0.00011	0.00008	0.00012	0.00013	0.00014	0.00014	0.00011	0.00008	0.00012
5	12	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00011	0.00013	0.00017	0.00016	0.00011	0.00008	0.00011
5	12	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00011	0.00013	0.00021	0.00019	0.00011	0.00009	0.00011
5	12	19	0.00011	0.00024	0.00020	0.00011	0.00010	0.00012	0.00013	0.00024	0.00020	0.00011	0.00010	0.00012
5	12	20	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012	0.00013	0.00025	0.00020	0.00012	0.00010	0.00012
5	12	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
5	12	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00013	0.00023	0.00017	0.00011	0.00009	0.00010
5	12	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	12	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
5	13	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	13	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00008	0.00009	0.00010	0.00007	0.00008	0.00010	0.00008
5	13	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
5	13	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
5	13	5	0.00008	0.00003	0.00002	0.00008	0.00012	0.00009	0.00008	0.00003	0.00002	0.00008	0.00012	0.00009
5	13	6	0.00008	0.00002	0.00002	0.00008	0.00013	0.00011	0.00009	0.00002	0.00002	0.00008	0.00013	0.00011
5	13	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011	0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
5	13	8	0.00009	0.00002	0.00008	0.00009	0.00012	0.00012	0.00011	0.00002	0.00008	0.00009	0.00012	0.00012
5	13	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
5	13	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00012	0.00003	0.00013	0.00010	0.00010	0.00013
5	13	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013	0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
5	13	12	0.00011	0.00005	0.00010	0.00011	0.00008	0.00012	0.00012	0.00005	0.00010	0.00011	0.00008	0.00012
5	13	13	0.00010	0.00007	0.00010	0.00010	0.00008	0.00012	0.00013	0.00007	0.00010	0.00010	0.00008	0.00012
5	13	14	0.00011	0.00009	0.00011	0.00011	0.00008	0.00012	0.00013	0.00009	0.00011	0.00011	0.00008	0.00012
5	13	15	0.00011	0.00010	0.00012	0.00011	0.00008	0.00012	0.00013	0.00010	0.00012	0.00011	0.00008	0.00012
5	13	16	0.00011	0.00014	0.00014	0.00011	0.00008	0.00012	0.00013	0.00014	0.00014	0.00011	0.00008	0.00012
5	13	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00011	0.00013	0.00017	0.00016	0.00011	0.00008	0.00011
5	13	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00011	0.00013	0.00021	0.00019	0.00011	0.00009	0.00011
5	13	19	0.00011	0.00024	0.00020	0.00011	0.00010	0.00012	0.00013	0.00024	0.00020	0.00011	0.00010	0.00012
5	13	20	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012	0.00013	0.00025	0.00020	0.00012	0.00010	0.00012
5	13	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
5	13	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	13	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00012	0.00022	0.00015	0.00010	0.00010	0.00009
5	13	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
5	14	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009	0.00010	0.00014	0.00009	0.00008	0.00010	0.00009
5	14	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00008	0.00009	0.00010	0.00007	0.00008	0.00010	0.00008
5	14	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008	0.00009	0.00007	0.00005	0.00008	0.00010	0.00008
5	14	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
5	14	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	14	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
5	14	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00009	0.00001	0.00004	0.00011	0.00013	0.00011
5	14	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00009	0.00002	0.00008	0.00012	0.00012	0.00012
5	14	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
5	14	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00010	0.00003	0.00013	0.00013	0.00010	0.00013
5	14	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00011	0.00004	0.00011	0.00013	0.00009	0.00013
5	14	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00011	0.00005	0.00010	0.00013	0.00008	0.00012
5	14	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00011	0.00007	0.00010	0.00013	0.00008	0.00012
5	14	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00011	0.00009	0.00011	0.00013	0.00008	0.00012
5	14	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00011	0.00010	0.00012	0.00013	0.00008	0.00012
5	14	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00011	0.00014	0.00014	0.00013	0.00008	0.00012
5	14	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00011	0.00017	0.00016	0.00013	0.00008	0.00011
5	14	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00011	0.00021	0.00019	0.00013	0.00009	0.00011
5	14	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00011	0.00024	0.00020	0.00013	0.00010	0.00012
5	14	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00011	0.00025	0.00020	0.00013	0.00010	0.00012
5	14	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00012	0.00024	0.00018	0.00013	0.00009	0.00011
5	14	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
5	14	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	14	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	15	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	15	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	15	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	15	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	15	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	15	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
5	15	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
5	15	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
5	15	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
5	15	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00009	0.00003	0.00013	0.00013	0.00010	0.00013
5	15	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
5	15	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00010	0.00005	0.00010	0.00013	0.00008	0.00012
5	15	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00010	0.00007	0.00010	0.00013	0.00008	0.00012
5	15	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00010	0.00009	0.00011	0.00013	0.00008	0.00012
5	15	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00010	0.00010	0.00012	0.00013	0.00008	0.00012
5	15	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00010	0.00014	0.00014	0.00013	0.00008	0.00012
5	15	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00010	0.00017	0.00016	0.00013	0.00008	0.00011
5	15	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00010	0.00021	0.00019	0.00013	0.00009	0.00011
5	15	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00011	0.00024	0.00020	0.00013	0.00010	0.00012
5	15	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00011	0.00025	0.00020	0.00013	0.00010	0.00012
5	15	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00012	0.00024	0.00018	0.00013	0.00009	0.00011
5	15	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
5	15	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
5	15	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
5	16	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	16	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	16	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	16	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	16	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	16	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	16	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00009	0.00001	0.00004	0.00011	0.00013	0.00011
5	16	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
5	16	9
5	16	10
5	16	11
5	16	12
5	16	13
5	16	14
5	16	15
5	16	16
5	16	17
5	16	18
5	16	19
5	16	20
5	16	21
5	16	22
5	16	23
5	16	24
5	17	1
5	17	2
5	17	3
5	17	4
5	17	5
5	17	6
5	17	7
5	17	8
5	17	9
5	17	10
5	17	11
5	17	12
5	17	13
5	17	14
5	17	15
5	17	16
5	17	17
5	17	18
5	17	19
5	17	20
5	17	21
5	17	22
5	17	23
5	17	24
5	18	1
5	18	2
5	18	3
5	18	4
5	18	5
5	18	6
5	18	7
5	18	8
5	18	9
5	18	10
5	18	11
5	18	12
5	18	13
5	18	14
5	18	15
5	18	16
5	18	17
5	18	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00013	0.00021	0.00019	0.00013	0.00009	0.00011
0.00013	0.00024	0.00020	0.00013	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00010	0.00003	0.00002	0.00010	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00012	0.00021	0.00019	0.00012	0.00009	0.00011

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
0.00012	0.00007	0.00010	0.00013	0.00008	0.00012
0.00012	0.00009	0.00011	0.00013	0.00008	0.00012
0.00012	0.00010	0.00012	0.00013	0.00008	0.00012
0.00012	0.00014	0.00014	0.00013	0.00008	0.00012
0.00012	0.00017	0.00016	0.00013	0.00008	0.00011
0.00012	0.00021	0.00019	0.00013	0.00009	0.00011
0.00012	0.00024	0.00020	0.00013	0.00010	0.00012
0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00013	0.00010	0.00013
0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
0.00012	0.00007	0.00010	0.00013	0.00008	0.00012
0.00012	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00013	0.00010	0.00013
0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
0.00012	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00013	0.00021	0.00019	0.00012	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
5	18	19
5	18	20
5	18	21
5	18	22
5	18	23
5	18	24
5	19	1
5	19	2
5	19	3
5	19	4
5	19	5
5	19	6
5	19	7
5	19	8
5	19	9
5	19	10
5	19	11
5	19	12
5	19	13
5	19	14
5	19	15
5	19	16
5	19	17
5	19	18
5	19	19
5	19	20
5	19	21
5	19	22
5	19	23
5	19	24
5	20	1
5	20	2
5	20	3
5	20	4
5	20	5
5	20	6
5	20	7
5	20	8
5	20	9
5	20	10
5	20	11
5	20	12
5	20	13
5	20	14
5	20	15
5	20	16
5	20	17
5	20	18
5	20	19
5	20	20
5	20	21
5	20	22
5	20	23
5	20	24
5	21	1
5	21	2
5	21	3
5	21	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
0.00010	0.00001	0.00004	0.00010	0.00013	0.00011
0.00010	0.00002	0.00008	0.00010	0.00012	0.00012
0.00011	0.00003	0.00013	0.00011	0.00011	0.00013
0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
0.00012	0.00017	0.00016	0.00012	0.00008	0.00011
0.00011	0.00021	0.00019	0.00011	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00008	0.00012	0.00009
0.00008	0.00002	0.00002	0.00008	0.00013	0.00011
0.00009	0.00001	0.00004	0.00009	0.00013	0.00011
0.00009	0.00002	0.00008	0.00009	0.00012	0.00012
0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
0.00010	0.00003	0.00013	0.00010	0.00010	0.00013
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00012
0.00011	0.00007	0.00010	0.00011	0.00008	0.00012
0.00011	0.00009	0.00011	0.00011	0.00008	0.00012
0.00011	0.00010	0.00012	0.00011	0.00008	0.00012
0.00011	0.00014	0.00014	0.00011	0.00008	0.00012
0.00011	0.00017	0.00016	0.00011	0.00008	0.00011
0.00011	0.00021	0.00019	0.00011	0.00009	0.00011
0.00011	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
0.00010	0.00001	0.00004	0.00010	0.00013	0.00011
0.00011	0.00002	0.00008	0.00010	0.00012	0.00012
0.00011	0.00003	0.00013	0.00011	0.00011	0.00013
0.00012	0.00003	0.00013	0.00011	0.00010	0.00013
0.00012	0.00004	0.00011	0.00011	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
0.00013	0.00014	0.00014	0.00012	0.00008	0.00012
0.00013	0.00017	0.00016	0.00012	0.00008	0.00011
0.00012	0.00021	0.00019	0.00011	0.00009	0.00011
0.00012	0.00024	0.00020	0.00011	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00008
0.00008	0.00007	0.00005	0.00008	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	21	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	21	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
5	21	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00009	0.00001	0.00004	0.00011	0.00013	0.00011
5	21	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00009	0.00002	0.00008	0.00012	0.00012	0.00012
5	21	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
5	21	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00010	0.00003	0.00013	0.00013	0.00010	0.00013
5	21	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00011	0.00004	0.00011	0.00013	0.00009	0.00013
5	21	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00011	0.00005	0.00010	0.00013	0.00008	0.00012
5	21	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00011	0.00007	0.00010	0.00013	0.00008	0.00012
5	21	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00011	0.00009	0.00011	0.00013	0.00008	0.00012
5	21	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00010	0.00010	0.00012	0.00013	0.00008	0.00012
5	21	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00010	0.00014	0.00014	0.00013	0.00008	0.00012
5	21	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00010	0.00017	0.00016	0.00013	0.00008	0.00011
5	21	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00010	0.00021	0.00019	0.00013	0.00009	0.00011
5	21	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00010	0.00024	0.00020	0.00013	0.00010	0.00012
5	21	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00011	0.00025	0.00020	0.00013	0.00010	0.00012
5	21	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00011	0.00024	0.00018	0.00012	0.00009	0.00011
5	21	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
5	21	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
5	21	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00010	0.00018	0.00012	0.00009	0.00010	0.00009
5	22	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	22	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	22	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	22	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	22	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	22	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
5	22	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
5	22	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
5	22	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
5	22	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00009	0.00003	0.00013	0.00013	0.00010	0.00013
5	22	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
5	22	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00010	0.00005	0.00010	0.00013	0.00008	0.00012
5	22	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00010	0.00007	0.00010	0.00013	0.00008	0.00012
5	22	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00010	0.00009	0.00011	0.00013	0.00008	0.00012
5	22	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00010	0.00010	0.00012	0.00013	0.00008	0.00012
5	22	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00010	0.00014	0.00014	0.00013	0.00008	0.00012
5	22	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00010	0.00017	0.00016	0.00013	0.00008	0.00011
5	22	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00010	0.00021	0.00019	0.00013	0.00009	0.00011
5	22	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00010	0.00024	0.00020	0.00013	0.00010	0.00012
5	22	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00011	0.00025	0.00020	0.00013	0.00010	0.00012
5	22	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00012	0.00024	0.00018	0.00013	0.00009	0.00011
5	22	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
5	22	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
5	22	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
5	23	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	23	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	23	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	23	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	23	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	23	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	23	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00009	0.00001	0.00004	0.00011	0.00013	0.00011
5	23	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	23	9	0.00013	0.00003	0.00013	0.00013	0.00011	0.00013	0.00011	0.00003	0.00013	0.00013	0.00011	0.00013
5	23	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
5	23	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	23	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
5	23	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00012	0.00007	0.00010	0.00013	0.00008	0.00012
5	23	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00012	0.00012	0.00009	0.00011	0.00014	0.00008	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	23	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00012	0.00012	0.00010	0.00012	0.00014	0.00008	0.00012
5	23	16	0.00014	0.00014	0.00014	0.00014	0.00008	0.00012	0.00012	0.00014	0.00014	0.00014	0.00008	0.00012
5	23	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00012	0.00017	0.00016	0.00013	0.00008	0.00011
5	23	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00012	0.00021	0.00019	0.00013	0.00009	0.00011
5	23	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00012	0.00024	0.00020	0.00013	0.00010	0.00012
5	23	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
5	23	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	23	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	23	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	23	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	24	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	24	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	24	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	24	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	24	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	24	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	24	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	24	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	24	9	0.00013	0.00003	0.00013	0.00013	0.00011	0.00013	0.00011	0.00003	0.00013	0.00013	0.00011	0.00013
5	24	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
5	24	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	24	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
5	24	13	0.00014	0.00007	0.00010	0.00014	0.00008	0.00012	0.00012	0.00007	0.00010	0.00014	0.00008	0.00012
5	24	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00012	0.00012	0.00009	0.00011	0.00014	0.00008	0.00012
5	24	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00012	0.00012	0.00010	0.00012	0.00014	0.00008	0.00012
5	24	16	0.00014	0.00014	0.00014	0.00014	0.00008	0.00012	0.00012	0.00014	0.00014	0.00014	0.00008	0.00012
5	24	17	0.00014	0.00017	0.00016	0.00014	0.00008	0.00011	0.00012	0.00017	0.00016	0.00014	0.00008	0.00011
5	24	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00012	0.00021	0.00019	0.00013	0.00009	0.00011
5	24	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00012	0.00024	0.00020	0.00013	0.00010	0.00012
5	24	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
5	24	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	24	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	24	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	24	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	25	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	25	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	25	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	25	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	25	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	25	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	25	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	25	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00010	0.00002	0.00008	0.00012	0.00012	0.00012
5	25	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
5	25	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
5	25	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	25	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
5	25	13	0.00014	0.00007	0.00010	0.00014	0.00008	0.00012	0.00012	0.00007	0.00010	0.00014	0.00008	0.00012
5	25	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00012	0.00012	0.00009	0.00011	0.00014	0.00008	0.00012
5	25	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00012	0.00012	0.00010	0.00012	0.00014	0.00008	0.00012
5	25	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00012	0.00014	0.00014	0.00013	0.00008	0.00012
5	25	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00012	0.00017	0.00016	0.00013	0.00008	0.00011
5	25	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00012	0.00021	0.00019	0.00013	0.00009	0.00011
5	25	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00012	0.00024	0.00020	0.00013	0.00010	0.00012
5	25	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00012	0.00025	0.00020	0.00013	0.00010	0.00012
5	25	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	25	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	25	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	25	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	26	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	26	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	26	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	26	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	26	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	26	6	0.00009	0.00002	0.00002	0.00009	0.00013	0.00011	0.00009	0.00002	0.00002	0.00009	0.00013	0.00011
5	26	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011	0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
5	26	8	0.00010	0.00002	0.00008	0.00010	0.00012	0.00012	0.00010	0.00002	0.00008	0.00010	0.00012	0.00012
5	26	9	0.00011	0.00003	0.00013	0.00011	0.00011	0.00013	0.00011	0.00003	0.00013	0.00011	0.00011	0.00013
5	26	10	0.00011	0.00003	0.00013	0.00011	0.00010	0.00013	0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
5	26	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
5	26	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012	0.00012	0.00005	0.00010	0.00012	0.00008	0.00012
5	26	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00012	0.00012	0.00007	0.00010	0.00012	0.00008	0.00012
5	26	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00012	0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
5	26	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00012	0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
5	26	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00012	0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
5	26	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00011	0.00012	0.00017	0.00016	0.00012	0.00008	0.00011
5	26	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011	0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
5	26	19	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012	0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
5	26	20	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
5	26	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
5	26	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
5	26	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	26	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
5	27	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	27	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	27	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	27	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	27	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	27	6	0.00008	0.00002	0.00002	0.00008	0.00013	0.00011	0.00009	0.00002	0.00002	0.00008	0.00013	0.00011
5	27	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011	0.00010	0.00001	0.00004	0.00009	0.00013	0.00011
5	27	8	0.00009	0.00002	0.00008	0.00009	0.00012	0.00012	0.00010	0.00002	0.00008	0.00009	0.00012	0.00012
5	27	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
5	27	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00011	0.00003	0.00013	0.00010	0.00010	0.00013
5	27	11	0.00011	0.00004	0.00011	0.00011	0.00009	0.00013	0.00012	0.00004	0.00011	0.00011	0.00009	0.00013
5	27	12	0.00011	0.00005	0.00010	0.00011	0.00008	0.00012	0.00012	0.00005	0.00010	0.00011	0.00008	0.00012
5	27	13	0.00011	0.00007	0.00010	0.00011	0.00008	0.00012	0.00012	0.00007	0.00010	0.00011	0.00008	0.00012
5	27	14	0.00011	0.00009	0.00011	0.00011	0.00008	0.00012	0.00012	0.00009	0.00011	0.00011	0.00008	0.00012
5	27	15	0.00011	0.00010	0.00012	0.00011	0.00008	0.00012	0.00012	0.00010	0.00012	0.00011	0.00008	0.00012
5	27	16	0.00011	0.00014	0.00014	0.00011	0.00008	0.00012	0.00012	0.00014	0.00014	0.00011	0.00008	0.00012
5	27	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00011	0.00012	0.00017	0.00016	0.00011	0.00008	0.00011
5	27	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00011	0.00012	0.00021	0.00019	0.00011	0.00009	0.00011
5	27	19	0.00011	0.00024	0.00020	0.00011	0.00010	0.00012	0.00012	0.00024	0.00020	0.00011	0.00010	0.00012
5	27	20	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012	0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
5	27	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
5	27	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
5	27	23	0.00010	0.00022	0.00015	0.00010	0.00010	0.00009	0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
5	27	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
5	28	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	28	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
5	28	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00008	0.00009	0.00007	0.00005	0.00008	0.00010	0.00008
5	28	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
5	28	5	0.00009	0.00003	0.00002	0.00009	0.00012	0.00009	0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
5	28	6	0.00009	0.00002	0.00002	0.00009	0.00013	0.00011	0.00008	0.00002	0.00002	0.00009	0.00013	0.00011
5	28	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011	0.00009	0.00001	0.00004	0.00009	0.00013	0.00011
5	28	8	0.00010	0.00002	0.00008	0.00010	0.00012	0.00012	0.00009	0.00002	0.00008	0.00010	0.00012	0.00012
5	28	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
5	28	10	0.00011	0.00003	0.00013	0.00011	0.00010	0.00013	0.00010	0.00003	0.00013	0.00011	0.00010	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
5	28	11
5	28	12
5	28	13
5	28	14
5	28	15
5	28	16
5	28	17
5	28	18
5	28	19
5	28	20
5	28	21
5	28	22
5	28	23
5	28	24
5	29	1
5	29	2
5	29	3
5	29	4
5	29	5
5	29	6
5	29	7
5	29	8
5	29	9
5	29	10
5	29	11
5	29	12
5	29	13
5	29	14
5	29	15
5	29	16
5	29	17
5	29	18
5	29	19
5	29	20
5	29	21
5	29	22
5	29	23
5	29	24
5	30	1
5	30	2
5	30	3
5	30	4
5	30	5
5	30	6
5	30	7
5	30	8
5	30	9
5	30	10
5	30	11
5	30	12
5	30	13
5	30	14
5	30	15
5	30	16
5	30	17
5	30	18
5	30	19
5	30	20

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00012
0.00011	0.00007	0.00010	0.00011	0.00008	0.00012
0.00012	0.00009	0.00011	0.00012	0.00008	0.00012
0.00012	0.00010	0.00012	0.00012	0.00008	0.00012
0.00012	0.00014	0.00014	0.00012	0.00008	0.00012
0.00012	0.00017	0.00016	0.00012	0.00008	0.00011
0.00012	0.00021	0.00019	0.00012	0.00009	0.00011
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00012	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00010	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00014	0.00009	0.00011	0.00014	0.00008	0.00012
0.00014	0.00010	0.00012	0.00014	0.00008	0.00012
0.00014	0.00014	0.00014	0.00014	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00013	0.00021	0.00019	0.00013	0.00009	0.00011
0.00013	0.00024	0.00020	0.00013	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00009	0.00007	0.00005	0.00009	0.00010	0.00008
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00010	0.00003	0.00002	0.00010	0.00012	0.00009
0.00010	0.00002	0.00002	0.00010	0.00013	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00011
0.00012	0.00002	0.00008	0.00012	0.00012	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00013	0.00003	0.00013	0.00013	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00012
0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
0.00013	0.00021	0.00019	0.00013	0.00009	0.00011
0.00012	0.00024	0.00020	0.00012	0.00010	0.00012
0.00013	0.00025	0.00020	0.00013	0.00010	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00012
0.00011	0.00007	0.00010	0.00011	0.00008	0.00012
0.00011	0.00009	0.00011	0.00012	0.00008	0.00012
0.00011	0.00010	0.00012	0.00012	0.00008	0.00012
0.00011	0.00014	0.00014	0.00012	0.00008	0.00012
0.00011	0.00017	0.00016	0.00012	0.00008	0.00011
0.00011	0.00021	0.00019	0.00012	0.00009	0.00011
0.00011	0.00024	0.00020	0.00012	0.00010	0.00012
0.00011	0.00025	0.00020	0.00012	0.00010	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00010	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00012	0.00009
0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
0.00009	0.00003	0.00013	0.00013	0.00010	0.00013
0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
0.00010	0.00005	0.00010	0.00013	0.00008	0.00012
0.00010	0.00007	0.00010	0.00013	0.00008	0.00012
0.00010	0.00009	0.00011	0.00014	0.00008	0.00012
0.00010	0.00010	0.00012	0.00014	0.00008	0.00012
0.00010	0.00014	0.00014	0.00014	0.00008	0.00012
0.00010	0.00017	0.00016	0.00013	0.00008	0.00011
0.00010	0.00021	0.00019	0.00013	0.00009	0.00011
0.00010	0.00024	0.00020	0.00013	0.00010	0.00012
0.00011	0.00025	0.00020	0.00013	0.00010	0.00012
0.00011	0.00024	0.00018	0.00013	0.00009	0.00011
0.00011	0.00023	0.00017	0.00012	0.00009	0.00010
0.00010	0.00022	0.00015	0.00011	0.00010	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
0.00008	0.00002	0.00002	0.00010	0.00013	0.00011
0.00008	0.00001	0.00004	0.00011	0.00013	0.00011
0.00008	0.00002	0.00008	0.00012	0.00012	0.00012
0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
0.00010	0.00003	0.00013	0.00013	0.00010	0.00013
0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
0.00010	0.00005	0.00010	0.00013	0.00008	0.00012
0.00011	0.00007	0.00010	0.00013	0.00008	0.00012
0.00011	0.00009	0.00011	0.00013	0.00008	0.00012
0.00011	0.00010	0.00012	0.00013	0.00008	0.00012
0.00011	0.00014	0.00014	0.00013	0.00008	0.00012
0.00011	0.00017	0.00016	0.00013	0.00008	0.00011
0.00011	0.00021	0.00019	0.00013	0.00009	0.00011
0.00011	0.00024	0.00020	0.00012	0.00010	0.00012
0.00012	0.00025	0.00020	0.00013	0.00010	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
5	30	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00012	0.00024	0.00018	0.00013	0.00009	0.00011
5	30	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010
5	30	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	30	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
5	31	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
5	31	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00008	0.00008	0.00010	0.00007	0.00009	0.00010	0.00008
5	31	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00008	0.00008	0.00007	0.00005	0.00009	0.00010	0.00008
5	31	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
5	31	5	0.00010	0.00003	0.00002	0.00010	0.00012	0.00009	0.00008	0.00003	0.00002	0.00010	0.00012	0.00009
5	31	6	0.00010	0.00002	0.00002	0.00010	0.00013	0.00011	0.00009	0.00002	0.00002	0.00010	0.00013	0.00011
5	31	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00011	0.00010	0.00001	0.00004	0.00011	0.00013	0.00011
5	31	8	0.00012	0.00002	0.00008	0.00012	0.00012	0.00012	0.00011	0.00002	0.00008	0.00012	0.00012	0.00012
5	31	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
5	31	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00012	0.00003	0.00013	0.00013	0.00010	0.00013
5	31	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
5	31	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00012	0.00012	0.00005	0.00010	0.00013	0.00008	0.00012
5	31	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012	0.00013	0.00007	0.00010	0.00013	0.00008	0.00012
5	31	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012	0.00013	0.00009	0.00011	0.00013	0.00008	0.00012
5	31	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012	0.00013	0.00010	0.00012	0.00013	0.00008	0.00012
5	31	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012	0.00013	0.00014	0.00014	0.00013	0.00008	0.00012
5	31	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011	0.00013	0.00017	0.00016	0.00013	0.00008	0.00011
5	31	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011	0.00013	0.00021	0.00019	0.00013	0.00009	0.00011
5	31	19	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012	0.00013	0.00024	0.00020	0.00013	0.00010	0.00012
5	31	20	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012	0.00013	0.00025	0.00020	0.00013	0.00010	0.00012
5	31	21	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011	0.00013	0.00024	0.00018	0.00013	0.00009	0.00011
5	31	22	0.00012	0.00023	0.00017	0.00012	0.00009	0.00010	0.00013	0.00023	0.00017	0.00012	0.00009	0.00010
5	31	23	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009	0.00011	0.00022	0.00015	0.00011	0.00010	0.00009
5	31	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00012	0.00018	0.00012	0.00010	0.00010	0.00009
6	1	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
6	1	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	1	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	1	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
6	1	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
6	1	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	1	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
6	1	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
6	1	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00011	0.00003	0.00014	0.00012	0.00009	0.00013
6	1	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
6	1	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
6	1	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
6	1	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014
6	1	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014
6	1	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014
6	1	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014
6	1	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00013	0.00017	0.00016	0.00012	0.00007	0.00013
6	1	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00013	0.00022	0.00019	0.00012	0.00007	0.00013
6	1	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	1	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
6	1	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	1	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
6	1	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
6	1	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
6	2	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	2	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	2	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	2	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
6	2	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	2	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	2	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
6	2	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
6	2	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00013	0.00011	0.00003	0.00014	0.00011	0.00009	0.00013
6	2	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
6	2	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00013	0.00004	0.00011	0.00011	0.00008	0.00014
6	2	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00013	0.00005	0.00010	0.00011	0.00007	0.00014
6	2	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00014	0.00014	0.00007	0.00010	0.00012	0.00007	0.00014
6	2	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00014	0.00014	0.00009	0.00011	0.00012	0.00007	0.00014
6	2	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00015	0.00010	0.00012	0.00012	0.00007	0.00014
6	2	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00014	0.00015	0.00013	0.00014	0.00012	0.00007	0.00014
6	2	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00015	0.00017	0.00016	0.00012	0.00007	0.00013
6	2	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00015	0.00022	0.00019	0.00012	0.00007	0.00013
6	2	19	0.00011	0.00025	0.00021	0.00011	0.00008	0.00013	0.00015	0.00025	0.00021	0.00011	0.00008	0.00013
6	2	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00015	0.00026	0.00020	0.00012	0.00008	0.00013
6	2	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00015	0.00025	0.00018	0.00012	0.00008	0.00012
6	2	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00014	0.00023	0.00017	0.00011	0.00008	0.00011
6	2	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
6	2	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
6	3	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	3	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	3	3	0.00008	0.00007	0.00005	0.00008	0.00008	0.00009	0.00009	0.00007	0.00005	0.00008	0.00008	0.00009
6	3	4	0.00008	0.00005	0.00003	0.00008	0.00009	0.00009	0.00009	0.00005	0.00003	0.00008	0.00009	0.00009
6	3	5	0.00008	0.00003	0.00002	0.00008	0.00009	0.00010	0.00009	0.00003	0.00002	0.00008	0.00009	0.00010
6	3	6	0.00008	0.00002	0.00002	0.00008	0.00009	0.00011	0.00009	0.00002	0.00002	0.00008	0.00009	0.00011
6	3	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
6	3	8	0.00009	0.00001	0.00009	0.00009	0.00009	0.00013	0.00011	0.00001	0.00009	0.00009	0.00009	0.00013
6	3	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00013	0.00011	0.00003	0.00014	0.00010	0.00009	0.00013
6	3	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
6	3	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00013	0.00004	0.00011	0.00011	0.00008	0.00014
6	3	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00014	0.00005	0.00010	0.00011	0.00007	0.00014
6	3	13	0.00011	0.00007	0.00010	0.00011	0.00007	0.00014	0.00014	0.00007	0.00010	0.00011	0.00007	0.00014
6	3	14	0.00011	0.00009	0.00011	0.00011	0.00007	0.00014	0.00015	0.00009	0.00011	0.00011	0.00007	0.00014
6	3	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00016	0.00010	0.00012	0.00012	0.00007	0.00014
6	3	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00014	0.00017	0.00013	0.00014	0.00012	0.00007	0.00014
6	3	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00017	0.00017	0.00016	0.00012	0.00007	0.00013
6	3	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00017	0.00022	0.00019	0.00012	0.00007	0.00013
6	3	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00017	0.00025	0.00021	0.00012	0.00008	0.00013
6	3	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00016	0.00026	0.00020	0.00012	0.00008	0.00013
6	3	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00016	0.00025	0.00018	0.00012	0.00008	0.00012
6	3	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00015	0.00023	0.00017	0.00011	0.00008	0.00011
6	3	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00013	0.00022	0.00015	0.00010	0.00008	0.00010
6	3	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00013	0.00018	0.00012	0.00009	0.00008	0.00009
6	4	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
6	4	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00010	0.00010	0.00006	0.00009	0.00008	0.00009
6	4	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	4	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	4	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	4	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	4	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
6	4	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
6	4	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00010	0.00003	0.00014	0.00012	0.00009	0.00013
6	4	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00011	0.00003	0.00014	0.00013	0.00008	0.00014
6	4	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
6	4	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
6	4	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00014	0.00013	0.00007	0.00010	0.00014	0.00007	0.00014
6	4	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00014	0.00014	0.00009	0.00011	0.00014	0.00007	0.00014
6	4	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00014	0.00015	0.00010	0.00012	0.00014	0.00007	0.00014
6	4	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00014	0.00015	0.00013	0.00014	0.00014	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	4	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00013	0.00015	0.00017	0.00016	0.00014	0.00007	0.00013
6	4	18	0.00013	0.00022	0.00019	0.00013	0.00007	0.00013	0.00015	0.00022	0.00019	0.00013	0.00007	0.00013
6	4	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00013	0.00015	0.00025	0.00021	0.00013	0.00008	0.00013
6	4	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
6	4	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00014	0.00025	0.00018	0.00013	0.00008	0.00012
6	4	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
6	4	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
6	4	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
6	5	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
6	5	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	5	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	5	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
6	5	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
6	5	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00008	0.00002	0.00002	0.00010	0.00009	0.00011
6	5	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00008	0.00001	0.00004	0.00011	0.00009	0.00012
6	5	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
6	5	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00009	0.00003	0.00014	0.00012	0.00009	0.00013
6	5	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
6	5	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00010	0.00004	0.00011	0.00013	0.00008	0.00014
6	5	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00011	0.00005	0.00010	0.00013	0.00007	0.00014
6	5	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00011	0.00007	0.00010	0.00013	0.00007	0.00014
6	5	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014	0.00012	0.00009	0.00011	0.00013	0.00007	0.00014
6	5	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014	0.00012	0.00010	0.00012	0.00013	0.00007	0.00014
6	5	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014	0.00012	0.00013	0.00014	0.00013	0.00007	0.00014
6	5	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00013	0.00017	0.00016	0.00012	0.00007	0.00013
6	5	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00013	0.00022	0.00019	0.00012	0.00007	0.00013
6	5	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	5	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00013	0.00026	0.00020	0.00012	0.00008	0.00013
6	5	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	5	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00012	0.00023	0.00017	0.00011	0.00008	0.00011
6	5	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00011	0.00022	0.00015	0.00010	0.00008	0.00010
6	5	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
6	6	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
6	6	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	6	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00008	0.00007	0.00005	0.00009	0.00008	0.00009
6	6	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
6	6	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
6	6	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	6	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
6	6	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00010	0.00001	0.00009	0.00012	0.00009	0.00013
6	6	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00011	0.00003	0.00014	0.00012	0.00009	0.00013
6	6	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
6	6	11	0.00012	0.00004	0.00011	0.00012	0.00008	0.00014	0.00012	0.00004	0.00011	0.00012	0.00008	0.00014
6	6	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014
6	6	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014
6	6	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00014	0.00013	0.00009	0.00011	0.00012	0.00007	0.00014
6	6	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00013	0.00010	0.00012	0.00012	0.00007	0.00014
6	6	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00014	0.00013	0.00013	0.00014	0.00012	0.00007	0.00014
6	6	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00014	0.00017	0.00016	0.00012	0.00007	0.00013
6	6	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00013	0.00022	0.00019	0.00012	0.00007	0.00013
6	6	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	6	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00013	0.00026	0.00020	0.00012	0.00008	0.00013
6	6	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	6	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
6	6	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
6	6	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
6	7	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	7	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	7	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	7	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
6	7	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	7	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	7	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
6	7	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
6	7	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00011	0.00003	0.00014	0.00012	0.00009	0.00013
6	7	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
6	7	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
6	7	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
6	7	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014
6	7	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014
6	7	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014
6	7	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014	0.00014	0.00013	0.00014	0.00013	0.00007	0.00014
6	7	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00014	0.00017	0.00016	0.00012	0.00007	0.00013
6	7	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00013	0.00022	0.00019	0.00012	0.00007	0.00013
6	7	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	7	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00013	0.00026	0.00020	0.00012	0.00008	0.00013
6	7	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	7	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
6	7	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
6	7	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
6	8	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	8	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	8	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	8	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	8	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	8	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	8	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
6	8	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
6	8	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00011	0.00003	0.00014	0.00012	0.00009	0.00013
6	8	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
6	8	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
6	8	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
6	8	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014
6	8	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014
6	8	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00014	0.00014	0.00010	0.00012	0.00013	0.00007	0.00014
6	8	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014	0.00014	0.00013	0.00014	0.00013	0.00007	0.00014
6	8	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00013	0.00014	0.00017	0.00016	0.00013	0.00007	0.00013
6	8	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00014	0.00022	0.00019	0.00012	0.00007	0.00013
6	8	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00014	0.00025	0.00021	0.00012	0.00008	0.00013
6	8	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00014	0.00026	0.00020	0.00012	0.00008	0.00013
6	8	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00014	0.00025	0.00018	0.00012	0.00008	0.00012
6	8	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
6	8	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
6	8	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
6	9	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	9	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	9	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	9	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	9	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	9	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
6	9	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
6	9	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
6	9	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00013	0.00011	0.00003	0.00014	0.00011	0.00009	0.00013
6	9	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
6	9	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00012	0.00004	0.00011	0.00011	0.00008	0.00014
6	9	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00013	0.00005	0.00010	0.00012	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	9	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00014	0.00013	0.00007	0.00010	0.00012	0.00007	0.00014
6	9	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00014	0.00013	0.00009	0.00011	0.00012	0.00007	0.00014
6	9	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00014	0.00010	0.00012	0.00012	0.00007	0.00014
6	9	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00014	0.00014	0.00013	0.00014	0.00012	0.00007	0.00014
6	9	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00014	0.00017	0.00016	0.00012	0.00007	0.00013
6	9	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00013	0.00022	0.00019	0.00012	0.00007	0.00013
6	9	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	9	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00013	0.00026	0.00020	0.00012	0.00008	0.00013
6	9	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	9	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
6	9	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
6	9	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
6	10	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	10	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	10	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	10	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	10	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	10	6	0.00008	0.00002	0.00002	0.00008	0.00009	0.00011	0.00009	0.00002	0.00002	0.00008	0.00009	0.00011
6	10	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
6	10	8	0.00009	0.00001	0.00009	0.00009	0.00009	0.00013	0.00011	0.00001	0.00009	0.00009	0.00009	0.00013
6	10	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00013	0.00011	0.00003	0.00014	0.00010	0.00009	0.00013
6	10	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
6	10	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00012	0.00004	0.00011	0.00011	0.00008	0.00014
6	10	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00013	0.00005	0.00010	0.00011	0.00007	0.00014
6	10	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00014	0.00013	0.00007	0.00010	0.00012	0.00007	0.00014
6	10	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00014	0.00013	0.00009	0.00011	0.00012	0.00007	0.00014
6	10	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00013	0.00010	0.00012	0.00012	0.00007	0.00014
6	10	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00014	0.00014	0.00013	0.00014	0.00012	0.00007	0.00014
6	10	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00013	0.00014	0.00017	0.00016	0.00012	0.00007	0.00013
6	10	18	0.00012	0.00022	0.00019	0.00012	0.00007	0.00013	0.00014	0.00022	0.00019	0.00012	0.00007	0.00013
6	10	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00013	0.00025	0.00021	0.00012	0.00008	0.00013
6	10	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00013	0.00026	0.00020	0.00012	0.00008	0.00013
6	10	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
6	10	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
6	10	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
6	10	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00012	0.00018	0.00012	0.00009	0.00008	0.00009
6	11	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
6	11	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
6	11	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	11	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	11	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
6	11	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	11	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
6	11	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
6	11	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00010	0.00003	0.00014	0.00012	0.00009	0.00013
6	11	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00011	0.00003	0.00014	0.00013	0.00008	0.00014
6	11	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00011	0.00004	0.00011	0.00013	0.00008	0.00014
6	11	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00011	0.00005	0.00010	0.00013	0.00007	0.00014
6	11	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00014	0.00011	0.00007	0.00010	0.00014	0.00007	0.00014
6	11	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00014	0.00011	0.00009	0.00011	0.00014	0.00007	0.00014
6	11	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00014	0.00011	0.00010	0.00012	0.00014	0.00007	0.00014
6	11	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00014	0.00011	0.00013	0.00014	0.00014	0.00007	0.00014
6	11	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00013	0.00011	0.00017	0.00016	0.00014	0.00007	0.00013
6	11	18	0.00013	0.00022	0.00019	0.00013	0.00007	0.00013	0.00011	0.00022	0.00019	0.00013	0.00007	0.00013
6	11	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00013	0.00011	0.00025	0.00021	0.00013	0.00008	0.00013
6	11	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00011	0.00026	0.00020	0.00013	0.00008	0.00013
6	11	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00011	0.00025	0.00018	0.00013	0.00008	0.00012
6	11	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00011	0.00023	0.00017	0.00012	0.00008	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
6	11	23
6	11	24
6	12	1
6	12	2
6	12	3
6	12	4
6	12	5
6	12	6
6	12	7
6	12	8
6	12	9
6	12	10
6	12	11
6	12	12
6	12	13
6	12	14
6	12	15
6	12	16
6	12	17
6	12	18
6	12	19
6	12	20
6	12	21
6	12	22
6	12	23
6	12	24
6	13	1
6	13	2
6	13	3
6	13	4
6	13	5
6	13	6
6	13	7
6	13	8
6	13	9
6	13	10
6	13	11
6	13	12
6	13	13
6	13	14
6	13	15
6	13	16
6	13	17
6	13	18
6	13	19
6	13	20
6	13	21
6	13	22
6	13	23
6	13	24
6	14	1
6	14	2
6	14	3
6	14	4
6	14	5
6	14	6
6	14	7
6	14	8

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00014	0.00007	0.00010	0.00014	0.00007	0.00014
0.00015	0.00009	0.00011	0.00015	0.00007	0.00014
0.00015	0.00010	0.00012	0.00015	0.00007	0.00014
0.00015	0.00013	0.00014	0.00015	0.00007	0.00014
0.00015	0.00017	0.00016	0.00015	0.00007	0.00013
0.00014	0.00022	0.00019	0.00014	0.00007	0.00013
0.00014	0.00025	0.00021	0.00014	0.00008	0.00013
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00008	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00014
0.00016	0.00009	0.00011	0.00016	0.00007	0.00014
0.00016	0.00010	0.00012	0.00016	0.00007	0.00014
0.00016	0.00013	0.00014	0.00016	0.00007	0.00014
0.00016	0.00017	0.00016	0.00016	0.00007	0.00013
0.00016	0.00022	0.00019	0.00016	0.00007	0.00013
0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
0.00015	0.00026	0.00020	0.00015	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00008	0.00007	0.00005	0.00009	0.00008	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
0.00008	0.00002	0.00002	0.00010	0.00009	0.00011
0.00008	0.00001	0.00004	0.00011	0.00009	0.00012
0.00008	0.00001	0.00009	0.00012	0.00009	0.00013
0.00009	0.00003	0.00014	0.00013	0.00009	0.00013
0.00009	0.00003	0.00014	0.00013	0.00008	0.00014
0.00010	0.00004	0.00011	0.00014	0.00008	0.00014
0.00010	0.00005	0.00010	0.00014	0.00007	0.00014
0.00010	0.00007	0.00010	0.00014	0.00007	0.00014
0.00010	0.00009	0.00011	0.00015	0.00007	0.00014
0.00010	0.00010	0.00012	0.00015	0.00007	0.00014
0.00010	0.00013	0.00014	0.00015	0.00007	0.00014
0.00010	0.00017	0.00016	0.00015	0.00007	0.00013
0.00011	0.00022	0.00019	0.00014	0.00007	0.00013
0.00011	0.00025	0.00021	0.00014	0.00008	0.00013
0.00011	0.00026	0.00020	0.00014	0.00008	0.00013
0.00012	0.00025	0.00018	0.00014	0.00008	0.00012
0.00011	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
0.00008	0.00010	0.00006	0.00009	0.00008	0.00009
0.00008	0.00007	0.00005	0.00009	0.00008	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
0.00010	0.00001	0.00009	0.00012	0.00009	0.00013
0.00010	0.00001	0.00009	0.00013	0.00009	0.00013
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
0.00008	0.00010	0.00006	0.00009	0.00008	0.00009
0.00008	0.00007	0.00005	0.00009	0.00008	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00010	0.00001	0.00009	0.00013	0.00009	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
6	14	9
6	14	10
6	14	11
6	14	12
6	14	13
6	14	14
6	14	15
6	14	16
6	14	17
6	14	18
6	14	19
6	14	20
6	14	21
6	14	22
6	14	23
6	14	24
6	15	1
6	15	2
6	15	3
6	15	4
6	15	5
6	15	6
6	15	7
6	15	8
6	15	9
6	15	10
6	15	11
6	15	12
6	15	13
6	15	14
6	15	15
6	15	16
6	15	17
6	15	18
6	15	19
6	15	20
6	15	21
6	15	22
6	15	23
6	15	24
6	16	1
6	16	2
6	16	3
6	16	4
6	16	5
6	16	6
6	16	7
6	16	8
6	16	9
6	16	10
6	16	11
6	16	12
6	16	13
6	16	14
6	16	15
6	16	16
6	16	17
6	16	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00014	0.00003	0.00014	0.00014	0.00009	0.00013
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00008	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00014
0.00017	0.00009	0.00011	0.00017	0.00007	0.00014
0.00017	0.00010	0.00012	0.00017	0.00007	0.00014
0.00017	0.00013	0.00014	0.00017	0.00007	0.00014
0.00017	0.00017	0.00016	0.00017	0.00007	0.00013
0.00016	0.00022	0.00019	0.00016	0.00007	0.00013
0.00016	0.00025	0.00021	0.00016	0.00008	0.00013
0.00015	0.00026	0.00020	0.00015	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00009	0.00013
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00008	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00014
0.00016	0.00009	0.00011	0.00016	0.00007	0.00014
0.00017	0.00010	0.00012	0.00017	0.00007	0.00014
0.00017	0.00013	0.00014	0.00017	0.00007	0.00014
0.00016	0.00017	0.00016	0.00016	0.00007	0.00013
0.00016	0.00022	0.00019	0.00016	0.00007	0.00013
0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00008	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
0.00013	0.00007	0.00010	0.00013	0.00007	0.00014
0.00013	0.00009	0.00011	0.00013	0.00007	0.00014
0.00013	0.00010	0.00012	0.00013	0.00007	0.00014
0.00013	0.00013	0.00014	0.00013	0.00007	0.00014
0.00013	0.00017	0.00016	0.00013	0.00007	0.00013
0.00013	0.00022	0.00019	0.00013	0.00007	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00003	0.00014	0.00014	0.00009	0.00013
0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
0.00012	0.00004	0.00011	0.00015	0.00008	0.00014
0.00012	0.00005	0.00010	0.00016	0.00007	0.00014
0.00012	0.00007	0.00010	0.00016	0.00007	0.00014
0.00012	0.00009	0.00011	0.00017	0.00007	0.00014
0.00012	0.00010	0.00012	0.00017	0.00007	0.00014
0.00012	0.00013	0.00014	0.00017	0.00007	0.00014
0.00012	0.00017	0.00016	0.00017	0.00007	0.00013
0.00012	0.00022	0.00019	0.00016	0.00007	0.00013
0.00012	0.00025	0.00021	0.00016	0.00008	0.00013
0.00012	0.00026	0.00020	0.00015	0.00008	0.00013
0.00013	0.00025	0.00018	0.00015	0.00008	0.00012
0.00012	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
0.00008	0.00005	0.00003	0.00010	0.00009	0.00009
0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00010	0.00001	0.00009	0.00013	0.00009	0.00013
0.00011	0.00003	0.00014	0.00014	0.00009	0.00013
0.00012	0.00003	0.00014	0.00015	0.00008	0.00014
0.00012	0.00004	0.00011	0.00015	0.00008	0.00014
0.00012	0.00005	0.00010	0.00016	0.00007	0.00014
0.00012	0.00007	0.00010	0.00016	0.00007	0.00014
0.00012	0.00009	0.00011	0.00016	0.00007	0.00014
0.00012	0.00010	0.00012	0.00017	0.00007	0.00014
0.00012	0.00013	0.00014	0.00017	0.00007	0.00014
0.00012	0.00017	0.00016	0.00016	0.00007	0.00013
0.00012	0.00022	0.00019	0.00016	0.00007	0.00013
0.00012	0.00025	0.00021	0.00015	0.00008	0.00013
0.00012	0.00026	0.00020	0.00014	0.00008	0.00013
0.00012	0.00025	0.00018	0.00014	0.00008	0.00012
0.00012	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00010	0.00008	0.00009
0.00008	0.00007	0.00005	0.00009	0.00008	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00009	0.00001	0.00004	0.00010	0.00009	0.00012
0.00010	0.00001	0.00009	0.00011	0.00009	0.00013
0.00011	0.00003	0.00014	0.00012	0.00009	0.00013
0.00011	0.00003	0.00014	0.00012	0.00008	0.00014
0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
0.00012	0.00007	0.00010	0.00013	0.00007	0.00014
0.00013	0.00009	0.00011	0.00013	0.00007	0.00014
0.00013	0.00010	0.00012	0.00013	0.00007	0.00014
0.00013	0.00013	0.00014	0.00013	0.00007	0.00014
0.00013	0.00017	0.00016	0.00013	0.00007	0.00013
0.00013	0.00022	0.00019	0.00013	0.00007	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
6	16	19
6	16	20
6	16	21
6	16	22
6	16	23
6	16	24
6	17	1
6	17	2
6	17	3
6	17	4
6	17	5
6	17	6
6	17	7
6	17	8
6	17	9
6	17	10
6	17	11
6	17	12
6	17	13
6	17	14
6	17	15
6	17	16
6	17	17
6	17	18
6	17	19
6	17	20
6	17	21
6	17	22
6	17	23
6	17	24
6	18	1
6	18	2
6	18	3
6	18	4
6	18	5
6	18	6
6	18	7
6	18	8
6	18	9
6	18	10
6	18	11
6	18	12
6	18	13
6	18	14
6	18	15
6	18	16
6	18	17
6	18	18
6	18	19
6	18	20
6	18	21
6	18	22
6	18	23
6	18	24
6	19	1
6	19	2
6	19	3
6	19	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00025	0.00021	0.00013	0.00008	0.00013
0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00008	0.00002	0.00002	0.00008	0.00009	0.00011
0.00009	0.00001	0.00004	0.00009	0.00009	0.00012
0.00010	0.00001	0.00009	0.00010	0.00009	0.00013
0.00010	0.00003	0.00014	0.00010	0.00009	0.00013
0.00011	0.00003	0.00014	0.00011	0.00008	0.00014
0.00011	0.00004	0.00011	0.00011	0.00008	0.00014
0.00012	0.00005	0.00010	0.00012	0.00007	0.00014
0.00012	0.00007	0.00010	0.00012	0.00007	0.00014
0.00012	0.00009	0.00011	0.00012	0.00007	0.00014
0.00013	0.00010	0.00012	0.00013	0.00007	0.00014
0.00013	0.00013	0.00014	0.00013	0.00007	0.00014
0.00013	0.00017	0.00016	0.00013	0.00007	0.00013
0.00013	0.00022	0.00019	0.00013	0.00007	0.00013
0.00012	0.00025	0.00021	0.00012	0.00008	0.00013
0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00014
0.00015	0.00009	0.00011	0.00015	0.00007	0.00014
0.00016	0.00010	0.00012	0.00016	0.00007	0.00014
0.00016	0.00013	0.00014	0.00016	0.00007	0.00014
0.00016	0.00017	0.00016	0.00016	0.00007	0.00013
0.00015	0.00022	0.00019	0.00015	0.00007	0.00013
0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00025	0.00021	0.00013	0.00008	0.00013
0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00008	0.00009	0.00011
0.00009	0.00001	0.00004	0.00009	0.00009	0.00012
0.00010	0.00001	0.00009	0.00010	0.00009	0.00013
0.00011	0.00003	0.00014	0.00010	0.00009	0.00013
0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
0.00012	0.00004	0.00011	0.00011	0.00008	0.00014
0.00013	0.00005	0.00010	0.00012	0.00007	0.00014
0.00013	0.00007	0.00010	0.00012	0.00007	0.00014
0.00014	0.00009	0.00011	0.00012	0.00007	0.00014
0.00014	0.00010	0.00012	0.00013	0.00007	0.00014
0.00015	0.00013	0.00014	0.00013	0.00007	0.00014
0.00015	0.00017	0.00016	0.00013	0.00007	0.00013
0.00015	0.00022	0.00019	0.00013	0.00007	0.00013
0.00014	0.00025	0.00021	0.00012	0.00008	0.00013
0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
0.00014	0.00025	0.00018	0.00013	0.00008	0.00012
0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00008	0.00009
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00010	0.00002	0.00002	0.00010	0.00008	0.00011
0.00011	0.00001	0.00004	0.00011	0.00008	0.00012
0.00012	0.00001	0.00009	0.00012	0.00008	0.00013
0.00013	0.00003	0.00014	0.00013	0.00008	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00014
0.00015	0.00009	0.00011	0.00015	0.00007	0.00014
0.00016	0.00010	0.00012	0.00016	0.00007	0.00014
0.00016	0.00013	0.00014	0.00016	0.00007	0.00014
0.00016	0.00017	0.00016	0.00016	0.00007	0.00013
0.00016	0.00022	0.00019	0.00015	0.00007	0.00013
0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
0.00015	0.00026	0.00020	0.00014	0.00008	0.00013
0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00006	0.00009	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	19	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
6	19	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	19	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
6	19	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
6	19	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00010	0.00003	0.00014	0.00013	0.00009	0.00013
6	19	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
6	19	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00013	0.00004	0.00011	0.00014	0.00008	0.00014
6	19	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
6	19	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00016	0.00007	0.00010	0.00015	0.00007	0.00014
6	19	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00017	0.00009	0.00011	0.00015	0.00007	0.00014
6	19	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00014	0.00018	0.00010	0.00012	0.00015	0.00007	0.00014
6	19	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00014	0.00018	0.00013	0.00014	0.00015	0.00007	0.00014
6	19	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00019	0.00017	0.00016	0.00015	0.00007	0.00013
6	19	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00019	0.00022	0.00019	0.00015	0.00007	0.00013
6	19	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00019	0.00025	0.00021	0.00014	0.00008	0.00013
6	19	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00018	0.00026	0.00020	0.00014	0.00008	0.00013
6	19	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00018	0.00025	0.00018	0.00014	0.00008	0.00012
6	19	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00017	0.00023	0.00017	0.00012	0.00008	0.00011
6	19	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00016	0.00022	0.00015	0.00011	0.00008	0.00010
6	19	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00015	0.00018	0.00012	0.00010	0.00008	0.00009
6	20	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00012	0.00014	0.00009	0.00010	0.00008	0.00009
6	20	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00011	0.00010	0.00006	0.00009	0.00008	0.00009
6	20	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00011	0.00007	0.00005	0.00009	0.00008	0.00009
6	20	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00010	0.00005	0.00003	0.00009	0.00009	0.00009
6	20	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
6	20	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
6	20	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
6	20	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
6	20	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00014	0.00003	0.00014	0.00013	0.00009	0.00013
6	20	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00016	0.00003	0.00014	0.00014	0.00008	0.00014
6	20	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00018	0.00004	0.00011	0.00014	0.00008	0.00014
6	20	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00019	0.00005	0.00010	0.00014	0.00007	0.00014
6	20	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00020	0.00007	0.00010	0.00015	0.00007	0.00014
6	20	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00021	0.00009	0.00011	0.00015	0.00007	0.00014
6	20	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00014	0.00022	0.00010	0.00012	0.00015	0.00007	0.00014
6	20	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00014	0.00023	0.00013	0.00014	0.00015	0.00007	0.00014
6	20	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00023	0.00017	0.00016	0.00015	0.00007	0.00013
6	20	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00023	0.00022	0.00019	0.00015	0.00007	0.00013
6	20	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00022	0.00025	0.00021	0.00014	0.00008	0.00013
6	20	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00021	0.00026	0.00020	0.00014	0.00008	0.00013
6	20	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00021	0.00025	0.00018	0.00014	0.00008	0.00012
6	20	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00020	0.00023	0.00017	0.00012	0.00008	0.00011
6	20	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00018	0.00022	0.00015	0.00011	0.00008	0.00010
6	20	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00019	0.00018	0.00012	0.00010	0.00008	0.00009
6	21	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00014	0.00014	0.00009	0.00010	0.00008	0.00009
6	21	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00012	0.00010	0.00006	0.00009	0.00008	0.00009
6	21	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00012	0.00007	0.00005	0.00009	0.00008	0.00009
6	21	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00011	0.00005	0.00003	0.00009	0.00009	0.00009
6	21	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00011	0.00003	0.00002	0.00010	0.00009	0.00010
6	21	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00011	0.00002	0.00002	0.00010	0.00009	0.00011
6	21	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00012	0.00001	0.00004	0.00011	0.00009	0.00012
6	21	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00013	0.00001	0.00009	0.00012	0.00009	0.00013
6	21	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00014	0.00003	0.00014	0.00013	0.00009	0.00013
6	21	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00015	0.00003	0.00014	0.00014	0.00008	0.00014
6	21	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00016	0.00004	0.00011	0.00014	0.00008	0.00014
6	21	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00017	0.00005	0.00010	0.00014	0.00007	0.00014
6	21	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00018	0.00007	0.00010	0.00015	0.00007	0.00014
6	21	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00019	0.00009	0.00011	0.00015	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	21	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00014	0.00019	0.00010	0.00012	0.00015	0.00007	0.00014
6	21	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00019	0.00013	0.00014	0.00016	0.00007	0.00014
6	21	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00019	0.00017	0.00016	0.00015	0.00007	0.00013
6	21	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00019	0.00022	0.00019	0.00015	0.00007	0.00013
6	21	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00018	0.00025	0.00021	0.00014	0.00008	0.00013
6	21	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00017	0.00026	0.00020	0.00014	0.00008	0.00013
6	21	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00017	0.00025	0.00018	0.00014	0.00008	0.00012
6	21	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00016	0.00023	0.00017	0.00013	0.00008	0.00011
6	21	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00015	0.00022	0.00015	0.00011	0.00008	0.00010
6	21	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00016	0.00018	0.00012	0.00010	0.00008	0.00009
6	22	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00012	0.00014	0.00009	0.00010	0.00008	0.00009
6	22	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00011	0.00010	0.00006	0.00010	0.00008	0.00009
6	22	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
6	22	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00010	0.00005	0.00003	0.00009	0.00009	0.00009
6	22	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
6	22	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
6	22	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
6	22	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
6	22	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00012	0.00003	0.00014	0.00013	0.00009	0.00013
6	22	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
6	22	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00015	0.00004	0.00011	0.00014	0.00008	0.00014
6	22	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
6	22	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00016	0.00007	0.00010	0.00015	0.00007	0.00014
6	22	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00017	0.00009	0.00011	0.00015	0.00007	0.00014
6	22	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014	0.00018	0.00010	0.00012	0.00016	0.00007	0.00014
6	22	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00018	0.00013	0.00014	0.00016	0.00007	0.00014
6	22	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00018	0.00017	0.00016	0.00015	0.00007	0.00013
6	22	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00018	0.00022	0.00019	0.00015	0.00007	0.00013
6	22	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00017	0.00025	0.00021	0.00014	0.00008	0.00013
6	22	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00016	0.00026	0.00020	0.00014	0.00008	0.00013
6	22	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
6	22	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
6	22	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
6	22	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
6	23	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
6	23	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
6	23	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
6	23	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	23	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	23	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
6	23	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
6	23	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
6	23	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00013	0.00012	0.00003	0.00014	0.00011	0.00009	0.00013
6	23	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
6	23	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00014	0.00004	0.00011	0.00013	0.00008	0.00014
6	23	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00015	0.00005	0.00010	0.00013	0.00007	0.00014
6	23	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00014	0.00015	0.00007	0.00010	0.00013	0.00007	0.00014
6	23	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00014	0.00016	0.00009	0.00011	0.00013	0.00007	0.00014
6	23	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00014	0.00017	0.00010	0.00012	0.00014	0.00007	0.00014
6	23	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00014	0.00017	0.00013	0.00014	0.00014	0.00007	0.00014
6	23	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00013	0.00017	0.00017	0.00016	0.00014	0.00007	0.00013
6	23	18	0.00013	0.00022	0.00019	0.00013	0.00007	0.00013	0.00017	0.00022	0.00019	0.00013	0.00007	0.00013
6	23	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00013	0.00016	0.00025	0.00021	0.00013	0.00008	0.00013
6	23	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00016	0.00026	0.00020	0.00013	0.00008	0.00013
6	23	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00016	0.00025	0.00018	0.00013	0.00008	0.00012
6	23	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00015	0.00023	0.00017	0.00012	0.00008	0.00011
6	23	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
6	23	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00014	0.00018	0.00012	0.00010	0.00008	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	24	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
6	24	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00010	0.00010	0.00006	0.00009	0.00008	0.00009
6	24	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
6	24	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	24	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	24	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
6	24	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
6	24	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
6	24	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00013	0.00012	0.00003	0.00014	0.00010	0.00009	0.00013
6	24	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00013	0.00003	0.00014	0.00011	0.00008	0.00014
6	24	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00013	0.00004	0.00011	0.00011	0.00008	0.00014
6	24	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00014	0.00005	0.00010	0.00012	0.00007	0.00014
6	24	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00014	0.00015	0.00007	0.00010	0.00012	0.00007	0.00014
6	24	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00014	0.00015	0.00009	0.00011	0.00012	0.00007	0.00014
6	24	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00014	0.00016	0.00010	0.00012	0.00012	0.00007	0.00014
6	24	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00014	0.00016	0.00013	0.00014	0.00013	0.00007	0.00014
6	24	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00013	0.00016	0.00017	0.00016	0.00013	0.00007	0.00013
6	24	18	0.00013	0.00022	0.00019	0.00013	0.00007	0.00013	0.00016	0.00022	0.00019	0.00013	0.00007	0.00013
6	24	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00013	0.00015	0.00025	0.00021	0.00012	0.00008	0.00013
6	24	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00015	0.00026	0.00020	0.00012	0.00008	0.00013
6	24	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00014	0.00025	0.00018	0.00012	0.00008	0.00012
6	24	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
6	24	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00013	0.00022	0.00015	0.00010	0.00008	0.00010
6	24	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
6	25	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
6	25	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00010	0.00010	0.00006	0.00009	0.00008	0.00009
6	25	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	25	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	25	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
6	25	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
6	25	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
6	25	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00010	0.00001	0.00009	0.00012	0.00009	0.00013
6	25	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00010	0.00003	0.00014	0.00013	0.00009	0.00013
6	25	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
6	25	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00012	0.00004	0.00011	0.00014	0.00008	0.00014
6	25	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00013	0.00005	0.00010	0.00014	0.00007	0.00014
6	25	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00014	0.00007	0.00010	0.00015	0.00007	0.00014
6	25	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00014	0.00009	0.00011	0.00015	0.00007	0.00014
6	25	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00014	0.00015	0.00010	0.00012	0.00015	0.00007	0.00014
6	25	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014
6	25	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00016	0.00017	0.00016	0.00015	0.00007	0.00013
6	25	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00016	0.00022	0.00019	0.00015	0.00007	0.00013
6	25	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00015	0.00025	0.00021	0.00014	0.00008	0.00013
6	25	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00015	0.00026	0.00020	0.00014	0.00008	0.00013
6	25	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
6	25	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
6	25	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
6	25	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00013	0.00018	0.00012	0.00011	0.00008	0.00009
6	26	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
6	26	2	0.00009	0.00010	0.00006	0.00009	0.00008	0.00009	0.00010	0.00010	0.00006	0.00009	0.00008	0.00009
6	26	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	26	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	26	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
6	26	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
6	26	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
6	26	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
6	26	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00010	0.00003	0.00014	0.00013	0.00009	0.00013
6	26	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	26	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00012	0.00004	0.00011	0.00015	0.00008	0.00014
6	26	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00013	0.00005	0.00010	0.00015	0.00007	0.00014
6	26	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00014	0.00007	0.00010	0.00015	0.00007	0.00014
6	26	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00014	0.00015	0.00009	0.00011	0.00016	0.00007	0.00014
6	26	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014
6	26	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00017	0.00013	0.00014	0.00016	0.00007	0.00014
6	26	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00013	0.00017	0.00017	0.00016	0.00016	0.00007	0.00013
6	26	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00017	0.00022	0.00019	0.00015	0.00007	0.00013
6	26	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00017	0.00025	0.00021	0.00014	0.00008	0.00013
6	26	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00016	0.00026	0.00020	0.00014	0.00008	0.00013
6	26	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
6	26	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
6	26	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
6	26	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
6	27	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
6	27	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
6	27	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
6	27	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	27	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
6	27	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
6	27	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
6	27	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
6	27	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
6	27	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
6	27	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00015	0.00004	0.00011	0.00014	0.00008	0.00014
6	27	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00016	0.00005	0.00010	0.00015	0.00007	0.00014
6	27	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00017	0.00007	0.00010	0.00015	0.00007	0.00014
6	27	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00014	0.00018	0.00009	0.00011	0.00015	0.00007	0.00014
6	27	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014	0.00019	0.00010	0.00012	0.00016	0.00007	0.00014
6	27	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00020	0.00013	0.00014	0.00016	0.00007	0.00014
6	27	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00020	0.00017	0.00016	0.00015	0.00007	0.00013
6	27	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00020	0.00022	0.00019	0.00015	0.00007	0.00013
6	27	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00019	0.00025	0.00021	0.00015	0.00008	0.00013
6	27	20	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013	0.00018	0.00026	0.00020	0.00015	0.00008	0.00013
6	27	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00018	0.00025	0.00018	0.00014	0.00008	0.00012
6	27	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00017	0.00023	0.00017	0.00013	0.00008	0.00011
6	27	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00015	0.00022	0.00015	0.00012	0.00008	0.00010
6	27	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00016	0.00018	0.00012	0.00011	0.00008	0.00009
6	28	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00012	0.00014	0.00009	0.00010	0.00008	0.00009
6	28	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00011	0.00010	0.00006	0.00010	0.00008	0.00009
6	28	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
6	28	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009
6	28	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
6	28	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
6	28	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
6	28	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
6	28	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
6	28	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
6	28	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014
6	28	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00016	0.00005	0.00010	0.00015	0.00007	0.00014
6	28	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00017	0.00007	0.00010	0.00015	0.00007	0.00014
6	28	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00014	0.00018	0.00009	0.00011	0.00016	0.00007	0.00014
6	28	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014	0.00018	0.00010	0.00012	0.00016	0.00007	0.00014
6	28	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00019	0.00013	0.00014	0.00016	0.00007	0.00014
6	28	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00013	0.00019	0.00017	0.00016	0.00016	0.00007	0.00013
6	28	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00018	0.00022	0.00019	0.00015	0.00007	0.00013
6	28	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00017	0.00025	0.00021	0.00015	0.00008	0.00013
6	28	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00017	0.00026	0.00020	0.00014	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
6	28	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
6	28	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00016	0.00023	0.00017	0.00013	0.00008	0.00011
6	28	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
6	28	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
6	29	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
6	29	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
6	29	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
6	29	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009
6	29	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
6	29	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
6	29	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
6	29	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00012	0.00001	0.00009	0.00013	0.00009	0.00013
6	29	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013	0.00013	0.00003	0.00014	0.00013	0.00009	0.00013
6	29	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
6	29	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014
6	29	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00016	0.00005	0.00010	0.00015	0.00007	0.00014
6	29	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00014	0.00017	0.00007	0.00010	0.00015	0.00007	0.00014
6	29	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00014	0.00018	0.00009	0.00011	0.00016	0.00007	0.00014
6	29	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00014	0.00019	0.00010	0.00012	0.00016	0.00007	0.00014
6	29	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00014	0.00019	0.00013	0.00014	0.00016	0.00007	0.00014
6	29	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00013	0.00019	0.00017	0.00016	0.00015	0.00007	0.00013
6	29	18	0.00015	0.00022	0.00019	0.00015	0.00007	0.00013	0.00019	0.00022	0.00019	0.00015	0.00007	0.00013
6	29	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00018	0.00025	0.00021	0.00014	0.00008	0.00013
6	29	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00017	0.00026	0.00020	0.00014	0.00008	0.00013
6	29	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00017	0.00025	0.00018	0.00014	0.00008	0.00012
6	29	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00016	0.00023	0.00017	0.00013	0.00008	0.00011
6	29	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
6	29	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
6	30	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
6	30	2	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009	0.00010	0.00010	0.00006	0.00010	0.00008	0.00009
6	30	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
6	30	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
6	30	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
6	30	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
6	30	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
6	30	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
6	30	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013	0.00012	0.00003	0.00014	0.00012	0.00009	0.00013
6	30	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
6	30	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00014	0.00004	0.00011	0.00013	0.00008	0.00014
6	30	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00014	0.00005	0.00010	0.00013	0.00007	0.00014
6	30	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00014	0.00015	0.00007	0.00010	0.00014	0.00007	0.00014
6	30	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00014	0.00016	0.00009	0.00011	0.00014	0.00007	0.00014
6	30	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00014	0.00016	0.00010	0.00012	0.00014	0.00007	0.00014
6	30	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00014	0.00017	0.00013	0.00014	0.00014	0.00007	0.00014
6	30	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00013	0.00017	0.00017	0.00016	0.00014	0.00007	0.00013
6	30	18	0.00014	0.00022	0.00019	0.00014	0.00007	0.00013	0.00017	0.00022	0.00019	0.00014	0.00007	0.00013
6	30	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00013	0.00016	0.00025	0.00021	0.00013	0.00008	0.00013
6	30	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00015	0.00026	0.00020	0.00013	0.00008	0.00013
6	30	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00015	0.00025	0.00018	0.00013	0.00008	0.00012
6	30	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
6	30	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
6	30	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00014	0.00018	0.00012	0.00010	0.00008	0.00009
7	1	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	1	2	0.00009	0.00010	0.00007	0.00009	0.00008	0.00009	0.00010	0.00010	0.00007	0.00009	0.00008	0.00009
7	1	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
7	1	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010
7	1	5	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010
7	1	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	1	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
7	1	8	0.00010	0.00001	0.00009	0.00010	0.00008	0.00013	0.00011	0.00001	0.00009	0.00010	0.00008	0.00013
7	1	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
7	1	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
7	1	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00014	0.00004	0.00011	0.00013	0.00007	0.00014
7	1	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00015	0.00005	0.00010	0.00013	0.00007	0.00014
7	1	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00015	0.00007	0.00010	0.00014	0.00007	0.00015
7	1	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00016	0.00009	0.00011	0.00014	0.00007	0.00015
7	1	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00015	0.00016	0.00010	0.00012	0.00014	0.00007	0.00015
7	1	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00017	0.00013	0.00014	0.00015	0.00007	0.00015
7	1	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00017	0.00017	0.00016	0.00015	0.00007	0.00014
7	1	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00017	0.00021	0.00019	0.00014	0.00007	0.00014
7	1	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00016	0.00025	0.00021	0.00014	0.00008	0.00013
7	1	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
7	1	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
7	1	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
7	1	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	1	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	2	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	2	2	0.00009	0.00010	0.00007	0.00009	0.00008	0.00009	0.00010	0.00010	0.00007	0.00009	0.00008	0.00009
7	2	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
7	2	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010
7	2	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	2	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	2	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
7	2	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00009	0.00001	0.00009	0.00013	0.00008	0.00013
7	2	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
7	2	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
7	2	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00012	0.00004	0.00011	0.00015	0.00007	0.00014
7	2	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00012	0.00005	0.00010	0.00016	0.00007	0.00014
7	2	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00013	0.00007	0.00010	0.00016	0.00007	0.00015
7	2	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00014	0.00009	0.00011	0.00017	0.00007	0.00015
7	2	15	0.00017	0.00010	0.00012	0.00017	0.00007	0.00015	0.00014	0.00010	0.00012	0.00017	0.00007	0.00015
7	2	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00014	0.00013	0.00014	0.00017	0.00007	0.00015
7	2	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00015	0.00017	0.00016	0.00017	0.00007	0.00014
7	2	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00015	0.00021	0.00019	0.00017	0.00007	0.00014
7	2	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00014	0.00025	0.00021	0.00016	0.00008	0.00013
7	2	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00014	0.00025	0.00020	0.00016	0.00008	0.00013
7	2	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00013	0.00025	0.00018	0.00015	0.00008	0.00012
7	2	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00013	0.00023	0.00017	0.00014	0.00008	0.00011
7	2	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
7	2	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00012	0.00018	0.00012	0.00011	0.00008	0.00009
7	3	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
7	3	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
7	3	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	3	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	3	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00008	0.00003	0.00002	0.00010	0.00008	0.00010
7	3	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
7	3	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
7	3	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00009	0.00001	0.00009	0.00013	0.00008	0.00013
7	3	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00009	0.00003	0.00014	0.00014	0.00008	0.00014
7	3	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00010	0.00003	0.00014	0.00015	0.00008	0.00014
7	3	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00011	0.00004	0.00011	0.00016	0.00007	0.00014
7	3	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00011	0.00005	0.00010	0.00016	0.00007	0.00014
7	3	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00012	0.00007	0.00010	0.00017	0.00007	0.00015
7	3	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00012	0.00009	0.00011	0.00017	0.00007	0.00015
7	3	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00013	0.00010	0.00012	0.00018	0.00007	0.00015
7	3	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00013	0.00013	0.00014	0.00018	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
7	3	17
7	3	18
7	3	19
7	3	20
7	3	21
7	3	22
7	3	23
7	3	24
7	4	1
7	4	2
7	4	3
7	4	4
7	4	5
7	4	6
7	4	7
7	4	8
7	4	9
7	4	10
7	4	11
7	4	12
7	4	13
7	4	14
7	4	15
7	4	16
7	4	17
7	4	18
7	4	19
7	4	20
7	4	21
7	4	22
7	4	23
7	4	24
7	5	1
7	5	2
7	5	3
7	5	4
7	5	5
7	5	6
7	5	7
7	5	8
7	5	9
7	5	10
7	5	11
7	5	12
7	5	13
7	5	14
7	5	15
7	5	16
7	5	17
7	5	18
7	5	19
7	5	20
7	5	21
7	5	22
7	5	23
7	5	24
7	6	1
7	6	2

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
0.00017	0.00021	0.00019	0.00017	0.00007	0.00014
0.00016	0.00025	0.00021	0.00016	0.00008	0.00013
0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00012
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00013	0.00022	0.00015	0.00013	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00011	0.00001	0.00009	0.00011	0.00008	0.00013
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00015
0.00016	0.00009	0.00011	0.00016	0.00007	0.00015
0.00016	0.00010	0.00012	0.00016	0.00007	0.00015
0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
0.00016	0.00017	0.00016	0.00016	0.00007	0.00014
0.00016	0.00021	0.00019	0.00016	0.00007	0.00014
0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00016	0.00003	0.00014	0.00016	0.00008	0.00014
0.00017	0.00004	0.00011	0.00017	0.00007	0.00014
0.00017	0.00005	0.00010	0.00017	0.00007	0.00014
0.00018	0.00007	0.00010	0.00018	0.00007	0.00015
0.00018	0.00009	0.00011	0.00018	0.00007	0.00015
0.00018	0.00010	0.00012	0.00018	0.00007	0.00015
0.00019	0.00013	0.00014	0.00019	0.00007	0.00015
0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
0.00018	0.00021	0.00019	0.00018	0.00007	0.00014
0.00017	0.00025	0.00021	0.00017	0.00008	0.00013
0.00017	0.00025	0.00020	0.00017	0.00008	0.00013
0.00016	0.00025	0.00018	0.00016	0.00008	0.00012
0.00015	0.00023	0.00017	0.00015	0.00008	0.00011
0.00013	0.00022	0.00015	0.00013	0.00008	0.00010
0.00012	0.00018	0.00012	0.00012	0.00008	0.00009
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00011	0.00010	0.00007	0.00011	0.00008	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00017	0.00016	0.00018	0.00007	0.00014
0.00013	0.00021	0.00019	0.00017	0.00007	0.00014
0.00013	0.00025	0.00021	0.00016	0.00008	0.00013
0.00013	0.00025	0.00020	0.00016	0.00008	0.00013
0.00013	0.00025	0.00018	0.00015	0.00008	0.00012
0.00012	0.00023	0.00017	0.00014	0.00008	0.00011
0.00011	0.00022	0.00015	0.00013	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00010	0.00008	0.00010
0.00008	0.00005	0.00003	0.00010	0.00008	0.00010
0.00008	0.00003	0.00002	0.00010	0.00008	0.00010
0.00008	0.00002	0.00002	0.00010	0.00009	0.00011
0.00008	0.00001	0.00004	0.00010	0.00009	0.00012
0.00009	0.00001	0.00009	0.00011	0.00008	0.00013
0.00009	0.00003	0.00014	0.00012	0.00008	0.00014
0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
0.00011	0.00004	0.00011	0.00014	0.00007	0.00014
0.00011	0.00005	0.00010	0.00015	0.00007	0.00014
0.00012	0.00007	0.00010	0.00016	0.00007	0.00015
0.00012	0.00009	0.00011	0.00016	0.00007	0.00015
0.00013	0.00010	0.00012	0.00016	0.00007	0.00015
0.00013	0.00013	0.00014	0.00016	0.00007	0.00015
0.00013	0.00017	0.00016	0.00016	0.00007	0.00014
0.00013	0.00021	0.00019	0.00016	0.00007	0.00014
0.00013	0.00025	0.00021	0.00015	0.00008	0.00013
0.00012	0.00025	0.00020	0.00015	0.00008	0.00013
0.00012	0.00025	0.00018	0.00014	0.00008	0.00012
0.00012	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
0.00008	0.00005	0.00003	0.00010	0.00008	0.00010
0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
0.00012	0.00003	0.00014	0.00016	0.00008	0.00014
0.00013	0.00004	0.00011	0.00017	0.00007	0.00014
0.00013	0.00005	0.00010	0.00017	0.00007	0.00014
0.00014	0.00007	0.00010	0.00018	0.00007	0.00015
0.00014	0.00009	0.00011	0.00018	0.00007	0.00015
0.00015	0.00010	0.00012	0.00018	0.00007	0.00015
0.00015	0.00013	0.00014	0.00019	0.00007	0.00015
0.00015	0.00017	0.00016	0.00018	0.00007	0.00014
0.00015	0.00021	0.00019	0.00018	0.00007	0.00014
0.00014	0.00025	0.00021	0.00017	0.00008	0.00013
0.00014	0.00025	0.00020	0.00017	0.00008	0.00013
0.00014	0.00025	0.00018	0.00016	0.00008	0.00012
0.00013	0.00023	0.00017	0.00015	0.00008	0.00011
0.00012	0.00022	0.00015	0.00013	0.00008	0.00010
0.00013	0.00018	0.00012	0.00012	0.00008	0.00009
0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
0.00009	0.00010	0.00007	0.00011	0.00008	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	6	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	6	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	6	5	0.00011	0.00003	0.00002	0.00011	0.00008	0.00010	0.00009	0.00003	0.00002	0.00011	0.00008	0.00010
7	6	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	6	7	0.00013	0.00001	0.00004	0.00013	0.00009	0.00012	0.00010	0.00001	0.00004	0.00013	0.00009	0.00012
7	6	8	0.00014	0.00001	0.00009	0.00014	0.00008	0.00013	0.00011	0.00001	0.00009	0.00014	0.00008	0.00013
7	6	9	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
7	6	10	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00012	0.00003	0.00014	0.00016	0.00008	0.00014
7	6	11	0.00017	0.00004	0.00011	0.00017	0.00007	0.00014	0.00013	0.00004	0.00011	0.00017	0.00007	0.00014
7	6	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00014	0.00013	0.00005	0.00010	0.00017	0.00007	0.00014
7	6	13	0.00018	0.00007	0.00010	0.00018	0.00007	0.00015	0.00013	0.00007	0.00010	0.00018	0.00007	0.00015
7	6	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00014	0.00009	0.00011	0.00018	0.00007	0.00015
7	6	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00014	0.00010	0.00012	0.00018	0.00007	0.00015
7	6	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00015	0.00013	0.00014	0.00018	0.00007	0.00015
7	6	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00015	0.00017	0.00016	0.00018	0.00007	0.00014
7	6	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00015	0.00021	0.00019	0.00017	0.00007	0.00014
7	6	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00014	0.00025	0.00021	0.00016	0.00008	0.00013
7	6	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00014	0.00025	0.00020	0.00015	0.00008	0.00013
7	6	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00014	0.00025	0.00018	0.00015	0.00008	0.00012
7	6	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
7	6	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
7	6	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00013	0.00018	0.00012	0.00011	0.00008	0.00009
7	7	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
7	7	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
7	7	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	7	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	7	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	7	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
7	7	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
7	7	8	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013
7	7	9	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
7	7	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
7	7	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
7	7	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00013	0.00005	0.00010	0.00014	0.00007	0.00014
7	7	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00014	0.00007	0.00010	0.00015	0.00007	0.00015
7	7	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00014	0.00009	0.00011	0.00015	0.00007	0.00015
7	7	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015
7	7	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
7	7	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00016	0.00017	0.00016	0.00015	0.00007	0.00014
7	7	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
7	7	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00015	0.00025	0.00021	0.00014	0.00008	0.00013
7	7	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
7	7	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
7	7	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
7	7	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	7	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00013	0.00018	0.00012	0.00011	0.00008	0.00009
7	8	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
7	8	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	8	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
7	8	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010
7	8	5	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010
7	8	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
7	8	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
7	8	8	0.00010	0.00001	0.00009	0.00010	0.00008	0.00013	0.00011	0.00001	0.00009	0.00010	0.00008	0.00013
7	8	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
7	8	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
7	8	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014
7	8	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00014	0.00005	0.00010	0.00013	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	8	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
7	8	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00015	0.00009	0.00011	0.00014	0.00007	0.00015
7	8	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00015	0.00015	0.00010	0.00012	0.00014	0.00007	0.00015
7	8	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00016	0.00013	0.00014	0.00015	0.00007	0.00015
7	8	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00016	0.00017	0.00016	0.00015	0.00007	0.00014
7	8	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00016	0.00021	0.00019	0.00015	0.00007	0.00014
7	8	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00015	0.00025	0.00021	0.00014	0.00008	0.00013
7	8	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
7	8	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
7	8	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
7	8	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
7	8	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
7	9	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	9	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	9	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
7	9	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	9	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	9	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	9	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
7	9	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00010	0.00001	0.00009	0.00013	0.00008	0.00013
7	9	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
7	9	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
7	9	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00012	0.00004	0.00011	0.00015	0.00007	0.00014
7	9	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00013	0.00005	0.00010	0.00015	0.00007	0.00014
7	9	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00014	0.00007	0.00010	0.00016	0.00007	0.00015
7	9	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00014	0.00009	0.00011	0.00016	0.00007	0.00015
7	9	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00015	0.00010	0.00012	0.00016	0.00007	0.00015
7	9	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00015	0.00013	0.00014	0.00016	0.00007	0.00015
7	9	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014
7	9	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00016	0.00021	0.00019	0.00015	0.00007	0.00014
7	9	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
7	9	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
7	9	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
7	9	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
7	9	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	9	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00013	0.00018	0.00012	0.00011	0.00008	0.00009
7	10	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	10	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	10	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	10	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	10	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	10	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	10	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
7	10	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00009	0.00001	0.00009	0.00013	0.00008	0.00013
7	10	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
7	10	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
7	10	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00011	0.00004	0.00011	0.00014	0.00007	0.00014
7	10	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00012	0.00005	0.00010	0.00015	0.00007	0.00014
7	10	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00013	0.00007	0.00010	0.00015	0.00007	0.00015
7	10	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00014	0.00009	0.00011	0.00015	0.00007	0.00015
7	10	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00014	0.00010	0.00012	0.00015	0.00007	0.00015
7	10	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
7	10	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00014	0.00015	0.00017	0.00016	0.00014	0.00007	0.00014
7	10	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00015	0.00021	0.00019	0.00014	0.00007	0.00014
7	10	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00015	0.00025	0.00021	0.00014	0.00008	0.00013
7	10	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
7	10	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
7	10	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
7	10	23
7	10	24
7	11	1
7	11	2
7	11	3
7	11	4
7	11	5
7	11	6
7	11	7
7	11	8
7	11	9
7	11	10
7	11	11
7	11	12
7	11	13
7	11	14
7	11	15
7	11	16
7	11	17
7	11	18
7	11	19
7	11	20
7	11	21
7	11	22
7	11	23
7	11	24
7	12	1
7	12	2
7	12	3
7	12	4
7	12	5
7	12	6
7	12	7
7	12	8
7	12	9
7	12	10
7	12	11
7	12	12
7	12	13
7	12	14
7	12	15
7	12	16
7	12	17
7	12	18
7	12	19
7	12	20
7	12	21
7	12	22
7	12	23
7	12	24
7	13	1
7	13	2
7	13	3
7	13	4
7	13	5
7	13	6
7	13	7
7	13	8

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
0.00015	0.00010	0.00012	0.00015	0.00007	0.00015
0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00013
0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
0.00016	0.00010	0.00012	0.00016	0.00007	0.00015
0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
0.00016	0.00017	0.00016	0.00016	0.00007	0.00014
0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00013
0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00012	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
0.00014	0.00005	0.00010	0.00015	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
0.00016	0.00010	0.00012	0.00015	0.00007	0.00015
0.00016	0.00013	0.00014	0.00015	0.00007	0.00015
0.00017	0.00017	0.00016	0.00015	0.00007	0.00014
0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
0.00016	0.00025	0.00021	0.00014	0.00008	0.00013
0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00014	0.00018	0.00012	0.00010	0.00008	0.00009
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
0.00011	0.00003	0.00014	0.00013	0.00008	0.00014
0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
0.00014	0.00005	0.00010	0.00015	0.00007	0.00014
0.00014	0.00007	0.00010	0.00015	0.00007	0.00015
0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
0.00016	0.00010	0.00012	0.00016	0.00007	0.00015
0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
0.00016	0.00017	0.00016	0.00016	0.00007	0.00014
0.00016	0.00021	0.00019	0.00015	0.00007	0.00014
0.00016	0.00025	0.00021	0.00014	0.00008	0.00013
0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
0.00013	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	13	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
7	13	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
7	13	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
7	13	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00014	0.00005	0.00010	0.00015	0.00007	0.00014
7	13	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00015	0.00007	0.00010	0.00016	0.00007	0.00015
7	13	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015
7	13	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00017	0.00010	0.00012	0.00016	0.00007	0.00015
7	13	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
7	13	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00017	0.00017	0.00016	0.00016	0.00007	0.00014
7	13	18	0.00016	0.00021	0.00019	0.00016	0.00007	0.00014	0.00017	0.00021	0.00019	0.00016	0.00007	0.00014
7	13	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00017	0.00025	0.00021	0.00015	0.00008	0.00013
7	13	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00016	0.00025	0.00020	0.00015	0.00008	0.00013
7	13	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00016	0.00025	0.00018	0.00015	0.00008	0.00012
7	13	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
7	13	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	13	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	14	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
7	14	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	14	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	14	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	14	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	14	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
7	14	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
7	14	8	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013
7	14	9	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
7	14	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
7	14	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
7	14	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00015	0.00005	0.00010	0.00014	0.00007	0.00014
7	14	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
7	14	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00016	0.00009	0.00011	0.00015	0.00007	0.00015
7	14	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00017	0.00010	0.00012	0.00015	0.00007	0.00015
7	14	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00017	0.00013	0.00014	0.00015	0.00007	0.00015
7	14	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00018	0.00017	0.00016	0.00015	0.00007	0.00014
7	14	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
7	14	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00017	0.00025	0.00021	0.00014	0.00008	0.00013
7	14	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00016	0.00025	0.00020	0.00014	0.00008	0.00013
7	14	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
7	14	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
7	14	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
7	14	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	15	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	15	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	15	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00010	0.00007	0.00005	0.00009	0.00008	0.00009
7	15	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010
7	15	5	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010
7	15	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
7	15	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
7	15	8	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013
7	15	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
7	15	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
7	15	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014
7	15	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
7	15	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00015	0.00007	0.00010	0.00014	0.00007	0.00015
7	15	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
7	15	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00016	0.00010	0.00012	0.00015	0.00007	0.00015
7	15	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00017	0.00013	0.00014	0.00015	0.00007	0.00015
7	15	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00017	0.00017	0.00016	0.00015	0.00007	0.00014
7	15	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	15	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00016	0.00025	0.00021	0.00014	0.00008	0.00013
7	15	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00016	0.00025	0.00020	0.00014	0.00008	0.00013
7	15	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00015	0.00025	0.00018	0.00014	0.00008	0.00012
7	15	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
7	15	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	15	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	16	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	16	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	16	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009
7	16	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	16	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	16	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	16	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
7	16	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00009	0.00001	0.00009	0.00013	0.00008	0.00013
7	16	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
7	16	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
7	16	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00012	0.00004	0.00011	0.00015	0.00007	0.00014
7	16	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00012	0.00005	0.00010	0.00015	0.00007	0.00014
7	16	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00013	0.00007	0.00010	0.00016	0.00007	0.00015
7	16	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00014	0.00009	0.00011	0.00016	0.00007	0.00015
7	16	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00014	0.00010	0.00012	0.00016	0.00007	0.00015
7	16	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00015	0.00013	0.00014	0.00016	0.00007	0.00015
7	16	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00015	0.00017	0.00016	0.00016	0.00007	0.00014
7	16	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
7	16	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
7	16	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00014	0.00025	0.00020	0.00015	0.00008	0.00013
7	16	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
7	16	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
7	16	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
7	16	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00012	0.00018	0.00012	0.00011	0.00008	0.00009
7	17	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
7	17	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	17	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	17	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	17	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00008	0.00003	0.00002	0.00010	0.00008	0.00010
7	17	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
7	17	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
7	17	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00009	0.00001	0.00009	0.00013	0.00008	0.00013
7	17	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00009	0.00003	0.00014	0.00013	0.00008	0.00014
7	17	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
7	17	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00011	0.00004	0.00011	0.00015	0.00007	0.00014
7	17	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00012	0.00005	0.00010	0.00015	0.00007	0.00014
7	17	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00012	0.00007	0.00010	0.00015	0.00007	0.00015
7	17	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00013	0.00009	0.00011	0.00016	0.00007	0.00015
7	17	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00014	0.00010	0.00012	0.00016	0.00007	0.00015
7	17	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00014	0.00013	0.00014	0.00016	0.00007	0.00015
7	17	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00015	0.00017	0.00016	0.00016	0.00007	0.00014
7	17	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
7	17	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013
7	17	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00014	0.00025	0.00020	0.00015	0.00008	0.00013
7	17	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
7	17	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
7	17	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
7	17	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00012	0.00018	0.00012	0.00011	0.00008	0.00009
7	18	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
7	18	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00009	0.00010	0.00007	0.00010	0.00008	0.00009
7	18	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	18	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	18	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	18	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
7	18	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
7	18	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
7	18	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
7	18	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
7	18	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
7	18	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00014	0.00005	0.00010	0.00015	0.00007	0.00014
7	18	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
7	18	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00015	0.00009	0.00011	0.00016	0.00007	0.00015
7	18	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015
7	18	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00017	0.00013	0.00014	0.00016	0.00007	0.00015
7	18	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00017	0.00017	0.00016	0.00016	0.00007	0.00014
7	18	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
7	18	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00017	0.00025	0.00021	0.00015	0.00008	0.00013
7	18	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00016	0.00025	0.00020	0.00015	0.00008	0.00013
7	18	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
7	18	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
7	18	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
7	18	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	19	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	19	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	19	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00009	0.00007	0.00005	0.00010	0.00008	0.00009
7	19	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	19	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	19	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
7	19	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
7	19	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
7	19	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
7	19	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
7	19	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00014	0.00004	0.00011	0.00015	0.00007	0.00014
7	19	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014
7	19	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015
7	19	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015
7	19	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00017	0.00010	0.00012	0.00016	0.00007	0.00015
7	19	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00018	0.00013	0.00014	0.00016	0.00007	0.00015
7	19	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00018	0.00017	0.00016	0.00016	0.00007	0.00014
7	19	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00018	0.00021	0.00019	0.00015	0.00007	0.00014
7	19	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00018	0.00025	0.00021	0.00015	0.00008	0.00013
7	19	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00017	0.00025	0.00020	0.00015	0.00008	0.00013
7	19	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00016	0.00025	0.00018	0.00014	0.00008	0.00012
7	19	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
7	19	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
7	19	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00014	0.00018	0.00012	0.00011	0.00008	0.00009
7	20	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
7	20	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
7	20	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
7	20	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00009	0.00005	0.00003	0.00010	0.00008	0.00010
7	20	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00009	0.00003	0.00002	0.00010	0.00008	0.00010
7	20	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
7	20	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
7	20	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
7	20	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
7	20	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
7	20	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
7	20	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00016	0.00005	0.00010	0.00015	0.00007	0.00014
7	20	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00017	0.00007	0.00010	0.00015	0.00007	0.00015
7	20	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00018	0.00009	0.00011	0.00016	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	20	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00019	0.00010	0.00012	0.00016	0.00007	0.00015
7	20	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00019	0.00013	0.00014	0.00016	0.00007	0.00015
7	20	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00020	0.00017	0.00016	0.00016	0.00007	0.00014
7	20	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00020	0.00021	0.00019	0.00015	0.00007	0.00014
7	20	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00019	0.00025	0.00021	0.00014	0.00008	0.00013
7	20	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00018	0.00025	0.00020	0.00014	0.00008	0.00013
7	20	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00017	0.00025	0.00018	0.00014	0.00008	0.00012
7	20	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00016	0.00023	0.00017	0.00013	0.00008	0.00011
7	20	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00015	0.00022	0.00015	0.00012	0.00008	0.00010
7	20	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
7	21	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00012	0.00014	0.00009	0.00010	0.00008	0.00009
7	21	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00011	0.00010	0.00007	0.00010	0.00008	0.00009
7	21	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
7	21	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	21	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
7	21	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
7	21	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00011	0.00001	0.00004	0.00010	0.00009	0.00012
7	21	8	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013	0.00012	0.00001	0.00009	0.00011	0.00008	0.00013
7	21	9	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
7	21	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00014	0.00003	0.00014	0.00013	0.00008	0.00014
7	21	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00015	0.00004	0.00011	0.00013	0.00007	0.00014
7	21	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00017	0.00005	0.00010	0.00014	0.00007	0.00014
7	21	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00018	0.00007	0.00010	0.00014	0.00007	0.00015
7	21	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00019	0.00009	0.00011	0.00014	0.00007	0.00015
7	21	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00020	0.00010	0.00012	0.00015	0.00007	0.00015
7	21	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00021	0.00013	0.00014	0.00015	0.00007	0.00015
7	21	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00021	0.00017	0.00016	0.00015	0.00007	0.00014
7	21	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00020	0.00021	0.00019	0.00014	0.00007	0.00014
7	21	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00020	0.00025	0.00021	0.00014	0.00008	0.00013
7	21	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00019	0.00025	0.00020	0.00014	0.00008	0.00013
7	21	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00019	0.00025	0.00018	0.00013	0.00008	0.00012
7	21	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00018	0.00023	0.00017	0.00013	0.00008	0.00011
7	21	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00016	0.00022	0.00015	0.00012	0.00008	0.00010
7	21	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00016	0.00018	0.00012	0.00011	0.00008	0.00009
7	22	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00012	0.00014	0.00009	0.00010	0.00008	0.00009
7	22	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00011	0.00010	0.00007	0.00010	0.00008	0.00009
7	22	3	0.00009	0.00007	0.00005	0.00009	0.00008	0.00009	0.00011	0.00007	0.00005	0.00009	0.00008	0.00009
7	22	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00010	0.00005	0.00003	0.00009	0.00008	0.00010
7	22	5	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010	0.00010	0.00003	0.00002	0.00009	0.00008	0.00010
7	22	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
7	22	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00011	0.00001	0.00004	0.00010	0.00009	0.00012
7	22	8	0.00010	0.00001	0.00009	0.00010	0.00008	0.00013	0.00012	0.00001	0.00009	0.00010	0.00008	0.00013
7	22	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00013	0.00003	0.00014	0.00011	0.00008	0.00014
7	22	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00015	0.00003	0.00014	0.00012	0.00008	0.00014
7	22	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00016	0.00004	0.00011	0.00013	0.00007	0.00014
7	22	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00018	0.00005	0.00010	0.00013	0.00007	0.00014
7	22	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00019	0.00007	0.00010	0.00014	0.00007	0.00015
7	22	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00020	0.00009	0.00011	0.00014	0.00007	0.00015
7	22	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00021	0.00010	0.00012	0.00015	0.00007	0.00015
7	22	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00022	0.00013	0.00014	0.00015	0.00007	0.00015
7	22	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00022	0.00017	0.00016	0.00015	0.00007	0.00014
7	22	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00022	0.00021	0.00019	0.00014	0.00007	0.00014
7	22	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00021	0.00025	0.00021	0.00014	0.00008	0.00013
7	22	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00020	0.00025	0.00020	0.00014	0.00008	0.00013
7	22	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00020	0.00025	0.00018	0.00014	0.00008	0.00012
7	22	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00019	0.00023	0.00017	0.00013	0.00008	0.00011
7	22	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00017	0.00022	0.00015	0.00012	0.00008	0.00010
7	22	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00018	0.00018	0.00012	0.00011	0.00008	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	23	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00013	0.00014	0.00009	0.00010	0.00008	0.00009
7	23	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	23	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	23	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00011	0.00005	0.00003	0.00010	0.00008	0.00010
7	23	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
7	23	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
7	23	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
7	23	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
7	23	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
7	23	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00014	0.00003	0.00014	0.00015	0.00008	0.00014
7	23	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
7	23	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00017	0.00005	0.00010	0.00016	0.00007	0.00014
7	23	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00018	0.00007	0.00010	0.00017	0.00007	0.00015
7	23	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00019	0.00009	0.00011	0.00017	0.00007	0.00015
7	23	15	0.00017	0.00010	0.00012	0.00017	0.00007	0.00015	0.00020	0.00010	0.00012	0.00017	0.00007	0.00015
7	23	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00020	0.00013	0.00014	0.00017	0.00007	0.00015
7	23	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00020	0.00017	0.00016	0.00017	0.00007	0.00014
7	23	18	0.00016	0.00021	0.00019	0.00016	0.00007	0.00014	0.00020	0.00021	0.00019	0.00016	0.00007	0.00014
7	23	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00019	0.00025	0.00021	0.00016	0.00008	0.00013
7	23	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00018	0.00025	0.00020	0.00016	0.00008	0.00013
7	23	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00017	0.00025	0.00018	0.00015	0.00008	0.00012
7	23	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00017	0.00023	0.00017	0.00014	0.00008	0.00011
7	23	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00015	0.00022	0.00015	0.00012	0.00008	0.00010
7	23	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00009	0.00017	0.00018	0.00012	0.00012	0.00008	0.00009
7	24	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00012	0.00014	0.00009	0.00011	0.00008	0.00009
7	24	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00011	0.00010	0.00007	0.00010	0.00008	0.00009
7	24	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	24	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	24	5	0.00011	0.00003	0.00002	0.00011	0.00008	0.00010	0.00010	0.00003	0.00002	0.00011	0.00008	0.00010
7	24	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
7	24	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
7	24	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00010	0.00001	0.00009	0.00013	0.00008	0.00013
7	24	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
7	24	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00012	0.00003	0.00014	0.00015	0.00008	0.00014
7	24	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00014	0.00004	0.00011	0.00016	0.00007	0.00014
7	24	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00015	0.00005	0.00010	0.00016	0.00007	0.00014
7	24	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00016	0.00007	0.00010	0.00017	0.00007	0.00015
7	24	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015
7	24	15	0.00017	0.00010	0.00012	0.00017	0.00007	0.00015	0.00018	0.00010	0.00012	0.00017	0.00007	0.00015
7	24	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00019	0.00013	0.00014	0.00017	0.00007	0.00015
7	24	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00019	0.00017	0.00016	0.00017	0.00007	0.00014
7	24	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00019	0.00021	0.00019	0.00017	0.00007	0.00014
7	24	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00019	0.00025	0.00021	0.00016	0.00008	0.00013
7	24	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00018	0.00025	0.00020	0.00016	0.00008	0.00013
7	24	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00018	0.00025	0.00018	0.00015	0.00008	0.00012
7	24	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00017	0.00023	0.00017	0.00014	0.00008	0.00011
7	24	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00015	0.00022	0.00015	0.00012	0.00008	0.00010
7	24	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
7	25	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00012	0.00014	0.00009	0.00011	0.00008	0.00009
7	25	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00011	0.00010	0.00007	0.00010	0.00008	0.00009
7	25	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	25	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	25	5	0.00011	0.00003	0.00002	0.00011	0.00008	0.00010	0.00010	0.00003	0.00002	0.00011	0.00008	0.00010
7	25	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
7	25	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
7	25	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00012	0.00001	0.00009	0.00013	0.00008	0.00013
7	25	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
7	25	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	25	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014
7	25	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00017	0.00005	0.00010	0.00016	0.00007	0.00014
7	25	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00018	0.00007	0.00010	0.00017	0.00007	0.00015
7	25	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00019	0.00009	0.00011	0.00017	0.00007	0.00015
7	25	15	0.00017	0.00010	0.00012	0.00017	0.00007	0.00015	0.00020	0.00010	0.00012	0.00017	0.00007	0.00015
7	25	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00021	0.00013	0.00014	0.00017	0.00007	0.00015
7	25	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00021	0.00017	0.00016	0.00017	0.00007	0.00014
7	25	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00021	0.00021	0.00019	0.00017	0.00007	0.00014
7	25	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00020	0.00025	0.00021	0.00016	0.00008	0.00013
7	25	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00019	0.00025	0.00020	0.00016	0.00008	0.00013
7	25	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00019	0.00025	0.00018	0.00015	0.00008	0.00012
7	25	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00018	0.00023	0.00017	0.00014	0.00008	0.00011
7	25	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00016	0.00022	0.00015	0.00012	0.00008	0.00010
7	25	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00017	0.00018	0.00012	0.00011	0.00008	0.00009
7	26	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00013	0.00014	0.00009	0.00011	0.00008	0.00009
7	26	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	26	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	26	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00011	0.00005	0.00003	0.00010	0.00008	0.00010
7	26	5	0.00011	0.00003	0.00002	0.00011	0.00008	0.00010	0.00010	0.00003	0.00002	0.00011	0.00008	0.00010
7	26	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
7	26	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
7	26	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00012	0.00001	0.00009	0.00013	0.00008	0.00013
7	26	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
7	26	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
7	26	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014
7	26	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00018	0.00005	0.00010	0.00016	0.00007	0.00014
7	26	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00019	0.00007	0.00010	0.00017	0.00007	0.00015
7	26	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00020	0.00009	0.00011	0.00018	0.00007	0.00015
7	26	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00020	0.00010	0.00012	0.00018	0.00007	0.00015
7	26	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00021	0.00013	0.00014	0.00018	0.00007	0.00015
7	26	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00021	0.00017	0.00016	0.00018	0.00007	0.00014
7	26	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00021	0.00021	0.00019	0.00017	0.00007	0.00014
7	26	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00020	0.00025	0.00021	0.00016	0.00008	0.00013
7	26	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00019	0.00025	0.00020	0.00016	0.00008	0.00013
7	26	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00018	0.00025	0.00018	0.00015	0.00008	0.00012
7	26	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00017	0.00023	0.00017	0.00014	0.00008	0.00011
7	26	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00016	0.00022	0.00015	0.00013	0.00008	0.00010
7	26	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00009	0.00017	0.00018	0.00012	0.00012	0.00008	0.00009
7	27	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00013	0.00014	0.00009	0.00011	0.00008	0.00009
7	27	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	27	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	27	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	27	5	0.00011	0.00003	0.00002	0.00011	0.00008	0.00010	0.00010	0.00003	0.00002	0.00011	0.00008	0.00010
7	27	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
7	27	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
7	27	8	0.00013	0.00001	0.00009	0.00013	0.00008	0.00013	0.00012	0.00001	0.00009	0.00013	0.00008	0.00013
7	27	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
7	27	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
7	27	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014
7	27	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00018	0.00005	0.00010	0.00016	0.00007	0.00014
7	27	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00019	0.00007	0.00010	0.00017	0.00007	0.00015
7	27	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00020	0.00009	0.00011	0.00017	0.00007	0.00015
7	27	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00020	0.00010	0.00012	0.00018	0.00007	0.00015
7	27	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00021	0.00013	0.00014	0.00018	0.00007	0.00015
7	27	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00021	0.00017	0.00016	0.00017	0.00007	0.00014
7	27	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00021	0.00021	0.00019	0.00017	0.00007	0.00014
7	27	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00013	0.00020	0.00025	0.00021	0.00016	0.00008	0.00013
7	27	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00019	0.00025	0.00020	0.00016	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
7	27	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00019	0.00025	0.00018	0.00015	0.00008	0.00012
7	27	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00018	0.00023	0.00017	0.00014	0.00008	0.00011
7	27	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00016	0.00022	0.00015	0.00013	0.00008	0.00010
7	27	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00017	0.00018	0.00012	0.00011	0.00008	0.00009
7	28	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00013	0.00014	0.00009	0.00011	0.00008	0.00009
7	28	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	28	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	28	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	28	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
7	28	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00011	0.00002	0.00002	0.00010	0.00009	0.00011
7	28	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
7	28	8	0.00012	0.00001	0.00009	0.00012	0.00008	0.00013	0.00012	0.00001	0.00009	0.00012	0.00008	0.00013
7	28	9	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
7	28	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00015	0.00003	0.00014	0.00013	0.00008	0.00014
7	28	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00016	0.00004	0.00011	0.00014	0.00007	0.00014
7	28	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00017	0.00005	0.00010	0.00015	0.00007	0.00014
7	28	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00018	0.00007	0.00010	0.00015	0.00007	0.00015
7	28	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00019	0.00009	0.00011	0.00016	0.00007	0.00015
7	28	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00020	0.00010	0.00012	0.00016	0.00007	0.00015
7	28	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00021	0.00013	0.00014	0.00016	0.00007	0.00015
7	28	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00021	0.00017	0.00016	0.00016	0.00007	0.00014
7	28	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00021	0.00021	0.00019	0.00015	0.00007	0.00014
7	28	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00013	0.00020	0.00025	0.00021	0.00015	0.00008	0.00013
7	28	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00019	0.00025	0.00020	0.00015	0.00008	0.00013
7	28	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00018	0.00025	0.00018	0.00014	0.00008	0.00012
7	28	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00017	0.00023	0.00017	0.00013	0.00008	0.00011
7	28	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00016	0.00022	0.00015	0.00012	0.00008	0.00010
7	28	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00017	0.00018	0.00012	0.00011	0.00008	0.00009
7	29	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00013	0.00014	0.00009	0.00010	0.00008	0.00009
7	29	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	29	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	29	4	0.00009	0.00005	0.00003	0.00009	0.00008	0.00010	0.00010	0.00005	0.00003	0.00009	0.00008	0.00010
7	29	5	0.00009	0.00003	0.00002	0.00009	0.00008	0.00010	0.00010	0.00003	0.00002	0.00009	0.00008	0.00010
7	29	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00011	0.00002	0.00002	0.00009	0.00009	0.00011
7	29	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00011	0.00001	0.00004	0.00010	0.00009	0.00012
7	29	8	0.00011	0.00001	0.00009	0.00011	0.00008	0.00013	0.00012	0.00001	0.00009	0.00011	0.00008	0.00013
7	29	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00013	0.00003	0.00014	0.00011	0.00008	0.00014
7	29	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00015	0.00003	0.00014	0.00012	0.00008	0.00014
7	29	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00016	0.00004	0.00011	0.00013	0.00007	0.00014
7	29	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00018	0.00005	0.00010	0.00013	0.00007	0.00014
7	29	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00019	0.00007	0.00010	0.00014	0.00007	0.00015
7	29	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00020	0.00009	0.00011	0.00015	0.00007	0.00015
7	29	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00020	0.00010	0.00012	0.00015	0.00007	0.00015
7	29	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00021	0.00013	0.00014	0.00015	0.00007	0.00015
7	29	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00021	0.00017	0.00016	0.00015	0.00007	0.00014
7	29	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00020	0.00021	0.00019	0.00015	0.00007	0.00014
7	29	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00013	0.00020	0.00025	0.00021	0.00014	0.00008	0.00013
7	29	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00019	0.00025	0.00020	0.00014	0.00008	0.00013
7	29	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00018	0.00025	0.00018	0.00014	0.00008	0.00012
7	29	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00017	0.00023	0.00017	0.00013	0.00008	0.00011
7	29	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00016	0.00022	0.00015	0.00012	0.00008	0.00010
7	29	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00017	0.00018	0.00012	0.00011	0.00008	0.00009
7	30	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00013	0.00014	0.00009	0.00010	0.00008	0.00009
7	30	2	0.00010	0.00010	0.00007	0.00010	0.00008	0.00009	0.00012	0.00010	0.00007	0.00010	0.00008	0.00009
7	30	3	0.00010	0.00007	0.00005	0.00010	0.00008	0.00009	0.00011	0.00007	0.00005	0.00010	0.00008	0.00009
7	30	4	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010	0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
7	30	5	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010	0.00010	0.00003	0.00002	0.00010	0.00008	0.00010
7	30	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
7	30	7
7	30	8
7	30	9
7	30	10
7	30	11
7	30	12
7	30	13
7	30	14
7	30	15
7	30	16
7	30	17
7	30	18
7	30	19
7	30	20
7	30	21
7	30	22
7	30	23
7	30	24
7	31	1
7	31	2
7	31	3
7	31	4
7	31	5
7	31	6
7	31	7
7	31	8
7	31	9
7	31	10
7	31	11
7	31	12
7	31	13
7	31	14
7	31	15
7	31	16
7	31	17
7	31	18
7	31	19
7	31	20
7	31	21
7	31	22
7	31	23
7	31	24
8	1	1
8	1	2
8	1	3
8	1	4
8	1	5
8	1	6
8	1	7
8	1	8
8	1	9
8	1	10
8	1	11
8	1	12
8	1	13
8	1	14
8	1	15
8	1	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00015
0.00017	0.00009	0.00011	0.00017	0.00007	0.00015
0.00017	0.00010	0.00012	0.00017	0.00007	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
0.00017	0.00021	0.00019	0.00017	0.00007	0.00014
0.00016	0.00025	0.00021	0.00016	0.00008	0.00013
0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00012
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00008	0.00009
0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00011	0.00003	0.00002	0.00011	0.00008	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00008	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00014
0.00016	0.00007	0.00010	0.00016	0.00007	0.00015
0.00017	0.00009	0.00011	0.00017	0.00007	0.00015
0.00017	0.00010	0.00012	0.00017	0.00007	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
0.00016	0.00021	0.00019	0.00016	0.00007	0.00014
0.00016	0.00025	0.00021	0.00016	0.00008	0.00013
0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00012
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00011	0.00003	0.00002	0.00011	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00015
0.00016	0.00007	0.00010	0.00016	0.00007	0.00015
0.00017	0.00009	0.00011	0.00017	0.00006	0.00015
0.00017	0.00010	0.00012	0.00017	0.00006	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00008	0.00013
0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00014
0.00017	0.00007	0.00010	0.00016	0.00007	0.00015
0.00018	0.00009	0.00011	0.00017	0.00007	0.00015
0.00018	0.00010	0.00012	0.00017	0.00007	0.00015
0.00019	0.00013	0.00014	0.00017	0.00007	0.00015
0.00019	0.00017	0.00016	0.00017	0.00007	0.00014
0.00019	0.00021	0.00019	0.00017	0.00007	0.00014
0.00018	0.00025	0.00021	0.00016	0.00008	0.00013
0.00017	0.00025	0.00020	0.00016	0.00008	0.00013
0.00017	0.00025	0.00018	0.00015	0.00008	0.00012
0.00016	0.00023	0.00017	0.00014	0.00008	0.00011
0.00015	0.00022	0.00015	0.00012	0.00008	0.00010
0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
0.00016	0.00018	0.00012	0.00011	0.00008	0.00009
0.00012	0.00014	0.00009	0.00011	0.00008	0.00009
0.00011	0.00010	0.00007	0.00010	0.00008	0.00009
0.00010	0.00007	0.00005	0.00010	0.00008	0.00009
0.00010	0.00005	0.00003	0.00010	0.00008	0.00010
0.00010	0.00003	0.00002	0.00011	0.00008	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
0.00010	0.00001	0.00009	0.00013	0.00008	0.00013
0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
0.00012	0.00003	0.00014	0.00015	0.00008	0.00014
0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
0.00014	0.00005	0.00010	0.00016	0.00007	0.00014
0.00015	0.00007	0.00010	0.00016	0.00007	0.00015
0.00016	0.00009	0.00011	0.00017	0.00007	0.00015
0.00017	0.00010	0.00012	0.00017	0.00007	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
0.00018	0.00017	0.00016	0.00017	0.00007	0.00014
0.00018	0.00021	0.00019	0.00016	0.00007	0.00014
0.00017	0.00025	0.00021	0.00016	0.00008	0.00013
0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
0.00016	0.00025	0.00018	0.00015	0.00008	0.00012
0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
0.00015	0.00018	0.00012	0.00011	0.00008	0.00009
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00011	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00010	0.00003	0.00002	0.00011	0.00009	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
0.00012	0.00001	0.00009	0.00013	0.00009	0.00013
0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00015
0.00017	0.00007	0.00010	0.00016	0.00007	0.00015
0.00018	0.00009	0.00011	0.00017	0.00006	0.00015
0.00019	0.00010	0.00012	0.00017	0.00006	0.00015
0.00019	0.00013	0.00014	0.00017	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	1	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00019	0.00017	0.00016	0.00017	0.00007	0.00014
8	1	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00019	0.00021	0.00019	0.00017	0.00007	0.00014
8	1	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00018	0.00025	0.00021	0.00016	0.00008	0.00014
8	1	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00017	0.00025	0.00020	0.00016	0.00008	0.00013
8	1	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00016	0.00025	0.00018	0.00015	0.00008	0.00013
8	1	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
8	1	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
8	1	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00015	0.00018	0.00012	0.00011	0.00008	0.00010
8	2	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	2	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	2	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
8	2	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
8	2	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00010	0.00003	0.00002	0.00011	0.00009	0.00010
8	2	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	2	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
8	2	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	2	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	2	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
8	2	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00014	0.00004	0.00011	0.00016	0.00007	0.00014
8	2	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00015	0.00005	0.00010	0.00016	0.00007	0.00015
8	2	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00016	0.00007	0.00010	0.00017	0.00007	0.00015
8	2	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015
8	2	15	0.00017	0.00010	0.00012	0.00017	0.00006	0.00015	0.00018	0.00010	0.00012	0.00017	0.00006	0.00015
8	2	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
8	2	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00018	0.00017	0.00016	0.00017	0.00007	0.00014
8	2	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00018	0.00021	0.00019	0.00017	0.00007	0.00014
8	2	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00017	0.00025	0.00021	0.00016	0.00008	0.00014
8	2	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
8	2	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00016	0.00025	0.00018	0.00015	0.00008	0.00013
8	2	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
8	2	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
8	2	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00015	0.00018	0.00012	0.00011	0.00008	0.00010
8	3	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	3	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	3	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
8	3	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
8	3	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
8	3	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	3	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
8	3	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	3	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	3	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
8	3	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00014	0.00004	0.00011	0.00016	0.00007	0.00014
8	3	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00015	0.00005	0.00010	0.00016	0.00007	0.00015
8	3	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00016	0.00007	0.00010	0.00017	0.00007	0.00015
8	3	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015
8	3	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015
8	3	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
8	3	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
8	3	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00018	0.00021	0.00019	0.00017	0.00007	0.00014
8	3	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00017	0.00025	0.00021	0.00016	0.00008	0.00014
8	3	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
8	3	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00016	0.00025	0.00018	0.00015	0.00008	0.00013
8	3	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
8	3	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00014	0.00022	0.00015	0.00013	0.00008	0.00010
8	3	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00010	0.00015	0.00018	0.00012	0.00012	0.00008	0.00010
8	4	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	4	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
8	4	3
8	4	4
8	4	5
8	4	6
8	4	7
8	4	8
8	4	9
8	4	10
8	4	11
8	4	12
8	4	13
8	4	14
8	4	15
8	4	16
8	4	17
8	4	18
8	4	19
8	4	20
8	4	21
8	4	22
8	4	23
8	4	24
8	5	1
8	5	2
8	5	3
8	5	4
8	5	5
8	5	6
8	5	7
8	5	8
8	5	9
8	5	10
8	5	11
8	5	12
8	5	13
8	5	14
8	5	15
8	5	16
8	5	17
8	5	18
8	5	19
8	5	20
8	5	21
8	5	22
8	5	23
8	5	24
8	6	1
8	6	2
8	6	3
8	6	4
8	6	5
8	6	6
8	6	7
8	6	8
8	6	9
8	6	10
8	6	11
8	6	12

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00015
0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
0.00016	0.00009	0.00011	0.00016	0.00006	0.00015
0.00016	0.00010	0.00012	0.00016	0.00006	0.00015
0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
0.00016	0.00017	0.00016	0.00016	0.00007	0.00014
0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
0.00015	0.00025	0.00021	0.00015	0.00008	0.00014
0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00013
0.00013	0.00023	0.00017	0.00013	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00010
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00010	0.00001	0.00009	0.00010	0.00009	0.00013
0.00011	0.00003	0.00014	0.00011	0.00008	0.00014
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00012	0.00004	0.00011	0.00012	0.00007	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00015
0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
0.00013	0.00009	0.00011	0.00013	0.00006	0.00015
0.00014	0.00010	0.00012	0.00014	0.00006	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00014	0.00017	0.00016	0.00014	0.00007	0.00014
0.00014	0.00021	0.00019	0.00014	0.00007	0.00014
0.00013	0.00025	0.00021	0.00013	0.00008	0.00014
0.00013	0.00025	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00013
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00010
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00007	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00015

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00007	0.00014
0.00015	0.00005	0.00010	0.00015	0.00007	0.00015
0.00016	0.00007	0.00010	0.00015	0.00007	0.00015
0.00017	0.00009	0.00011	0.00016	0.00006	0.00015
0.00017	0.00010	0.00012	0.00016	0.00006	0.00015
0.00018	0.00013	0.00014	0.00016	0.00007	0.00015
0.00018	0.00017	0.00016	0.00016	0.00007	0.00014
0.00018	0.00021	0.00019	0.00015	0.00007	0.00014
0.00017	0.00025	0.00021	0.00015	0.00008	0.00014
0.00016	0.00025	0.00020	0.00015	0.00008	0.00013
0.00016	0.00025	0.00018	0.00014	0.00008	0.00013
0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
0.00014	0.00018	0.00012	0.00011	0.00008	0.00010
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
0.00014	0.00004	0.00011	0.00012	0.00007	0.00014
0.00014	0.00005	0.00010	0.00013	0.00007	0.00015
0.00015	0.00007	0.00010	0.00013	0.00007	0.00015
0.00016	0.00009	0.00011	0.00013	0.00006	0.00015
0.00016	0.00010	0.00012	0.00014	0.00006	0.00015
0.00017	0.00013	0.00014	0.00014	0.00007	0.00015
0.00017	0.00017	0.00016	0.00014	0.00007	0.00014
0.00017	0.00021	0.00019	0.00014	0.00007	0.00014
0.00016	0.00025	0.00021	0.00013	0.00008	0.00014
0.00015	0.00025	0.00020	0.00013	0.00008	0.00013
0.00015	0.00025	0.00018	0.00013	0.00008	0.00013
0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00014	0.00018	0.00012	0.00010	0.00008	0.00010
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
0.00010	0.00001	0.00009	0.00013	0.00009	0.00013
0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
0.00012	0.00004	0.00011	0.00014	0.00007	0.00014
0.00013	0.00005	0.00010	0.00014	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	6	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00013	0.00007	0.00010	0.00015	0.00007	0.00015
8	6	14	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015	0.00014	0.00009	0.00011	0.00015	0.00006	0.00015
8	6	15	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015
8	6	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
8	6	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
8	6	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00015	0.00021	0.00019	0.00014	0.00007	0.00014
8	6	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00015	0.00025	0.00021	0.00014	0.00008	0.00014
8	6	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
8	6	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013
8	6	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
8	6	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
8	6	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00010	0.00013	0.00018	0.00012	0.00010	0.00008	0.00010
8	7	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	7	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	7	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
8	7	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	7	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	7	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	7	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
8	7	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
8	7	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00009	0.00003	0.00014	0.00013	0.00008	0.00014
8	7	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
8	7	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00011	0.00004	0.00011	0.00014	0.00007	0.00014
8	7	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00015	0.00012	0.00005	0.00010	0.00014	0.00007	0.00015
8	7	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00013	0.00007	0.00010	0.00014	0.00007	0.00015
8	7	14	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015	0.00013	0.00009	0.00011	0.00015	0.00006	0.00015
8	7	15	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015	0.00014	0.00010	0.00012	0.00015	0.00006	0.00015
8	7	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
8	7	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00014	0.00015	0.00017	0.00016	0.00014	0.00007	0.00014
8	7	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00015	0.00021	0.00019	0.00014	0.00007	0.00014
8	7	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00015	0.00025	0.00021	0.00014	0.00008	0.00014
8	7	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
8	7	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013
8	7	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	7	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
8	7	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00010	0.00012	0.00018	0.00012	0.00010	0.00008	0.00010
8	8	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	8	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	8	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
8	8	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	8	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	8	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	8	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
8	8	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
8	8	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
8	8	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	8	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
8	8	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00015	0.00014	0.00005	0.00010	0.00015	0.00007	0.00015
8	8	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
8	8	14	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015
8	8	15	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015	0.00016	0.00010	0.00012	0.00015	0.00006	0.00015
8	8	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00017	0.00013	0.00014	0.00015	0.00007	0.00015
8	8	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00017	0.00017	0.00016	0.00015	0.00007	0.00014
8	8	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
8	8	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00016	0.00025	0.00021	0.00014	0.00008	0.00014
8	8	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
8	8	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	8	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	8	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	8	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	9	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
8	9	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	9	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	9	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	9	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	9	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	9	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
8	9	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	9	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
8	9	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
8	9	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
8	9	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00015	0.00014	0.00005	0.00010	0.00015	0.00007	0.00015
8	9	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
8	9	14	0.00016	0.00009	0.00011	0.00016	0.00006	0.00015	0.00015	0.00009	0.00011	0.00016	0.00006	0.00015
8	9	15	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015
8	9	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
8	9	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00017	0.00017	0.00016	0.00016	0.00007	0.00014
8	9	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00016	0.00021	0.00019	0.00015	0.00007	0.00014
8	9	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00016	0.00025	0.00021	0.00015	0.00008	0.00014
8	9	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
8	9	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	9	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	9	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	9	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	10	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
8	10	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	10	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	10	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	10	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	10	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	10	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
8	10	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	10	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
8	10	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	10	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
8	10	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00015	0.00014	0.00005	0.00010	0.00015	0.00007	0.00015
8	10	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00014	0.00007	0.00010	0.00016	0.00007	0.00015
8	10	14	0.00016	0.00009	0.00011	0.00016	0.00006	0.00015	0.00015	0.00009	0.00011	0.00016	0.00006	0.00015
8	10	15	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015
8	10	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015
8	10	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00017	0.00017	0.00016	0.00016	0.00007	0.00014
8	10	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
8	10	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00016	0.00025	0.00021	0.00015	0.00008	0.00014
8	10	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
8	10	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	10	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	10	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	10	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	11	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	11	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	11	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	11	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	11	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	11	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
8	11	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
8	11	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
8	11	9
8	11	10
8	11	11
8	11	12
8	11	13
8	11	14
8	11	15
8	11	16
8	11	17
8	11	18
8	11	19
8	11	20
8	11	21
8	11	22
8	11	23
8	11	24
8	12	1
8	12	2
8	12	3
8	12	4
8	12	5
8	12	6
8	12	7
8	12	8
8	12	9
8	12	10
8	12	11
8	12	12
8	12	13
8	12	14
8	12	15
8	12	16
8	12	17
8	12	18
8	12	19
8	12	20
8	12	21
8	12	22
8	12	23
8	12	24
8	13	1
8	13	2
8	13	3
8	13	4
8	13	5
8	13	6
8	13	7
8	13	8
8	13	9
8	13	10
8	13	11
8	13	12
8	13	13
8	13	14
8	13	15
8	13	16
8	13	17
8	13	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00007	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00015
0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00006	0.00015
0.00014	0.00010	0.00012	0.00014	0.00006	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00014	0.00017	0.00016	0.00014	0.00007	0.00014
0.00014	0.00021	0.00019	0.00014	0.00007	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00013
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00010
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00007	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00010	0.00001	0.00009	0.00010	0.00009	0.00013
0.00011	0.00003	0.00014	0.00011	0.00008	0.00014
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00012	0.00004	0.00011	0.00012	0.00007	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00015
0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00006	0.00015
0.00014	0.00010	0.00012	0.00014	0.00006	0.00015
0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
0.00015	0.00021	0.00019	0.00015	0.00007	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00025	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00014	0.00008	0.00013
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00010
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00015	0.00004	0.00011	0.00015	0.00007	0.00014
0.00016	0.00005	0.00010	0.00016	0.00007	0.00015
0.00017	0.00007	0.00010	0.00017	0.00007	0.00015
0.00017	0.00009	0.00011	0.00017	0.00006	0.00015
0.00017	0.00010	0.00012	0.00017	0.00006	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
0.00017	0.00021	0.00019	0.00017	0.00007	0.00014

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00007	0.00014
0.00014	0.00005	0.00010	0.00013	0.00007	0.00015
0.00015	0.00007	0.00010	0.00014	0.00007	0.00015
0.00015	0.00009	0.00011	0.00014	0.00006	0.00015
0.00016	0.00010	0.00012	0.00014	0.00006	0.00015
0.00017	0.00013	0.00014	0.00014	0.00007	0.00015
0.00017	0.00017	0.00016	0.00014	0.00007	0.00014
0.00017	0.00021	0.00019	0.00014	0.00007	0.00014
0.00016	0.00025	0.00021	0.00014	0.00008	0.00014
0.00015	0.00025	0.00020	0.00014	0.00008	0.00013
0.00015	0.00025	0.00018	0.00013	0.00008	0.00013
0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00013	0.00018	0.00012	0.00010	0.00008	0.00010
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
0.00014	0.00004	0.00011	0.00012	0.00007	0.00014
0.00014	0.00005	0.00010	0.00013	0.00007	0.00015
0.00015	0.00007	0.00010	0.00013	0.00007	0.00015
0.00016	0.00009	0.00011	0.00014	0.00006	0.00015
0.00016	0.00010	0.00012	0.00014	0.00006	0.00015
0.00017	0.00013	0.00014	0.00015	0.00007	0.00015
0.00017	0.00017	0.00016	0.00015	0.00007	0.00014
0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
0.00016	0.00025	0.00021	0.00014	0.00008	0.00014
0.00016	0.00025	0.00020	0.00014	0.00008	0.00013
0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
0.00014	0.00023	0.00017	0.00012	0.00008	0.00011
0.00013	0.00022	0.00015	0.00011	0.00008	0.00010
0.00014	0.00018	0.00012	0.00010	0.00008	0.00010
0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
0.00010	0.00001	0.00009	0.00013	0.00009	0.00013
0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
0.00012	0.00003	0.00014	0.00015	0.00008	0.00014
0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
0.00014	0.00005	0.00010	0.00016	0.00007	0.00015
0.00015	0.00007	0.00010	0.00017	0.00007	0.00015
0.00016	0.00009	0.00011	0.00017	0.00006	0.00015
0.00016	0.00010	0.00012	0.00017	0.00006	0.00015
0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
0.00017	0.00021	0.00019	0.00017	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	13	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00017	0.00025	0.00021	0.00016	0.00008	0.00014
8	13	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
8	13	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00016	0.00025	0.00018	0.00015	0.00008	0.00013
8	13	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
8	13	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
8	13	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00014	0.00018	0.00012	0.00011	0.00008	0.00010
8	14	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00011	0.00014	0.00009	0.00010	0.00008	0.00009
8	14	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	14	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
8	14	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	14	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	14	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	14	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
8	14	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
8	14	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
8	14	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
8	14	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00013	0.00004	0.00011	0.00016	0.00007	0.00014
8	14	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00014	0.00005	0.00010	0.00016	0.00007	0.00015
8	14	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00016	0.00007	0.00010	0.00017	0.00007	0.00015
8	14	14	0.00018	0.00009	0.00011	0.00018	0.00006	0.00015	0.00017	0.00009	0.00011	0.00018	0.00006	0.00015
8	14	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00017	0.00010	0.00012	0.00018	0.00006	0.00015
8	14	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
8	14	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
8	14	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00018	0.00021	0.00019	0.00017	0.00007	0.00014
8	14	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00018	0.00025	0.00021	0.00016	0.00008	0.00014
8	14	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00017	0.00025	0.00020	0.00016	0.00008	0.00013
8	14	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00017	0.00025	0.00018	0.00015	0.00008	0.00013
8	14	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00016	0.00023	0.00017	0.00014	0.00008	0.00011
8	14	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00014	0.00022	0.00015	0.00013	0.00008	0.00010
8	14	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00015	0.00018	0.00012	0.00011	0.00008	0.00010
8	15	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	15	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	15	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
8	15	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
8	15	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00010	0.00003	0.00002	0.00011	0.00009	0.00010
8	15	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	15	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00011	0.00001	0.00004	0.00012	0.00009	0.00012
8	15	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	15	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
8	15	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00014	0.00003	0.00014	0.00015	0.00008	0.00014
8	15	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00015	0.00004	0.00011	0.00016	0.00007	0.00014
8	15	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00015	0.00016	0.00005	0.00010	0.00017	0.00007	0.00015
8	15	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00018	0.00007	0.00010	0.00017	0.00007	0.00015
8	15	14	0.00018	0.00009	0.00011	0.00018	0.00006	0.00015	0.00019	0.00009	0.00011	0.00018	0.00006	0.00015
8	15	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00020	0.00010	0.00012	0.00018	0.00006	0.00015
8	15	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00020	0.00013	0.00014	0.00018	0.00007	0.00015
8	15	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00020	0.00017	0.00016	0.00018	0.00007	0.00014
8	15	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00020	0.00021	0.00019	0.00017	0.00007	0.00014
8	15	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00019	0.00025	0.00021	0.00016	0.00008	0.00014
8	15	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00018	0.00025	0.00020	0.00016	0.00008	0.00013
8	15	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00013	0.00018	0.00025	0.00018	0.00016	0.00008	0.00013
8	15	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00016	0.00023	0.00017	0.00014	0.00008	0.00011
8	15	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00014	0.00022	0.00015	0.00013	0.00008	0.00010
8	15	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00010	0.00016	0.00018	0.00012	0.00012	0.00008	0.00010
8	16	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	16	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	16	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
8	16	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	16	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
8	16	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
8	16	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
8	16	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	16	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	16	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
8	16	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00014	0.00004	0.00011	0.00016	0.00007	0.00014
8	16	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00015	0.00015	0.00005	0.00010	0.00017	0.00007	0.00015
8	16	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00016	0.00007	0.00010	0.00017	0.00007	0.00015
8	16	14	0.00018	0.00009	0.00011	0.00018	0.00006	0.00015	0.00017	0.00009	0.00011	0.00018	0.00006	0.00015
8	16	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015
8	16	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00019	0.00013	0.00014	0.00018	0.00007	0.00015
8	16	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00020	0.00017	0.00016	0.00018	0.00007	0.00014
8	16	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00019	0.00021	0.00019	0.00017	0.00007	0.00014
8	16	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00019	0.00025	0.00021	0.00016	0.00008	0.00014
8	16	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00018	0.00025	0.00020	0.00016	0.00008	0.00013
8	16	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00017	0.00025	0.00018	0.00015	0.00008	0.00013
8	16	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00016	0.00023	0.00017	0.00014	0.00008	0.00011
8	16	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00014	0.00022	0.00015	0.00013	0.00008	0.00010
8	16	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00015	0.00018	0.00012	0.00011	0.00008	0.00010
8	17	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	17	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	17	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	17	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	17	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
8	17	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	17	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
8	17	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	17	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	17	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
8	17	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00014	0.00004	0.00011	0.00016	0.00007	0.00014
8	17	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00015	0.00014	0.00005	0.00010	0.00017	0.00007	0.00015
8	17	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00015	0.00007	0.00010	0.00017	0.00007	0.00015
8	17	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00016	0.00009	0.00011	0.00017	0.00006	0.00015
8	17	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00017	0.00010	0.00012	0.00018	0.00006	0.00015
8	17	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
8	17	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00019	0.00017	0.00016	0.00017	0.00007	0.00014
8	17	18	0.00016	0.00021	0.00019	0.00016	0.00007	0.00014	0.00019	0.00021	0.00019	0.00016	0.00007	0.00014
8	17	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00018	0.00025	0.00021	0.00016	0.00008	0.00014
8	17	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00017	0.00025	0.00020	0.00016	0.00008	0.00013
8	17	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00017	0.00025	0.00018	0.00015	0.00008	0.00013
8	17	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00015	0.00023	0.00017	0.00014	0.00008	0.00011
8	17	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00014	0.00022	0.00015	0.00012	0.00008	0.00010
8	17	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00014	0.00018	0.00012	0.00011	0.00008	0.00010
8	18	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
8	18	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	18	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	18	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	18	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	18	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
8	18	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
8	18	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
8	18	9	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
8	18	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	18	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
8	18	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00015	0.00014	0.00005	0.00010	0.00015	0.00007	0.00015
8	18	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
8	18	14	0.00016	0.00009	0.00011	0.00016	0.00006	0.00015	0.00016	0.00009	0.00011	0.00016	0.00006	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	18	15	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015	0.00016	0.00010	0.00012	0.00016	0.00006	0.00015
8	18	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00017	0.00013	0.00014	0.00016	0.00007	0.00015
8	18	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00018	0.00017	0.00016	0.00016	0.00007	0.00014
8	18	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
8	18	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00017	0.00025	0.00021	0.00015	0.00008	0.00014
8	18	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00016	0.00025	0.00020	0.00015	0.00008	0.00013
8	18	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00016	0.00025	0.00018	0.00014	0.00008	0.00013
8	18	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00015	0.00023	0.00017	0.00013	0.00008	0.00011
8	18	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	18	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	19	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	19	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	19	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
8	19	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00010	0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
8	19	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
8	19	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
8	19	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
8	19	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
8	19	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
8	19	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
8	19	11	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014	0.00013	0.00004	0.00011	0.00013	0.00007	0.00014
8	19	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00015	0.00014	0.00005	0.00010	0.00014	0.00007	0.00015
8	19	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00015	0.00007	0.00010	0.00014	0.00007	0.00015
8	19	14	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015
8	19	15	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015	0.00016	0.00010	0.00012	0.00015	0.00006	0.00015
8	19	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00017	0.00013	0.00014	0.00016	0.00007	0.00015
8	19	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00017	0.00017	0.00016	0.00016	0.00007	0.00014
8	19	18	0.00015	0.00021	0.00019	0.00015	0.00007	0.00014	0.00017	0.00021	0.00019	0.00015	0.00007	0.00014
8	19	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00016	0.00025	0.00021	0.00015	0.00008	0.00014
8	19	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013
8	19	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	19	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	19	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	19	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	20	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	20	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	20	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	20	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	20	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	20	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	20	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
8	20	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
8	20	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
8	20	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
8	20	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00012	0.00004	0.00011	0.00016	0.00007	0.00014
8	20	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00015	0.00012	0.00005	0.00010	0.00017	0.00007	0.00015
8	20	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00013	0.00007	0.00010	0.00017	0.00007	0.00015
8	20	14	0.00018	0.00009	0.00011	0.00018	0.00006	0.00015	0.00014	0.00009	0.00011	0.00018	0.00006	0.00015
8	20	15	0.00018	0.00010	0.00012	0.00018	0.00006	0.00015	0.00014	0.00010	0.00012	0.00018	0.00006	0.00015
8	20	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00015	0.00013	0.00014	0.00018	0.00007	0.00015
8	20	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00015	0.00017	0.00016	0.00018	0.00007	0.00014
8	20	18	0.00018	0.00021	0.00019	0.00018	0.00007	0.00014	0.00015	0.00021	0.00019	0.00018	0.00007	0.00014
8	20	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00014	0.00025	0.00021	0.00017	0.00008	0.00014
8	20	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00014	0.00025	0.00020	0.00016	0.00008	0.00013
8	20	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00013	0.00014	0.00025	0.00018	0.00016	0.00008	0.00013
8	20	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00013	0.00023	0.00017	0.00014	0.00008	0.00011
8	20	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
8	20	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00012	0.00018	0.00012	0.00011	0.00008	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
8	21	1
8	21	2
8	21	3
8	21	4
8	21	5
8	21	6
8	21	7
8	21	8
8	21	9
8	21	10
8	21	11
8	21	12
8	21	13
8	21	14
8	21	15
8	21	16
8	21	17
8	21	18
8	21	19
8	21	20
8	21	21
8	21	22
8	21	23
8	21	24
8	22	1
8	22	2
8	22	3
8	22	4
8	22	5
8	22	6
8	22	7
8	22	8
8	22	9
8	22	10
8	22	11
8	22	12
8	22	13
8	22	14
8	22	15
8	22	16
8	22	17
8	22	18
8	22	19
8	22	20
8	22	21
8	22	22
8	22	23
8	22	24
8	23	1
8	23	2
8	23	3
8	23	4
8	23	5
8	23	6
8	23	7
8	23	8
8	23	9
8	23	10

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00011	0.00003	0.00002	0.00011	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00016	0.00004	0.00011	0.00016	0.00007	0.00014
0.00017	0.00005	0.00010	0.00017	0.00007	0.00015
0.00018	0.00007	0.00010	0.00018	0.00007	0.00015
0.00018	0.00009	0.00011	0.00018	0.00006	0.00015
0.00019	0.00010	0.00012	0.00019	0.00006	0.00015
0.00019	0.00013	0.00014	0.00019	0.00007	0.00015
0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
0.00018	0.00021	0.00019	0.00018	0.00007	0.00014
0.00017	0.00025	0.00021	0.00017	0.00008	0.00014
0.00017	0.00025	0.00020	0.00017	0.00008	0.00013
0.00016	0.00025	0.00018	0.00016	0.00008	0.00013
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00013	0.00022	0.00015	0.00013	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00010
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00011	0.00003	0.00002	0.00011	0.00009	0.00010
0.00012	0.00002	0.00002	0.00012	0.00009	0.00011
0.00013	0.00001	0.00004	0.00013	0.00009	0.00012
0.00014	0.00001	0.00009	0.00014	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014
0.00016	0.00004	0.00011	0.00016	0.00007	0.00014
0.00017	0.00005	0.00010	0.00017	0.00007	0.00015
0.00017	0.00007	0.00010	0.00017	0.00007	0.00015
0.00018	0.00009	0.00011	0.00018	0.00006	0.00015
0.00018	0.00010	0.00012	0.00018	0.00006	0.00015
0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
0.00017	0.00021	0.00019	0.00017	0.00007	0.00014
0.00017	0.00025	0.00021	0.00017	0.00008	0.00014
0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
0.00015	0.00025	0.00018	0.00015	0.00008	0.00013
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00010
0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00010
0.00011	0.00003	0.00002	0.00011	0.00009	0.00010
0.00012	0.00002	0.00002	0.00012	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00015	0.00003	0.00014	0.00015	0.00008	0.00014

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
0.00009	0.00003	0.00014	0.00014	0.00008	0.00014
0.00010	0.00003	0.00014	0.00015	0.00008	0.00014
0.00011	0.00004	0.00011	0.00016	0.00007	0.00014
0.00012	0.00005	0.00010	0.00017	0.00007	0.00015
0.00013	0.00007	0.00010	0.00018	0.00007	0.00015
0.00014	0.00009	0.00011	0.00018	0.00006	0.00015
0.00014	0.00010	0.00012	0.00019	0.00006	0.00015
0.00015	0.00013	0.00014	0.00019	0.00007	0.00015
0.00015	0.00017	0.00016	0.00018	0.00007	0.00014
0.00015	0.00021	0.00019	0.00018	0.00007	0.00014
0.00015	0.00025	0.00021	0.00017	0.00008	0.00014
0.00014	0.00025	0.00020	0.00017	0.00008	0.00013
0.00014	0.00025	0.00018	0.00016	0.00008	0.00013
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00012	0.00022	0.00015	0.00013	0.00008	0.00010
0.00012	0.00018	0.00012	0.00011	0.00008	0.00010
0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
0.00009	0.00003	0.00014	0.00014	0.00008	0.00014
0.00010	0.00003	0.00014	0.00015	0.00008	0.00014
0.00011	0.00004	0.00011	0.00016	0.00007	0.00014
0.00012	0.00005	0.00010	0.00017	0.00007	0.00015
0.00013	0.00007	0.00010	0.00018	0.00007	0.00015
0.00014	0.00009	0.00011	0.00018	0.00006	0.00015
0.00014	0.00010	0.00012	0.00019	0.00006	0.00015
0.00015	0.00013	0.00014	0.00019	0.00007	0.00015
0.00015	0.00017	0.00016	0.00018	0.00007	0.00014
0.00015	0.00021	0.00019	0.00018	0.00007	0.00014
0.00014	0.00025	0.00021	0.00017	0.00008	0.00014
0.00014	0.00025	0.00020	0.00017	0.00008	0.00013
0.00014	0.00025	0.00018	0.00016	0.00008	0.00013
0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
0.00012	0.00022	0.00015	0.00013	0.00008	0.00010
0.00012	0.00018	0.00012	0.00011	0.00008	0.00010
0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
0.00009	0.00003	0.00014	0.00014	0.00008	0.00014
0.00010	0.00003	0.00014	0.00015	0.00008	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	23	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00013	0.00004	0.00011	0.00016	0.00007	0.00014
8	23	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00014	0.00005	0.00010	0.00016	0.00007	0.00015
8	23	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00015	0.00007	0.00010	0.00017	0.00007	0.00015
8	23	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00016	0.00009	0.00011	0.00017	0.00006	0.00015
8	23	15	0.00017	0.00010	0.00012	0.00017	0.00006	0.00015	0.00016	0.00010	0.00012	0.00017	0.00006	0.00015
8	23	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00017	0.00013	0.00014	0.00018	0.00007	0.00015
8	23	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
8	23	18	0.00016	0.00021	0.00019	0.00016	0.00007	0.00014	0.00017	0.00021	0.00019	0.00016	0.00007	0.00014
8	23	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014
8	23	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013
8	23	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013
8	23	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011
8	23	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	23	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	24	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	24	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	24	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	24	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	24	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
8	24	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	24	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
8	24	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
8	24	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
8	24	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
8	24	11	0.00015	0.00004	0.00011	0.00015	0.00007	0.00014	0.00013	0.00004	0.00011	0.00015	0.00007	0.00014
8	24	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00014	0.00005	0.00010	0.00016	0.00007	0.00015
8	24	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00015	0.00007	0.00010	0.00016	0.00007	0.00015
8	24	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00016	0.00009	0.00011	0.00017	0.00006	0.00015
8	24	15	0.00017	0.00010	0.00012	0.00017	0.00006	0.00015	0.00016	0.00010	0.00012	0.00017	0.00006	0.00015
8	24	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015
8	24	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014
8	24	18	0.00016	0.00021	0.00019	0.00016	0.00007	0.00014	0.00017	0.00021	0.00019	0.00016	0.00007	0.00014
8	24	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00016	0.00025	0.00021	0.00015	0.00008	0.00014
8	24	20	0.00015	0.00025	0.00020	0.00015	0.00008	0.00013	0.00016	0.00025	0.00020	0.00015	0.00008	0.00013
8	24	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	24	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	24	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00013	0.00022	0.00015	0.00012	0.00008	0.00010
8	24	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	25	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	25	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009
8	25	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	25	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	25	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
8	25	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
8	25	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
8	25	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
8	25	9	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
8	25	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
8	25	11	0.00014	0.00004	0.00011	0.00014	0.00007	0.00014	0.00013	0.00004	0.00011	0.00014	0.00007	0.00014
8	25	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00015	0.00014	0.00005	0.00010	0.00014	0.00007	0.00015
8	25	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
8	25	14	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015	0.00015	0.00009	0.00011	0.00015	0.00006	0.00015
8	25	15	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015	0.00015	0.00010	0.00012	0.00015	0.00006	0.00015
8	25	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00016	0.00013	0.00014	0.00015	0.00007	0.00015
8	25	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00016	0.00017	0.00016	0.00015	0.00007	0.00014
8	25	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00016	0.00021	0.00019	0.00014	0.00007	0.00014
8	25	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00015	0.00025	0.00021	0.00014	0.00008	0.00014
8	25	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00015	0.00025	0.00020	0.00014	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	25	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00013	0.00015	0.00025	0.00018	0.00014	0.00008	0.00013
8	25	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00014	0.00023	0.00017	0.00013	0.00008	0.00011
8	25	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010
8	25	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00013	0.00018	0.00012	0.00011	0.00008	0.00010
8	26	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	26	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
8	26	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	26	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00010	0.00009	0.00005	0.00003	0.00009	0.00009	0.00010
8	26	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
8	26	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
8	26	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
8	26	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
8	26	9	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
8	26	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
8	26	11	0.00012	0.00004	0.00011	0.00012	0.00007	0.00014	0.00013	0.00004	0.00011	0.00012	0.00007	0.00014
8	26	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00015	0.00013	0.00005	0.00010	0.00013	0.00007	0.00015
8	26	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
8	26	14	0.00014	0.00009	0.00011	0.00014	0.00006	0.00015	0.00014	0.00009	0.00011	0.00014	0.00006	0.00015
8	26	15	0.00014	0.00010	0.00012	0.00014	0.00006	0.00015	0.00014	0.00010	0.00012	0.00014	0.00006	0.00015
8	26	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00015	0.00015	0.00013	0.00014	0.00014	0.00007	0.00015
8	26	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00014	0.00015	0.00017	0.00016	0.00014	0.00007	0.00014
8	26	18	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014	0.00014	0.00021	0.00019	0.00014	0.00007	0.00014
8	26	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
8	26	20	0.00014	0.00025	0.00020	0.00014	0.00008	0.00013	0.00013	0.00025	0.00020	0.00014	0.00008	0.00013
8	26	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00013	0.00013	0.00025	0.00018	0.00013	0.00008	0.00013
8	26	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
8	26	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
8	26	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00010	0.00012	0.00018	0.00012	0.00010	0.00008	0.00010
8	27	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
8	27	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
8	27	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
8	27	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	27	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
8	27	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
8	27	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
8	27	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
8	27	9	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
8	27	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
8	27	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00011	0.00004	0.00011	0.00016	0.00007	0.00014
8	27	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00015	0.00011	0.00005	0.00010	0.00016	0.00007	0.00015
8	27	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00012	0.00007	0.00010	0.00017	0.00007	0.00015
8	27	14	0.00017	0.00009	0.00011	0.00017	0.00006	0.00015	0.00012	0.00009	0.00011	0.00017	0.00006	0.00015
8	27	15	0.00017	0.00010	0.00012	0.00017	0.00006	0.00015	0.00012	0.00010	0.00012	0.00017	0.00006	0.00015
8	27	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00013	0.00013	0.00014	0.00018	0.00007	0.00015
8	27	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00013	0.00017	0.00016	0.00017	0.00007	0.00014
8	27	18	0.00017	0.00021	0.00019	0.00017	0.00007	0.00014	0.00013	0.00021	0.00019	0.00017	0.00007	0.00014
8	27	19	0.00016	0.00025	0.00021	0.00016	0.00008	0.00014	0.00013	0.00025	0.00021	0.00016	0.00008	0.00014
8	27	20	0.00016	0.00025	0.00020	0.00016	0.00008	0.00013	0.00013	0.00025	0.00020	0.00016	0.00008	0.00013
8	27	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00013	0.00013	0.00025	0.00018	0.00015	0.00008	0.00013
8	27	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00012	0.00023	0.00017	0.00014	0.00008	0.00011
8	27	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
8	27	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010	0.00011	0.00018	0.00012	0.00011	0.00008	0.00010
8	28	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
8	28	2	0.00010	0.00010	0.00007	0.00010	0.00009	0.00009	0.00009	0.00010	0.00007	0.00010	0.00009	0.00009
8	28	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	28	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00008	0.00005	0.00003	0.00010	0.00009	0.00010
8	28	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
8	28	6	0.00012	0.00002	0.00002	0.00012	0.00009	0.00011	0.00008	0.00002	0.00002	0.00012	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	28	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
8	28	8	0.00014	0.00001	0.00009	0.00014	0.00009	0.00013	0.00008	0.00001	0.00009	0.00014	0.00009	0.00013
8	28	9	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00009	0.00003	0.00014	0.00015	0.00008	0.00014
8	28	10	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00010	0.00003	0.00014	0.00016	0.00008	0.00014
8	28	11	0.00016	0.00004	0.00011	0.00016	0.00007	0.00014	0.00011	0.00004	0.00011	0.00016	0.00007	0.00014
8	28	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00015	0.00011	0.00005	0.00010	0.00017	0.00007	0.00015
8	28	13	0.00018	0.00007	0.00010	0.00018	0.00007	0.00015	0.00012	0.00007	0.00010	0.00018	0.00007	0.00015
8	28	14	0.00019	0.00009	0.00011	0.00019	0.00006	0.00015	0.00013	0.00009	0.00011	0.00019	0.00006	0.00015
8	28	15	0.00019	0.00010	0.00012	0.00019	0.00006	0.00015	0.00014	0.00010	0.00012	0.00019	0.00006	0.00015
8	28	16	0.00019	0.00013	0.00014	0.00019	0.00007	0.00015	0.00014	0.00013	0.00014	0.00019	0.00007	0.00015
8	28	17	0.00019	0.00017	0.00016	0.00019	0.00007	0.00014	0.00015	0.00017	0.00016	0.00019	0.00007	0.00014
8	28	18	0.00018	0.00021	0.00019	0.00018	0.00007	0.00014	0.00015	0.00021	0.00019	0.00018	0.00007	0.00014
8	28	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00015	0.00025	0.00021	0.00017	0.00008	0.00014
8	28	20	0.00017	0.00025	0.00020	0.00017	0.00008	0.00013	0.00014	0.00025	0.00020	0.00017	0.00008	0.00013
8	28	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00013	0.00014	0.00025	0.00018	0.00016	0.00008	0.00013
8	28	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00013	0.00023	0.00017	0.00014	0.00008	0.00011
8	28	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00012	0.00022	0.00015	0.00013	0.00008	0.00010
8	28	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00010	0.00012	0.00018	0.00012	0.00012	0.00008	0.00010
8	29	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
8	29	2	0.00011	0.00010	0.00007	0.00011	0.00009	0.00009	0.00009	0.00010	0.00007	0.00011	0.00009	0.00009
8	29	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
8	29	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00010	0.00009	0.00005	0.00003	0.00010	0.00009	0.00010
8	29	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
8	29	6	0.00012	0.00002	0.00002	0.00012	0.00009	0.00011	0.00009	0.00002	0.00002	0.00012	0.00009	0.00011
8	29	7	0.00013	0.00001	0.00004	0.00013	0.00009	0.00012	0.00010	0.00001	0.00004	0.00013	0.00009	0.00012
8	29	8	0.00014	0.00001	0.00009	0.00014	0.00009	0.00013	0.00011	0.00001	0.00009	0.00014	0.00009	0.00013
8	29	9	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00012	0.00003	0.00014	0.00015	0.00008	0.00014
8	29	10	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00013	0.00003	0.00014	0.00016	0.00008	0.00014
8	29	11	0.00017	0.00004	0.00011	0.00017	0.00007	0.00014	0.00014	0.00004	0.00011	0.00017	0.00007	0.00014
8	29	12	0.00018	0.00005	0.00010	0.00018	0.00007	0.00015	0.00015	0.00005	0.00010	0.00018	0.00007	0.00015
8	29	13	0.00019	0.00007	0.00010	0.00019	0.00007	0.00015	0.00015	0.00007	0.00010	0.00019	0.00007	0.00015
8	29	14	0.00020	0.00009	0.00011	0.00020	0.00006	0.00015	0.00017	0.00009	0.00011	0.00020	0.00006	0.00015
8	29	15	0.00020	0.00010	0.00012	0.00020	0.00006	0.00015	0.00018	0.00010	0.00012	0.00020	0.00006	0.00015
8	29	16	0.00020	0.00013	0.00014	0.00020	0.00007	0.00015	0.00018	0.00013	0.00014	0.00020	0.00007	0.00015
8	29	17	0.00020	0.00017	0.00016	0.00020	0.00007	0.00014	0.00019	0.00017	0.00016	0.00020	0.00007	0.00014
8	29	18	0.00019	0.00021	0.00019	0.00019	0.00007	0.00014	0.00019	0.00021	0.00019	0.00019	0.00007	0.00014
8	29	19	0.00019	0.00025	0.00021	0.00019	0.00008	0.00014	0.00018	0.00025	0.00021	0.00019	0.00008	0.00014
8	29	20	0.00018	0.00025	0.00020	0.00018	0.00008	0.00013	0.00017	0.00025	0.00020	0.00018	0.00008	0.00013
8	29	21	0.00017	0.00025	0.00018	0.00017	0.00008	0.00013	0.00017	0.00025	0.00018	0.00017	0.00008	0.00013
8	29	22	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011
8	29	23	0.00014	0.00022	0.00015	0.00014	0.00008	0.00010	0.00014	0.00022	0.00015	0.00014	0.00008	0.00010
8	29	24	0.00013	0.00018	0.00012	0.00013	0.00008	0.00010	0.00014	0.00018	0.00012	0.00013	0.00008	0.00010
8	30	1	0.00012	0.00014	0.00009	0.00012	0.00008	0.00009	0.00011	0.00014	0.00009	0.00012	0.00008	0.00009
8	30	2	0.00011	0.00010	0.00007	0.00011	0.00009	0.00009	0.00010	0.00010	0.00007	0.00011	0.00009	0.00009
8	30	3	0.00011	0.00007	0.00005	0.00011	0.00009	0.00009	0.00010	0.00007	0.00005	0.00011	0.00009	0.00009
8	30	4	0.00011	0.00005	0.00003	0.00011	0.00009	0.00010	0.00009	0.00005	0.00003	0.00011	0.00009	0.00010
8	30	5	0.00012	0.00003	0.00002	0.00012	0.00009	0.00010	0.00009	0.00003	0.00002	0.00012	0.00009	0.00010
8	30	6	0.00013	0.00002	0.00002	0.00013	0.00009	0.00011	0.00010	0.00002	0.00002	0.00013	0.00009	0.00011
8	30	7	0.00014	0.00001	0.00004	0.00014	0.00009	0.00012	0.00011	0.00001	0.00004	0.00014	0.00009	0.00012
8	30	8	0.00015	0.00001	0.00009	0.00015	0.00009	0.00013	0.00011	0.00001	0.00009	0.00015	0.00009	0.00013
8	30	9	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00012	0.00003	0.00014	0.00016	0.00008	0.00014
8	30	10	0.00017	0.00003	0.00014	0.00017	0.00008	0.00014	0.00013	0.00003	0.00014	0.00017	0.00008	0.00014
8	30	11	0.00018	0.00004	0.00011	0.00018	0.00007	0.00014	0.00014	0.00004	0.00011	0.00018	0.00007	0.00014
8	30	12	0.00019	0.00005	0.00010	0.00019	0.00007	0.00015	0.00016	0.00005	0.00010	0.00019	0.00007	0.00015
8	30	13	0.00019	0.00007	0.00010	0.00019	0.00007	0.00015	0.00017	0.00007	0.00010	0.00019	0.00007	0.00015
8	30	14	0.00020	0.00009	0.00011	0.00020	0.00006	0.00015	0.00018	0.00009	0.00011	0.00020	0.00006	0.00015
8	30	15	0.00020	0.00010	0.00012	0.00020	0.00006	0.00015	0.00019	0.00010	0.00012	0.00020	0.00006	0.00015
8	30	16	0.00020	0.00013	0.00014	0.00020	0.00007	0.00015	0.00020	0.00013	0.00014	0.00020	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
8	30	17	0.00019	0.00017	0.00016	0.00019	0.00007	0.00014	0.00020	0.00017	0.00016	0.00019	0.00007	0.00014
8	30	18	0.00018	0.00021	0.00019	0.00018	0.00007	0.00014	0.00020	0.00021	0.00019	0.00018	0.00007	0.00014
8	30	19	0.00018	0.00025	0.00021	0.00018	0.00008	0.00014	0.00019	0.00025	0.00021	0.00018	0.00008	0.00014
8	30	20	0.00018	0.00025	0.00020	0.00018	0.00008	0.00013	0.00018	0.00025	0.00020	0.00018	0.00008	0.00013
8	30	21	0.00017	0.00025	0.00018	0.00017	0.00008	0.00013	0.00018	0.00025	0.00018	0.00017	0.00008	0.00013
8	30	22	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011	0.00016	0.00023	0.00017	0.00015	0.00008	0.00011
8	30	23	0.00014	0.00022	0.00015	0.00014	0.00008	0.00010	0.00014	0.00022	0.00015	0.00014	0.00008	0.00010
8	30	24	0.00013	0.00018	0.00012	0.00013	0.00008	0.00010	0.00015	0.00018	0.00012	0.00013	0.00008	0.00010
8	31	1	0.00012	0.00014	0.00009	0.00012	0.00008	0.00009	0.00011	0.00014	0.00009	0.00012	0.00008	0.00009
8	31	2	0.00011	0.00010	0.00007	0.00011	0.00009	0.00009	0.00010	0.00010	0.00007	0.00011	0.00009	0.00009
8	31	3	0.00011	0.00007	0.00005	0.00011	0.00009	0.00009	0.00009	0.00007	0.00005	0.00011	0.00009	0.00009
8	31	4	0.00011	0.00005	0.00003	0.00011	0.00009	0.00010	0.00009	0.00005	0.00003	0.00011	0.00009	0.00010
8	31	5	0.00012	0.00003	0.00002	0.00012	0.00009	0.00010	0.00009	0.00003	0.00002	0.00012	0.00009	0.00010
8	31	6	0.00013	0.00002	0.00002	0.00013	0.00009	0.00011	0.00009	0.00002	0.00002	0.00013	0.00009	0.00011
8	31	7	0.00014	0.00001	0.00004	0.00014	0.00009	0.00012	0.00010	0.00001	0.00004	0.00014	0.00009	0.00012
8	31	8	0.00015	0.00001	0.00009	0.00015	0.00009	0.00013	0.00011	0.00001	0.00009	0.00015	0.00009	0.00013
8	31	9	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00012	0.00003	0.00014	0.00016	0.00008	0.00014
8	31	10	0.00017	0.00003	0.00014	0.00017	0.00008	0.00014	0.00013	0.00003	0.00014	0.00017	0.00008	0.00014
8	31	11	0.00018	0.00004	0.00011	0.00018	0.00007	0.00014	0.00014	0.00004	0.00011	0.00018	0.00007	0.00014
8	31	12	0.00019	0.00005	0.00010	0.00019	0.00007	0.00015	0.00015	0.00005	0.00010	0.00019	0.00007	0.00015
8	31	13	0.00020	0.00007	0.00010	0.00020	0.00007	0.00015	0.00016	0.00007	0.00010	0.00020	0.00007	0.00015
8	31	14	0.00020	0.00009	0.00011	0.00020	0.00006	0.00015	0.00017	0.00009	0.00011	0.00020	0.00006	0.00015
8	31	15	0.00020	0.00010	0.00012	0.00020	0.00006	0.00015	0.00018	0.00010	0.00012	0.00020	0.00006	0.00015
8	31	16	0.00020	0.00013	0.00014	0.00020	0.00007	0.00015	0.00019	0.00013	0.00014	0.00020	0.00007	0.00015
8	31	17	0.00020	0.00017	0.00016	0.00020	0.00007	0.00014	0.00019	0.00017	0.00016	0.00020	0.00007	0.00014
8	31	18	0.00019	0.00021	0.00019	0.00019	0.00007	0.00014	0.00018	0.00021	0.00019	0.00019	0.00007	0.00014
8	31	19	0.00018	0.00025	0.00021	0.00018	0.00008	0.00014	0.00017	0.00025	0.00021	0.00018	0.00008	0.00014
8	31	20	0.00018	0.00025	0.00020	0.00018	0.00008	0.00013	0.00017	0.00025	0.00020	0.00018	0.00008	0.00013
8	31	21	0.00017	0.00025	0.00018	0.00017	0.00008	0.00013	0.00016	0.00025	0.00018	0.00017	0.00008	0.00013
8	31	22	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011
8	31	23	0.00014	0.00022	0.00015	0.00014	0.00008	0.00010	0.00013	0.00022	0.00015	0.00014	0.00008	0.00010
8	31	24	0.00013	0.00018	0.00012	0.00013	0.00008	0.00010	0.00014	0.00018	0.00012	0.00013	0.00008	0.00010
9	1	1	0.00012	0.00014	0.00009	0.00012	0.00008	0.00009	0.00011	0.00014	0.00009	0.00012	0.00008	0.00009
9	1	2	0.00011	0.00010	0.00006	0.00011	0.00009	0.00009	0.00010	0.00010	0.00006	0.00011	0.00009	0.00009
9	1	3	0.00011	0.00007	0.00005	0.00011	0.00009	0.00009	0.00010	0.00007	0.00005	0.00011	0.00009	0.00009
9	1	4	0.00011	0.00005	0.00003	0.00011	0.00009	0.00009	0.00009	0.00005	0.00003	0.00011	0.00009	0.00009
9	1	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00009	0.00003	0.00002	0.00011	0.00009	0.00010
9	1	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
9	1	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
9	1	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
9	1	9	0.00014	0.00003	0.00014	0.00014	0.00009	0.00014	0.00012	0.00003	0.00014	0.00014	0.00009	0.00014
9	1	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00013	0.00003	0.00014	0.00015	0.00008	0.00014
9	1	11	0.00016	0.00004	0.00011	0.00016	0.00008	0.00014	0.00014	0.00004	0.00011	0.00016	0.00008	0.00014
9	1	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00014	0.00015	0.00005	0.00010	0.00017	0.00007	0.00014
9	1	13	0.00018	0.00007	0.00010	0.00018	0.00007	0.00015	0.00016	0.00007	0.00010	0.00018	0.00007	0.00015
9	1	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00017	0.00009	0.00011	0.00018	0.00007	0.00015
9	1	15	0.00019	0.00010	0.00012	0.00019	0.00007	0.00015	0.00017	0.00010	0.00012	0.00019	0.00007	0.00015
9	1	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015
9	1	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014
9	1	18	0.00018	0.00022	0.00019	0.00018	0.00008	0.00014	0.00018	0.00022	0.00019	0.00018	0.00008	0.00014
9	1	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014
9	1	20	0.00017	0.00026	0.00020	0.00017	0.00008	0.00013	0.00016	0.00026	0.00020	0.00017	0.00008	0.00013
9	1	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00012	0.00016	0.00025	0.00018	0.00016	0.00008	0.00012
9	1	22	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011
9	1	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010
9	1	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00009	0.00014	0.00018	0.00012	0.00012	0.00008	0.00009
9	2	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009
9	2	2	0.00011	0.00010	0.00006	0.00011	0.00009	0.00009	0.00010	0.00010	0.00006	0.00011	0.00009	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	2	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
9	2	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00009	0.00005	0.00003	0.00010	0.00009	0.00009
9	2	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	2	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
9	2	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
9	2	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
9	2	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00012	0.00003	0.00014	0.00013	0.00009	0.00014
9	2	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00013	0.00003	0.00014	0.00014	0.00008	0.00014
9	2	11	0.00016	0.00004	0.00011	0.00016	0.00008	0.00014	0.00013	0.00004	0.00011	0.00016	0.00008	0.00014
9	2	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00014	0.00014	0.00005	0.00010	0.00017	0.00007	0.00014
9	2	13	0.00017	0.00007	0.00010	0.00017	0.00007	0.00015	0.00015	0.00007	0.00010	0.00017	0.00007	0.00015
9	2	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00015	0.00009	0.00011	0.00018	0.00007	0.00015
9	2	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00016	0.00010	0.00012	0.00018	0.00007	0.00015
9	2	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00016	0.00013	0.00014	0.00018	0.00007	0.00015
9	2	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00016	0.00017	0.00016	0.00018	0.00007	0.00014
9	2	18	0.00017	0.00022	0.00019	0.00017	0.00008	0.00014	0.00016	0.00022	0.00019	0.00017	0.00008	0.00014
9	2	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00015	0.00025	0.00021	0.00017	0.00008	0.00014
9	2	20	0.00017	0.00026	0.00020	0.00017	0.00008	0.00013	0.00015	0.00026	0.00020	0.00017	0.00008	0.00013
9	2	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00012	0.00014	0.00025	0.00018	0.00016	0.00008	0.00012
9	2	22	0.00015	0.00023	0.00017	0.00015	0.00008	0.00011	0.00013	0.00023	0.00017	0.00015	0.00008	0.00011
9	2	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00012	0.00022	0.00015	0.00013	0.00008	0.00010
9	2	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00009	0.00013	0.00018	0.00012	0.00012	0.00008	0.00009
9	3	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
9	3	2	0.00011	0.00010	0.00006	0.00011	0.00009	0.00009	0.00010	0.00010	0.00006	0.00011	0.00009	0.00009
9	3	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
9	3	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00009	0.00005	0.00003	0.00010	0.00009	0.00009
9	3	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	3	6	0.00010	0.00002	0.00002	0.00010	0.00009	0.00011	0.00009	0.00002	0.00002	0.00010	0.00009	0.00011
9	3	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
9	3	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
9	3	9	0.00014	0.00003	0.00014	0.00014	0.00009	0.00014	0.00010	0.00003	0.00014	0.00014	0.00009	0.00014
9	3	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00011	0.00003	0.00014	0.00015	0.00008	0.00014
9	3	11	0.00016	0.00004	0.00011	0.00016	0.00008	0.00014	0.00011	0.00004	0.00011	0.00016	0.00008	0.00014
9	3	12	0.00017	0.00005	0.00010	0.00017	0.00007	0.00014	0.00012	0.00005	0.00010	0.00017	0.00007	0.00014
9	3	13	0.00018	0.00007	0.00010	0.00018	0.00007	0.00015	0.00012	0.00007	0.00010	0.00018	0.00007	0.00015
9	3	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00013	0.00009	0.00011	0.00018	0.00007	0.00015
9	3	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00013	0.00010	0.00012	0.00018	0.00007	0.00015
9	3	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00013	0.00013	0.00014	0.00018	0.00007	0.00015
9	3	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00013	0.00017	0.00016	0.00018	0.00007	0.00014
9	3	18	0.00018	0.00022	0.00019	0.00018	0.00008	0.00014	0.00013	0.00022	0.00019	0.00018	0.00008	0.00014
9	3	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00013	0.00025	0.00021	0.00017	0.00008	0.00014
9	3	20	0.00017	0.00026	0.00020	0.00017	0.00008	0.00013	0.00013	0.00026	0.00020	0.00017	0.00008	0.00013
9	3	21	0.00016	0.00025	0.00018	0.00016	0.00008	0.00012	0.00013	0.00025	0.00018	0.00016	0.00008	0.00012
9	3	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00012	0.00023	0.00017	0.00014	0.00008	0.00011
9	3	23	0.00013	0.00022	0.00015	0.00013	0.00008	0.00010	0.00011	0.00022	0.00015	0.00013	0.00008	0.00010
9	3	24	0.00012	0.00018	0.00012	0.00012	0.00008	0.00009	0.00011	0.00018	0.00012	0.00012	0.00008	0.00009
9	4	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00010	0.00014	0.00009	0.00011	0.00008	0.00009
9	4	2	0.00010	0.00010	0.00006	0.00010	0.00009	0.00009	0.00009	0.00010	0.00006	0.00010	0.00009	0.00009
9	4	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
9	4	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00008	0.00005	0.00003	0.00010	0.00009	0.00009
9	4	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
9	4	6	0.00012	0.00002	0.00002	0.00012	0.00009	0.00011	0.00008	0.00002	0.00002	0.00012	0.00009	0.00011
9	4	7	0.00013	0.00001	0.00004	0.00013	0.00009	0.00012	0.00008	0.00001	0.00004	0.00013	0.00009	0.00012
9	4	8	0.00014	0.00001	0.00009	0.00014	0.00009	0.00013	0.00009	0.00001	0.00009	0.00014	0.00009	0.00013
9	4	9	0.00016	0.00003	0.00014	0.00016	0.00009	0.00014	0.00009	0.00003	0.00014	0.00016	0.00009	0.00014
9	4	10	0.00016	0.00003	0.00014	0.00016	0.00008	0.00014	0.00010	0.00003	0.00014	0.00016	0.00008	0.00014
9	4	11	0.00017	0.00004	0.00011	0.00017	0.00008	0.00014	0.00010	0.00004	0.00011	0.00017	0.00008	0.00014
9	4	12	0.00018	0.00005	0.00010	0.00018	0.00007	0.00014	0.00010	0.00005	0.00010	0.00018	0.00007	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	4	13	0.00018	0.00007	0.00010	0.00018	0.00007	0.00015	0.00011	0.00007	0.00010	0.00018	0.00007	0.00015
9	4	14	0.00018	0.00009	0.00011	0.00018	0.00007	0.00015	0.00011	0.00009	0.00011	0.00018	0.00007	0.00015
9	4	15	0.00018	0.00010	0.00012	0.00018	0.00007	0.00015	0.00011	0.00010	0.00012	0.00018	0.00007	0.00015
9	4	16	0.00018	0.00013	0.00014	0.00018	0.00007	0.00015	0.00011	0.00013	0.00014	0.00018	0.00007	0.00015
9	4	17	0.00018	0.00017	0.00016	0.00018	0.00007	0.00014	0.00012	0.00017	0.00016	0.00018	0.00007	0.00014
9	4	18	0.00017	0.00022	0.00019	0.00017	0.00008	0.00014	0.00012	0.00022	0.00019	0.00017	0.00008	0.00014
9	4	19	0.00017	0.00025	0.00021	0.00017	0.00008	0.00014	0.00011	0.00025	0.00021	0.00017	0.00008	0.00014
9	4	20	0.00016	0.00026	0.00020	0.00016	0.00008	0.00013	0.00012	0.00026	0.00020	0.00016	0.00008	0.00013
9	4	21	0.00015	0.00025	0.00018	0.00015	0.00008	0.00012	0.00012	0.00025	0.00018	0.00015	0.00008	0.00012
9	4	22	0.00014	0.00023	0.00017	0.00014	0.00008	0.00011	0.00012	0.00023	0.00017	0.00014	0.00008	0.00011
9	4	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
9	4	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00010	0.00018	0.00012	0.00011	0.00008	0.00009
9	5	1	0.00011	0.00014	0.00009	0.00011	0.00008	0.00009	0.00009	0.00014	0.00009	0.00011	0.00008	0.00009
9	5	2	0.00010	0.00010	0.00006	0.00010	0.00009	0.00009	0.00009	0.00010	0.00006	0.00010	0.00009	0.00009
9	5	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00008	0.00007	0.00005	0.00010	0.00009	0.00009
9	5	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00008	0.00005	0.00003	0.00010	0.00009	0.00009
9	5	5	0.00011	0.00003	0.00002	0.00011	0.00009	0.00010	0.00008	0.00003	0.00002	0.00011	0.00009	0.00010
9	5	6	0.00012	0.00002	0.00002	0.00012	0.00009	0.00011	0.00008	0.00002	0.00002	0.00012	0.00009	0.00011
9	5	7	0.00013	0.00001	0.00004	0.00013	0.00009	0.00012	0.00008	0.00001	0.00004	0.00013	0.00009	0.00012
9	5	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
9	5	9	0.00014	0.00003	0.00014	0.00014	0.00009	0.00014	0.00009	0.00003	0.00014	0.00014	0.00009	0.00014
9	5	10	0.00015	0.00003	0.00014	0.00015	0.00008	0.00014	0.00010	0.00003	0.00014	0.00015	0.00008	0.00014
9	5	11	0.00016	0.00004	0.00011	0.00016	0.00008	0.00014	0.00010	0.00004	0.00011	0.00016	0.00008	0.00014
9	5	12	0.00016	0.00005	0.00010	0.00016	0.00007	0.00014	0.00011	0.00005	0.00010	0.00016	0.00007	0.00014
9	5	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00011	0.00007	0.00010	0.00016	0.00007	0.00015
9	5	14	0.00017	0.00009	0.00011	0.00017	0.00007	0.00015	0.00011	0.00009	0.00011	0.00017	0.00007	0.00015
9	5	15	0.00017	0.00010	0.00012	0.00017	0.00007	0.00015	0.00012	0.00010	0.00012	0.00017	0.00007	0.00015
9	5	16	0.00017	0.00013	0.00014	0.00017	0.00007	0.00015	0.00012	0.00013	0.00014	0.00017	0.00007	0.00015
9	5	17	0.00017	0.00017	0.00016	0.00017	0.00007	0.00014	0.00012	0.00017	0.00016	0.00017	0.00007	0.00014
9	5	18	0.00016	0.00022	0.00019	0.00016	0.00008	0.00014	0.00012	0.00022	0.00019	0.00016	0.00008	0.00014
9	5	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00012	0.00025	0.00021	0.00015	0.00008	0.00014
9	5	20	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013	0.00013	0.00026	0.00020	0.00015	0.00008	0.00013
9	5	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00013	0.00025	0.00018	0.00014	0.00008	0.00012
9	5	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00012	0.00023	0.00017	0.00013	0.00008	0.00011
9	5	23	0.00012	0.00022	0.00015	0.00012	0.00008	0.00010	0.00011	0.00022	0.00015	0.00012	0.00008	0.00010
9	5	24	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009	0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
9	6	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
9	6	2	0.00010	0.00010	0.00006	0.00010	0.00009	0.00009	0.00008	0.00010	0.00006	0.00010	0.00009	0.00009
9	6	3	0.00010	0.00007	0.00005	0.00010	0.00009	0.00009	0.00008	0.00007	0.00005	0.00010	0.00009	0.00009
9	6	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00008	0.00005	0.00003	0.00010	0.00009	0.00009
9	6	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
9	6	6	0.00012	0.00002	0.00002	0.00012	0.00009	0.00011	0.00009	0.00002	0.00002	0.00012	0.00009	0.00011
9	6	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
9	6	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00010	0.00001	0.00009	0.00013	0.00009	0.00013
9	6	9	0.00014	0.00003	0.00014	0.00014	0.00009	0.00014	0.00011	0.00003	0.00014	0.00014	0.00009	0.00014
9	6	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
9	6	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00012	0.00004	0.00011	0.00015	0.00008	0.00014
9	6	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00013	0.00005	0.00010	0.00015	0.00007	0.00014
9	6	13	0.00016	0.00007	0.00010	0.00016	0.00007	0.00015	0.00013	0.00007	0.00010	0.00016	0.00007	0.00015
9	6	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00014	0.00009	0.00011	0.00016	0.00007	0.00015
9	6	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00014	0.00010	0.00012	0.00016	0.00007	0.00015
9	6	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00015	0.00013	0.00014	0.00016	0.00007	0.00015
9	6	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00015	0.00017	0.00016	0.00016	0.00007	0.00014
9	6	18	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014
9	6	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00014	0.00025	0.00021	0.00015	0.00008	0.00014
9	6	20	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013
9	6	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
9	6	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
9	6	23
9	6	24
9	7	1
9	7	2
9	7	3
9	7	4
9	7	5
9	7	6
9	7	7
9	7	8
9	7	9
9	7	10
9	7	11
9	7	12
9	7	13
9	7	14
9	7	15
9	7	16
9	7	17
9	7	18
9	7	19
9	7	20
9	7	21
9	7	22
9	7	23
9	7	24
9	8	1
9	8	2
9	8	3
9	8	4
9	8	5
9	8	6
9	8	7
9	8	8
9	8	9
9	8	10
9	8	11
9	8	12
9	8	13
9	8	14
9	8	15
9	8	16
9	8	17
9	8	18
9	8	19
9	8	20
9	8	21
9	8	22
9	8	23
9	8	24
9	9	1
9	9	2
9	9	3
9	9	4
9	9	5
9	9	6
9	9	7
9	9	8

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00011	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00010	0.00010	0.00006	0.00010	0.00009	0.00009
0.00010	0.00007	0.00005	0.00010	0.00009	0.00009
0.00010	0.00005	0.00003	0.00010	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00012	0.00001	0.00004	0.00012	0.00009	0.00012
0.00013	0.00001	0.00009	0.00013	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00014
0.00014	0.00003	0.00014	0.00014	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00015	0.00007	0.00010	0.00015	0.00007	0.00015
0.00015	0.00009	0.00011	0.00015	0.00007	0.00015
0.00015	0.00010	0.00012	0.00015	0.00007	0.00015
0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
0.00014	0.00022	0.00019	0.00014	0.00008	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
0.00011	0.00001	0.00009	0.00011	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
0.00012	0.00003	0.00014	0.00012	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00008	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00007	0.00015
0.00014	0.00010	0.00012	0.00014	0.00007	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00014	0.00017	0.00016	0.00014	0.00007	0.00014
0.00013	0.00022	0.00019	0.00013	0.00008	0.00014
0.00013	0.00025	0.00021	0.00013	0.00008	0.00014
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
0.00011	0.00001	0.00009	0.00010	0.00009	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
0.00012	0.00018	0.00012	0.00011	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00010	0.00009	0.00009
0.00009	0.00007	0.00005	0.00010	0.00009	0.00009
0.00009	0.00005	0.00003	0.00010	0.00009	0.00009
0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
0.00011	0.00003	0.00014	0.00013	0.00009	0.00014
0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
0.00013	0.00004	0.00011	0.00014	0.00008	0.00014
0.00013	0.00005	0.00010	0.00014	0.00007	0.00014
0.00014	0.00007	0.00010	0.00015	0.00007	0.00015
0.00014	0.00009	0.00011	0.00015	0.00007	0.00015
0.00015	0.00010	0.00012	0.00015	0.00007	0.00015
0.00015	0.00013	0.00014	0.00015	0.00007	0.00015
0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
0.00015	0.00022	0.00019	0.00014	0.00008	0.00014
0.00015	0.00025	0.00021	0.00014	0.00008	0.00014
0.00015	0.00026	0.00020	0.00014	0.00008	0.00013
0.00014	0.00025	0.00018	0.00013	0.00008	0.00012
0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
0.00011	0.00001	0.00009	0.00010	0.00009	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	9	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00014	0.00012	0.00003	0.00014	0.00011	0.00009	0.00014
9	9	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
9	9	11	0.00012	0.00004	0.00011	0.00012	0.00008	0.00014	0.00013	0.00004	0.00011	0.00012	0.00008	0.00014
9	9	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00013	0.00005	0.00010	0.00012	0.00007	0.00014
9	9	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015	0.00014	0.00007	0.00010	0.00013	0.00007	0.00015
9	9	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00015	0.00015	0.00009	0.00011	0.00013	0.00007	0.00015
9	9	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00015	0.00015	0.00010	0.00012	0.00013	0.00007	0.00015
9	9	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00015	0.00015	0.00013	0.00014	0.00013	0.00007	0.00015
9	9	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00014	0.00016	0.00017	0.00016	0.00013	0.00007	0.00014
9	9	18	0.00013	0.00022	0.00019	0.00013	0.00008	0.00014	0.00015	0.00022	0.00019	0.00013	0.00008	0.00014
9	9	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00014	0.00025	0.00021	0.00013	0.00008	0.00014
9	9	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
9	9	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00014	0.00025	0.00018	0.00013	0.00008	0.00012
9	9	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
9	9	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
9	9	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00013	0.00018	0.00012	0.00010	0.00008	0.00009
9	10	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	10	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	10	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	10	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
9	10	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	10	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
9	10	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00009	0.00001	0.00004	0.00012	0.00009	0.00012
9	10	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
9	10	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00010	0.00003	0.00014	0.00013	0.00009	0.00014
9	10	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
9	10	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00012	0.00004	0.00011	0.00014	0.00008	0.00014
9	10	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00012	0.00005	0.00010	0.00015	0.00007	0.00014
9	10	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00013	0.00007	0.00010	0.00015	0.00007	0.00015
9	10	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00014	0.00009	0.00011	0.00015	0.00007	0.00015
9	10	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00014	0.00010	0.00012	0.00016	0.00007	0.00015
9	10	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00015	0.00013	0.00014	0.00016	0.00007	0.00015
9	10	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014
9	10	18	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014
9	10	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00014	0.00025	0.00021	0.00015	0.00008	0.00014
9	10	20	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013	0.00014	0.00026	0.00020	0.00015	0.00008	0.00013
9	10	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012
9	10	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00013	0.00023	0.00017	0.00012	0.00008	0.00011
9	10	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00012	0.00022	0.00015	0.00011	0.00008	0.00010
9	10	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
9	11	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009
9	11	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	11	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	11	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	11	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
9	11	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
9	11	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00008	0.00001	0.00004	0.00012	0.00009	0.00012
9	11	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00009	0.00001	0.00009	0.00013	0.00009	0.00013
9	11	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00009	0.00003	0.00014	0.00013	0.00009	0.00014
9	11	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00010	0.00003	0.00014	0.00014	0.00008	0.00014
9	11	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00011	0.00004	0.00011	0.00015	0.00008	0.00014
9	11	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00011	0.00005	0.00010	0.00015	0.00007	0.00014
9	11	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00012	0.00007	0.00010	0.00015	0.00007	0.00015
9	11	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00013	0.00009	0.00011	0.00016	0.00007	0.00015
9	11	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00013	0.00010	0.00012	0.00016	0.00007	0.00015
9	11	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00014	0.00013	0.00014	0.00016	0.00007	0.00015
9	11	17	0.00016	0.00017	0.00016	0.00016	0.00007	0.00014	0.00014	0.00017	0.00016	0.00016	0.00007	0.00014
9	11	18	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014	0.00014	0.00022	0.00019	0.00015	0.00008	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	11	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00013	0.00025	0.00021	0.00015	0.00008	0.00014
9	11	20	0.00015	0.00026	0.00020	0.00015	0.00008	0.00013	0.00014	0.00026	0.00020	0.00015	0.00008	0.00013
9	11	21	0.00014	0.00025	0.00018	0.00014	0.00008	0.00012	0.00013	0.00025	0.00018	0.00014	0.00008	0.00012
9	11	22	0.00013	0.00023	0.00017	0.00013	0.00008	0.00011	0.00012	0.00023	0.00017	0.00013	0.00008	0.00011
9	11	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
9	11	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
9	12	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
9	12	2	0.00010	0.00010	0.00006	0.00010	0.00009	0.00009	0.00009	0.00010	0.00006	0.00010	0.00009	0.00009
9	12	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00008	0.00007	0.00005	0.00009	0.00009	0.00009
9	12	4	0.00010	0.00005	0.00003	0.00010	0.00009	0.00009	0.00008	0.00005	0.00003	0.00010	0.00009	0.00009
9	12	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	12	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
9	12	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
9	12	8	0.00013	0.00001	0.00009	0.00013	0.00009	0.00013	0.00011	0.00001	0.00009	0.00013	0.00009	0.00013
9	12	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00012	0.00003	0.00014	0.00013	0.00009	0.00014
9	12	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
9	12	11	0.00015	0.00004	0.00011	0.00015	0.00008	0.00014	0.00012	0.00004	0.00011	0.00015	0.00008	0.00014
9	12	12	0.00015	0.00005	0.00010	0.00015	0.00007	0.00014	0.00013	0.00005	0.00010	0.00015	0.00007	0.00014
9	12	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00013	0.00007	0.00010	0.00015	0.00007	0.00015
9	12	14	0.00016	0.00009	0.00011	0.00016	0.00007	0.00015	0.00013	0.00009	0.00011	0.00016	0.00007	0.00015
9	12	15	0.00016	0.00010	0.00012	0.00016	0.00007	0.00015	0.00013	0.00010	0.00012	0.00016	0.00007	0.00015
9	12	16	0.00016	0.00013	0.00014	0.00016	0.00007	0.00015	0.00013	0.00013	0.00014	0.00016	0.00007	0.00015
9	12	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00013	0.00017	0.00016	0.00015	0.00007	0.00014
9	12	18	0.00015	0.00022	0.00019	0.00015	0.00008	0.00014	0.00013	0.00022	0.00019	0.00015	0.00008	0.00014
9	12	19	0.00015	0.00025	0.00021	0.00015	0.00008	0.00014	0.00013	0.00025	0.00021	0.00015	0.00008	0.00014
9	12	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
9	12	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
9	12	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
9	12	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
9	12	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
9	13	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
9	13	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	13	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	13	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	13	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	13	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
9	13	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
9	13	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
9	13	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00011	0.00003	0.00014	0.00013	0.00009	0.00014
9	13	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00012	0.00003	0.00014	0.00014	0.00008	0.00014
9	13	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00012	0.00004	0.00011	0.00014	0.00008	0.00014
9	13	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00012	0.00005	0.00010	0.00014	0.00007	0.00014
9	13	13	0.00015	0.00007	0.00010	0.00015	0.00007	0.00015	0.00012	0.00007	0.00010	0.00015	0.00007	0.00015
9	13	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00012	0.00009	0.00011	0.00015	0.00007	0.00015
9	13	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00012	0.00010	0.00012	0.00015	0.00007	0.00015
9	13	16	0.00015	0.00013	0.00014	0.00015	0.00007	0.00015	0.00012	0.00013	0.00014	0.00015	0.00007	0.00015
9	13	17	0.00015	0.00017	0.00016	0.00015	0.00007	0.00014	0.00012	0.00017	0.00016	0.00015	0.00007	0.00014
9	13	18	0.00014	0.00022	0.00019	0.00014	0.00008	0.00014	0.00012	0.00022	0.00019	0.00014	0.00008	0.00014
9	13	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00012	0.00025	0.00021	0.00014	0.00008	0.00014
9	13	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00013	0.00026	0.00020	0.00014	0.00008	0.00013
9	13	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
9	13	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
9	13	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00011	0.00022	0.00015	0.00010	0.00008	0.00010
9	13	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
9	14	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
9	14	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	14	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00008	0.00007	0.00005	0.00009	0.00009	0.00009
9	14	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	14	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
9	14	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
9	14	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
9	14	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00010	0.00001	0.00009	0.00012	0.00009	0.00013
9	14	9	0.00013	0.00003	0.00014	0.00013	0.00009	0.00014	0.00011	0.00003	0.00014	0.00013	0.00009	0.00014
9	14	10	0.00014	0.00003	0.00014	0.00014	0.00008	0.00014	0.00011	0.00003	0.00014	0.00014	0.00008	0.00014
9	14	11	0.00014	0.00004	0.00011	0.00014	0.00008	0.00014	0.00012	0.00004	0.00011	0.00014	0.00008	0.00014
9	14	12	0.00014	0.00005	0.00010	0.00014	0.00007	0.00014	0.00012	0.00005	0.00010	0.00014	0.00007	0.00014
9	14	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00012	0.00007	0.00010	0.00014	0.00007	0.00015
9	14	14	0.00015	0.00009	0.00011	0.00015	0.00007	0.00015	0.00012	0.00009	0.00011	0.00015	0.00007	0.00015
9	14	15	0.00015	0.00010	0.00012	0.00015	0.00007	0.00015	0.00013	0.00010	0.00012	0.00015	0.00007	0.00015
9	14	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00015	0.00013	0.00013	0.00014	0.00014	0.00007	0.00015
9	14	17	0.00014	0.00017	0.00016	0.00014	0.00007	0.00014	0.00013	0.00017	0.00016	0.00014	0.00007	0.00014
9	14	18	0.00013	0.00022	0.00019	0.00013	0.00008	0.00014	0.00012	0.00022	0.00019	0.00013	0.00008	0.00014
9	14	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00012	0.00025	0.00021	0.00013	0.00008	0.00014
9	14	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
9	14	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
9	14	22	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011	0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
9	14	23	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010	0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
9	14	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
9	15	1	0.00010	0.00014	0.00009	0.00010	0.00008	0.00009	0.00009	0.00014	0.00009	0.00010	0.00008	0.00009
9	15	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	15	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00008	0.00007	0.00005	0.00009	0.00009	0.00009
9	15	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	15	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
9	15	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
9	15	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012
9	15	8	0.00011	0.00001	0.00009	0.00011	0.00009	0.00013	0.00010	0.00001	0.00009	0.00011	0.00009	0.00013
9	15	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00014	0.00011	0.00003	0.00014	0.00011	0.00009	0.00014
9	15	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00011	0.00003	0.00014	0.00012	0.00008	0.00014
9	15	11	0.00012	0.00004	0.00011	0.00012	0.00008	0.00014	0.00012	0.00004	0.00011	0.00012	0.00008	0.00014
9	15	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014
9	15	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
9	15	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00015	0.00013	0.00009	0.00011	0.00013	0.00007	0.00015
9	15	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00015	0.00013	0.00010	0.00012	0.00013	0.00007	0.00015
9	15	16	0.00013	0.00013	0.00014	0.00013	0.00007	0.00015	0.00013	0.00013	0.00014	0.00013	0.00007	0.00015
9	15	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00014	0.00013	0.00017	0.00016	0.00013	0.00007	0.00014
9	15	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00013	0.00022	0.00019	0.00012	0.00008	0.00014
9	15	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014
9	15	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
9	15	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
9	15	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00012	0.00023	0.00017	0.00011	0.00008	0.00011
9	15	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00011	0.00022	0.00015	0.00010	0.00008	0.00010
9	15	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009
9	16	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
9	16	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	16	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00008	0.00007	0.00005	0.00009	0.00009	0.00009
9	16	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	16	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
9	16	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
9	16	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
9	16	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013
9	16	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00014	0.00011	0.00003	0.00014	0.00010	0.00009	0.00014
9	16	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
9	16	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00012	0.00004	0.00011	0.00011	0.00008	0.00014
9	16	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00013	0.00005	0.00010	0.00011	0.00007	0.00014
9	16	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00015	0.00013	0.00007	0.00010	0.00012	0.00007	0.00015
9	16	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00015	0.00013	0.00009	0.00011	0.00012	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	16	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00015	0.00014	0.00010	0.00012	0.00012	0.00007	0.00015
9	16	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00015	0.00014	0.00013	0.00014	0.00012	0.00007	0.00015
9	16	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00014	0.00014	0.00017	0.00016	0.00012	0.00007	0.00014
9	16	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00014	0.00022	0.00019	0.00012	0.00008	0.00014
9	16	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00014	0.00013	0.00025	0.00021	0.00012	0.00008	0.00014
9	16	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
9	16	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
9	16	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
9	16	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
9	16	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00012	0.00018	0.00012	0.00009	0.00008	0.00009
9	17	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	17	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	17	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	17	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	17	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
9	17	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
9	17	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
9	17	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
9	17	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014	0.00010	0.00003	0.00014	0.00012	0.00009	0.00014
9	17	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
9	17	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00011	0.00004	0.00011	0.00013	0.00008	0.00014
9	17	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
9	17	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00012	0.00007	0.00010	0.00014	0.00007	0.00015
9	17	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00013	0.00009	0.00011	0.00014	0.00007	0.00015
9	17	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00015	0.00013	0.00010	0.00012	0.00014	0.00007	0.00015
9	17	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00015	0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
9	17	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00014	0.00014	0.00017	0.00016	0.00013	0.00007	0.00014
9	17	18	0.00013	0.00022	0.00019	0.00013	0.00008	0.00014	0.00014	0.00022	0.00019	0.00013	0.00008	0.00014
9	17	19	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014	0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
9	17	20	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013	0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
9	17	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
9	17	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
9	17	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
9	17	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00011	0.00018	0.00012	0.00010	0.00008	0.00009
9	18	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	18	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	18	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	18	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
9	18	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00008	0.00003	0.00002	0.00010	0.00009	0.00010
9	18	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00008	0.00002	0.00002	0.00011	0.00009	0.00011
9	18	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00008	0.00001	0.00004	0.00011	0.00009	0.00012
9	18	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
9	18	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014	0.00009	0.00003	0.00014	0.00012	0.00009	0.00014
9	18	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00010	0.00003	0.00014	0.00013	0.00008	0.00014
9	18	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00011	0.00004	0.00011	0.00013	0.00008	0.00014
9	18	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
9	18	13	0.00014	0.00007	0.00010	0.00014	0.00007	0.00015	0.00013	0.00007	0.00010	0.00014	0.00007	0.00015
9	18	14	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015	0.00014	0.00009	0.00011	0.00014	0.00007	0.00015
9	18	15	0.00014	0.00010	0.00012	0.00014	0.00007	0.00015	0.00015	0.00010	0.00012	0.00014	0.00007	0.00015
9	18	16	0.00014	0.00013	0.00014	0.00014	0.00007	0.00015	0.00016	0.00013	0.00014	0.00014	0.00007	0.00015
9	18	17	0.00013	0.00017	0.00016	0.00013	0.00007	0.00014	0.00017	0.00017	0.00016	0.00013	0.00007	0.00014
9	18	18	0.00013	0.00022	0.00019	0.00013	0.00008	0.00014	0.00017	0.00022	0.00019	0.00013	0.00008	0.00014
9	18	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00016	0.00025	0.00021	0.00013	0.00008	0.00014
9	18	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00016	0.00026	0.00020	0.00013	0.00008	0.00013
9	18	21	0.00013	0.00025	0.00018	0.00013	0.00008	0.00012	0.00015	0.00025	0.00018	0.00013	0.00008	0.00012
9	18	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00014	0.00023	0.00017	0.00011	0.00008	0.00011
9	18	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
9	18	24	0.00010	0.00018	0.00012	0.00010	0.00008	0.00009	0.00012	0.00018	0.00012	0.00010	0.00008	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	19	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	19	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
9	19	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	19	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
9	19	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	19	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00009	0.00002	0.00002	0.00011	0.00009	0.00011
9	19	7	0.00012	0.00001	0.00004	0.00012	0.00009	0.00012	0.00010	0.00001	0.00004	0.00012	0.00009	0.00012
9	19	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
9	19	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
9	19	10	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014	0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
9	19	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00014	0.00004	0.00011	0.00013	0.00008	0.00014
9	19	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00014	0.00005	0.00010	0.00013	0.00007	0.00014
9	19	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015	0.00015	0.00007	0.00010	0.00013	0.00007	0.00015
9	19	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00015	0.00016	0.00009	0.00011	0.00013	0.00007	0.00015
9	19	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00015	0.00016	0.00010	0.00012	0.00012	0.00007	0.00015
9	19	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00015	0.00016	0.00013	0.00014	0.00012	0.00007	0.00015
9	19	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00014	0.00016	0.00017	0.00016	0.00012	0.00007	0.00014
9	19	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00015	0.00022	0.00019	0.00012	0.00008	0.00014
9	19	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00015	0.00025	0.00021	0.00013	0.00008	0.00014
9	19	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00016	0.00026	0.00020	0.00013	0.00008	0.00013
9	19	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00015	0.00025	0.00018	0.00012	0.00008	0.00012
9	19	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00014	0.00023	0.00017	0.00011	0.00008	0.00011
9	19	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00013	0.00022	0.00015	0.00010	0.00008	0.00010
9	19	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00014	0.00018	0.00012	0.00009	0.00008	0.00009
9	20	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	20	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00010	0.00010	0.00006	0.00009	0.00009	0.00009
9	20	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	20	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
9	20	5	0.00010	0.00003	0.00002	0.00010	0.00009	0.00010	0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
9	20	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
9	20	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
9	20	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
9	20	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
9	20	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00013	0.00003	0.00014	0.00012	0.00008	0.00014
9	20	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00015	0.00004	0.00011	0.00013	0.00008	0.00014
9	20	12	0.00012	0.00005	0.00010	0.00012	0.00007	0.00014	0.00016	0.00005	0.00010	0.00012	0.00007	0.00014
9	20	13	0.00012	0.00007	0.00010	0.00012	0.00007	0.00015	0.00016	0.00007	0.00010	0.00012	0.00007	0.00015
9	20	14	0.00012	0.00009	0.00011	0.00012	0.00007	0.00015	0.00017	0.00009	0.00011	0.00012	0.00007	0.00015
9	20	15	0.00012	0.00010	0.00012	0.00012	0.00007	0.00015	0.00017	0.00010	0.00012	0.00012	0.00007	0.00015
9	20	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00015	0.00017	0.00013	0.00014	0.00012	0.00007	0.00015
9	20	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00014	0.00017	0.00017	0.00016	0.00012	0.00007	0.00014
9	20	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00017	0.00022	0.00019	0.00012	0.00008	0.00014
9	20	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00016	0.00025	0.00021	0.00013	0.00008	0.00014
9	20	20	0.00013	0.00026	0.00020	0.00013	0.00008	0.00013	0.00017	0.00026	0.00020	0.00013	0.00008	0.00013
9	20	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00016	0.00025	0.00018	0.00012	0.00008	0.00012
9	20	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00015	0.00023	0.00017	0.00011	0.00008	0.00011
9	20	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00014	0.00022	0.00015	0.00010	0.00008	0.00010
9	20	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00015	0.00018	0.00012	0.00009	0.00008	0.00009
9	21	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
9	21	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00010	0.00010	0.00006	0.00009	0.00009	0.00009
9	21	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00010	0.00007	0.00005	0.00009	0.00009	0.00009
9	21	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00010	0.00005	0.00003	0.00009	0.00009	0.00009
9	21	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00010	0.00003	0.00002	0.00009	0.00009	0.00010
9	21	6	0.00011	0.00002	0.00002	0.00011	0.00009	0.00011	0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
9	21	7	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012	0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
9	21	8	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013	0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
9	21	9	0.00012	0.00003	0.00014	0.00012	0.00009	0.00014	0.00013	0.00003	0.00014	0.00012	0.00009	0.00014
9	21	10	0.00012	0.00003	0.00014	0.00012	0.00008	0.00014	0.00014	0.00003	0.00014	0.00012	0.00008	0.00014

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	21	11	0.00013	0.00004	0.00011	0.00013	0.00008	0.00014	0.00015	0.00004	0.00011	0.00013	0.00008	0.00014
9	21	12	0.00013	0.00005	0.00010	0.00013	0.00007	0.00014	0.00016	0.00005	0.00010	0.00013	0.00007	0.00014
9	21	13	0.00013	0.00007	0.00010	0.00013	0.00007	0.00015	0.00016	0.00007	0.00010	0.00013	0.00007	0.00015
9	21	14	0.00013	0.00009	0.00011	0.00013	0.00007	0.00015	0.00017	0.00009	0.00011	0.00013	0.00007	0.00015
9	21	15	0.00013	0.00010	0.00012	0.00013	0.00007	0.00015	0.00017	0.00010	0.00012	0.00013	0.00007	0.00015
9	21	16	0.00012	0.00013	0.00014	0.00012	0.00007	0.00015	0.00018	0.00013	0.00014	0.00012	0.00007	0.00015
9	21	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00014	0.00018	0.00017	0.00016	0.00012	0.00007	0.00014
9	21	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00017	0.00022	0.00019	0.00012	0.00008	0.00014
9	21	19	0.00013	0.00025	0.00021	0.00013	0.00008	0.00014	0.00016	0.00025	0.00021	0.00013	0.00008	0.00014
9	21	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00016	0.00026	0.00020	0.00012	0.00008	0.00013
9	21	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00015	0.00025	0.00018	0.00012	0.00008	0.00012
9	21	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00014	0.00023	0.00017	0.00011	0.00008	0.00011
9	21	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00013	0.00022	0.00015	0.00010	0.00008	0.00010
9	21	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00014	0.00018	0.00012	0.00009	0.00008	0.00009
9	22	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
9	22	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00010	0.00010	0.00006	0.00009	0.00009	0.00009
9	22	3	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009	0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
9	22	4	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009	0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
9	22	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
9	22	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
9	22	7	0.00010	0.00001	0.00004	0.00010	0.00009	0.00012	0.00011	0.00001	0.00004	0.00010	0.00009	0.00012
9	22	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00011	0.00001	0.00009	0.00010	0.00009	0.00013
9	22	9	0.00011	0.00003	0.00014	0.00011	0.00009	0.00014	0.00012	0.00003	0.00014	0.00011	0.00009	0.00014
9	22	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00012	0.00003	0.00014	0.00011	0.00008	0.00014
9	22	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00013	0.00004	0.00011	0.00011	0.00008	0.00014
9	22	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00013	0.00005	0.00010	0.00011	0.00007	0.00014
9	22	13	0.00011	0.00007	0.00010	0.00011	0.00007	0.00015	0.00014	0.00007	0.00010	0.00011	0.00007	0.00015
9	22	14	0.00011	0.00009	0.00011	0.00011	0.00007	0.00015	0.00014	0.00009	0.00011	0.00011	0.00007	0.00015
9	22	15	0.00010	0.00010	0.00012	0.00010	0.00007	0.00015	0.00014	0.00010	0.00012	0.00010	0.00007	0.00015
9	22	16	0.00010	0.00013	0.00014	0.00010	0.00007	0.00015	0.00014	0.00013	0.00014	0.00010	0.00007	0.00015
9	22	17	0.00010	0.00017	0.00016	0.00010	0.00007	0.00014	0.00014	0.00017	0.00016	0.00010	0.00007	0.00014
9	22	18	0.00011	0.00022	0.00019	0.00011	0.00008	0.00014	0.00014	0.00022	0.00019	0.00011	0.00008	0.00014
9	22	19	0.00011	0.00025	0.00021	0.00011	0.00008	0.00014	0.00014	0.00025	0.00021	0.00011	0.00008	0.00014
9	22	20	0.00011	0.00026	0.00020	0.00011	0.00008	0.00013	0.00014	0.00026	0.00020	0.00011	0.00008	0.00013
9	22	21	0.00011	0.00025	0.00018	0.00011	0.00008	0.00012	0.00014	0.00025	0.00018	0.00011	0.00008	0.00012
9	22	22	0.00010	0.00023	0.00017	0.00010	0.00008	0.00011	0.00013	0.00023	0.00017	0.00010	0.00008	0.00011
9	22	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00011	0.00022	0.00015	0.00010	0.00008	0.00010
9	22	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00012	0.00018	0.00012	0.00009	0.00008	0.00009
9	23	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
9	23	2	0.00008	0.00010	0.00006	0.00008	0.00009	0.00009	0.00009	0.00010	0.00006	0.00008	0.00009	0.00009
9	23	3	0.00008	0.00007	0.00005	0.00008	0.00009	0.00009	0.00008	0.00007	0.00005	0.00008	0.00009	0.00009
9	23	4	0.00008	0.00005	0.00003	0.00008	0.00009	0.00009	0.00008	0.00005	0.00003	0.00008	0.00009	0.00009
9	23	5	0.00008	0.00003	0.00002	0.00008	0.00009	0.00010	0.00008	0.00003	0.00002	0.00008	0.00009	0.00010
9	23	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011
9	23	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00010	0.00001	0.00004	0.00009	0.00009	0.00012
9	23	8	0.00009	0.00001	0.00009	0.00009	0.00009	0.00013	0.00011	0.00001	0.00009	0.00009	0.00009	0.00013
9	23	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00014	0.00011	0.00003	0.00014	0.00010	0.00009	0.00014
9	23	10	0.00010	0.00003	0.00014	0.00010	0.00008	0.00014	0.00012	0.00003	0.00014	0.00010	0.00008	0.00014
9	23	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00012	0.00004	0.00011	0.00011	0.00008	0.00014
9	23	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00013	0.00005	0.00010	0.00011	0.00007	0.00014
9	23	13	0.00011	0.00007	0.00010	0.00011	0.00007	0.00015	0.00013	0.00007	0.00010	0.00011	0.00007	0.00015
9	23	14	0.00011	0.00009	0.00011	0.00011	0.00007	0.00015	0.00013	0.00009	0.00011	0.00011	0.00007	0.00015
9	23	15	0.00011	0.00010	0.00012	0.00011	0.00007	0.00015	0.00013	0.00010	0.00012	0.00011	0.00007	0.00015
9	23	16	0.00011	0.00013	0.00014	0.00011	0.00007	0.00015	0.00014	0.00013	0.00014	0.00011	0.00007	0.00015
9	23	17	0.00011	0.00017	0.00016	0.00011	0.00007	0.00014	0.00014	0.00017	0.00016	0.00011	0.00007	0.00014
9	23	18	0.00011	0.00022	0.00019	0.00011	0.00008	0.00014	0.00013	0.00022	0.00019	0.00011	0.00008	0.00014
9	23	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00014	0.00013	0.00025	0.00021	0.00012	0.00008	0.00014
9	23	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00014	0.00026	0.00020	0.00012	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
9	23	21
9	23	22
9	23	23
9	23	24
9	24	1
9	24	2
9	24	3
9	24	4
9	24	5
9	24	6
9	24	7
9	24	8
9	24	9
9	24	10
9	24	11
9	24	12
9	24	13
9	24	14
9	24	15
9	24	16
9	24	17
9	24	18
9	24	19
9	24	20
9	24	21
9	24	22
9	24	23
9	24	24
9	25	1
9	25	2
9	25	3
9	25	4
9	25	5
9	25	6
9	25	7
9	25	8
9	25	9
9	25	10
9	25	11
9	25	12
9	25	13
9	25	14
9	25	15
9	25	16
9	25	17
9	25	18
9	25	19
9	25	20
9	25	21
9	25	22
9	25	23
9	25	24
9	26	1
9	26	2
9	26	3
9	26	4
9	26	5
9	26	6

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00025	0.00018	0.00011	0.00008	0.00012
0.00010	0.00023	0.00017	0.00010	0.00008	0.00011
0.00009	0.00022	0.00015	0.00009	0.00008	0.00010
0.00009	0.00018	0.00012	0.00009	0.00008	0.00009
0.00008	0.00014	0.00009	0.00008	0.00008	0.00009
0.00008	0.00010	0.00006	0.00008	0.00009	0.00009
0.00008	0.00007	0.00005	0.00008	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00009	0.00009	0.00010
0.00010	0.00002	0.00002	0.00010	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00008	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
0.00013	0.00009	0.00011	0.00013	0.00007	0.00015
0.00013	0.00010	0.00012	0.00013	0.00007	0.00015
0.00013	0.00013	0.00014	0.00013	0.00007	0.00015
0.00013	0.00017	0.00016	0.00013	0.00007	0.00014
0.00013	0.00022	0.00019	0.00013	0.00008	0.00014
0.00013	0.00025	0.00021	0.00013	0.00008	0.00014
0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
0.00012	0.00025	0.00018	0.00012	0.00008	0.00012
0.00011	0.00023	0.00017	0.00011	0.00008	0.00011
0.00010	0.00022	0.00015	0.00010	0.00008	0.00010
0.00009	0.00018	0.00012	0.00009	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00010
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00008	0.00014
0.00013	0.00005	0.00010	0.00013	0.00007	0.00014
0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00007	0.00015
0.00014	0.00010	0.00012	0.00014	0.00007	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00013	0.00017	0.00016	0.00013	0.00007	0.00014
0.00013	0.00022	0.00019	0.00013	0.00008	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00011	0.00023	0.00017	0.00011	0.00008	0.00011
0.00010	0.00022	0.00015	0.00010	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00025	0.00018	0.00011	0.00008	0.00012
0.00013	0.00023	0.00017	0.00010	0.00008	0.00011
0.00011	0.00022	0.00015	0.00009	0.00008	0.00010
0.00012	0.00018	0.00012	0.00009	0.00008	0.00009
0.00010	0.00014	0.00009	0.00008	0.00008	0.00009
0.00009	0.00010	0.00006	0.00008	0.00009	0.00009
0.00009	0.00007	0.00005	0.00008	0.00009	0.00009
0.00008	0.00005	0.00003	0.00009	0.00009	0.00009
0.00008	0.00003	0.00002	0.00009	0.00009	0.00010
0.00008	0.00002	0.00002	0.00010	0.00009	0.00011
0.00009	0.00001	0.00004	0.00011	0.00009	0.00012
0.00009	0.00001	0.00009	0.00012	0.00009	0.00013
0.00010	0.00003	0.00014	0.00012	0.00009	0.00014
0.00011	0.00003	0.00014	0.00013	0.00008	0.00014
0.00011	0.00004	0.00011	0.00013	0.00008	0.00014
0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
0.00013	0.00007	0.00010	0.00013	0.00007	0.00015
0.00013	0.00009	0.00011	0.00013	0.00007	0.00015
0.00014	0.00010	0.00012	0.00013	0.00007	0.00015
0.00014	0.00013	0.00014	0.00013	0.00007	0.00015
0.00015	0.00017	0.00016	0.00013	0.00007	0.00014
0.00015	0.00022	0.00019	0.00013	0.00008	0.00014
0.00014	0.00025	0.00021	0.00013	0.00008	0.00014
0.00014	0.00026	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00012	0.00008	0.00012
0.00013	0.00023	0.00017	0.00011	0.00008	0.00011
0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
0.00012	0.00018	0.00012	0.00009	0.00008	0.00009
0.00010	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00009	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00010	0.00001	0.00004	0.00011	0.00009	0.00012
0.00011	0.00001	0.00009	0.00012	0.00009	0.00013
0.00011	0.00003	0.00014	0.00012	0.00009	0.00014
0.00012	0.00003	0.00014	0.00013	0.00008	0.00014
0.00012	0.00004	0.00011	0.00013	0.00008	0.00014
0.00012	0.00005	0.00010	0.00013	0.00007	0.00014
0.00013	0.00007	0.00010	0.00014	0.00007	0.00015
0.00013	0.00009	0.00011	0.00014	0.00007	0.00015
0.00014	0.00010	0.00012	0.00014	0.00007	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00013	0.00017	0.00016	0.00013	0.00007	0.00014
0.00013	0.00022	0.00019	0.00013	0.00008	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00011	0.00023	0.00017	0.00011	0.00008	0.00011
0.00010	0.00022	0.00015	0.00010	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
9	26	7
9	26	8
9	26	9
9	26	10
9	26	11
9	26	12
9	26	13
9	26	14
9	26	15
9	26	16
9	26	17
9	26	18
9	26	19
9	26	20
9	26	21
9	26	22
9	26	23
9	26	24
9	27	1
9	27	2
9	27	3
9	27	4
9	27	5
9	27	6
9	27	7
9	27	8
9	27	9
9	27	10
9	27	11
9	27	12
9	27	13
9	27	14
9	27	15
9	27	16
9	27	17
9	27	18
9	27	19
9	27	20
9	27	21
9	27	22
9	27	23
9	27	24
9	28	1
9	28	2
9	28	3
9	28	4
9	28	5
9	28	6
9	28	7
9	28	8
9	28	9
9	28	10
9	28	11
9	28	12
9	28	13
9	28	14
9	28	15
9	28	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00007	0.00015
0.00014	0.00010	0.00012	0.00014	0.00007	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00014	0.00017	0.00016	0.00014	0.00007	0.00014
0.00014	0.00022	0.00019	0.00014	0.00008	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00014	0.00026	0.00020	0.00014	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00012	0.00023	0.00017	0.00012	0.00008	0.00011
0.00011	0.00022	0.00015	0.00011	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00014	0.00004	0.00011	0.00014	0.00008	0.00014
0.00014	0.00005	0.00010	0.00014	0.00007	0.00014
0.00014	0.00007	0.00010	0.00014	0.00007	0.00015
0.00014	0.00009	0.00011	0.00014	0.00007	0.00015
0.00014	0.00010	0.00012	0.00014	0.00007	0.00015
0.00014	0.00013	0.00014	0.00014	0.00007	0.00015
0.00013	0.00017	0.00016	0.00013	0.00007	0.00014
0.00013	0.00022	0.00019	0.00013	0.00008	0.00014
0.00014	0.00025	0.00021	0.00014	0.00008	0.00014
0.00013	0.00026	0.00020	0.00013	0.00008	0.00013
0.00013	0.00025	0.00018	0.00013	0.00008	0.00012
0.00011	0.00023	0.00017	0.00011	0.00008	0.00011
0.00010	0.00022	0.00015	0.00010	0.00008	0.00010
0.00010	0.00018	0.00012	0.00010	0.00008	0.00009
0.00009	0.00014	0.00009	0.00009	0.00008	0.00009
0.00009	0.00010	0.00006	0.00009	0.00009	0.00009
0.00009	0.00007	0.00005	0.00009	0.00009	0.00009
0.00009	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00011	0.00002	0.00002	0.00011	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00012	0.00003	0.00014	0.00012	0.00009	0.00014
0.00013	0.00003	0.00014	0.00013	0.00008	0.00014
0.00013	0.00004	0.00011	0.00013	0.00008	0.00014
0.00012	0.00005	0.00010	0.00012	0.00007	0.00014
0.00012	0.00007	0.00010	0.00012	0.00007	0.00015
0.00012	0.00009	0.00011	0.00012	0.00007	0.00015
0.00012	0.00010	0.00012	0.00012	0.00007	0.00015
0.00012	0.00013	0.00014	0.00012	0.00007	0.00015

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00014
0.00014	0.00003	0.00014	0.00013	0.00008	0.00014
0.00015	0.00004	0.00011	0.00014	0.00008	0.00014
0.00017	0.00005	0.00010	0.00014	0.00007	0.00014
0.00018	0.00007	0.00010	0.00014	0.00007	0.00015
0.00020	0.00009	0.00011	0.00014	0.00007	0.00015
0.00021	0.00010	0.00012	0.00014	0.00007	0.00015
0.00022	0.00013	0.00014	0.00014	0.00007	0.00015
0.00022	0.00017	0.00016	0.00014	0.00007	0.00014
0.00021	0.00022	0.00019	0.00014	0.00008	0.00014
0.00021	0.00025	0.00021	0.00014	0.00008	0.00014
0.00020	0.00026	0.00020	0.00014	0.00008	0.00013
0.00019	0.00025	0.00018	0.00013	0.00008	0.00012
0.00017	0.00023	0.00017	0.00012	0.00008	0.00011
0.00015	0.00022	0.00015	0.00011	0.00008	0.00010
0.00017	0.00018	0.00012	0.00010	0.00008	0.00009
0.00012	0.00014	0.00009	0.00009	0.00008	0.00009
0.00011	0.00010	0.00006	0.00009	0.00009	0.00009
0.00010	0.00007	0.00005	0.00009	0.00009	0.00009
0.00010	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00013	0.00009	0.00014
0.00014	0.00003	0.00014	0.00013	0.00008	0.00014
0.00016	0.00004	0.00011	0.00014	0.00008	0.00014
0.00017	0.00005	0.00010	0.00014	0.00007	0.00014
0.00018	0.00007	0.00010	0.00014	0.00007	0.00015
0.00019	0.00009	0.00011	0.00014	0.00007	0.00015
0.00020	0.00010	0.00012	0.00014	0.00007	0.00015
0.00020	0.00013	0.00014	0.00014	0.00007	0.00015
0.00020	0.00017	0.00016	0.00013	0.00007	0.00014
0.00019	0.00022	0.00019	0.00013	0.00008	0.00014
0.00018	0.00025	0.00021	0.00014	0.00008	0.00014
0.00018	0.00026	0.00020	0.00013	0.00008	0.00013
0.00017	0.00025	0.00018	0.00013	0.00008	0.00012
0.00016	0.00023	0.00017	0.00011	0.00008	0.00011
0.00014	0.00022	0.00015	0.00010	0.00008	0.00010
0.00016	0.00018	0.00012	0.00010	0.00008	0.00009
0.00012	0.00014	0.00009	0.00009	0.00008	0.00009
0.00011	0.00010	0.00006	0.00009	0.00009	0.00009
0.00010	0.00007	0.00005	0.00009	0.00009	0.00009
0.00010	0.00005	0.00003	0.00009	0.00009	0.00009
0.00010	0.00003	0.00002	0.00010	0.00009	0.00010
0.00010	0.00002	0.00002	0.00011	0.00009	0.00011
0.00011	0.00001	0.00004	0.00011	0.00009	0.00012
0.00012	0.00001	0.00009	0.00012	0.00009	0.00013
0.00013	0.00003	0.00014	0.00012	0.00009	0.00014
0.00014	0.00003	0.00014	0.00013	0.00008	0.00014
0.00015	0.00004	0.00011	0.00013	0.00008	0.00014
0.00016	0.00005	0.00010	0.00012	0.00007	0.00014
0.00017	0.00007	0.00010	0.00012	0.00007	0.00015
0.00018	0.00009	0.00011	0.00012	0.00007	0.00015
0.00019	0.00010	0.00012	0.00012	0.00007	0.00015
0.00019	0.00013	0.00014	0.00012	0.00007	0.00015

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
9	28	17	0.00012	0.00017	0.00016	0.00012	0.00007	0.00014	0.00019	0.00017	0.00016	0.00012	0.00007	0.00014
9	28	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00019	0.00022	0.00019	0.00012	0.00008	0.00014
9	28	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00014	0.00018	0.00025	0.00021	0.00012	0.00008	0.00014
9	28	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00018	0.00026	0.00020	0.00012	0.00008	0.00013
9	28	21	0.00012	0.00025	0.00018	0.00012	0.00008	0.00012	0.00017	0.00025	0.00018	0.00012	0.00008	0.00012
9	28	22	0.00011	0.00023	0.00017	0.00011	0.00008	0.00011	0.00016	0.00023	0.00017	0.00011	0.00008	0.00011
9	28	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00014	0.00022	0.00015	0.00010	0.00008	0.00010
9	28	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00015	0.00018	0.00012	0.00009	0.00008	0.00009
9	29	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
9	29	2	0.00009	0.00010	0.00006	0.00009	0.00009	0.00009	0.00011	0.00010	0.00006	0.00009	0.00009	0.00009
9	29	3	0.00008	0.00007	0.00005	0.00008	0.00009	0.00009	0.00010	0.00007	0.00005	0.00008	0.00009	0.00009
9	29	4	0.00008	0.00005	0.00003	0.00008	0.00009	0.00009	0.00010	0.00005	0.00003	0.00008	0.00009	0.00009
9	29	5	0.00009	0.00003	0.00002	0.00009	0.00009	0.00010	0.00010	0.00003	0.00002	0.00009	0.00009	0.00010
9	29	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
9	29	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00011	0.00001	0.00004	0.00009	0.00009	0.00012
9	29	8	0.00010	0.00001	0.00009	0.00010	0.00009	0.00013	0.00012	0.00001	0.00009	0.00010	0.00009	0.00013
9	29	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00014	0.00013	0.00003	0.00014	0.00010	0.00009	0.00014
9	29	10	0.00011	0.00003	0.00014	0.00011	0.00008	0.00014	0.00014	0.00003	0.00014	0.00011	0.00008	0.00014
9	29	11	0.00011	0.00004	0.00011	0.00011	0.00008	0.00014	0.00015	0.00004	0.00011	0.00011	0.00008	0.00014
9	29	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00016	0.00005	0.00010	0.00011	0.00007	0.00014
9	29	13	0.00011	0.00007	0.00010	0.00011	0.00007	0.00015	0.00017	0.00007	0.00010	0.00011	0.00007	0.00015
9	29	14	0.00011	0.00009	0.00011	0.00011	0.00007	0.00015	0.00018	0.00009	0.00011	0.00011	0.00007	0.00015
9	29	15	0.00011	0.00010	0.00012	0.00011	0.00007	0.00015	0.00019	0.00010	0.00012	0.00011	0.00007	0.00015
9	29	16	0.00011	0.00013	0.00014	0.00011	0.00007	0.00015	0.00019	0.00013	0.00014	0.00011	0.00007	0.00015
9	29	17	0.00011	0.00017	0.00016	0.00011	0.00007	0.00014	0.00019	0.00017	0.00016	0.00011	0.00007	0.00014
9	29	18	0.00011	0.00022	0.00019	0.00011	0.00008	0.00014	0.00019	0.00022	0.00019	0.00011	0.00008	0.00014
9	29	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00014	0.00018	0.00025	0.00021	0.00012	0.00008	0.00014
9	29	20	0.00011	0.00026	0.00020	0.00011	0.00008	0.00013	0.00018	0.00026	0.00020	0.00011	0.00008	0.00013
9	29	21	0.00011	0.00025	0.00018	0.00011	0.00008	0.00012	0.00017	0.00025	0.00018	0.00011	0.00008	0.00012
9	29	22	0.00010	0.00023	0.00017	0.00010	0.00008	0.00011	0.00015	0.00023	0.00017	0.00010	0.00008	0.00011
9	29	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00014	0.00022	0.00015	0.00010	0.00008	0.00010
9	29	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00015	0.00018	0.00012	0.00009	0.00008	0.00009
9	30	1	0.00009	0.00014	0.00009	0.00009	0.00008	0.00009	0.00011	0.00014	0.00009	0.00009	0.00008	0.00009
9	30	2	0.00008	0.00010	0.00006	0.00008	0.00009	0.00009	0.00010	0.00010	0.00006	0.00008	0.00009	0.00009
9	30	3	0.00008	0.00007	0.00005	0.00008	0.00009	0.00009	0.00009	0.00007	0.00005	0.00008	0.00009	0.00009
9	30	4	0.00008	0.00005	0.00003	0.00008	0.00009	0.00009	0.00009	0.00005	0.00003	0.00008	0.00009	0.00009
9	30	5	0.00008	0.00003	0.00002	0.00008	0.00009	0.00010	0.00009	0.00003	0.00002	0.00008	0.00009	0.00010
9	30	6	0.00009	0.00002	0.00002	0.00009	0.00009	0.00011	0.00010	0.00002	0.00002	0.00009	0.00009	0.00011
9	30	7	0.00009	0.00001	0.00004	0.00009	0.00009	0.00012	0.00011	0.00001	0.00004	0.00009	0.00009	0.00012
9	30	8	0.00009	0.00001	0.00009	0.00009	0.00009	0.00013	0.00011	0.00001	0.00009	0.00009	0.00009	0.00013
9	30	9	0.00010	0.00003	0.00014	0.00010	0.00009	0.00014	0.00012	0.00003	0.00014	0.00010	0.00009	0.00014
9	30	10	0.00010	0.00003	0.00014	0.00010	0.00008	0.00014	0.00013	0.00003	0.00014	0.00010	0.00008	0.00014
9	30	11	0.00010	0.00004	0.00011	0.00010	0.00008	0.00014	0.00014	0.00004	0.00011	0.00010	0.00008	0.00014
9	30	12	0.00011	0.00005	0.00010	0.00011	0.00007	0.00014	0.00015	0.00005	0.00010	0.00011	0.00007	0.00014
9	30	13	0.00011	0.00007	0.00010	0.00011	0.00007	0.00015	0.00015	0.00007	0.00010	0.00011	0.00007	0.00015
9	30	14	0.00011	0.00009	0.00011	0.00011	0.00007	0.00015	0.00016	0.00009	0.00011	0.00011	0.00007	0.00015
9	30	15	0.00011	0.00010	0.00012	0.00011	0.00007	0.00015	0.00017	0.00010	0.00012	0.00011	0.00007	0.00015
9	30	16	0.00011	0.00013	0.00014	0.00011	0.00007	0.00015	0.00017	0.00013	0.00014	0.00011	0.00007	0.00015
9	30	17	0.00011	0.00017	0.00016	0.00011	0.00007	0.00014	0.00017	0.00017	0.00016	0.00011	0.00007	0.00014
9	30	18	0.00012	0.00022	0.00019	0.00012	0.00008	0.00014	0.00016	0.00022	0.00019	0.00012	0.00008	0.00014
9	30	19	0.00012	0.00025	0.00021	0.00012	0.00008	0.00014	0.00016	0.00025	0.00021	0.00012	0.00008	0.00014
9	30	20	0.00012	0.00026	0.00020	0.00012	0.00008	0.00013	0.00015	0.00026	0.00020	0.00012	0.00008	0.00013
9	30	21	0.00011	0.00025	0.00018	0.00011	0.00008	0.00012	0.00015	0.00025	0.00018	0.00011	0.00008	0.00012
9	30	22	0.00010	0.00023	0.00017	0.00010	0.00008	0.00011	0.00014	0.00023	0.00017	0.00010	0.00008	0.00011
9	30	23	0.00010	0.00022	0.00015	0.00010	0.00008	0.00010	0.00012	0.00022	0.00015	0.00010	0.00008	0.00010
9	30	24	0.00009	0.00018	0.00012	0.00009	0.00008	0.00009	0.00014	0.00018	0.00012	0.00009	0.00008	0.00009
10	1	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00011	0.00014	0.00009	0.00009	0.00010	0.00009
10	1	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00010	0.00010	0.00007	0.00008	0.00010	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	1	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00009	0.00007	0.00005	0.00008	0.00010	0.00009
10	1	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
10	1	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
10	1	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	1	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00009	0.00001	0.00004	0.00011	0.00013	0.00012
10	1	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00010	0.00002	0.00008	0.00011	0.00013	0.00012
10	1	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
10	1	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
10	1	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
10	1	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013
10	1	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
10	1	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013	0.00014	0.00009	0.00011	0.00013	0.00008	0.00013
10	1	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00013	0.00015	0.00010	0.00012	0.00013	0.00008	0.00013
10	1	16	0.00013	0.00014	0.00014	0.00013	0.00008	0.00013	0.00015	0.00014	0.00014	0.00013	0.00008	0.00013
10	1	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00013	0.00015	0.00017	0.00016	0.00013	0.00008	0.00013
10	1	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013	0.00015	0.00021	0.00019	0.00013	0.00009	0.00013
10	1	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00014	0.00024	0.00020	0.00013	0.00009	0.00013
10	1	20	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012	0.00014	0.00025	0.00020	0.00013	0.00009	0.00012
10	1	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
10	1	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00013	0.00023	0.00017	0.00011	0.00009	0.00010
10	1	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00012	0.00022	0.00015	0.00010	0.00009	0.00009
10	1	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
10	2	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00010	0.00014	0.00009	0.00009	0.00010	0.00009
10	2	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
10	2	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009
10	2	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	2	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	2	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
10	2	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00008	0.00001	0.00004	0.00011	0.00013	0.00012
10	2	8	0.00012	0.00002	0.00008	0.00012	0.00013	0.00012	0.00009	0.00002	0.00008	0.00012	0.00013	0.00012
10	2	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
10	2	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00010	0.00003	0.00013	0.00013	0.00010	0.00013
10	2	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
10	2	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013	0.00011	0.00005	0.00010	0.00013	0.00008	0.00013
10	2	13	0.00014	0.00007	0.00010	0.00014	0.00008	0.00013	0.00011	0.00007	0.00010	0.00014	0.00008	0.00013
10	2	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00013	0.00011	0.00009	0.00011	0.00014	0.00008	0.00013
10	2	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00013	0.00012	0.00010	0.00012	0.00014	0.00008	0.00013
10	2	16	0.00014	0.00014	0.00014	0.00014	0.00008	0.00013	0.00012	0.00014	0.00014	0.00014	0.00008	0.00013
10	2	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00013	0.00012	0.00017	0.00016	0.00013	0.00008	0.00013
10	2	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013	0.00012	0.00021	0.00019	0.00013	0.00009	0.00013
10	2	19	0.00014	0.00024	0.00020	0.00014	0.00009	0.00013	0.00012	0.00024	0.00020	0.00014	0.00009	0.00013
10	2	20	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
10	2	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	2	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
10	2	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	2	24	0.00010	0.00018	0.00012	0.00010	0.00010	0.00009	0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
10	3	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	3	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
10	3	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009	0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
10	3	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	3	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	3	6	0.00011	0.00002	0.00002	0.00011	0.00012	0.00011	0.00009	0.00002	0.00002	0.00011	0.00012	0.00011
10	3	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	3	8	0.00012	0.00002	0.00008	0.00012	0.00013	0.00012	0.00010	0.00002	0.00008	0.00012	0.00013	0.00012
10	3	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	3	10	0.00013	0.00003	0.00013	0.00013	0.00010	0.00013	0.00011	0.00003	0.00013	0.00013	0.00010	0.00013
10	3	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
10	3	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013	0.00012	0.00005	0.00010	0.00013	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	3	13	0.00014	0.00007	0.00010	0.00014	0.00008	0.00013	0.00012	0.00007	0.00010	0.00014	0.00008	0.00013
10	3	14	0.00014	0.00009	0.00011	0.00014	0.00008	0.00013	0.00012	0.00009	0.00011	0.00014	0.00008	0.00013
10	3	15	0.00014	0.00010	0.00012	0.00014	0.00008	0.00013	0.00013	0.00010	0.00012	0.00014	0.00008	0.00013
10	3	16	0.00014	0.00014	0.00014	0.00014	0.00008	0.00013	0.00013	0.00014	0.00014	0.00014	0.00008	0.00013
10	3	17	0.00013	0.00017	0.00016	0.00013	0.00008	0.00013	0.00013	0.00017	0.00016	0.00013	0.00008	0.00013
10	3	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013
10	3	19	0.00014	0.00024	0.00020	0.00014	0.00009	0.00013	0.00013	0.00024	0.00020	0.00014	0.00009	0.00013
10	3	20	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
10	3	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
10	3	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
10	3	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	3	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	4	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	4	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
10	4	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009	0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
10	4	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	4	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	4	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	4	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	4	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00010	0.00002	0.00008	0.00011	0.00013	0.00012
10	4	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	4	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
10	4	11	0.00013	0.00004	0.00011	0.00013	0.00009	0.00013	0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
10	4	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013	0.00012	0.00005	0.00010	0.00013	0.00008	0.00013
10	4	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
10	4	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
10	4	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00013	0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
10	4	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00013	0.00014	0.00014	0.00012	0.00008	0.00013
10	4	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00013	0.00017	0.00016	0.00012	0.00008	0.00013
10	4	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00013	0.00021	0.00019	0.00012	0.00009	0.00013
10	4	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
10	4	20	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
10	4	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
10	4	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
10	4	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	4	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	5	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	5	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
10	5	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009	0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
10	5	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	5	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	5	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	5	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	5	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
10	5	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	5	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
10	5	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
10	5	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
10	5	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
10	5	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00013	0.00009	0.00011	0.00012	0.00008	0.00013
10	5	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00013	0.00010	0.00012	0.00012	0.00008	0.00013
10	5	16	0.00011	0.00014	0.00014	0.00011	0.00008	0.00013	0.00013	0.00014	0.00014	0.00011	0.00008	0.00013
10	5	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00013	0.00013	0.00017	0.00016	0.00011	0.00008	0.00013
10	5	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013	0.00013	0.00021	0.00019	0.00011	0.00009	0.00013
10	5	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013	0.00013	0.00024	0.00020	0.00012	0.00009	0.00013
10	5	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
10	5	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
10	5	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	5	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	5	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	6	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	6	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
10	6	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	6	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	6	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	6	6	0.00009	0.00002	0.00002	0.00009	0.00012	0.00011	0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
10	6	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00012	0.00010	0.00001	0.00004	0.00009	0.00013	0.00012
10	6	8	0.00010	0.00002	0.00008	0.00010	0.00013	0.00012	0.00010	0.00002	0.00008	0.00010	0.00013	0.00012
10	6	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
10	6	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00011	0.00003	0.00013	0.00010	0.00010	0.00013
10	6	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013	0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
10	6	12	0.00010	0.00005	0.00010	0.00010	0.00008	0.00013	0.00012	0.00005	0.00010	0.00010	0.00008	0.00013
10	6	13	0.00010	0.00007	0.00010	0.00010	0.00008	0.00013	0.00013	0.00007	0.00010	0.00010	0.00008	0.00013
10	6	14	0.00010	0.00009	0.00011	0.00010	0.00008	0.00013	0.00013	0.00009	0.00011	0.00010	0.00008	0.00013
10	6	15	0.00010	0.00010	0.00012	0.00010	0.00008	0.00013	0.00013	0.00010	0.00012	0.00010	0.00008	0.00013
10	6	16	0.00010	0.00014	0.00014	0.00010	0.00008	0.00013	0.00014	0.00014	0.00014	0.00010	0.00008	0.00013
10	6	17	0.00010	0.00017	0.00016	0.00010	0.00008	0.00013	0.00014	0.00017	0.00016	0.00010	0.00008	0.00013
10	6	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013	0.00014	0.00021	0.00019	0.00011	0.00009	0.00013
10	6	19	0.00011	0.00024	0.00020	0.00011	0.00009	0.00013	0.00014	0.00024	0.00020	0.00011	0.00009	0.00013
10	6	20	0.00011	0.00025	0.00020	0.00011	0.00009	0.00012	0.00014	0.00025	0.00020	0.00011	0.00009	0.00012
10	6	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
10	6	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010	0.00012	0.00023	0.00017	0.00010	0.00009	0.00010
10	6	23	0.00009	0.00022	0.00015	0.00009	0.00009	0.00009	0.00011	0.00022	0.00015	0.00009	0.00009	0.00009
10	6	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
10	7	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009	0.00009	0.00014	0.00009	0.00008	0.00010	0.00009
10	7	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
10	7	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	7	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	7	5	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
10	7	6	0.00008	0.00002	0.00002	0.00008	0.00012	0.00011	0.00009	0.00002	0.00002	0.00008	0.00012	0.00011
10	7	7	0.00008	0.00001	0.00004	0.00008	0.00013	0.00012	0.00010	0.00001	0.00004	0.00008	0.00013	0.00012
10	7	8	0.00009	0.00002	0.00008	0.00009	0.00013	0.00012	0.00011	0.00002	0.00008	0.00009	0.00013	0.00012
10	7	9	0.00009	0.00003	0.00013	0.00009	0.00011	0.00013	0.00011	0.00003	0.00013	0.00009	0.00011	0.00013
10	7	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00012	0.00003	0.00013	0.00010	0.00010	0.00013
10	7	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013	0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
10	7	12	0.00010	0.00005	0.00010	0.00010	0.00008	0.00013	0.00013	0.00005	0.00010	0.00010	0.00008	0.00013
10	7	13	0.00010	0.00007	0.00010	0.00010	0.00008	0.00013	0.00013	0.00007	0.00010	0.00010	0.00008	0.00013
10	7	14	0.00010	0.00009	0.00011	0.00010	0.00008	0.00013	0.00014	0.00009	0.00011	0.00010	0.00008	0.00013
10	7	15	0.00010	0.00010	0.00012	0.00010	0.00008	0.00013	0.00015	0.00010	0.00012	0.00010	0.00008	0.00013
10	7	16	0.00010	0.00014	0.00014	0.00010	0.00008	0.00013	0.00015	0.00014	0.00014	0.00010	0.00008	0.00013
10	7	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00013	0.00015	0.00017	0.00016	0.00011	0.00008	0.00013
10	7	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013	0.00015	0.00021	0.00019	0.00011	0.00009	0.00013
10	7	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013	0.00014	0.00024	0.00020	0.00012	0.00009	0.00013
10	7	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00014	0.00025	0.00020	0.00012	0.00009	0.00012
10	7	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00014	0.00024	0.00018	0.00011	0.00009	0.00011
10	7	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010	0.00013	0.00023	0.00017	0.00010	0.00009	0.00010
10	7	23	0.00009	0.00022	0.00015	0.00009	0.00009	0.00009	0.00012	0.00022	0.00015	0.00009	0.00009	0.00009
10	7	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
10	8	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009	0.00010	0.00014	0.00009	0.00008	0.00010	0.00009
10	8	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
10	8	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00009	0.00007	0.00005	0.00008	0.00010	0.00009
10	8	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	8	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	8	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
10	8	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00009	0.00001	0.00004	0.00011	0.00013	0.00012
10	8	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00009	0.00002	0.00008	0.00011	0.00013	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
10	8	9
10	8	10
10	8	11
10	8	12
10	8	13
10	8	14
10	8	15
10	8	16
10	8	17
10	8	18
10	8	19
10	8	20
10	8	21
10	8	22
10	8	23
10	8	24
10	9	1
10	9	2
10	9	3
10	9	4
10	9	5
10	9	6
10	9	7
10	9	8
10	9	9
10	9	10
10	9	11
10	9	12
10	9	13
10	9	14
10	9	15
10	9	16
10	9	17
10	9	18
10	9	19
10	9	20
10	9	21
10	9	22
10	9	23
10	9	24
10	10	1
10	10	2
10	10	3
10	10	4
10	10	5
10	10	6
10	10	7
10	10	8
10	10	9
10	10	10
10	10	11
10	10	12
10	10	13
10	10	14
10	10	15
10	10	16
10	10	17
10	10	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00013
0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
0.00013	0.00014	0.00014	0.00013	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
0.00011	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00013
0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
0.00014	0.00010	0.00012	0.00013	0.00008	0.00013
0.00014	0.00014	0.00014	0.00013	0.00008	0.00013
0.00014	0.00017	0.00016	0.00012	0.00008	0.00013
0.00014	0.00021	0.00019	0.00012	0.00009	0.00013
0.00014	0.00024	0.00020	0.00013	0.00009	0.00013
0.00014	0.00025	0.00020	0.00013	0.00009	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
0.00010	0.00002	0.00008	0.00011	0.00013	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00013	0.00005	0.00010	0.00012	0.00008	0.00013
0.00013	0.00007	0.00010	0.00012	0.00008	0.00013
0.00014	0.00009	0.00011	0.00012	0.00008	0.00013
0.00015	0.00010	0.00012	0.00012	0.00008	0.00013
0.00015	0.00014	0.00014	0.00012	0.00008	0.00013
0.00015	0.00017	0.00016	0.00012	0.00008	0.00013
0.00014	0.00021	0.00019	0.00012	0.00009	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
10	10	19
10	10	20
10	10	21
10	10	22
10	10	23
10	10	24
10	11	1
10	11	2
10	11	3
10	11	4
10	11	5
10	11	6
10	11	7
10	11	8
10	11	9
10	11	10
10	11	11
10	11	12
10	11	13
10	11	14
10	11	15
10	11	16
10	11	17
10	11	18
10	11	19
10	11	20
10	11	21
10	11	22
10	11	23
10	11	24
10	12	1
10	12	2
10	12	3
10	12	4
10	12	5
10	12	6
10	12	7
10	12	8
10	12	9
10	12	10
10	12	11
10	12	12
10	12	13
10	12	14
10	12	15
10	12	16
10	12	17
10	12	18
10	12	19
10	12	20
10	12	21
10	12	22
10	12	23
10	12	24
10	13	1
10	13	2
10	13	3
10	13	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00011	0.00017	0.00016	0.00011	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00012	0.00024	0.00020	0.00012	0.00009	0.00013
0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00014	0.00024	0.00020	0.00013	0.00009	0.00013
0.00014	0.00025	0.00020	0.00012	0.00009	0.00012
0.00014	0.00024	0.00018	0.00012	0.00009	0.00011
0.00013	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00011	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00013	0.00024	0.00020	0.00012	0.00009	0.00013
0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
0.00012	0.00024	0.00018	0.00011	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	13	5	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
10	13	6	0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
10	13	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00012
10	13	8	0.00010	0.00002	0.00008	0.00010	0.00013	0.00012
10	13	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
10	13	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013
10	13	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013
10	13	12	0.00010	0.00005	0.00010	0.00010	0.00008	0.00013
10	13	13	0.00010	0.00007	0.00010	0.00010	0.00008	0.00013
10	13	14	0.00010	0.00009	0.00011	0.00010	0.00008	0.00013
10	13	15	0.00010	0.00010	0.00012	0.00010	0.00008	0.00013
10	13	16	0.00010	0.00014	0.00014	0.00010	0.00008	0.00013
10	13	17	0.00010	0.00017	0.00016	0.00010	0.00008	0.00013
10	13	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013
10	13	19	0.00011	0.00024	0.00020	0.00011	0.00009	0.00013
10	13	20	0.00011	0.00025	0.00020	0.00011	0.00009	0.00012
10	13	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
10	13	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010
10	13	23	0.00009	0.00022	0.00015	0.00009	0.00009	0.00009
10	13	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
10	14	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009
10	14	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
10	14	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	14	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	14	5	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
10	14	6	0.00008	0.00002	0.00002	0.00008	0.00012	0.00011
10	14	7	0.00008	0.00001	0.00004	0.00008	0.00013	0.00012
10	14	8	0.00009	0.00002	0.00008	0.00009	0.00013	0.00012
10	14	9	0.00009	0.00003	0.00013	0.00009	0.00011	0.00013
10	14	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013
10	14	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013
10	14	12	0.00010	0.00005	0.00010	0.00010	0.00008	0.00013
10	14	13	0.00010	0.00007	0.00010	0.00010	0.00008	0.00013
10	14	14	0.00010	0.00009	0.00011	0.00010	0.00008	0.00013
10	14	15	0.00010	0.00010	0.00012	0.00010	0.00008	0.00013
10	14	16	0.00010	0.00014	0.00014	0.00010	0.00008	0.00013
10	14	17	0.00010	0.00017	0.00016	0.00010	0.00008	0.00013
10	14	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013
10	14	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013
10	14	20	0.00011	0.00025	0.00020	0.00011	0.00009	0.00012
10	14	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
10	14	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010
10	14	23	0.00009	0.00022	0.00015	0.00009	0.00009	0.00009
10	14	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
10	15	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009
10	15	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
10	15	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	15	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	15	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
10	15	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
10	15	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
10	15	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
10	15	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
10	15	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
10	15	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
10	15	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
10	15	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
10	15	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013

Default Shapes (normalized to annual total; MW/annual MWh)

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
0.00010	0.00001	0.00004	0.00009	0.00013	0.00012
0.00011	0.00002	0.00008	0.00010	0.00013	0.00012
0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00010	0.00010	0.00013
0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
0.00012	0.00005	0.00010	0.00010	0.00008	0.00013
0.00012	0.00007	0.00010	0.00010	0.00008	0.00013
0.00012	0.00009	0.00011	0.00010	0.00008	0.00013
0.00012	0.00010	0.00012	0.00010	0.00008	0.00013
0.00012	0.00014	0.00014	0.00010	0.00008	0.00013
0.00012	0.00017	0.00016	0.00010	0.00008	0.00013
0.00012	0.00021	0.00019	0.00011	0.00009	0.00013
0.00013	0.00024	0.00020	0.00011	0.00009	0.00013
0.00013	0.00025	0.00020	0.00011	0.00009	0.00012
0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
0.00012	0.00023	0.00017	0.00010	0.00009	0.00010
0.00011	0.00022	0.00015	0.00009	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00008	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
0.00009	0.00001	0.00004	0.00011	0.00013	0.00012
0.00009	0.00002	0.00008	0.00011	0.00013	0.00012
0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
0.00010	0.00003	0.00013	0.00012	0.00010	0.00013
0.00011	0.00004	0.00011	0.00012	0.00009	0.00013
0.00011	0.00005	0.00010	0.00012	0.00008	0.00013
0.00011	0.00007	0.00010	0.00012	0.00008	0.00013
0.00011	0.00009	0.00011	0.00012	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	15	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00011	0.00010	0.00012	0.00012	0.00008	0.00013
10	15	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00011	0.00014	0.00014	0.00012	0.00008	0.00013
10	15	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00011	0.00017	0.00016	0.00012	0.00008	0.00013
10	15	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00011	0.00021	0.00019	0.00012	0.00009	0.00013
10	15	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00012	0.00024	0.00020	0.00013	0.00009	0.00013
10	15	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
10	15	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	15	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
10	15	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	15	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	16	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	16	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
10	16	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	16	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	16	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	16	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
10	16	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00008	0.00001	0.00004	0.00011	0.00013	0.00012
10	16	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00009	0.00002	0.00008	0.00011	0.00013	0.00012
10	16	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
10	16	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00010	0.00003	0.00013	0.00012	0.00010	0.00013
10	16	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00010	0.00004	0.00011	0.00012	0.00009	0.00013
10	16	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00010	0.00005	0.00010	0.00012	0.00008	0.00013
10	16	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00011	0.00007	0.00010	0.00012	0.00008	0.00013
10	16	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00011	0.00009	0.00011	0.00012	0.00008	0.00013
10	16	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00011	0.00010	0.00012	0.00012	0.00008	0.00013
10	16	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00011	0.00014	0.00014	0.00012	0.00008	0.00013
10	16	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00011	0.00017	0.00016	0.00012	0.00008	0.00013
10	16	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00011	0.00021	0.00019	0.00012	0.00009	0.00013
10	16	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00012	0.00024	0.00020	0.00013	0.00009	0.00013
10	16	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
10	16	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	16	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
10	16	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
10	16	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00010	0.00018	0.00012	0.00009	0.00010	0.00009
10	17	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	17	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
10	17	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	17	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	17	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	17	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	17	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	17	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
10	17	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	17	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
10	17	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
10	17	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
10	17	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
10	17	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
10	17	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
10	17	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00013	0.00014	0.00014	0.00012	0.00008	0.00013
10	17	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00013	0.00012	0.00017	0.00016	0.00011	0.00008	0.00013
10	17	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
10	17	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013	0.00013	0.00024	0.00020	0.00012	0.00009	0.00013
10	17	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
10	17	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
10	17	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
10	17	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	17	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	18	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	18	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
10	18	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	18	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	18	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	18	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	18	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	18	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00010	0.00002	0.00008	0.00011	0.00013	0.00012
10	18	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	18	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
10	18	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
10	18	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
10	18	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
10	18	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
10	18	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
10	18	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
10	18	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
10	18	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
10	18	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
10	18	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
10	18	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	18	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
10	18	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	18	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	19	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	19	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
10	19	3	0.00009	0.00007	0.00005	0.00009	0.00010	0.00009	0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
10	19	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	19	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	19	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	19	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	19	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
10	19	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	19	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
10	19	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
10	19	12	0.00013	0.00005	0.00010	0.00013	0.00008	0.00013	0.00012	0.00005	0.00010	0.00013	0.00008	0.00013
10	19	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
10	19	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
10	19	15	0.00013	0.00010	0.00012	0.00013	0.00008	0.00013	0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
10	19	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00013	0.00014	0.00014	0.00012	0.00008	0.00013
10	19	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00014	0.00017	0.00016	0.00012	0.00008	0.00013
10	19	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00014	0.00021	0.00019	0.00012	0.00009	0.00013
10	19	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00014	0.00024	0.00020	0.00013	0.00009	0.00013
10	19	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00014	0.00025	0.00020	0.00012	0.00009	0.00012
10	19	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00014	0.00024	0.00018	0.00012	0.00009	0.00011
10	19	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00013	0.00023	0.00017	0.00011	0.00009	0.00010
10	19	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00012	0.00022	0.00015	0.00010	0.00009	0.00009
10	19	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00012	0.00018	0.00012	0.00009	0.00010	0.00009
10	20	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00010	0.00014	0.00009	0.00009	0.00010	0.00009
10	20	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
10	20	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00009	0.00007	0.00005	0.00008	0.00010	0.00009
10	20	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	20	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
10	20	6	0.00009	0.00002	0.00002	0.00009	0.00012	0.00011	0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
10	20	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00012	0.00010	0.00001	0.00004	0.00009	0.00013	0.00012
10	20	8	0.00010	0.00002	0.00008	0.00010	0.00013	0.00012	0.00011	0.00002	0.00008	0.00010	0.00013	0.00012
10	20	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
10	20	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00012	0.00003	0.00013	0.00010	0.00010	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
10	20	11
10	20	12
10	20	13
10	20	14
10	20	15
10	20	16
10	20	17
10	20	18
10	20	19
10	20	20
10	20	21
10	20	22
10	20	23
10	20	24
10	21	1
10	21	2
10	21	3
10	21	4
10	21	5
10	21	6
10	21	7
10	21	8
10	21	9
10	21	10
10	21	11
10	21	12
10	21	13
10	21	14
10	21	15
10	21	16
10	21	17
10	21	18
10	21	19
10	21	20
10	21	21
10	21	22
10	21	23
10	21	24
10	22	1
10	22	2
10	22	3
10	22	4
10	22	5
10	22	6
10	22	7
10	22	8
10	22	9
10	22	10
10	22	11
10	22	12
10	22	13
10	22	14
10	22	15
10	22	16
10	22	17
10	22	18
10	22	19
10	22	20

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00013
0.00011	0.00007	0.00010	0.00011	0.00008	0.00013
0.00010	0.00009	0.00011	0.00010	0.00008	0.00013
0.00010	0.00010	0.00012	0.00010	0.00008	0.00013
0.00010	0.00014	0.00014	0.00010	0.00008	0.00013
0.00010	0.00017	0.00016	0.00010	0.00008	0.00013
0.00011	0.00021	0.00019	0.00011	0.00009	0.00013
0.00011	0.00024	0.00020	0.00011	0.00009	0.00013
0.00011	0.00025	0.00020	0.00011	0.00009	0.00012
0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
0.00010	0.00023	0.00017	0.00010	0.00009	0.00010
0.00009	0.00022	0.00015	0.00009	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00008	0.00014	0.00009	0.00008	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
0.00008	0.00002	0.00002	0.00008	0.00012	0.00011
0.00008	0.00001	0.00004	0.00008	0.00013	0.00012
0.00009	0.00002	0.00008	0.00009	0.00013	0.00012
0.00009	0.00003	0.00013	0.00009	0.00011	0.00013
0.00010	0.00003	0.00013	0.00010	0.00010	0.00013
0.00010	0.00004	0.00011	0.00010	0.00009	0.00013
0.00010	0.00005	0.00010	0.00010	0.00008	0.00013
0.00010	0.00007	0.00010	0.00010	0.00008	0.00013
0.00010	0.00009	0.00011	0.00010	0.00008	0.00013
0.00010	0.00010	0.00012	0.00010	0.00008	0.00013
0.00010	0.00014	0.00014	0.00010	0.00008	0.00013
0.00011	0.00017	0.00016	0.00011	0.00008	0.00013
0.00011	0.00021	0.00019	0.00011	0.00009	0.00013
0.00012	0.00024	0.00020	0.00012	0.00009	0.00013
0.00011	0.00025	0.00020	0.00011	0.00009	0.00012
0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
0.00010	0.00023	0.00017	0.00010	0.00009	0.00010
0.00009	0.00022	0.00015	0.00009	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00008	0.00014	0.00009	0.00008	0.00010	0.00009
0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00013	0.00021	0.00019	0.00013	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00012	0.00025	0.00020	0.00012	0.00009	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00004	0.00011	0.00011	0.00009	0.00013
0.00014	0.00005	0.00010	0.00011	0.00008	0.00013
0.00014	0.00007	0.00010	0.00011	0.00008	0.00013
0.00015	0.00009	0.00011	0.00010	0.00008	0.00013
0.00016	0.00010	0.00012	0.00010	0.00008	0.00013
0.00016	0.00014	0.00014	0.00010	0.00008	0.00013
0.00017	0.00017	0.00016	0.00010	0.00008	0.00013
0.00016	0.00021	0.00019	0.00011	0.00009	0.00013
0.00016	0.00024	0.00020	0.00011	0.00009	0.00013
0.00016	0.00025	0.00020	0.00011	0.00009	0.00012
0.00015	0.00024	0.00018	0.00011	0.00009	0.00011
0.00014	0.00023	0.00017	0.00010	0.00009	0.00010
0.00012	0.00022	0.00015	0.00009	0.00009	0.00009
0.00013	0.00018	0.00012	0.00009	0.00010	0.00009
0.00010	0.00014	0.00009	0.00008	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
0.00009	0.00007	0.00005	0.00008	0.00010	0.00009
0.00009	0.00005	0.00003	0.00008	0.00011	0.00009
0.00009	0.00003	0.00002	0.00008	0.00011	0.00010
0.00009	0.00002	0.00002	0.00008	0.00012	0.00011
0.00010	0.00001	0.00004	0.00008	0.00013	0.00012
0.00011	0.00002	0.00008	0.00009	0.00013	0.00012
0.00011	0.00003	0.00013	0.00009	0.00011	0.00013
0.00012	0.00003	0.00013	0.00010	0.00010	0.00013
0.00013	0.00004	0.00011	0.00010	0.00009	0.00013
0.00014	0.00005	0.00010	0.00010	0.00008	0.00013
0.00015	0.00007	0.00010	0.00010	0.00008	0.00013
0.00015	0.00009	0.00011	0.00010	0.00008	0.00013
0.00016	0.00010	0.00012	0.00010	0.00008	0.00013
0.00016	0.00014	0.00014	0.00010	0.00008	0.00013
0.00016	0.00017	0.00016	0.00011	0.00008	0.00013
0.00016	0.00021	0.00019	0.00011	0.00009	0.00013
0.00015	0.00024	0.00020	0.00012	0.00009	0.00013
0.00015	0.00025	0.00020	0.00011	0.00009	0.00012
0.00014	0.00024	0.00018	0.00011	0.00009	0.00011
0.00013	0.00023	0.00017	0.00010	0.00009	0.00010
0.00012	0.00022	0.00015	0.00009	0.00009	0.00009
0.00013	0.00018	0.00012	0.00009	0.00010	0.00009
0.00010	0.00014	0.00009	0.00008	0.00010	0.00009
0.00009	0.00010	0.00007	0.00008	0.00010	0.00009
0.00009	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
0.00009	0.00001	0.00004	0.00011	0.00013	0.00012
0.00009	0.00002	0.00008	0.00011	0.00013	0.00012
0.00010	0.00003	0.00013	0.00012	0.00011	0.00013
0.00010	0.00003	0.00013	0.00012	0.00010	0.00013
0.00011	0.00004	0.00011	0.00012	0.00009	0.00013
0.00011	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00013	0.00014	0.00014	0.00012	0.00008	0.00013
0.00013	0.00017	0.00016	0.00012	0.00008	0.00013
0.00013	0.00021	0.00019	0.00013	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00013	0.00025	0.00020	0.00012	0.00009	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
10	22	21
10	22	22
10	22	23
10	22	24
10	23	1
10	23	2
10	23	3
10	23	4
10	23	5
10	23	6
10	23	7
10	23	8
10	23	9
10	23	10
10	23	11
10	23	12
10	23	13
10	23	14
10	23	15
10	23	16
10	23	17
10	23	18
10	23	19
10	23	20
10	23	21
10	23	22
10	23	23
10	23	24
10	24	1
10	24	2
10	24	3
10	24	4
10	24	5
10	24	6
10	24	7
10	24	8
10	24	9
10	24	10
10	24	11
10	24	12
10	24	13
10	24	14
10	24	15
10	24	16
10	24	17
10	24	18
10	24	19
10	24	20
10	24	21
10	24	22
10	24	23
10	24	24
10	25	1
10	25	2
10	25	3
10	25	4
10	25	5
10	25	6

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00009	0.00007	0.00005	0.00009	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00013
0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
0.00013	0.00014	0.00014	0.00013	0.00008	0.00013
0.00013	0.00017	0.00016	0.00013	0.00008	0.00013
0.00014	0.00021	0.00019	0.00014	0.00009	0.00013
0.00014	0.00024	0.00020	0.00014	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00009	0.00007	0.00005	0.00009	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00013
0.00014	0.00007	0.00010	0.00014	0.00008	0.00013
0.00014	0.00009	0.00011	0.00014	0.00008	0.00013
0.00014	0.00010	0.00012	0.00014	0.00008	0.00013
0.00014	0.00014	0.00014	0.00014	0.00008	0.00013
0.00013	0.00017	0.00016	0.00013	0.00008	0.00013
0.00014	0.00021	0.00019	0.00014	0.00009	0.00013
0.00014	0.00024	0.00020	0.00014	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00009	0.00007	0.00005	0.00009	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
0.00008	0.00001	0.00004	0.00011	0.00013	0.00012
0.00008	0.00002	0.00008	0.00011	0.00013	0.00012
0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
0.00009	0.00003	0.00013	0.00012	0.00010	0.00013
0.00010	0.00004	0.00011	0.00013	0.00009	0.00013
0.00010	0.00005	0.00010	0.00013	0.00008	0.00013
0.00010	0.00007	0.00010	0.00013	0.00008	0.00013
0.00010	0.00009	0.00011	0.00013	0.00008	0.00013
0.00010	0.00010	0.00012	0.00013	0.00008	0.00013
0.00011	0.00014	0.00014	0.00013	0.00008	0.00013
0.00011	0.00017	0.00016	0.00013	0.00008	0.00013
0.00011	0.00021	0.00019	0.00014	0.00009	0.00013
0.00012	0.00024	0.00020	0.00014	0.00009	0.00013
0.00012	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00010	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00013
0.00012	0.00007	0.00010	0.00014	0.00008	0.00013
0.00012	0.00009	0.00011	0.00014	0.00008	0.00013
0.00012	0.00010	0.00012	0.00014	0.00008	0.00013
0.00012	0.00014	0.00014	0.00014	0.00008	0.00013
0.00012	0.00017	0.00016	0.00013	0.00008	0.00013
0.00012	0.00021	0.00019	0.00014	0.00009	0.00013
0.00013	0.00024	0.00020	0.00014	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00010	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00010	0.00012	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
10	25	7
10	25	8
10	25	9
10	25	10
10	25	11
10	25	12
10	25	13
10	25	14
10	25	15
10	25	16
10	25	17
10	25	18
10	25	19
10	25	20
10	25	21
10	25	22
10	25	23
10	25	24
10	26	1
10	26	2
10	26	3
10	26	4
10	26	5
10	26	6
10	26	7
10	26	8
10	26	9
10	26	10
10	26	11
10	26	12
10	26	13
10	26	14
10	26	15
10	26	16
10	26	17
10	26	18
10	26	19
10	26	20
10	26	21
10	26	22
10	26	23
10	26	24
10	27	1
10	27	2
10	27	3
10	27	4
10	27	5
10	27	6
10	27	7
10	27	8
10	27	9
10	27	10
10	27	11
10	27	12
10	27	13
10	27	14
10	27	15
10	27	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00013	0.00004	0.00011	0.00013	0.00009	0.00013
0.00013	0.00005	0.00010	0.00013	0.00008	0.00013
0.00013	0.00007	0.00010	0.00013	0.00008	0.00013
0.00013	0.00009	0.00011	0.00013	0.00008	0.00013
0.00013	0.00010	0.00012	0.00013	0.00008	0.00013
0.00013	0.00014	0.00014	0.00013	0.00008	0.00013
0.00013	0.00017	0.00016	0.00013	0.00008	0.00013
0.00013	0.00021	0.00019	0.00013	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00009	0.00007	0.00005	0.00009	0.00010	0.00009
0.00009	0.00005	0.00003	0.00009	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00010	0.00002	0.00002	0.00010	0.00012	0.00011
0.00011	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00012	0.00003	0.00013	0.00012	0.00011	0.00013
0.00012	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
0.00012	0.00024	0.00020	0.00012	0.00009	0.00013
0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
0.00011	0.00024	0.00018	0.00011	0.00009	0.00011
0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
0.00009	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00009	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00009	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
0.00009	0.00001	0.00004	0.00009	0.00013	0.00012
0.00010	0.00002	0.00008	0.00010	0.00013	0.00012
0.00010	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
0.00011	0.00004	0.00011	0.00011	0.00009	0.00013
0.00011	0.00005	0.00010	0.00011	0.00008	0.00013
0.00010	0.00007	0.00010	0.00010	0.00008	0.00013
0.00010	0.00009	0.00011	0.00010	0.00008	0.00013
0.00010	0.00010	0.00012	0.00010	0.00008	0.00013
0.00010	0.00014	0.00014	0.00010	0.00008	0.00013

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
0.00010	0.00002	0.00008	0.00011	0.00013	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00013	0.00009	0.00013
0.00012	0.00005	0.00010	0.00013	0.00008	0.00013
0.00012	0.00007	0.00010	0.00013	0.00008	0.00013
0.00012	0.00009	0.00011	0.00013	0.00008	0.00013
0.00012	0.00010	0.00012	0.00013	0.00008	0.00013
0.00012	0.00014	0.00014	0.00013	0.00008	0.00013
0.00012	0.00017	0.00016	0.00013	0.00008	0.00013
0.00012	0.00021	0.00019	0.00013	0.00009	0.00013
0.00013	0.00024	0.00020	0.00013	0.00009	0.00013
0.00013	0.00025	0.00020	0.00013	0.00009	0.00012
0.00013	0.00024	0.00018	0.00012	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00009	0.00010	0.00009
0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
0.00012	0.00004	0.00011	0.00012	0.00009	0.00013
0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
0.00013	0.00010	0.00012	0.00012	0.00008	0.00013
0.00013	0.00014	0.00014	0.00012	0.00008	0.00013
0.00013	0.00017	0.00016	0.00012	0.00008	0.00013
0.00013	0.00021	0.00019	0.00012	0.00009	0.00013
0.00013	0.00024	0.00020	0.00012	0.00009	0.00013
0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
0.00012	0.00023	0.00017	0.00011	0.00009	0.00010
0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
0.00009	0.00002	0.00002	0.00009	0.00012	0.00011
0.00010	0.00001	0.00004	0.00009	0.00013	0.00012
0.00011	0.00002	0.00008	0.00010	0.00013	0.00012
0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
0.00011	0.00003	0.00013	0.00011	0.00010	0.00013
0.00012	0.00004	0.00011	0.00011	0.00009	0.00013
0.00012	0.00005	0.00010	0.00011	0.00008	0.00013
0.00012	0.00007	0.00010	0.00010	0.00008	0.00013
0.00012	0.00009	0.00011	0.00010	0.00008	0.00013
0.00013	0.00010	0.00012	0.00010	0.00008	0.00013
0.00013	0.00014	0.00014	0.00010	0.00008	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	27	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00013	0.00012	0.00017	0.00016	0.00011	0.00008	0.00013
10	27	18	0.00011	0.00021	0.00019	0.00011	0.00009	0.00013	0.00012	0.00021	0.00019	0.00011	0.00009	0.00013
10	27	19	0.00011	0.00024	0.00020	0.00011	0.00009	0.00013	0.00013	0.00024	0.00020	0.00011	0.00009	0.00013
10	27	20	0.00011	0.00025	0.00020	0.00011	0.00009	0.00012	0.00013	0.00025	0.00020	0.00011	0.00009	0.00012
10	27	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00013	0.00024	0.00018	0.00011	0.00009	0.00011
10	27	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010	0.00012	0.00023	0.00017	0.00010	0.00009	0.00010
10	27	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	27	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	28	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	28	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
10	28	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	28	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	28	5	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010	0.00008	0.00003	0.00002	0.00008	0.00011	0.00010
10	28	6	0.00008	0.00002	0.00002	0.00008	0.00012	0.00011	0.00009	0.00002	0.00002	0.00008	0.00012	0.00011
10	28	7	0.00009	0.00001	0.00004	0.00009	0.00013	0.00012	0.00010	0.00001	0.00004	0.00009	0.00013	0.00012
10	28	8	0.00009	0.00002	0.00008	0.00009	0.00013	0.00012	0.00011	0.00002	0.00008	0.00009	0.00013	0.00012
10	28	9	0.00010	0.00003	0.00013	0.00010	0.00011	0.00013	0.00011	0.00003	0.00013	0.00010	0.00011	0.00013
10	28	10	0.00010	0.00003	0.00013	0.00010	0.00010	0.00013	0.00012	0.00003	0.00013	0.00010	0.00010	0.00013
10	28	11	0.00010	0.00004	0.00011	0.00010	0.00009	0.00013	0.00012	0.00004	0.00011	0.00010	0.00009	0.00013
10	28	12	0.00011	0.00005	0.00010	0.00011	0.00008	0.00013	0.00012	0.00005	0.00010	0.00011	0.00008	0.00013
10	28	13	0.00011	0.00007	0.00010	0.00011	0.00008	0.00013	0.00012	0.00007	0.00010	0.00011	0.00008	0.00013
10	28	14	0.00011	0.00009	0.00011	0.00011	0.00008	0.00013	0.00012	0.00009	0.00011	0.00011	0.00008	0.00013
10	28	15	0.00011	0.00010	0.00012	0.00011	0.00008	0.00013	0.00012	0.00010	0.00012	0.00011	0.00008	0.00013
10	28	16	0.00011	0.00014	0.00014	0.00011	0.00008	0.00013	0.00012	0.00014	0.00014	0.00011	0.00008	0.00013
10	28	17	0.00011	0.00017	0.00016	0.00011	0.00008	0.00013	0.00012	0.00017	0.00016	0.00011	0.00008	0.00013
10	28	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
10	28	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013	0.00013	0.00024	0.00020	0.00012	0.00009	0.00013
10	28	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00013	0.00025	0.00020	0.00012	0.00009	0.00012
10	28	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00012	0.00024	0.00018	0.00011	0.00009	0.00011
10	28	22	0.00010	0.00023	0.00017	0.00010	0.00009	0.00010	0.00012	0.00023	0.00017	0.00010	0.00009	0.00010
10	28	23	0.00009	0.00022	0.00015	0.00009	0.00009	0.00009	0.00011	0.00022	0.00015	0.00009	0.00009	0.00009
10	28	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
10	29	1	0.00008	0.00014	0.00009	0.00008	0.00010	0.00009	0.00009	0.00014	0.00009	0.00008	0.00010	0.00009
10	29	2	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009	0.00008	0.00010	0.00007	0.00008	0.00010	0.00009
10	29	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	29	4	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009	0.00008	0.00005	0.00003	0.00008	0.00011	0.00009
10	29	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	29	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
10	29	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00009	0.00001	0.00004	0.00011	0.00013	0.00012
10	29	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00009	0.00002	0.00008	0.00011	0.00013	0.00012
10	29	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
10	29	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00010	0.00003	0.00013	0.00012	0.00010	0.00013
10	29	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00010	0.00004	0.00011	0.00012	0.00009	0.00013
10	29	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00011	0.00005	0.00010	0.00012	0.00008	0.00013
10	29	13	0.00013	0.00007	0.00010	0.00013	0.00008	0.00013	0.00011	0.00007	0.00010	0.00013	0.00008	0.00013
10	29	14	0.00013	0.00009	0.00011	0.00013	0.00008	0.00013	0.00011	0.00009	0.00011	0.00013	0.00008	0.00013
10	29	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00011	0.00010	0.00012	0.00012	0.00008	0.00013
10	29	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00011	0.00014	0.00014	0.00012	0.00008	0.00013
10	29	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00011	0.00017	0.00016	0.00012	0.00008	0.00013
10	29	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013	0.00012	0.00021	0.00019	0.00013	0.00009	0.00013
10	29	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00012	0.00024	0.00020	0.00013	0.00009	0.00013
10	29	20	0.00013	0.00025	0.00020	0.00013	0.00009	0.00012	0.00012	0.00025	0.00020	0.00013	0.00009	0.00012
10	29	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	29	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
10	29	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00011	0.00022	0.00015	0.00010	0.00009	0.00009
10	29	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00010	0.00018	0.00012	0.00009	0.00010	0.00009
10	30	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009
10	30	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
10	30	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	30	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	30	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	30	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00008	0.00002	0.00002	0.00010	0.00012	0.00011
10	30	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00008	0.00001	0.00004	0.00011	0.00013	0.00012
10	30	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00009	0.00002	0.00008	0.00011	0.00013	0.00012
10	30	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00009	0.00003	0.00013	0.00012	0.00011	0.00013
10	30	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00010	0.00003	0.00013	0.00012	0.00010	0.00013
10	30	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00010	0.00004	0.00011	0.00012	0.00009	0.00013
10	30	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00010	0.00005	0.00010	0.00012	0.00008	0.00013
10	30	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00010	0.00007	0.00010	0.00012	0.00008	0.00013
10	30	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00010	0.00009	0.00011	0.00012	0.00008	0.00013
10	30	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00010	0.00010	0.00012	0.00012	0.00008	0.00013
10	30	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00010	0.00014	0.00014	0.00012	0.00008	0.00013
10	30	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00010	0.00017	0.00016	0.00012	0.00008	0.00013
10	30	18	0.00013	0.00021	0.00019	0.00013	0.00009	0.00013	0.00011	0.00021	0.00019	0.00013	0.00009	0.00013
10	30	19	0.00013	0.00024	0.00020	0.00013	0.00009	0.00013	0.00012	0.00024	0.00020	0.00013	0.00009	0.00013
10	30	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
10	30	21	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011	0.00012	0.00024	0.00018	0.00012	0.00009	0.00011
10	30	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
10	30	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
10	30	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00010	0.00018	0.00012	0.00009	0.00010	0.00009
10	31	1	0.00009	0.00014	0.00009	0.00009	0.00010	0.00009	0.00008	0.00014	0.00009	0.00009	0.00010	0.00009
10	31	2	0.00009	0.00010	0.00007	0.00009	0.00010	0.00009	0.00008	0.00010	0.00007	0.00009	0.00010	0.00009
10	31	3	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009	0.00008	0.00007	0.00005	0.00008	0.00010	0.00009
10	31	4	0.00009	0.00005	0.00003	0.00009	0.00011	0.00009	0.00008	0.00005	0.00003	0.00009	0.00011	0.00009
10	31	5	0.00009	0.00003	0.00002	0.00009	0.00011	0.00010	0.00008	0.00003	0.00002	0.00009	0.00011	0.00010
10	31	6	0.00010	0.00002	0.00002	0.00010	0.00012	0.00011	0.00009	0.00002	0.00002	0.00010	0.00012	0.00011
10	31	7	0.00011	0.00001	0.00004	0.00011	0.00013	0.00012	0.00010	0.00001	0.00004	0.00011	0.00013	0.00012
10	31	8	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012	0.00011	0.00002	0.00008	0.00011	0.00013	0.00012
10	31	9	0.00012	0.00003	0.00013	0.00012	0.00011	0.00013	0.00011	0.00003	0.00013	0.00012	0.00011	0.00013
10	31	10	0.00012	0.00003	0.00013	0.00012	0.00010	0.00013	0.00011	0.00003	0.00013	0.00012	0.00010	0.00013
10	31	11	0.00012	0.00004	0.00011	0.00012	0.00009	0.00013	0.00011	0.00004	0.00011	0.00012	0.00009	0.00013
10	31	12	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013	0.00012	0.00005	0.00010	0.00012	0.00008	0.00013
10	31	13	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013	0.00012	0.00007	0.00010	0.00012	0.00008	0.00013
10	31	14	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013	0.00012	0.00009	0.00011	0.00012	0.00008	0.00013
10	31	15	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013	0.00012	0.00010	0.00012	0.00012	0.00008	0.00013
10	31	16	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013	0.00012	0.00014	0.00014	0.00012	0.00008	0.00013
10	31	17	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013	0.00012	0.00017	0.00016	0.00012	0.00008	0.00013
10	31	18	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013	0.00012	0.00021	0.00019	0.00012	0.00009	0.00013
10	31	19	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013	0.00012	0.00024	0.00020	0.00012	0.00009	0.00013
10	31	20	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012	0.00012	0.00025	0.00020	0.00012	0.00009	0.00012
10	31	21	0.00011	0.00024	0.00018	0.00011	0.00009	0.00011	0.00012	0.00024	0.00018	0.00011	0.00009	0.00011
10	31	22	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010	0.00011	0.00023	0.00017	0.00011	0.00009	0.00010
10	31	23	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009	0.00010	0.00022	0.00015	0.00010	0.00009	0.00009
10	31	24	0.00009	0.00018	0.00012	0.00009	0.00010	0.00009	0.00011	0.00018	0.00012	0.00009	0.00010	0.00009
11	1	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	1	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	1	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	1	4	0.00009	0.00005	0.00003	0.00009	0.00019	0.00008	0.00008	0.00005	0.00003	0.00009	0.00019	0.00008
11	1	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00008	0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
11	1	6	0.00010	0.00002	0.00002	0.00010	0.00020	0.00009	0.00009	0.00002	0.00002	0.00010	0.00020	0.00009
11	1	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00010	0.00010	0.00001	0.00004	0.00011	0.00020	0.00010
11	1	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
11	1	9	0.00012	0.00003	0.00013	0.00012	0.00016	0.00012	0.00011	0.00003	0.00013	0.00012	0.00016	0.00012
11	1	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
11	1	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
11	1	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00011	0.00005	0.00009	0.00012	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	1	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
11	1	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
11	1	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
11	1	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
11	1	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
11	1	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
11	1	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
11	1	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00013	0.00025	0.00020	0.00012	0.00014	0.00012
11	1	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
11	1	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00012	0.00023	0.00017	0.00011	0.00015	0.00010
11	1	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	1	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	2	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	2	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	2	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	2	4	0.00009	0.00005	0.00003	0.00009	0.00019	0.00008	0.00008	0.00005	0.00003	0.00009	0.00019	0.00008
11	2	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00008	0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
11	2	6	0.00010	0.00002	0.00002	0.00010	0.00020	0.00009	0.00009	0.00002	0.00002	0.00010	0.00020	0.00009
11	2	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00010	0.00010	0.00001	0.00004	0.00011	0.00020	0.00010
11	2	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
11	2	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
11	2	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
11	2	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
11	2	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
11	2	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
11	2	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
11	2	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
11	2	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
11	2	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
11	2	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
11	2	19	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012	0.00013	0.00024	0.00020	0.00012	0.00013	0.00012
11	2	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00013	0.00025	0.00020	0.00012	0.00014	0.00012
11	2	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00012	0.00024	0.00018	0.00011	0.00014	0.00011
11	2	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00012	0.00023	0.00017	0.00011	0.00015	0.00010
11	2	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
11	2	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	3	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	3	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	3	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	3	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	3	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	3	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
11	3	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00010	0.00010	0.00001	0.00004	0.00009	0.00020	0.00010
11	3	8	0.00010	0.00002	0.00008	0.00010	0.00019	0.00011	0.00011	0.00002	0.00008	0.00010	0.00019	0.00011
11	3	9	0.00010	0.00003	0.00013	0.00010	0.00016	0.00012	0.00011	0.00003	0.00013	0.00010	0.00016	0.00012
11	3	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00011	0.00003	0.00013	0.00010	0.00014	0.00012
11	3	11	0.00011	0.00004	0.00011	0.00011	0.00012	0.00012	0.00012	0.00004	0.00011	0.00011	0.00012	0.00012
11	3	12	0.00011	0.00005	0.00009	0.00011	0.00011	0.00012	0.00012	0.00005	0.00009	0.00011	0.00011	0.00012
11	3	13	0.00011	0.00007	0.00010	0.00011	0.00010	0.00012	0.00012	0.00007	0.00010	0.00011	0.00010	0.00012
11	3	14	0.00011	0.00009	0.00011	0.00011	0.00010	0.00012	0.00013	0.00009	0.00011	0.00011	0.00010	0.00012
11	3	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00013	0.00010	0.00012	0.00011	0.00010	0.00012
11	3	16	0.00011	0.00014	0.00014	0.00011	0.00011	0.00012	0.00013	0.00014	0.00014	0.00011	0.00011	0.00012
11	3	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00013	0.00017	0.00016	0.00011	0.00012	0.00012
11	3	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
11	3	19	0.00011	0.00024	0.00020	0.00011	0.00013	0.00012	0.00014	0.00024	0.00020	0.00011	0.00013	0.00012
11	3	20	0.00011	0.00025	0.00020	0.00011	0.00014	0.00012	0.00013	0.00025	0.00020	0.00011	0.00014	0.00012
11	3	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00013	0.00024	0.00018	0.00011	0.00014	0.00011
11	3	22	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010	0.00012	0.00023	0.00017	0.00010	0.00015	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	3	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
11	3	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	4	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00008	0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
11	4	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	4	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	4	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	4	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	4	6	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009	0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
11	4	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00010	0.00010	0.00001	0.00004	0.00009	0.00020	0.00010
11	4	8	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011	0.00011	0.00002	0.00008	0.00009	0.00019	0.00011
11	4	9	0.00010	0.00003	0.00013	0.00010	0.00016	0.00012	0.00011	0.00003	0.00013	0.00010	0.00016	0.00012
11	4	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00011	0.00003	0.00013	0.00010	0.00014	0.00012
11	4	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00012	0.00004	0.00011	0.00010	0.00012	0.00012
11	4	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00012	0.00005	0.00009	0.00010	0.00011	0.00012
11	4	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00012	0.00007	0.00010	0.00010	0.00010	0.00012
11	4	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00013	0.00009	0.00011	0.00010	0.00010	0.00012
11	4	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00013	0.00010	0.00012	0.00010	0.00010	0.00012
11	4	16	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012	0.00013	0.00014	0.00014	0.00010	0.00011	0.00012
11	4	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00013	0.00017	0.00016	0.00011	0.00012	0.00012
11	4	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
11	4	19	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012	0.00013	0.00024	0.00020	0.00012	0.00013	0.00012
11	4	20	0.00011	0.00025	0.00020	0.00011	0.00014	0.00012	0.00013	0.00025	0.00020	0.00011	0.00014	0.00012
11	4	21	0.00010	0.00024	0.00018	0.00010	0.00014	0.00011	0.00012	0.00024	0.00018	0.00010	0.00014	0.00011
11	4	22	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010	0.00012	0.00023	0.00017	0.00010	0.00015	0.00010
11	4	23	0.00009	0.00022	0.00015	0.00009	0.00015	0.00009	0.00011	0.00022	0.00015	0.00009	0.00015	0.00009
11	4	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	5	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00008	0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
11	5	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
11	5	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	5	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	5	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	5	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	5	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00009	0.00001	0.00004	0.00010	0.00020	0.00010
11	5	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00009	0.00002	0.00008	0.00011	0.00019	0.00011
11	5	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00009	0.00003	0.00013	0.00011	0.00016	0.00012
11	5	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00010	0.00003	0.00013	0.00012	0.00014	0.00012
11	5	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
11	5	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00011	0.00005	0.00009	0.00012	0.00011	0.00012
11	5	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
11	5	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00011	0.00009	0.00011	0.00012	0.00010	0.00012
11	5	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
11	5	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00011	0.00014	0.00014	0.00012	0.00011	0.00012
11	5	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
11	5	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00011	0.00021	0.00019	0.00013	0.00012	0.00012
11	5	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
11	5	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00012	0.00025	0.00020	0.00013	0.00014	0.00012
11	5	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00011	0.00024	0.00018	0.00012	0.00014	0.00011
11	5	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
11	5	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	5	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00010	0.00018	0.00013	0.00009	0.00016	0.00009
11	6	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	6	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00015	0.00010	0.00007	0.00008	0.00017	0.00008
11	6	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	6	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	6	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	6	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	6	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00008	0.00001	0.00004	0.00010	0.00020	0.00010
11	6	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00008	0.00002	0.00008	0.00011	0.00019	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
11	6	9
11	6	10
11	6	11
11	6	12
11	6	13
11	6	14
11	6	15
11	6	16
11	6	17
11	6	18
11	6	19
11	6	20
11	6	21
11	6	22
11	6	23
11	6	24
11	7	1
11	7	2
11	7	3
11	7	4
11	7	5
11	7	6
11	7	7
11	7	8
11	7	9
11	7	10
11	7	11
11	7	12
11	7	13
11	7	14
11	7	15
11	7	16
11	7	17
11	7	18
11	7	19
11	7	20
11	7	21
11	7	22
11	7	23
11	7	24
11	8	1
11	8	2
11	8	3
11	8	4
11	8	5
11	8	6
11	8	7
11	8	8
11	8	9
11	8	10
11	8	11
11	8	12
11	8	13
11	8	14
11	8	15
11	8	16
11	8	17
11	8	18

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00009	0.00003	0.00002	0.00009	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00012	0.00003	0.00013	0.00012	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00003	0.00013	0.00011	0.00016	0.00012
0.00009	0.00003	0.00013	0.00012	0.00014	0.00012
0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
0.00010	0.00005	0.00009	0.00012	0.00011	0.00012
0.00010	0.00007	0.00010	0.00012	0.00010	0.00012
0.00010	0.00009	0.00011	0.00012	0.00010	0.00012
0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
0.00010	0.00014	0.00014	0.00012	0.00011	0.00012
0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00013	0.00014	0.00012
0.00011	0.00024	0.00018	0.00012	0.00014	0.00011
0.00010	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00010	0.00018	0.00013	0.00009	0.00016	0.00009
0.00008	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00008	0.00003	0.00002	0.00009	0.00020	0.00009
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00010	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00013	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00012	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00013	0.00005	0.00009	0.00012	0.00011	0.00012
0.00013	0.00007	0.00010	0.00012	0.00010	0.00012
0.00014	0.00009	0.00011	0.00012	0.00010	0.00012
0.00014	0.00010	0.00012	0.00012	0.00010	0.00012
0.00014	0.00014	0.00014	0.00012	0.00011	0.00012
0.00014	0.00017	0.00016	0.00012	0.00012	0.00012
0.00014	0.00021	0.00019	0.00013	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
11	8	19
11	8	20
11	8	21
11	8	22
11	8	23
11	8	24
11	9	1
11	9	2
11	9	3
11	9	4
11	9	5
11	9	6
11	9	7
11	9	8
11	9	9
11	9	10
11	9	11
11	9	12
11	9	13
11	9	14
11	9	15
11	9	16
11	9	17
11	9	18
11	9	19
11	9	20
11	9	21
11	9	22
11	9	23
11	9	24
11	10	1
11	10	2
11	10	3
11	10	4
11	10	5
11	10	6
11	10	7
11	10	8
11	10	9
11	10	10
11	10	11
11	10	12
11	10	13
11	10	14
11	10	15
11	10	16
11	10	17
11	10	18
11	10	19
11	10	20
11	10	21
11	10	22
11	10	23
11	10	24
11	11	1
11	11	2
11	11	3
11	11	4

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00011	0.00003	0.00013	0.00011	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00011	0.00014	0.00014	0.00011	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00012	0.00024	0.00020	0.00012	0.00013	0.00012
0.00012	0.00025	0.00020	0.00012	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00011	0.00014	0.00012
0.00013	0.00004	0.00011	0.00012	0.00012	0.00012
0.00014	0.00005	0.00009	0.00012	0.00011	0.00012
0.00014	0.00007	0.00010	0.00012	0.00010	0.00012
0.00015	0.00009	0.00011	0.00012	0.00010	0.00012
0.00016	0.00010	0.00012	0.00012	0.00010	0.00012
0.00016	0.00014	0.00014	0.00011	0.00011	0.00012
0.00015	0.00017	0.00016	0.00011	0.00012	0.00012
0.00016	0.00021	0.00019	0.00012	0.00012	0.00012
0.00015	0.00024	0.00020	0.00012	0.00013	0.00012
0.00014	0.00025	0.00020	0.00012	0.00014	0.00012
0.00014	0.00024	0.00018	0.00012	0.00014	0.00011
0.00013	0.00023	0.00017	0.00011	0.00015	0.00010
0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
0.00013	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00014	0.00024	0.00020	0.00013	0.00013	0.00012
0.00014	0.00025	0.00020	0.00013	0.00014	0.00012
0.00013	0.00024	0.00018	0.00012	0.00014	0.00011
0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
0.00012	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00011	0.00014	0.00012
0.00013	0.00004	0.00011	0.00012	0.00012	0.00012
0.00014	0.00005	0.00009	0.00012	0.00011	0.00012
0.00014	0.00007	0.00010	0.00012	0.00010	0.00012
0.00015	0.00009	0.00011	0.00012	0.00010	0.00012
0.00016	0.00010	0.00012	0.00012	0.00010	0.00012
0.00016	0.00014	0.00014	0.00011	0.00011	0.00012
0.00015	0.00017	0.00016	0.00011	0.00012	0.00012
0.00016	0.00021	0.00019	0.00012	0.00012	0.00012
0.00015	0.00024	0.00020	0.00012	0.00013	0.00012
0.00014	0.00025	0.00020	0.00012	0.00014	0.00012
0.00014	0.00024	0.00018	0.00012	0.00014	0.00011
0.00013	0.00023	0.00017	0.00011	0.00015	0.00010
0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
0.00013	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
0.00010	0.00001	0.00004	0.00008	0.00020	0.00010
0.00011	0.00002	0.00008	0.00009	0.00019	0.00011
0.00011	0.00003	0.00013	0.00009	0.00016	0.00012
0.00012	0.00003	0.00013	0.00010	0.00014	0.00012
0.00013	0.00004	0.00011	0.00010	0.00012	0.00012
0.00014	0.00005	0.00009	0.00010	0.00011	0.00012
0.00014	0.00007	0.00010	0.00010	0.00010	0.00012
0.00015	0.00009	0.00011	0.00010	0.00010	0.00012
0.00015	0.00010	0.00012	0.00010	0.00010	0.00012
0.00015	0.00014	0.00014	0.00010	0.00011	0.00012
0.00015	0.00017	0.00016	0.00010	0.00012	0.00012
0.00015	0.00021	0.00019	0.00011	0.00012	0.00012
0.00014	0.00024	0.00020	0.00011	0.00013	0.00012
0.00014	0.00025	0.00020	0.00011	0.00014	0.00012
0.00013	0.00024	0.00018	0.00011	0.00014	0.00011
0.00012	0.00023	0.00017	0.00010	0.00015	0.00010
0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
0.00013	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
11	11	5
11	11	6
11	11	7
11	11	8
11	11	9
11	11	10
11	11	11
11	11	12
11	11	13
11	11	14
11	11	15
11	11	16
11	11	17
11	11	18
11	11	19
11	11	20
11	11	21
11	11	22
11	11	23
11	11	24
11	12	1
11	12	2
11	12	3
11	12	4
11	12	5
11	12	6
11	12	7
11	12	8
11	12	9
11	12	10
11	12	11
11	12	12
11	12	13
11	12	14
11	12	15
11	12	16
11	12	17
11	12	18
11	12	19
11	12	20
11	12	21
11	12	22
11	12	23
11	12	24
11	13	1
11	13	2
11	13	3
11	13	4
11	13	5
11	13	6
11	13	7
11	13	8
11	13	9
11	13	10
11	13	11
11	13	12
11	13	13
11	13	14

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00008	0.00002	0.00002	0.00008	0.00020	0.00009
0.00008	0.00001	0.00004	0.00008	0.00020	0.00010
0.00008	0.00002	0.00008	0.00008	0.00019	0.00011
0.00009	0.00003	0.00013	0.00009	0.00016	0.00012
0.00009	0.00003	0.00013	0.00009	0.00014	0.00012
0.00010	0.00004	0.00011	0.00010	0.00012	0.00012
0.00010	0.00005	0.00009	0.00010	0.00011	0.00012
0.00010	0.00007	0.00010	0.00010	0.00010	0.00012
0.00010	0.00009	0.00011	0.00010	0.00010	0.00012
0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
0.00010	0.00014	0.00014	0.00010	0.00011	0.00012
0.00010	0.00017	0.00016	0.00010	0.00012	0.00012
0.00011	0.00021	0.00019	0.00011	0.00012	0.00012
0.00011	0.00024	0.00020	0.00011	0.00013	0.00012
0.00011	0.00025	0.00020	0.00011	0.00014	0.00012
0.00011	0.00024	0.00018	0.00011	0.00014	0.00011
0.00010	0.00023	0.00017	0.00010	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00008	0.00014	0.00009	0.00008	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00009	0.00001	0.00004	0.00009	0.00020	0.00010
0.00010	0.00002	0.00008	0.00010	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00011	0.00003	0.00013	0.00011	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
0.00010	0.00001	0.00004	0.00008	0.00020	0.00010
0.00010	0.00002	0.00008	0.00008	0.00019	0.00011
0.00011	0.00003	0.00013	0.00009	0.00016	0.00012
0.00012	0.00003	0.00013	0.00009	0.00014	0.00012
0.00012	0.00004	0.00011	0.00010	0.00012	0.00012
0.00013	0.00005	0.00009	0.00010	0.00011	0.00012
0.00013	0.00007	0.00010	0.00010	0.00010	0.00012
0.00014	0.00009	0.00011	0.00010	0.00010	0.00012
0.00014	0.00010	0.00012	0.00010	0.00010	0.00012
0.00014	0.00014	0.00014	0.00010	0.00011	0.00012
0.00014	0.00017	0.00016	0.00010	0.00012	0.00012
0.00014	0.00021	0.00019	0.00011	0.00012	0.00012
0.00014	0.00024	0.00020	0.00011	0.00013	0.00012
0.00013	0.00025	0.00020	0.00011	0.00014	0.00012
0.00012	0.00024	0.00018	0.00011	0.00014	0.00011
0.00012	0.00023	0.00017	0.00010	0.00015	0.00010
0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
0.00012	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
0.00009	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
0.00008	0.00001	0.00004	0.00010	0.00020	0.00010
0.00008	0.00002	0.00008	0.00011	0.00019	0.00011
0.00009	0.00003	0.00013	0.00011	0.00016	0.00012
0.00009	0.00003	0.00013	0.00012	0.00014	0.00012
0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
0.00011	0.00005	0.00009	0.00012	0.00011	0.00012
0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
0.00011	0.00009	0.00011	0.00012	0.00010	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	13	15	0.00013	0.00010	0.00012	0.00013	0.00010	0.00012	0.00012	0.00010	0.00012	0.00013	0.00010	0.00012
11	13	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
11	13	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
11	13	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
11	13	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
11	13	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00012	0.00025	0.00020	0.00013	0.00014	0.00012
11	13	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
11	13	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
11	13	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	13	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
11	14	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	14	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
11	14	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	14	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	14	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	14	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
11	14	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
11	14	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00010	0.00002	0.00008	0.00011	0.00019	0.00011
11	14	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
11	14	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
11	14	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
11	14	12	0.00013	0.00005	0.00009	0.00013	0.00011	0.00012	0.00013	0.00005	0.00009	0.00013	0.00011	0.00012
11	14	13	0.00013	0.00007	0.00010	0.00013	0.00010	0.00012	0.00013	0.00007	0.00010	0.00013	0.00010	0.00012
11	14	14	0.00013	0.00009	0.00011	0.00013	0.00010	0.00012	0.00013	0.00009	0.00011	0.00013	0.00010	0.00012
11	14	15	0.00013	0.00010	0.00012	0.00013	0.00010	0.00012	0.00014	0.00010	0.00012	0.00013	0.00010	0.00012
11	14	16	0.00013	0.00014	0.00014	0.00013	0.00011	0.00012	0.00014	0.00014	0.00014	0.00013	0.00011	0.00012
11	14	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00014	0.00017	0.00016	0.00012	0.00012	0.00012
11	14	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00014	0.00021	0.00019	0.00013	0.00012	0.00012
11	14	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00014	0.00024	0.00020	0.00013	0.00013	0.00012
11	14	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
11	14	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00013	0.00024	0.00018	0.00012	0.00014	0.00011
11	14	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
11	14	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00011	0.00022	0.00015	0.00010	0.00015	0.00009
11	14	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00012	0.00018	0.00013	0.00010	0.00016	0.00009
11	15	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	15	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
11	15	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	15	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	15	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	15	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
11	15	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
11	15	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00010	0.00002	0.00008	0.00011	0.00019	0.00011
11	15	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
11	15	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
11	15	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
11	15	12	0.00013	0.00005	0.00009	0.00013	0.00011	0.00012	0.00012	0.00005	0.00009	0.00013	0.00011	0.00012
11	15	13	0.00013	0.00007	0.00010	0.00013	0.00010	0.00012	0.00012	0.00007	0.00010	0.00013	0.00010	0.00012
11	15	14	0.00013	0.00009	0.00011	0.00013	0.00010	0.00012	0.00012	0.00009	0.00011	0.00013	0.00010	0.00012
11	15	15	0.00013	0.00010	0.00012	0.00013	0.00010	0.00012	0.00012	0.00010	0.00012	0.00013	0.00010	0.00012
11	15	16	0.00013	0.00014	0.00014	0.00013	0.00011	0.00012	0.00012	0.00014	0.00014	0.00013	0.00011	0.00012
11	15	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
11	15	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
11	15	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
11	15	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
11	15	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
11	15	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00011	0.00023	0.00017	0.00012	0.00015	0.00010
11	15	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00010	0.00022	0.00015	0.00011	0.00015	0.00009
11	15	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00011	0.00018	0.00013	0.00010	0.00016	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
11	16	1
11	16	2
11	16	3
11	16	4
11	16	5
11	16	6
11	16	7
11	16	8
11	16	9
11	16	10
11	16	11
11	16	12
11	16	13
11	16	14
11	16	15
11	16	16
11	16	17
11	16	18
11	16	19
11	16	20
11	16	21
11	16	22
11	16	23
11	16	24
11	17	1
11	17	2
11	17	3
11	17	4
11	17	5
11	17	6
11	17	7
11	17	8
11	17	9
11	17	10
11	17	11
11	17	12
11	17	13
11	17	14
11	17	15
11	17	16
11	17	17
11	17	18
11	17	19
11	17	20
11	17	21
11	17	22
11	17	23
11	17	24
11	18	1
11	18	2
11	18	3
11	18	4
11	18	5
11	18	6
11	18	7
11	18	8
11	18	9
11	18	10

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00012	0.00025	0.00020	0.00012	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00008	0.00002	0.00002	0.00008	0.00020	0.00009
0.00009	0.00001	0.00004	0.00009	0.00020	0.00010
0.00009	0.00002	0.00008	0.00009	0.00019	0.00011
0.00010	0.00003	0.00013	0.00010	0.00016	0.00012
0.00010	0.00003	0.00013	0.00010	0.00014	0.00012
0.00011	0.00004	0.00011	0.00011	0.00012	0.00012
0.00011	0.00005	0.00009	0.00011	0.00011	0.00012
0.00010	0.00007	0.00010	0.00010	0.00010	0.00012
0.00010	0.00009	0.00011	0.00010	0.00010	0.00012
0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
0.00010	0.00014	0.00014	0.00010	0.00011	0.00012
0.00010	0.00017	0.00016	0.00010	0.00012	0.00012
0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
0.00011	0.00024	0.00020	0.00011	0.00013	0.00012
0.00011	0.00025	0.00020	0.00011	0.00014	0.00012
0.00011	0.00024	0.00018	0.00011	0.00014	0.00011
0.00010	0.00023	0.00017	0.00010	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00009	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00008	0.00002	0.00002	0.00008	0.00020	0.00009
0.00008	0.00001	0.00004	0.00008	0.00020	0.00010
0.00009	0.00002	0.00008	0.00009	0.00019	0.00011
0.00009	0.00003	0.00013	0.00009	0.00016	0.00012
0.00010	0.00003	0.00013	0.00010	0.00014	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
0.00010	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
0.00011	0.00005	0.00009	0.00012	0.00011	0.00012
0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00012	0.00014	0.00012
0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00011	0.00018	0.00013	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
0.00010	0.00001	0.00004	0.00009	0.00020	0.00010
0.00011	0.00003	0.00013	0.00010	0.00019	0.00011
0.00011	0.00003	0.00013	0.00010	0.00016	0.00012
0.00011	0.00004	0.00011	0.00011	0.00012	0.00012
0.00011	0.00005	0.00009	0.00011	0.00011	0.00012
0.00011	0.00007	0.00010	0.00010	0.00010	0.00012
0.00011	0.00009	0.00011	0.00010	0.00010	0.00012
0.00012	0.00010	0.00012	0.00010	0.00010	0.00012
0.00012	0.00014	0.00014	0.00010	0.00011	0.00012
0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
0.00013	0.00024	0.00020	0.00011	0.00013	0.00012
0.00013	0.00025	0.00020	0.00011	0.00014	0.00012
0.00012	0.00024	0.00018	0.00011	0.00014	0.00011
0.00011	0.00023	0.00017	0.00010	0.00015	0.00010
0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
0.00010	0.00001	0.00004	0.00008	0.00020	0.00010
0.00010	0.00002	0.00008	0.00009	0.00019	0.00011
0.00011	0.00003	0.00013	0.00009	0.00016	0.00012
0.00011	0.00003	0.00013	0.00010	0.00014	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	18	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00011	0.00004	0.00011	0.00010	0.00012	0.00012
11	18	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00011	0.00005	0.00009	0.00010	0.00011	0.00012
11	18	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00012	0.00007	0.00010	0.00010	0.00010	0.00012
11	18	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00012	0.00009	0.00011	0.00010	0.00010	0.00012
11	18	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012
11	18	16	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012	0.00012	0.00014	0.00014	0.00010	0.00011	0.00012
11	18	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
11	18	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
11	18	19	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012	0.00013	0.00024	0.00020	0.00012	0.00013	0.00012
11	18	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012
11	18	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00012	0.00024	0.00018	0.00011	0.00014	0.00011
11	18	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
11	18	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	18	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	19	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00008	0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
11	19	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	19	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	19	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	19	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	19	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	19	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00009	0.00001	0.00004	0.00010	0.00020	0.00010
11	19	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00009	0.00002	0.00008	0.00011	0.00019	0.00011
11	19	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00010	0.00003	0.00013	0.00011	0.00016	0.00012
11	19	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00010	0.00003	0.00013	0.00012	0.00014	0.00012
11	19	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
11	19	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00010	0.00005	0.00009	0.00012	0.00011	0.00012
11	19	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00010	0.00007	0.00010	0.00012	0.00010	0.00012
11	19	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00010	0.00009	0.00011	0.00012	0.00010	0.00012
11	19	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
11	19	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00010	0.00014	0.00014	0.00012	0.00011	0.00012
11	19	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
11	19	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
11	19	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
11	19	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00011	0.00025	0.00020	0.00013	0.00014	0.00012
11	19	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00011	0.00024	0.00018	0.00012	0.00014	0.00011
11	19	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00011	0.00023	0.00017	0.00012	0.00015	0.00010
11	19	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	19	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
11	20	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	20	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
11	20	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	20	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	20	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00008	0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
11	20	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	20	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00008	0.00001	0.00004	0.00010	0.00020	0.00010
11	20	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00008	0.00002	0.00008	0.00011	0.00019	0.00011
11	20	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00009	0.00003	0.00013	0.00011	0.00016	0.00012
11	20	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00009	0.00003	0.00013	0.00012	0.00014	0.00012
11	20	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
11	20	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00010	0.00005	0.00009	0.00012	0.00011	0.00012
11	20	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00010	0.00007	0.00010	0.00012	0.00010	0.00012
11	20	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00010	0.00009	0.00011	0.00012	0.00010	0.00012
11	20	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
11	20	16	0.00011	0.00014	0.00014	0.00011	0.00011	0.00012	0.00010	0.00014	0.00014	0.00011	0.00011	0.00012
11	20	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
11	20	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
11	20	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
11	20	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	20	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00011	0.00024	0.00018	0.00012	0.00014	0.00011
11	20	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00011	0.00023	0.00017	0.00012	0.00015	0.00010
11	20	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00010	0.00022	0.00015	0.00011	0.00015	0.00009
11	20	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00009	0.00018	0.00013	0.00010	0.00016	0.00009
11	21	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00008	0.00014	0.00009	0.00009	0.00016	0.00008
11	21	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
11	21	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	21	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	21	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00008	0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
11	21	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
11	21	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010
11	21	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00010	0.00002	0.00008	0.00011	0.00019	0.00011
11	21	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012
11	21	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
11	21	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
11	21	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00011	0.00005	0.00009	0.00012	0.00011	0.00012
11	21	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
11	21	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00011	0.00009	0.00011	0.00012	0.00010	0.00012
11	21	15	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012	0.00011	0.00010	0.00012
11	21	16	0.00011	0.00014	0.00014	0.00011	0.00011	0.00012	0.00011	0.00014	0.00014	0.00011	0.00011	0.00012
11	21	17	0.00011	0.00017	0.00016	0.00011	0.00012	0.00012	0.00012	0.00017	0.00016	0.00011	0.00012	0.00012
11	21	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00013	0.00021	0.00019	0.00012	0.00012	0.00012
11	21	19	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012	0.00013	0.00024	0.00020	0.00012	0.00013	0.00012
11	21	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012
11	21	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
11	21	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
11	21	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00010	0.00022	0.00015	0.00011	0.00015	0.00009
11	21	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00011	0.00018	0.00013	0.00010	0.00016	0.00009
11	22	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	22	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	22	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	22	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	22	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	22	6	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009	0.00009	0.00002	0.00002	0.00008	0.00020	0.00009
11	22	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00010	0.00010	0.00001	0.00004	0.00009	0.00020	0.00010
11	22	8	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011	0.00010	0.00002	0.00008	0.00009	0.00019	0.00011
11	22	9	0.00009	0.00003	0.00013	0.00009	0.00016	0.00012	0.00011	0.00003	0.00013	0.00009	0.00016	0.00012
11	22	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00011	0.00003	0.00013	0.00010	0.00014	0.00012
11	22	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00011	0.00004	0.00011	0.00010	0.00012	0.00012
11	22	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00011	0.00005	0.00009	0.00010	0.00011	0.00012
11	22	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00011	0.00007	0.00010	0.00010	0.00010	0.00012
11	22	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00011	0.00009	0.00011	0.00010	0.00010	0.00012
11	22	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012
11	22	16	0.00009	0.00014	0.00014	0.00009	0.00011	0.00012	0.00011	0.00014	0.00014	0.00009	0.00011	0.00012
11	22	17	0.00009	0.00017	0.00016	0.00009	0.00012	0.00012	0.00012	0.00017	0.00016	0.00009	0.00012	0.00012
11	22	18	0.00010	0.00021	0.00019	0.00010	0.00012	0.00012	0.00013	0.00021	0.00019	0.00010	0.00012	0.00012
11	22	19	0.00010	0.00024	0.00020	0.00010	0.00013	0.00012	0.00013	0.00024	0.00020	0.00010	0.00013	0.00012
11	22	20	0.00010	0.00025	0.00020	0.00010	0.00014	0.00012	0.00012	0.00025	0.00020	0.00010	0.00014	0.00012
11	22	21	0.00010	0.00024	0.00018	0.00010	0.00014	0.00011	0.00012	0.00024	0.00018	0.00010	0.00014	0.00011
11	22	22	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010	0.00011	0.00023	0.00017	0.00010	0.00015	0.00010
11	22	23	0.00009	0.00022	0.00015	0.00009	0.00015	0.00009	0.00010	0.00022	0.00015	0.00009	0.00015	0.00009
11	22	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	23	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00008	0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
11	23	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	23	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	23	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	23	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	23	6	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009	0.00009	0.00002	0.00002	0.00008	0.00020	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	23	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00010	0.00010	0.00001	0.00004	0.00009	0.00020	0.00010
11	23	8	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011	0.00010	0.00002	0.00008	0.00009	0.00019	0.00011
11	23	9	0.00010	0.00003	0.00013	0.00010	0.00016	0.00012	0.00011	0.00003	0.00013	0.00010	0.00016	0.00012
11	23	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00011	0.00003	0.00013	0.00010	0.00014	0.00012
11	23	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00011	0.00004	0.00011	0.00010	0.00012	0.00012
11	23	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00011	0.00005	0.00009	0.00010	0.00011	0.00012
11	23	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00011	0.00007	0.00010	0.00010	0.00010	0.00012
11	23	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00011	0.00009	0.00011	0.00010	0.00010	0.00012
11	23	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00011	0.00010	0.00012	0.00010	0.00010	0.00012
11	23	16	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012	0.00011	0.00014	0.00014	0.00010	0.00011	0.00012
11	23	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00012	0.00017	0.00016	0.00010	0.00012	0.00012
11	23	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00013	0.00021	0.00019	0.00011	0.00012	0.00012
11	23	19	0.00011	0.00024	0.00020	0.00011	0.00013	0.00012	0.00013	0.00024	0.00020	0.00011	0.00013	0.00012
11	23	20	0.00011	0.00025	0.00020	0.00011	0.00014	0.00012	0.00012	0.00025	0.00020	0.00011	0.00014	0.00012
11	23	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00012	0.00024	0.00018	0.00011	0.00014	0.00011
11	23	22	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010	0.00011	0.00023	0.00017	0.00010	0.00015	0.00010
11	23	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	23	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00011	0.00018	0.00013	0.00009	0.00016	0.00009
11	24	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	24	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	24	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	24	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	24	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	24	6	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009
11	24	7	0.00009	0.00001	0.00004	0.00009	0.00020	0.00010	0.00008	0.00001	0.00004	0.00009	0.00020	0.00010
11	24	8	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011
11	24	9	0.00009	0.00003	0.00013	0.00009	0.00016	0.00012	0.00009	0.00003	0.00013	0.00009	0.00016	0.00012
11	24	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012
11	24	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012
11	24	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012
11	24	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012
11	24	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012
11	24	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
11	24	16	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012
11	24	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012
11	24	18	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012	0.00011	0.00021	0.00019	0.00011	0.00012	0.00012
11	24	19	0.00011	0.00024	0.00020	0.00011	0.00013	0.00012	0.00011	0.00024	0.00020	0.00011	0.00013	0.00012
11	24	20	0.00011	0.00025	0.00020	0.00011	0.00014	0.00012	0.00011	0.00025	0.00020	0.00011	0.00014	0.00012
11	24	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00010	0.00024	0.00018	0.00011	0.00014	0.00011
11	24	22	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010	0.00010	0.00023	0.00017	0.00010	0.00015	0.00010
11	24	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	24	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00010	0.00018	0.00013	0.00009	0.00016	0.00009
11	25	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00008	0.00014	0.00009	0.00009	0.00016	0.00008
11	25	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	25	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	25	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	25	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	25	6	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009	0.00008	0.00002	0.00002	0.00008	0.00020	0.00009
11	25	7	0.00008	0.00001	0.00004	0.00008	0.00020	0.00010	0.00009	0.00001	0.00004	0.00008	0.00020	0.00010
11	25	8	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011	0.00009	0.00002	0.00008	0.00009	0.00019	0.00011
11	25	9	0.00009	0.00003	0.00013	0.00009	0.00016	0.00012	0.00009	0.00003	0.00013	0.00009	0.00016	0.00012
11	25	10	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012	0.00010	0.00003	0.00013	0.00010	0.00014	0.00012
11	25	11	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012	0.00010	0.00004	0.00011	0.00010	0.00012	0.00012
11	25	12	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012	0.00010	0.00005	0.00009	0.00010	0.00011	0.00012
11	25	13	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012	0.00010	0.00007	0.00010	0.00010	0.00010	0.00012
11	25	14	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012	0.00010	0.00009	0.00011	0.00010	0.00010	0.00012
11	25	15	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012	0.00010	0.00010	0.00012
11	25	16	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012	0.00010	0.00014	0.00014	0.00010	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	25	17	0.00010	0.00017	0.00016	0.00010	0.00012	0.00012	0.00011	0.00017	0.00016	0.00010	0.00012	0.00012
11	25	18	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012	0.00012	0.00021	0.00019	0.00012	0.00012	0.00012
11	25	19	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012	0.00012	0.00024	0.00020	0.00012	0.00013	0.00012
11	25	20	0.00012	0.00025	0.00020	0.00012	0.00014	0.00012	0.00011	0.00025	0.00020	0.00012	0.00014	0.00012
11	25	21	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011	0.00011	0.00024	0.00018	0.00011	0.00014	0.00011
11	25	22	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010	0.00011	0.00023	0.00017	0.00011	0.00015	0.00010
11	25	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009	0.00010	0.00022	0.00015	0.00010	0.00015	0.00009
11	25	24	0.00009	0.00018	0.00013	0.00009	0.00016	0.00009	0.00010	0.00018	0.00013	0.00009	0.00016	0.00009
11	26	1	0.00008	0.00014	0.00009	0.00008	0.00016	0.00008	0.00009	0.00014	0.00009	0.00008	0.00016	0.00008
11	26	2	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008	0.00008	0.00010	0.00007	0.00008	0.00017	0.00008
11	26	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	26	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	26	5	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008	0.00008	0.00003	0.00002	0.00008	0.00020	0.00008
11	26	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	26	7	0.00010	0.00001	0.00004	0.00010	0.00020	0.00010	0.00009	0.00001	0.00004	0.00010	0.00020	0.00010
11	26	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00009	0.00002	0.00008	0.00011	0.00019	0.00011
11	26	9	0.00011	0.00003	0.00013	0.00011	0.00016	0.00012	0.00009	0.00003	0.00013	0.00011	0.00016	0.00012
11	26	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00010	0.00003	0.00013	0.00012	0.00014	0.00012
11	26	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
11	26	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00010	0.00005	0.00009	0.00012	0.00011	0.00012
11	26	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00010	0.00007	0.00010	0.00012	0.00010	0.00012
11	26	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00011	0.00009	0.00011	0.00012	0.00010	0.00012
11	26	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
11	26	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00011	0.00014	0.00014	0.00012	0.00011	0.00012
11	26	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
11	26	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
11	26	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
11	26	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00012	0.00025	0.00020	0.00013	0.00014	0.00012
11	26	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011
11	26	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00011	0.00023	0.00017	0.00012	0.00015	0.00010
11	26	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00010	0.00022	0.00015	0.00011	0.00015	0.00009
11	26	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
11	27	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	27	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008
11	27	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008	0.00008	0.00007	0.00005	0.00008	0.00018	0.00008
11	27	4	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008	0.00008	0.00005	0.00003	0.00008	0.00019	0.00008
11	27	5	0.00009	0.00003	0.00002	0.00009	0.00020	0.00008	0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
11	27	6	0.00009	0.00002	0.00002	0.00009	0.00020	0.00009	0.00008	0.00002	0.00002	0.00009	0.00020	0.00009
11	27	7	0.00011	0.00001	0.00004	0.00011	0.00020	0.00010	0.00008	0.00001	0.00004	0.00011	0.00020	0.00010
11	27	8	0.00011	0.00002	0.00008	0.00011	0.00019	0.00011	0.00009	0.00002	0.00008	0.00011	0.00019	0.00011
11	27	9	0.00012	0.00003	0.00013	0.00012	0.00016	0.00012	0.00009	0.00003	0.00013	0.00012	0.00016	0.00012
11	27	10	0.00012	0.00003	0.00013	0.00012	0.00014	0.00012	0.00010	0.00003	0.00013	0.00012	0.00014	0.00012
11	27	11	0.00012	0.00004	0.00011	0.00012	0.00012	0.00012	0.00010	0.00004	0.00011	0.00012	0.00012	0.00012
11	27	12	0.00012	0.00005	0.00009	0.00012	0.00011	0.00012	0.00010	0.00005	0.00009	0.00012	0.00011	0.00012
11	27	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00010	0.00007	0.00010	0.00012	0.00010	0.00012
11	27	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00010	0.00009	0.00011	0.00012	0.00010	0.00012
11	27	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00010	0.00010	0.00012	0.00012	0.00010	0.00012
11	27	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00010	0.00014	0.00014	0.00012	0.00011	0.00012
11	27	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00011	0.00017	0.00016	0.00012	0.00012	0.00012
11	27	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00012	0.00021	0.00019	0.00013	0.00012	0.00012
11	27	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00012	0.00024	0.00020	0.00013	0.00013	0.00012
11	27	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00012	0.00025	0.00020	0.00013	0.00014	0.00012
11	27	21	0.00013	0.00024	0.00018	0.00013	0.00014	0.00011	0.00012	0.00024	0.00018	0.00013	0.00014	0.00011
11	27	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00011	0.00023	0.00017	0.00012	0.00015	0.00010
11	27	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00010	0.00022	0.00015	0.00011	0.00015	0.00009
11	27	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
11	28	1	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008	0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
11	28	2	0.00009	0.00010	0.00007	0.00009	0.00017	0.00008	0.00008	0.00010	0.00007	0.00009	0.00017	0.00008

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
11	28	3
11	28	4
11	28	5
11	28	6
11	28	7
11	28	8
11	28	9
11	28	10
11	28	11
11	28	12
11	28	13
11	28	14
11	28	15
11	28	16
11	28	17
11	28	18
11	28	19
11	28	20
11	28	21
11	28	22
11	28	23
11	28	24
11	29	1
11	29	2
11	29	3
11	29	4
11	29	5
11	29	6
11	29	7
11	29	8
11	29	9
11	29	10
11	29	11
11	29	12
11	29	13
11	29	14
11	29	15
11	29	16
11	29	17
11	29	18
11	29	19
11	29	20
11	29	21
11	29	22
11	29	23
11	29	24
11	30	1
11	30	2
11	30	3
11	30	4
11	30	5
11	30	6
11	30	7
11	30	8
11	30	9
11	30	10
11	30	11
11	30	12

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00019	0.00008
0.00009	0.00003	0.00002	0.00009	0.00020	0.00008
0.00010	0.00002	0.00002	0.00010	0.00020	0.00009
0.00011	0.00001	0.00004	0.00011	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00012	0.00003	0.00013	0.00012	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00013	0.00024	0.00018	0.00013	0.00014	0.00011
0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
0.00011	0.00022	0.00015	0.00011	0.00015	0.00009
0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00019	0.00008
0.00009	0.00003	0.00002	0.00009	0.00020	0.00008
0.00009	0.00002	0.00002	0.00010	0.00020	0.00009
0.00011	0.00001	0.00004	0.00011	0.00020	0.00010
0.00012	0.00002	0.00008	0.00012	0.00019	0.00011
0.00012	0.00003	0.00013	0.00012	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012
0.00012	0.00007	0.00010	0.00012	0.00010	0.00012
0.00012	0.00009	0.00011	0.00012	0.00010	0.00012
0.00012	0.00010	0.00012	0.00012	0.00010	0.00012
0.00012	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00013	0.00024	0.00018	0.00013	0.00014	0.00011
0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
0.00011	0.00022	0.00015	0.00011	0.00015	0.00009
0.00010	0.00018	0.00013	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00019	0.00008
0.00009	0.00003	0.00002	0.00009	0.00020	0.00008
0.00009	0.00002	0.00002	0.00009	0.00020	0.00009
0.00011	0.00001	0.00004	0.00011	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00012	0.00003	0.00013	0.00012	0.00016	0.00012
0.00012	0.00003	0.00013	0.00012	0.00014	0.00012
0.00012	0.00004	0.00011	0.00012	0.00012	0.00012
0.00012	0.00005	0.00009	0.00012	0.00011	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00008	0.00007	0.00005	0.00009	0.00018	0.00008
0.00008	0.00005	0.00003	0.00009	0.00019	0.00008
0.00008	0.00003	0.00002	0.00009	0.00020	0.00008
0.00009	0.00002	0.00002	0.00010	0.00020	0.00009
0.00010	0.00001	0.00004	0.00011	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00012	0.00016	0.00012
0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
0.00011	0.00005	0.00009	0.00012	0.00011	0.00012
0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
0.00011	0.00009	0.00011	0.00012	0.00010	0.00012
0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
0.00011	0.00014	0.00014	0.00012	0.00011	0.00012
0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
0.00013	0.00024	0.00018	0.00013	0.00014	0.00011
0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
0.00011	0.00022	0.00015	0.00011	0.00015	0.00009
0.00011	0.00018	0.00013	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00016	0.00008
0.00009	0.00010	0.00007	0.00009	0.00017	0.00008
0.00009	0.00007	0.00005	0.00009	0.00018	0.00008
0.00009	0.00005	0.00003	0.00009	0.00019	0.00008
0.00009	0.00003	0.00002	0.00009	0.00020	0.00008
0.00010	0.00002	0.00002	0.00009	0.00020	0.00009
0.00011	0.00001	0.00004	0.00011	0.00020	0.00010
0.00011	0.00002	0.00008	0.00011	0.00019	0.00011
0.00011	0.00003	0.00013	0.00012	0.00016	0.00012
0.00011	0.00003	0.00013	0.00012	0.00014	0.00012
0.00011	0.00004	0.00011	0.00012	0.00012	0.00012
0.00011	0.00005	0.00009	0.00012	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
11	30	13	0.00012	0.00007	0.00010	0.00012	0.00010	0.00012	0.00011	0.00007	0.00010	0.00012	0.00010	0.00012
11	30	14	0.00012	0.00009	0.00011	0.00012	0.00010	0.00012	0.00011	0.00009	0.00011	0.00012	0.00010	0.00012
11	30	15	0.00012	0.00010	0.00012	0.00012	0.00010	0.00012	0.00011	0.00010	0.00012	0.00012	0.00010	0.00012
11	30	16	0.00012	0.00014	0.00014	0.00012	0.00011	0.00012	0.00011	0.00014	0.00014	0.00012	0.00011	0.00012
11	30	17	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012	0.00012	0.00017	0.00016	0.00012	0.00012	0.00012
11	30	18	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012	0.00013	0.00021	0.00019	0.00013	0.00012	0.00012
11	30	19	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012	0.00013	0.00024	0.00020	0.00013	0.00013	0.00012
11	30	20	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012	0.00013	0.00025	0.00020	0.00013	0.00014	0.00012
11	30	21	0.00012	0.00024	0.00018	0.00012	0.00014	0.00011	0.00013	0.00024	0.00018	0.00012	0.00014	0.00011
11	30	22	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010	0.00012	0.00023	0.00017	0.00012	0.00015	0.00010
11	30	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009	0.00011	0.00022	0.00015	0.00011	0.00015	0.00009
11	30	24	0.00010	0.00018	0.00013	0.00010	0.00016	0.00009	0.00011	0.00018	0.00013	0.00010	0.00016	0.00009
12	1	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	1	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	1	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	1	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	1	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	1	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	1	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00011	0.00001	0.00004	0.00009	0.00021	0.00011
12	1	8	0.00010	0.00001	0.00009	0.00010	0.00021	0.00011	0.00011	0.00001	0.00009	0.00010	0.00021	0.00011
12	1	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	1	10	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012	0.00012	0.00003	0.00014	0.00011	0.00016	0.00012
12	1	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00012	0.00004	0.00011	0.00011	0.00013	0.00012
12	1	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012
12	1	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012
12	1	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	1	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	1	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	1	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00012	0.00017	0.00016	0.00011	0.00013	0.00013
12	1	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
12	1	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
12	1	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00013	0.00026	0.00020	0.00012	0.00014	0.00013
12	1	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
12	1	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	1	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	1	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	2	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	2	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	2	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	2	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	2	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00009	0.00003	0.00002	0.00008	0.00018	0.00009
12	2	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
12	2	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00011	0.00001	0.00004	0.00009	0.00021	0.00011
12	2	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00011	0.00001	0.00009	0.00009	0.00021	0.00011
12	2	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	2	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00011	0.00003	0.00014	0.00010	0.00016	0.00012
12	2	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
12	2	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00011	0.00005	0.00010	0.00010	0.00012	0.00012
12	2	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
12	2	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	2	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	2	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	2	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00012	0.00017	0.00016	0.00011	0.00013	0.00013
12	2	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
12	2	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013
12	2	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	2	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
12	2	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00012	0.00023	0.00017	0.00011	0.00014	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	2	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00010	0.00011	0.00022	0.00015	0.00010	0.00015	0.00010
12	2	24	0.00009	0.00018	0.00012	0.00009	0.00016	0.00009	0.00011	0.00018	0.00012	0.00009	0.00016	0.00009
12	3	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	3	2	0.00008	0.00010	0.00006	0.00008	0.00017	0.00009	0.00009	0.00010	0.00006	0.00008	0.00017	0.00009
12	3	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	3	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	3	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	3	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	3	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
12	3	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00010	0.00001	0.00009	0.00011	0.00021	0.00011
12	3	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00010	0.00003	0.00014	0.00011	0.00019	0.00012
12	3	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012
12	3	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	3	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	3	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
12	3	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	3	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00010	0.00010	0.00012	0.00012	0.00011	0.00012
12	3	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
12	3	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	3	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00012	0.00022	0.00019	0.00013	0.00013	0.00013
12	3	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00012	0.00025	0.00021	0.00013	0.00014	0.00013
12	3	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00012	0.00026	0.00020	0.00013	0.00014	0.00013
12	3	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00012	0.00025	0.00018	0.00013	0.00014	0.00012
12	3	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	3	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	3	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	4	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	4	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	4	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	4	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	4	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	4	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	4	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00009	0.00001	0.00004	0.00011	0.00021	0.00011
12	4	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00009	0.00001	0.00009	0.00011	0.00021	0.00011
12	4	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00010	0.00003	0.00014	0.00011	0.00019	0.00012
12	4	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00010	0.00003	0.00014	0.00012	0.00016	0.00012
12	4	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
12	4	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
12	4	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
12	4	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	4	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00010	0.00010	0.00012	0.00012	0.00011	0.00012
12	4	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
12	4	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	4	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00012	0.00022	0.00019	0.00013	0.00013	0.00013
12	4	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00013	0.00025	0.00021	0.00014	0.00014	0.00013
12	4	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00012	0.00026	0.00020	0.00013	0.00014	0.00013
12	4	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00012	0.00025	0.00018	0.00013	0.00014	0.00012
12	4	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00011	0.00023	0.00017	0.00012	0.00014	0.00011
12	4	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00010	0.00022	0.00015	0.00011	0.00015	0.00010
12	4	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	5	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	5	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00008	0.00010	0.00006	0.00009	0.00017	0.00009
12	5	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009
12	5	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	5	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	5	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	5	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00011	0.00001	0.00004	0.00010	0.00021	0.00011
12	5	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh)						Active Shapes					
			Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	5	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012
12	5	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	5	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	5	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	5	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	5	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	5	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	5	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00011	0.00013	0.00014	0.00012	0.00011	0.00012
12	5	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	5	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013
12	5	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00014	0.00025	0.00021	0.00013	0.00014	0.00013
12	5	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00014	0.00026	0.00020	0.00013	0.00014	0.00013
12	5	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	5	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	5	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	5	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	6	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	6	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	6	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009
12	6	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	6	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	6	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	6	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00011	0.00001	0.00004	0.00010	0.00021	0.00011
12	6	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011
12	6	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00011	0.00003	0.00014	0.00012	0.00019	0.00012
12	6	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	6	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	6	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	6	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
12	6	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	6	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	6	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
12	6	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	6	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013
12	6	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013
12	6	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00014	0.00026	0.00020	0.00013	0.00014	0.00013
12	6	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	6	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	6	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	6	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	7	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	7	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	7	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	7	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	7	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	7	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
12	7	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00011	0.00001	0.00004	0.00010	0.00021	0.00011
12	7	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011
12	7	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00012	0.00003	0.00014	0.00011	0.00019	0.00012
12	7	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	7	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	7	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	7	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	7	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	7	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012
12	7	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00011	0.00011	0.00012
12	7	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	7	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	7	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00014	0.00025	0.00021	0.00013	0.00014	0.00013
12	7	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00014	0.00026	0.00020	0.00013	0.00014	0.00013
12	7	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	7	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00013	0.00023	0.00017	0.00012	0.00014	0.00011
12	7	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	7	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	8	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	8	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	8	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	8	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	8	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	8	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
12	8	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00011	0.00001	0.00004	0.00009	0.00021	0.00011
12	8	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00011	0.00001	0.00009	0.00009	0.00021	0.00011
12	8	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	8	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00012	0.00003	0.00014	0.00010	0.00016	0.00012
12	8	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00012	0.00004	0.00011	0.00011	0.00013	0.00012
12	8	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00012	0.00005	0.00010	0.00011	0.00012	0.00012
12	8	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
12	8	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	8	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	8	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	8	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00012	0.00017	0.00016	0.00011	0.00013	0.00013
12	8	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00014	0.00022	0.00019	0.00012	0.00013	0.00013
12	8	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00014	0.00025	0.00021	0.00012	0.00014	0.00013
12	8	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00014	0.00026	0.00020	0.00012	0.00014	0.00013
12	8	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
12	8	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	8	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	8	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	9	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	9	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	9	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	9	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	9	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00009	0.00003	0.00002	0.00008	0.00018	0.00009
12	9	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	9	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00011	0.00001	0.00004	0.00009	0.00021	0.00011
12	9	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00011	0.00001	0.00009	0.00009	0.00021	0.00011
12	9	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	9	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00011	0.00003	0.00014	0.00010	0.00016	0.00012
12	9	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
12	9	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00012	0.00005	0.00010	0.00010	0.00012	0.00012
12	9	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00012	0.00007	0.00010	0.00010	0.00011	0.00012
12	9	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00012	0.00009	0.00011	0.00010	0.00011	0.00012
12	9	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00012	0.00010	0.00012	0.00010	0.00011	0.00012
12	9	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014	0.00010	0.00011	0.00012
12	9	17	0.00010	0.00017	0.00016	0.00010	0.00013	0.00013	0.00012	0.00017	0.00016	0.00010	0.00013	0.00013
12	9	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00014	0.00022	0.00019	0.00012	0.00013	0.00013
12	9	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00014	0.00025	0.00021	0.00013	0.00014	0.00013
12	9	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	9	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	9	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	9	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	9	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	10	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	10	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	10	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	10	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	10	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	10	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	10	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00009	0.00001	0.00004	0.00011	0.00021	0.00011
12	10	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00010	0.00001	0.00009	0.00012	0.00021	0.00011
12	10	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00010	0.00003	0.00014	0.00012	0.00019	0.00012
12	10	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00010	0.00003	0.00014	0.00012	0.00016	0.00012
12	10	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	10	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	10	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	10	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	10	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00010	0.00010	0.00012	0.00011	0.00011	0.00012
12	10	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
12	10	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	10	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00013	0.00022	0.00019	0.00014	0.00013	0.00013
12	10	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00013	0.00025	0.00021	0.00014	0.00014	0.00013
12	10	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00012	0.00026	0.00020	0.00014	0.00014	0.00013
12	10	21	0.00014	0.00025	0.00018	0.00014	0.00014	0.00012	0.00012	0.00025	0.00018	0.00014	0.00014	0.00012
12	10	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	10	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	10	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	11	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	11	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	11	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	11	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	11	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	11	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00008	0.00002	0.00002	0.00010	0.00019	0.00010
12	11	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00008	0.00001	0.00004	0.00011	0.00021	0.00011
12	11	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00009	0.00001	0.00009	0.00012	0.00021	0.00011
12	11	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00009	0.00003	0.00014	0.00012	0.00019	0.00012
12	11	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00010	0.00003	0.00014	0.00012	0.00016	0.00012
12	11	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00010	0.00004	0.00011	0.00012	0.00013	0.00012
12	11	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00010	0.00005	0.00010	0.00012	0.00012	0.00012
12	11	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
12	11	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	11	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00010	0.00010	0.00012	0.00012	0.00011	0.00012
12	11	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
12	11	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	11	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00012	0.00022	0.00019	0.00014	0.00013	0.00013
12	11	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00013	0.00025	0.00021	0.00014	0.00014	0.00013
12	11	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00013	0.00026	0.00020	0.00014	0.00014	0.00013
12	11	21	0.00014	0.00025	0.00018	0.00014	0.00014	0.00012	0.00012	0.00025	0.00018	0.00014	0.00014	0.00012
12	11	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	11	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	11	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	12	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	12	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00008	0.00010	0.00006	0.00009	0.00017	0.00009
12	12	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	12	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	12	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	12	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	12	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00010	0.00001	0.00004	0.00011	0.00021	0.00011
12	12	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00011	0.00001	0.00009	0.00012	0.00021	0.00011
12	12	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00011	0.00003	0.00014	0.00012	0.00019	0.00012
12	12	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012
12	12	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	12	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	12	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	12	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	12	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	12	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
12	12	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	12	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013
12	12	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013
12	12	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013
12	12	21	0.00014	0.00025	0.00018	0.00014	0.00014	0.00012	0.00013	0.00025	0.00018	0.00014	0.00014	0.00012
12	12	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	12	23	0.00012	0.00022	0.00015	0.00012	0.00015	0.00010	0.00011	0.00022	0.00015	0.00012	0.00015	0.00010
12	12	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	13	1	0.00010	0.00014	0.00009	0.00010	0.00017	0.00009	0.00009	0.00014	0.00009	0.00010	0.00017	0.00009
12	13	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	13	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	13	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	13	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	13	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	13	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011
12	13	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00011	0.00001	0.00009	0.00012	0.00021	0.00011
12	13	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012
12	13	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	13	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	13	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	13	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
12	13	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012
12	13	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012
12	13	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00011	0.00011	0.00012
12	13	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	13	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013
12	13	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013
12	13	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00013	0.00026	0.00020	0.00014	0.00014	0.00013
12	13	21	0.00014	0.00025	0.00018	0.00014	0.00014	0.00012	0.00013	0.00025	0.00018	0.00014	0.00014	0.00012
12	13	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	13	23	0.00012	0.00022	0.00015	0.00012	0.00015	0.00010	0.00011	0.00022	0.00015	0.00012	0.00015	0.00010
12	13	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	14	1	0.00010	0.00014	0.00009	0.00010	0.00017	0.00009	0.00009	0.00014	0.00009	0.00010	0.00017	0.00009
12	14	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	14	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	14	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	14	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	14	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	14	7	0.00012	0.00001	0.00004	0.00012	0.00021	0.00011	0.00011	0.00001	0.00004	0.00012	0.00021	0.00011
12	14	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00011	0.00001	0.00009	0.00012	0.00021	0.00011
12	14	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00011	0.00003	0.00014	0.00012	0.00019	0.00012
12	14	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012
12	14	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	14	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	14	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	14	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	14	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012
12	14	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
12	14	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	14	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013
12	14	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00014	0.00025	0.00021	0.00013	0.00014	0.00013
12	14	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	14	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	14	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	14	23	0.00012	0.00022	0.00015	0.00012	0.00015	0.00010	0.00011	0.00022	0.00015	0.00012	0.00015	0.00010
12	14	24	0.00011	0.00018	0.00012	0.00011	0.00016	0.00009	0.00011	0.00018	0.00012	0.00011	0.00016	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	15	1	0.00010	0.00014	0.00009	0.00010	0.00017	0.00009	0.00009	0.00014	0.00009	0.00010	0.00017	0.00009
12	15	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	15	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	15	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	15	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	15	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	15	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
12	15	8	0.00010	0.00001	0.00009	0.00010	0.00021	0.00011	0.00011	0.00001	0.00009	0.00010	0.00021	0.00011
12	15	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012
12	15	10	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012
12	15	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00012	0.00004	0.00011	0.00011	0.00013	0.00012
12	15	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00012	0.00005	0.00010	0.00011	0.00012	0.00012
12	15	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00012	0.00007	0.00010	0.00010	0.00011	0.00012
12	15	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00012	0.00009	0.00011	0.00010	0.00011	0.00012
12	15	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00012	0.00010	0.00012	0.00010	0.00011	0.00012
12	15	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00012	0.00013	0.00014	0.00010	0.00011	0.00012
12	15	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00013	0.00017	0.00016	0.00011	0.00013	0.00013
12	15	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00014	0.00022	0.00019	0.00012	0.00013	0.00013
12	15	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00014	0.00025	0.00021	0.00012	0.00014	0.00013
12	15	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00013	0.00026	0.00020	0.00012	0.00014	0.00013
12	15	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
12	15	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	15	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	15	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	16	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	16	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	16	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	16	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	16	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	16	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	16	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00010	0.00001	0.00004	0.00009	0.00021	0.00011
12	16	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00011	0.00001	0.00009	0.00009	0.00021	0.00011
12	16	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	16	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00012	0.00003	0.00014	0.00010	0.00016	0.00012
12	16	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00012	0.00004	0.00011	0.00010	0.00013	0.00012
12	16	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00011	0.00005	0.00010	0.00010	0.00012	0.00012
12	16	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
12	16	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	16	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	16	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	16	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00012	0.00017	0.00016	0.00011	0.00013	0.00013
12	16	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013
12	16	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013
12	16	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	16	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	16	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	16	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00012	0.00022	0.00015	0.00011	0.00015	0.00010
12	16	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	17	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	17	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	17	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	17	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	17	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	17	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	17	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00010	0.00001	0.00004	0.00011	0.00021	0.00011
12	17	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00010	0.00001	0.00009	0.00012	0.00021	0.00011
12	17	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00011	0.00003	0.00014	0.00012	0.00019	0.00012
12	17	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	17	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	17	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	17	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00010	0.00007	0.00010	0.00012	0.00011	0.00012
12	17	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	17	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00010	0.00010	0.00012	0.00012	0.00011	0.00012
12	17	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
12	17	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	17	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00013	0.00022	0.00019	0.00014	0.00013	0.00013
12	17	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00013	0.00025	0.00021	0.00014	0.00014	0.00013
12	17	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00013	0.00026	0.00020	0.00014	0.00014	0.00013
12	17	21	0.00014	0.00025	0.00018	0.00014	0.00014	0.00012	0.00013	0.00025	0.00018	0.00014	0.00014	0.00012
12	17	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	17	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00012	0.00022	0.00015	0.00011	0.00015	0.00010
12	17	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	18	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	18	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00010	0.00010	0.00006	0.00009	0.00017	0.00009
12	18	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	18	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	18	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	18	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	18	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00010	0.00001	0.00004	0.00011	0.00021	0.00011
12	18	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00010	0.00001	0.00009	0.00012	0.00021	0.00011
12	18	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00010	0.00003	0.00014	0.00012	0.00019	0.00012
12	18	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00010	0.00003	0.00014	0.00012	0.00016	0.00012
12	18	11	0.00013	0.00004	0.00011	0.00013	0.00013	0.00012	0.00010	0.00004	0.00011	0.00013	0.00013	0.00012
12	18	12	0.00013	0.00005	0.00010	0.00013	0.00012	0.00012	0.00010	0.00005	0.00010	0.00013	0.00012	0.00012
12	18	13	0.00013	0.00007	0.00010	0.00013	0.00011	0.00012	0.00010	0.00007	0.00010	0.00013	0.00011	0.00012
12	18	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00010	0.00009	0.00011	0.00012	0.00011	0.00012
12	18	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00010	0.00010	0.00012	0.00012	0.00011	0.00012
12	18	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00010	0.00013	0.00014	0.00012	0.00011	0.00012
12	18	17	0.00013	0.00017	0.00016	0.00013	0.00013	0.00013	0.00011	0.00017	0.00016	0.00013	0.00013	0.00013
12	18	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00013	0.00022	0.00019	0.00014	0.00013	0.00013
12	18	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00013	0.00025	0.00021	0.00014	0.00014	0.00013
12	18	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00013	0.00026	0.00020	0.00014	0.00014	0.00013
12	18	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	18	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	18	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	18	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	19	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	19	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	19	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	19	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	19	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	19	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010
12	19	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011
12	19	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011
12	19	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012
12	19	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	19	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	19	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	19	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
12	19	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	19	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	19	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00011	0.00013	0.00014	0.00012	0.00011	0.00012
12	19	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	19	18	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013	0.00014	0.00022	0.00019	0.00014	0.00013	0.00013
12	19	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013
12	19	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	19	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00014	0.00025	0.00018	0.00013	0.00014	0.00012
12	19	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011
12	19	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00012	0.00022	0.00015	0.00011	0.00015	0.00010
12	19	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	20	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	20	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	20	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	20	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	20	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	20	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00010	0.00002	0.00002	0.00009	0.00019	0.00010
12	20	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011
12	20	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011
12	20	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012
12	20	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	20	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	20	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	20	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	20	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	20	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	20	16	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012	0.00012	0.00013	0.00014	0.00012	0.00011	0.00012
12	20	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	20	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013
12	20	19	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013	0.00014	0.00025	0.00021	0.00014	0.00014	0.00013
12	20	20	0.00014	0.00026	0.00020	0.00014	0.00014	0.00013	0.00013	0.00026	0.00020	0.00014	0.00014	0.00013
12	20	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	20	22	0.00013	0.00023	0.00017	0.00013	0.00014	0.00011	0.00012	0.00023	0.00017	0.00013	0.00014	0.00011
12	20	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	20	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	21	1	0.00010	0.00014	0.00009	0.00010	0.00017	0.00009	0.00009	0.00014	0.00009	0.00010	0.00017	0.00009
12	21	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	21	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	21	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	21	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
12	21	6	0.00010	0.00002	0.00002	0.00010	0.00019	0.00010	0.00009	0.00002	0.00002	0.00010	0.00019	0.00010
12	21	7	0.00011	0.00001	0.00004	0.00011	0.00021	0.00011	0.00010	0.00001	0.00004	0.00011	0.00021	0.00011
12	21	8	0.00012	0.00001	0.00009	0.00012	0.00021	0.00011	0.00011	0.00001	0.00009	0.00012	0.00021	0.00011
12	21	9	0.00012	0.00003	0.00014	0.00012	0.00019	0.00012	0.00011	0.00003	0.00014	0.00012	0.00019	0.00012
12	21	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012
12	21	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012
12	21	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012
12	21	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012
12	21	14	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012	0.00012	0.00009	0.00011	0.00011	0.00011	0.00012
12	21	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00012	0.00010	0.00012	0.00011	0.00011	0.00012
12	21	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00012	0.00013	0.00014	0.00011	0.00011	0.00012
12	21	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013
12	21	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00014	0.00022	0.00019	0.00013	0.00013	0.00013
12	21	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00014	0.00025	0.00021	0.00013	0.00014	0.00013
12	21	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00014	0.00026	0.00020	0.00013	0.00014	0.00013
12	21	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	21	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	21	23	0.00012	0.00022	0.00015	0.00012	0.00015	0.00010	0.00011	0.00022	0.00015	0.00012	0.00015	0.00010
12	21	24	0.00011	0.00018	0.00012	0.00011	0.00016	0.00009	0.00011	0.00018	0.00012	0.00011	0.00016	0.00009
12	22	1	0.00010	0.00014	0.00009	0.00010	0.00017	0.00009	0.00009	0.00014	0.00009	0.00010	0.00017	0.00009
12	22	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	22	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	22	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	22	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	22	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
12	22	7
12	22	8
12	22	9
12	22	10
12	22	11
12	22	12
12	22	13
12	22	14
12	22	15
12	22	16
12	22	17
12	22	18
12	22	19
12	22	20
12	22	21
12	22	22
12	22	23
12	22	24
12	23	1
12	23	2
12	23	3
12	23	4
12	23	5
12	23	6
12	23	7
12	23	8
12	23	9
12	23	10
12	23	11
12	23	12
12	23	13
12	23	14
12	23	15
12	23	16
12	23	17
12	23	18
12	23	19
12	23	20
12	23	21
12	23	22
12	23	23
12	23	24
12	24	1
12	24	2
12	24	3
12	24	4
12	24	5
12	24	6
12	24	7
12	24	8
12	24	9
12	24	10
12	24	11
12	24	12
12	24	13
12	24	14
12	24	15
12	24	16

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
0.00010	0.00001	0.00009	0.00010	0.00021	0.00011
0.00010	0.00003	0.00014	0.00010	0.00019	0.00012
0.00011	0.00003	0.00014	0.00011	0.00016	0.00012
0.00011	0.00004	0.00011	0.00011	0.00013	0.00012
0.00011	0.00005	0.00010	0.00011	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00011	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012
0.00011	0.00017	0.00016	0.00011	0.00013	0.00013
0.00012	0.00022	0.00019	0.00012	0.00013	0.00013
0.00012	0.00025	0.00021	0.00012	0.00014	0.00013
0.00012	0.00026	0.00020	0.00012	0.00014	0.00013
0.00012	0.00025	0.00018	0.00012	0.00014	0.00012
0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00021	0.00011
0.00009	0.00001	0.00009	0.00009	0.00021	0.00011
0.00010	0.00003	0.00014	0.00010	0.00019	0.00012
0.00010	0.00003	0.00014	0.00010	0.00016	0.00012
0.00010	0.00004	0.00011	0.00010	0.00013	0.00012
0.00010	0.00005	0.00010	0.00010	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00011	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012
0.00010	0.00017	0.00016	0.00010	0.00013	0.00013
0.00012	0.00022	0.00019	0.00012	0.00013	0.00013
0.00012	0.00025	0.00021	0.00012	0.00014	0.00013
0.00012	0.00026	0.00020	0.00012	0.00014	0.00013
0.00012	0.00025	0.00018	0.00012	0.00014	0.00012
0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
0.00008	0.00010	0.00006	0.00008	0.00017	0.00009
0.00008	0.00007	0.00005	0.00008	0.00018	0.00009
0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
0.00008	0.00003	0.00002	0.00008	0.00018	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00021	0.00011
0.00009	0.00001	0.00009	0.00009	0.00021	0.00011
0.00010	0.00003	0.00014	0.00010	0.00019	0.00012
0.00010	0.00003	0.00014	0.00010	0.00016	0.00012
0.00011	0.00004	0.00011	0.00011	0.00013	0.00012
0.00011	0.00005	0.00010	0.00011	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00011	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
0.00011	0.00001	0.00009	0.00010	0.00021	0.00011
0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
0.00012	0.00003	0.00014	0.00011	0.00016	0.00012
0.00012	0.00004	0.00011	0.00011	0.00013	0.00012
0.00012	0.00005	0.00010	0.00011	0.00012	0.00012
0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
0.00012	0.00017	0.00016	0.00011	0.00013	0.00013
0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
0.00013	0.00026	0.00020	0.00012	0.00014	0.00013
0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
0.00008	0.00003	0.00002	0.00009	0.00018	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00021	0.00011
0.00009	0.00001	0.00009	0.00009	0.00021	0.00011
0.00010	0.00003	0.00014	0.00010	0.00019	0.00012
0.00010	0.00003	0.00014	0.00010	0.00016	0.00012
0.00010	0.00004	0.00011	0.00011	0.00013	0.00012
0.00010	0.00005	0.00010	0.00011	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00011	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012
0.00011	0.00017	0.00016	0.00010	0.00013	0.00013
0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
0.00013	0.00026	0.00020	0.00012	0.00014	0.00013
0.00013	0.00025	0.00018	0.00012	0.00014	0.00012
0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
0.00009	0.00010	0.00006	0.00008	0.00017	0.00009
0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
0.00008	0.00003	0.00002	0.00008	0.00018	0.00009
0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
0.00009	0.00001	0.00004	0.00009	0.00021	0.00011
0.00009	0.00001	0.00009	0.00009	0.00021	0.00011
0.00010	0.00003	0.00014	0.00010	0.00019	0.00012
0.00010	0.00003	0.00014	0.00010	0.00016	0.00012
0.00010	0.00004	0.00011	0.00011	0.00013	0.00012
0.00010	0.00005	0.00010	0.00011	0.00012	0.00012
0.00010	0.00007	0.00010	0.00010	0.00011	0.00012
0.00010	0.00009	0.00011	0.00010	0.00011	0.00012
0.00010	0.00010	0.00012	0.00010	0.00011	0.00012
0.00010	0.00013	0.00014	0.00010	0.00011	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	24	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013
12	24	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013
12	24	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
12	24	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013
12	24	21	0.00011	0.00025	0.00018	0.00011	0.00014	0.00012	0.00012	0.00025	0.00018	0.00011	0.00014	0.00012
12	24	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00012	0.00023	0.00017	0.00011	0.00014	0.00011
12	24	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	24	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	25	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	25	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00010	0.00010	0.00006	0.00009	0.00017	0.00009
12	25	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	25	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	25	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00009	0.00003	0.00002	0.00008	0.00018	0.00009
12	25	6	0.00008	0.00002	0.00002	0.00008	0.00019	0.00010	0.00009	0.00002	0.00002	0.00008	0.00019	0.00010
12	25	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00010	0.00001	0.00004	0.00009	0.00021	0.00011
12	25	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00010	0.00001	0.00009	0.00009	0.00021	0.00011
12	25	9	0.00009	0.00003	0.00014	0.00009	0.00019	0.00012	0.00010	0.00003	0.00014	0.00009	0.00019	0.00012
12	25	10	0.00009	0.00003	0.00014	0.00009	0.00016	0.00012	0.00010	0.00003	0.00014	0.00009	0.00016	0.00012
12	25	11	0.00009	0.00004	0.00011	0.00009	0.00013	0.00012	0.00010	0.00004	0.00011	0.00009	0.00013	0.00012
12	25	12	0.00009	0.00005	0.00010	0.00009	0.00012	0.00012	0.00010	0.00005	0.00010	0.00009	0.00012	0.00012
12	25	13	0.00009	0.00007	0.00010	0.00009	0.00011	0.00012	0.00010	0.00007	0.00010	0.00009	0.00011	0.00012
12	25	14	0.00009	0.00009	0.00011	0.00009	0.00011	0.00012	0.00010	0.00009	0.00011	0.00009	0.00011	0.00012
12	25	15	0.00009	0.00010	0.00012	0.00009	0.00011	0.00012	0.00010	0.00010	0.00012	0.00009	0.00011	0.00012
12	25	16	0.00009	0.00013	0.00014	0.00009	0.00011	0.00012	0.00010	0.00013	0.00014	0.00009	0.00011	0.00012
12	25	17	0.00009	0.00017	0.00016	0.00009	0.00013	0.00013	0.00010	0.00017	0.00016	0.00009	0.00013	0.00013
12	25	18	0.00011	0.00022	0.00019	0.00011	0.00013	0.00013	0.00012	0.00022	0.00019	0.00011	0.00013	0.00013
12	25	19	0.00011	0.00025	0.00021	0.00011	0.00014	0.00013	0.00012	0.00025	0.00021	0.00011	0.00014	0.00013
12	25	20	0.00011	0.00026	0.00020	0.00011	0.00014	0.00013	0.00012	0.00026	0.00020	0.00011	0.00014	0.00013
12	25	21	0.00011	0.00025	0.00018	0.00011	0.00014	0.00012	0.00012	0.00025	0.00018	0.00011	0.00014	0.00012
12	25	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00012	0.00023	0.00017	0.00011	0.00014	0.00011
12	25	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00010	0.00011	0.00022	0.00015	0.00010	0.00015	0.00010
12	25	24	0.00009	0.00018	0.00012	0.00009	0.00016	0.00009	0.00010	0.00018	0.00012	0.00009	0.00016	0.00009
12	26	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	26	2	0.00008	0.00010	0.00006	0.00008	0.00017	0.00009	0.00009	0.00010	0.00006	0.00008	0.00017	0.00009
12	26	3	0.00008	0.00007	0.00005	0.00008	0.00018	0.00009	0.00009	0.00007	0.00005	0.00008	0.00018	0.00009
12	26	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00009	0.00005	0.00003	0.00008	0.00018	0.00009
12	26	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00009	0.00003	0.00002	0.00008	0.00018	0.00009
12	26	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	26	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00009	0.00001	0.00004	0.00010	0.00021	0.00011
12	26	8	0.00010	0.00001	0.00009	0.00010	0.00021	0.00011	0.00010	0.00001	0.00009	0.00010	0.00021	0.00011
12	26	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00010	0.00003	0.00014	0.00011	0.00019	0.00012
12	26	10	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012
12	26	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012
12	26	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012
12	26	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00010	0.00007	0.00010	0.00011	0.00011	0.00012
12	26	14	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012	0.00010	0.00009	0.00011	0.00011	0.00011	0.00012
12	26	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00010	0.00010	0.00012	0.00011	0.00011	0.00012
12	26	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00010	0.00013	0.00014	0.00011	0.00011	0.00012
12	26	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013
12	26	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013
12	26	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013
12	26	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	26	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	26	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	26	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	26	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	27	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00010	0.00014	0.00009	0.00009	0.00017	0.00009
12	27	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	27	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	27	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009
12	27	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	27	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	27	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
12	27	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011
12	27	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012
12	27	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012
12	27	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	27	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	27	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012
12	27	14	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012	0.00011	0.00009	0.00011	0.00011	0.00011	0.00012
12	27	15	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012	0.00011	0.00010	0.00012	0.00011	0.00011	0.00012
12	27	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
12	27	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	27	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013
12	27	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013
12	27	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	27	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012
12	27	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	27	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	27	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00011	0.00018	0.00012	0.00010	0.00016	0.00009
12	28	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	28	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	28	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009
12	28	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00008	0.00005	0.00003	0.00009	0.00018	0.00009
12	28	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009
12	28	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	28	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011
12	28	8	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011	0.00011	0.00001	0.00009	0.00011	0.00021	0.00011
12	28	9	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012	0.00011	0.00003	0.00014	0.00011	0.00019	0.00012
12	28	10	0.00012	0.00003	0.00014	0.00012	0.00016	0.00012	0.00011	0.00003	0.00014	0.00012	0.00016	0.00012
12	28	11	0.00012	0.00004	0.00011	0.00012	0.00013	0.00012	0.00011	0.00004	0.00011	0.00012	0.00013	0.00012
12	28	12	0.00012	0.00005	0.00010	0.00012	0.00012	0.00012	0.00011	0.00005	0.00010	0.00012	0.00012	0.00012
12	28	13	0.00012	0.00007	0.00010	0.00012	0.00011	0.00012	0.00011	0.00007	0.00010	0.00012	0.00011	0.00012
12	28	14	0.00012	0.00009	0.00011	0.00012	0.00011	0.00012	0.00011	0.00009	0.00011	0.00012	0.00011	0.00012
12	28	15	0.00012	0.00010	0.00012	0.00012	0.00011	0.00012	0.00011	0.00010	0.00012	0.00012	0.00011	0.00012
12	28	16	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012	0.00011	0.00013	0.00014	0.00011	0.00011	0.00012
12	28	17	0.00012	0.00017	0.00016	0.00012	0.00013	0.00013	0.00011	0.00017	0.00016	0.00012	0.00013	0.00013
12	28	18	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013	0.00013	0.00022	0.00019	0.00013	0.00013	0.00013
12	28	19	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013	0.00013	0.00025	0.00021	0.00013	0.00014	0.00013
12	28	20	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013	0.00013	0.00026	0.00020	0.00013	0.00014	0.00013
12	28	21	0.00013	0.00025	0.00018	0.00013	0.00014	0.00012	0.00012	0.00025	0.00018	0.00013	0.00014	0.00012
12	28	22	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011	0.00012	0.00023	0.00017	0.00012	0.00014	0.00011
12	28	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	28	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	29	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	29	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009
12	29	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	29	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	29	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009
12	29	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010
12	29	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00010	0.00001	0.00004	0.00009	0.00021	0.00011
12	29	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00010	0.00001	0.00009	0.00009	0.00021	0.00011
12	29	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00011	0.00003	0.00014	0.00010	0.00019	0.00012
12	29	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00011	0.00003	0.00014	0.00010	0.00016	0.00012
12	29	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00011	0.00004	0.00011	0.00010	0.00013	0.00012
12	29	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour	Default Shapes (normalized to annual total; MW/annual MWh) Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency	Active Shapes Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
12	29	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
12	29	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	29	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	29	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	29	17	0.00010	0.00017	0.00016	0.00010	0.00013	0.00013	0.00012	0.00017	0.00016	0.00010	0.00013	0.00013
12	29	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
12	29	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
12	29	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013
12	29	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012
12	29	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011
12	29	23	0.00010	0.00022	0.00015	0.00010	0.00015	0.00010	0.00011	0.00022	0.00015	0.00010	0.00015	0.00010
12	29	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	30	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009
12	30	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00008	0.00010	0.00006	0.00009	0.00017	0.00009
12	30	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00008	0.00007	0.00005	0.00009	0.00018	0.00009
12	30	4	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009	0.00008	0.00005	0.00003	0.00008	0.00018	0.00009
12	30	5	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009	0.00008	0.00003	0.00002	0.00008	0.00018	0.00009
12	30	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00008	0.00002	0.00002	0.00009	0.00019	0.00010
12	30	7	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011	0.00009	0.00001	0.00004	0.00009	0.00021	0.00011
12	30	8	0.00009	0.00001	0.00009	0.00009	0.00021	0.00011	0.00010	0.00001	0.00009	0.00009	0.00021	0.00011
12	30	9	0.00009	0.00003	0.00014	0.00009	0.00019	0.00012	0.00010	0.00003	0.00014	0.00009	0.00019	0.00012
12	30	10	0.00010	0.00003	0.00014	0.00010	0.00016	0.00012	0.00011	0.00003	0.00014	0.00010	0.00016	0.00012
12	30	11	0.00010	0.00004	0.00011	0.00010	0.00013	0.00012	0.00011	0.00004	0.00011	0.00010	0.00013	0.00012
12	30	12	0.00010	0.00005	0.00010	0.00010	0.00012	0.00012	0.00011	0.00005	0.00010	0.00010	0.00012	0.00012
12	30	13	0.00010	0.00007	0.00010	0.00010	0.00011	0.00012	0.00011	0.00007	0.00010	0.00010	0.00011	0.00012
12	30	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00011	0.00009	0.00011	0.00010	0.00011	0.00012
12	30	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00011	0.00010	0.00012	0.00010	0.00011	0.00012
12	30	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00011	0.00013	0.00014	0.00010	0.00011	0.00012
12	30	17	0.00010	0.00017	0.00016	0.00010	0.00013	0.00013	0.00011	0.00017	0.00016	0.00010	0.00013	0.00013
12	30	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00013	0.00022	0.00019	0.00012	0.00013	0.00013
12	30	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00013	0.00025	0.00021	0.00012	0.00014	0.00013
12	30	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013
12	30	21	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012	0.00012	0.00025	0.00018	0.00012	0.00014	0.00012
12	30	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011
12	30	23	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010	0.00011	0.00022	0.00015	0.00011	0.00015	0.00010
12	30	24	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009	0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
12	31	1	0.00009	0.00014	0.00009	0.00009	0.00017	0.00009	0.00008	0.00014	0.00009	0.00009	0.00017	0.00009
12	31	2	0.00009	0.00010	0.00006	0.00009	0.00017	0.00009	0.00007	0.00010	0.00006	0.00009	0.00017	0.00009
12	31	3	0.00009	0.00007	0.00005	0.00009	0.00018	0.00009	0.00007	0.00007	0.00005	0.00009	0.00018	0.00009
12	31	4	0.00009	0.00005	0.00003	0.00009	0.00018	0.00009	0.00007	0.00005	0.00003	0.00009	0.00018	0.00009
12	31	5	0.00009	0.00003	0.00002	0.00009	0.00018	0.00009	0.00007	0.00003	0.00002	0.00009	0.00018	0.00009
12	31	6	0.00009	0.00002	0.00002	0.00009	0.00019	0.00010	0.00007	0.00002	0.00002	0.00009	0.00019	0.00010
12	31	7	0.00010	0.00001	0.00004	0.00010	0.00021	0.00011	0.00007	0.00001	0.00004	0.00010	0.00021	0.00011
12	31	8	0.00010	0.00001	0.00009	0.00010	0.00021	0.00011	0.00007	0.00001	0.00009	0.00010	0.00021	0.00011
12	31	9	0.00010	0.00003	0.00014	0.00010	0.00019	0.00012	0.00008	0.00003	0.00014	0.00010	0.00019	0.00012
12	31	10	0.00011	0.00003	0.00014	0.00011	0.00016	0.00012	0.00008	0.00003	0.00014	0.00011	0.00016	0.00012
12	31	11	0.00011	0.00004	0.00011	0.00011	0.00013	0.00012	0.00009	0.00004	0.00011	0.00011	0.00013	0.00012
12	31	12	0.00011	0.00005	0.00010	0.00011	0.00012	0.00012	0.00009	0.00005	0.00010	0.00011	0.00012	0.00012
12	31	13	0.00011	0.00007	0.00010	0.00011	0.00011	0.00012	0.00009	0.00007	0.00010	0.00011	0.00011	0.00012
12	31	14	0.00010	0.00009	0.00011	0.00010	0.00011	0.00012	0.00009	0.00009	0.00011	0.00010	0.00011	0.00012
12	31	15	0.00010	0.00010	0.00012	0.00010	0.00011	0.00012	0.00009	0.00010	0.00012	0.00010	0.00011	0.00012
12	31	16	0.00010	0.00013	0.00014	0.00010	0.00011	0.00012	0.00009	0.00013	0.00014	0.00010	0.00011	0.00012
12	31	17	0.00011	0.00017	0.00016	0.00011	0.00013	0.00013	0.00010	0.00017	0.00016	0.00011	0.00013	0.00013
12	31	18	0.00012	0.00022	0.00019	0.00012	0.00013	0.00013	0.00010	0.00022	0.00019	0.00012	0.00013	0.00013
12	31	19	0.00012	0.00025	0.00021	0.00012	0.00014	0.00013	0.00011	0.00025	0.00021	0.00012	0.00014	0.00013
12	31	20	0.00012	0.00026	0.00020	0.00012	0.00014	0.00013	0.00010	0.00026	0.00020	0.00012	0.00014	0.00013
12	31	21	0.00011	0.00025	0.00018	0.00011	0.00014	0.00012	0.00010	0.00025	0.00018	0.00011	0.00014	0.00012
12	31	22	0.00011	0.00023	0.00017	0.00011	0.00014	0.00011	0.00010	0.00023	0.00017	0.00011	0.00014	0.00011

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Month	Day	Hour
12	31	23
12	31	24

Default Shapes (normalized to annual total; MW/annual MWh)

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00010	0.00022	0.00015	0.00010	0.00015	0.00010
0.00010	0.00018	0.00012	0.00010	0.00016	0.00009
100%	100%	100%	100%	100%	100%

Active Shapes

Baseline Load	EV - Home Charging	EV - Home and Work Charging	Other Electrification	Building Electrification	Energy Efficiency
0.00009	0.00022	0.00015	0.00010	0.00015	0.00010
0.00009	0.00018	0.00012	0.00010	0.00016	0.00009
100%	100%	100%	100%	100%	100%

Month-hour shapes

Month	Hour	EV - Home Charging	EV - Home and Work Charging	Building Electrification	Energy Efficiency

Based on 2007 Weather

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
			Wind											
1	1	1	0.15	0.04	0.15	0.10	0.00	0.50	0.76	0.44	0.22	0.15	0.03	0.07
1	1	2	0.13	0.03	0.17	0.15	0.00	0.42	0.82	0.40	0.19	0.12	0.03	0.04
1	1	3	0.14	0.04	0.17	0.23	0.00	0.37	0.84	0.33	0.20	0.13	0.03	0.00
1	1	4	0.17	0.05	0.17	0.32	0.00	0.39	0.85	0.26	0.23	0.16	0.10	0.01
1	1	5	0.18	0.08	0.17	0.40	0.00	0.28	0.85	0.23	0.24	0.17	0.28	0.11
1	1	6	0.17	0.10	0.17	0.44	0.00	0.17	0.85	0.22	0.23	0.17	0.40	0.17
1	1	7	0.19	0.13	0.17	0.47	0.00	0.17	0.83	0.17	0.25	0.18	0.45	0.23
1	1	8	0.26	0.15	0.17	0.47	0.00	0.21	0.85	0.09	0.32	0.25	0.46	0.26
1	1	9	0.30	0.11	0.17	0.44	0.00	0.13	0.85	0.04	0.35	0.29	0.48	0.27
1	1	10	0.36	0.09	0.17	0.41	0.00	0.08	0.84	0.10	0.41	0.35	0.45	0.27
1	1	11	0.35	0.10	0.17	0.35	0.00	0.03	0.84	0.15	0.40	0.34	0.57	0.35
1	1	12	0.38	0.13	0.17	0.32	0.00	0.04	0.86	0.16	0.42	0.37	0.75	0.38
1	1	13	0.51	0.15	0.17	0.33	0.00	0.07	0.86	0.18	0.55	0.51	0.86	0.44
1	1	14	0.57	0.15	0.17	0.32	0.00	0.12	0.85	0.19	0.61	0.57	0.87	0.45
1	1	15	0.60	0.15	0.17	0.32	0.00	0.09	0.82	0.21	0.63	0.59	0.82	0.46
1	1	16	0.67	0.18	0.17	0.37	0.00	0.03	0.80	0.24	0.70	0.67	0.73	0.43
1	1	17	0.67	0.17	0.17	0.41	0.00	0.02	0.78	0.34	0.70	0.67	0.63	0.36
1	1	18	0.72	0.16	0.17	0.46	0.00	0.00	0.76	0.48	0.74	0.71	0.61	0.36
1	1	19	0.70	0.18	0.18	0.48	0.00	0.00	0.66	0.52	0.72	0.70	0.72	0.45
1	1	20	0.70	0.21	0.18	0.49	0.00	0.01	0.59	0.53	0.73	0.70	0.77	0.50
1	1	21	0.64	0.21	0.19	0.50	0.00	0.01	0.53	0.53	0.67	0.63	0.74	0.46
1	1	22	0.58	0.17	0.21	0.50	0.00	0.00	0.42	0.50	0.62	0.58	0.69	0.47
1	1	23	0.55	0.13	0.21	0.49	0.00	0.00	0.31	0.47	0.59	0.55	0.71	0.50
1	1	24	0.44	0.11	0.24	0.46	0.00	0.00	0.22	0.42	0.48	0.43	0.67	0.50
1	2	1	0.34	0.09	0.31	0.42	0.01	0.00	0.15	0.41	0.38	0.33	0.67	0.49
1	2	2	0.33	0.07	0.28	0.39	0.03	0.01	0.08	0.35	0.38	0.32	0.74	0.53
1	2	3	0.29	0.07	0.29	0.38	0.01	0.02	0.02	0.33	0.34	0.28	0.70	0.60
1	2	4	0.21	0.07	0.34	0.35	0.00	0.02	0.00	0.28	0.26	0.20	0.69	0.55
1	2	5	0.15	0.07	0.36	0.32	0.00	0.02	0.00	0.25	0.21	0.14	0.64	0.53
1	2	6	0.13	0.07	0.30	0.29	0.00	0.00	0.00	0.27	0.19	0.12	0.57	0.57
1	2	7	0.12	0.07	0.29	0.24	0.00	0.00	0.00	0.24	0.18	0.11	0.56	0.52
1	2	8	0.12	0.06	0.31	0.19	0.00	0.00	0.00	0.17	0.18	0.11	0.61	0.55
1	2	9	0.10	0.06	0.32	0.14	0.00	0.00	0.00	0.10	0.16	0.09	0.67	0.54
1	2	10	0.04	0.07	0.30	0.09	0.00	0.00	0.00	0.04	0.10	0.03	0.63	0.53
1	2	11	0.02	0.08	0.29	0.07	0.00	0.00	0.00	0.01	0.07	0.01	0.64	0.54
1	2	12	0.02	0.08	0.34	0.06	0.00	0.00	0.00	0.00	0.08	0.01	0.72	0.54
1	2	13	0.05	0.08	0.51	0.07	0.00	0.00	0.00	0.00	0.11	0.04	0.74	0.54
1	2	14	0.09	0.08	0.71	0.07	0.00	0.00	0.00	0.00	0.15	0.08	0.77	0.52
1	2	15	0.07	0.09	0.82	0.07	0.00	0.00	0.00	0.00	0.13	0.06	0.78	0.48
1	2	16	0.06	0.09	0.85	0.08	0.00	0.00	0.00	0.00	0.12	0.05	0.69	0.40
1	2	17	0.04	0.12	0.82	0.11	0.00	0.00	0.00	0.00	0.10	0.03	0.58	0.36
1	2	18	0.01	0.17	0.79	0.12	0.00	0.00	0.00	0.00	0.06	0.00	0.49	0.32
1	2	19	0.00	0.22	0.75	0.13	0.00	0.00	0.02	0.00	0.05	0.00	0.45	0.37
1	2	20	0.00	0.23	0.76	0.12	0.00	0.00	0.04	0.00	0.03	0.00	0.46	0.33
1	2	21	0.00	0.26	0.74	0.13	0.00	0.00	0.02	0.00	0.01	0.00	0.49	0.29
1	2	22	0.00	0.31	0.68	0.18	0.00	0.00	0.02	0.00	0.00	0.00	0.42	0.24
1	2	23	0.00	0.36	0.69	0.23	0.00	0.00	0.03	0.00	0.00	0.00	0.37	0.24
1	2	24	0.00	0.40	0.65	0.28	0.00	0.00	0.04	0.00	0.00	0.00	0.33	0.23
1	3	1	0.00	0.46	0.54	0.33	0.00	0.00	0.04	0.00	0.00	0.00	0.29	0.17
1	3	2	0.00	0.47	0.50	0.39	0.03	0.00	0.05	0.00	0.00	0.00	0.21	0.11
1	3	3	0.00	0.50	0.43	0.42	0.12	0.00	0.06	0.00	0.01	0.00	0.14	0.07
1	3	4	0.00	0.53	0.39	0.43	0.23	0.00	0.08	0.00	0.04	0.00	0.08	0.07
1	3	5	0.03	0.53	0.35	0.44	0.39	0.00	0.12	0.00	0.09	0.02	0.03	0.04
1	3	6	0.08	0.53	0.32	0.46	0.46	0.00	0.18	0.00	0.14	0.07	0.00	0.03
1	3	7	0.14	0.54	0.41	0.49	0.43	0.00	0.24	0.00	0.20	0.13	0.00	0.04
1	3	8	0.18	0.54	0.54	0.51	0.36	0.00	0.26	0.03	0.23	0.17	0.00	0.06
1	3	9	0.17	0.54	0.61	0.52	0.22	0.00	0.29	0.04	0.23	0.16	0.00	0.08
1	3	10	0.16	0.54	0.67	0.49	0.10	0.00	0.28	0.06	0.22	0.15	0.00	0.05
1	3	11	0.16	0.55	0.73	0.53	0.04	0.00	0.27	0.11	0.22	0.15	0.00	0.03
1	3	12	0.18	0.56	0.80	0.59	0.01	0.02	0.29	0.19	0.23	0.17	0.00	0.03
1	3	13	0.21	0.58	0.78	0.62	0.00	0.02	0.32	0.26	0.26	0.20	0.00	0.03
1	3	14	0.23	0.60	0.73	0.68	0.00	0.03	0.37	0.33	0.29	0.23	0.00	0.03
1	3	15	0.27	0.61	0.69	0.76	0.00	0.04	0.42	0.41	0.32	0.26	0.00	0.03
1	3	16	0.36	0.68	0.80	0.81	0.04	0.04	0.51	0.47	0.41	0.35	0.00	0.02
1	3	17	0.47	0.71	0.82	0.85	0.14	0.03	0.56	0.54	0.51	0.46	0.06	0.03
1	3	18	0.53	0.80	0.78	0.86	0.27	0.03	0.58	0.59	0.57	0.52	0.09	0.09
1	3	19	0.53	0.84	0.74	0.83	0.27	0.03	0.61	0.64	0.57	0.52	0.09	0.16
1	3	20	0.55	0.80	0.73	0.81	0.21	0.03	0.63	0.71	0.59	0.54	0.08	0.24
1	3	21	0.56	0.75	0.63	0.80	0.26	0.03	0.66	0.75	0.59	0.55	0.06	0.29
1	3	22	0.63	0.76	0.55	0.77	0.39	0.04	0.69	0.76	0.66	0.62	0.05	0.31
1	3	23	0.69	0.81	0.48	0.78	0.40	0.00	0.70	0.74	0.72	0.69	0.07	0.33
1	3	24	0.68	0.79	0.57	0.77	0.49	0.00	0.71	0.69	0.71	0.68	0.08	0.34
1	4	1	0.60	0.81	0.69	0.74	0.56	0.02	0.69	0.65	0.63	0.59	0.07	0.34
1	4	2	0.54	0.86	0.67	0.73	0.55	0.10	0.66	0.62	0.58	0.53	0.05	0.32
1	4	3	0.53	0.86	0.65	0.67	0.48	0.29	0.61	0.59	0.57	0.52	0.05	0.31
1	4	4	0.56	0.86	0.60	0.58	0.36	0.45	0.59	0.57	0.60	0.55	0.07	0.33
1	4	5	0.59	0.87	0.45	0.55	0.26	0.48	0.56	0.57	0.63	0.59	0.09	0.32
1	4	6	0.68	0.81	0.39	0.50	0.26	0.55	0.53	0.56	0.71	0.67	0.11	0.29
1	4	7	0.64	0.89	0.40	0.50	0.37	0.51	0.51	0.55	0.67	0.63	0.14	0.26
1	4	8	0.57	0.94	0.42	0.48	0.42	0.45	0.45	0.53	0.60	0.56	0.17	0.24
1	4	9	0.59	0.94	0.37	0.50	0.38	0.34	0.37	0.50	0.62	0.58	0.18	0.19
1	4	10	0.64	0.94	0.36	0.49	0.42	0.18	0.31	0.51	0.67	0.64	0.14	0.14
1	4	11	0.74	0.92	0.47	0.50	0.57	0.05	0.22	0.60	0.77	0.74	0.15	0.15
1	4	12	0.79	0.89	0.68	0.50	0.71	0.10	0.19	0.70	0.81	0.79	0.24	0.16
1	4	13	0.88	0.84	0.82	0.55	0.76	0.07	0.34	0.79	0.90	0.88	0.34	0.20
1	4	14	0.91	0.83	0.94	0.62	0.78	0.01	0.66	0.85	0.92	0.90	0.46	0.30
1	4	15	0.86	0.88	0.97	0.63	0.81	0.00	0.80	0.87	0.88	0.86	0.54	0.39
1	4	16	0.80	0.93	0.96	0.64	0.79	0.02	0.85	0.90	0.82	0.79	0.64	0.43
1	4	17	0.72	0.95	0.97	0.57	0.77	0.04	0.92	0.91	0.74	0.71	0.75	0.47
1	4	18	0.66	0.97	0.96	0.68	0.82	0.31	0.97	0.87	0.69	0.66	0.83	0.52
1	4	19	0.61	0.96	0.96	0.79	0.77	0.71	0.98	0.83	0.64	0.60	0.85	0.53
1	4	20	0.54	0.94	0.95	0.85	0.82	0.93	0.98	0.80	0.58	0.54	0.86	0.54
1	4	21	0.39	0.94	0.94	0.90	0.82	0.80	0.99	0.76	0.44	0.39	0.83	0.59
1	4	22	0.39	0.96	0.93	0.87	0.88	0.94	1.00	0.69	0.43	0.38	0.85	0.69
1	4	23	0.65	0.99	0.93	0.87	0.92	0.99	1.00	0.64	0.69	0.65	0.86	0.91
1	4	24	0.80	0.98	0.89	0.90	0.96	1.00	1.00	0.68	0.82	0.79	0.80	0.84
1	5	1	0.76	0.96	0.88	0.87	0.99	1.00	1.00	0.75	0.78	0.76	0.75	0.83
1	5	2	0.65	0.95	0.88	0.85	0.99	1.00	1.00	0.74	0.67	0.64	0.65	0.77
1	5	3	0.68	0.96	0.86	0.80	0.99	1.00	0.98	0.70	0.71	0.68	0.61	0.69
1	5	4	0.72	0.96	0.87	0.78	0.99	1.00	0.98	0.73	0.75	0.72	0.57	0.69
1	5	5	0.76	0.95	0.83	0.75	0.98	1.00	0.98	0.68	0.78	0.76	0.50	0.68
1	5	6	0.74	0.89	0.71	0.76	0.97	1.00	0.97	0.54	0.76	0.74	0.58	0.59
1	5	7	0.74	0.86	0.60	0.75	0.96	1.00	0.96	0.52	0.76	0.74	0.64	0.69
1	5	8	0.77	0.80	0.68	0.70	0.96	1.00	0.94	0.49	0.79	0.77	0.68	0.68
1	5	9	0.89	0.70	0.73	0.69	0.96	1.00	0.94	0.47	0.90	0.89	0.66	0.64
1	5	10	0.99	0.59	0.62	0.64	0.95	1.00	0.95	0.71	0.99	0.99	0.65	0.62
1	5	11	0.99	0.50	0.50	0.58	0.94	1.00	0.94	0.85	0.99	0.99	0.63	0.79
1	5	12	0.96	0.44	0.48	0.55	0.95	0.97	0.91	0.89	0.96	0.96	0.66	0.92
1	5	13	0.95	0.42	0.60	0.52	0.94	0.90	0.86	0.91	0.95	0.95	0.81	0.98
1	5	14	0.95	0.39	0.64	0.49	0.92	0.92	0.85	0.92	0.95	0.94	0.82	0.99
1	5	15	0.95	0.39	0.66	0.44	0.86	0.95	0.88	0.91	0.95	0.94	0.83	0.99
1	5	16	0.95	0.32	0.70	0.37	0.78	0.90	0.89	0.91	0.95	0.95	0.80	0.99
1	5	17	0.96	0.33	0.84	0.42	0.78	0.48	0.87	0.88	0.96	0.96	0.73	0.96
1	5	18	0.87	0.26	0.92	0.44	0.75	0.37	0.86	0.76	0.88	0.87	0.75	0.92
1	5	19	0.83	0.29	0.90	0.42	0.74	0.31	0.87	0.58	0.84	0.82	0.75	0.89
1	5	20	0.76	0.23	0.87	0.41	0.73	0.28	0.89	0.41	0.78	0.75	0.74	0.82
1	5	21	0.66	0.21	0.85	0.40	0.66	0.33	0.88	0.28	0.69	0.65	0.72	0.74
1	5	22	0.53	0.34	0.90	0.39	0.56	0.25	0.89	0.17	0.57	0.53	0.68	0.60
1	5	23	0.48	0.77	0.91	0.37	0.46	0.25	0.90	0.15	0.53	0.48	0.61	0.52
1	5	24	0.39	0.72	0.83	0.36	0.32	0.44	0.91	0.12	0.44	0.38	0.63	0.46
1	6	1	0.22	0.55	0.80	0.35	0.14	0.53	0.87	0.12	0.27	0.21	0.64	0.52
1	6	2	0.13	0.49	0.81	0.36	0.02	0.46	0.80	0.11	0.19	0.13	0.66	0.57
1	6	3	0.09	0.46	0.77	0.33	0.00	0.26	0.76	0.07	0.15	0.08	0.68	0.59
1	6	4	0.05	0.40	0.71	0.32	0.00	0.19	0.71	0.03	0.11	0.04	0.69	0.53
1	6	5	0.05	0.30	0.78	0.31	0.00	0.18	0.71	0.00	0.11	0.04	0.68	0.45
1	6	6	0.06	0.27	0.87	0.29	0.00	0.13	0.72	0.00	0.12	0.05	0.68	0.41
1	6	7	0.06	0.26	0.89	0.28	0.00	0.12	0.66	0.00	0.12	0.06	0.71	0.40
1	6	8	0.07	0.21	0.86	0.27	0.00	0.10	0.65	0.00	0.13	0.06	0.69	0.38
1	6	9	0.04	0.17	0.85	0.24	0.00	0.10	0.60	0.00	0.10	0.03	0.69	0.39
1	6	10	0.00	0.21	0.94	0.18	0.00	0.05	0.58	0.00	0.05	0.00	0.63	0.39
1	6	11	0.00	0.26	0.95	0.16	0.00	0.04	0.63	0.03	0.03	0.00	0.61	0.39
1	6	12	0.00	0.36	0.97	0.15	0.00	0.06	0.75	0.06	0.03	0.00	0.65	0.36
1	6	13	0.00	0.44	0.91	0.15	0.00	0.10	0.81	0.09	0.02	0.00	0.66	0.40
1	6	14	0.00	0.50	0.81	0.13	0.00	0.14	0.85	0.15	0.00	0.00	0.59	0.40
1	6	15	0.00	0.53	0.91	0.12	0.00	0.13	0.88	0.20	0.00	0.00	0.49	0.31

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_
			Wind											Solar							
1	1	1	0.16	0.14	0.05	0.03	0.05	0.04	0.34	0.04	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	2	0.14	0.11	0.06	0.05	0.07	0.05	0.40	0.07	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	3	0.15	0.04	0.09	0.07	0.08	0.06	0.41	0.10	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	4	0.18	0.06	0.10	0.08	0.08	0.08	0.41	0.15	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	5	0.19	0.19	0.11	0.09	0.07	0.09	0.40	0.26	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	6	0.18	0.25	0.14	0.12	0.06	0.11	0.36	0.47	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	7	0.20	0.30	0.19	0.16	0.07	0.14	0.34	0.56	0.00	0.13	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
1	1	8	0.27	0.34	0.25	0.22	0.08	0.15	0.29	0.59	0.00	0.15	0.05	0.09	0.19	0.36	0.19	0.08	0.00	0.01	0.12
1	1	9	0.31	0.35	0.31	0.29	0.06	0.12	0.27	0.59	0.00	0.11	0.02	0.36	0.51	0.62	0.50	0.47	0.35	0.42	0.42
1	1	10	0.37	0.34	0.34	0.32	0.04	0.13	0.23	0.56	0.02	0.09	0.01	0.59	0.72	0.78	0.70	0.70	0.61	0.63	0.58
1	1	11	0.36	0.41	0.35	0.33	0.02	0.17	0.26	0.52	0.05	0.10	0.02	0.72	0.83	0.88	0.81	0.73	0.74	0.77	0.66
1	1	12	0.38	0.44	0.37	0.35	0.01	0.20	0.30	0.55	0.11	0.13	0.04	0.79	0.88	0.89	0.86	0.71	0.83	0.84	0.68
1	1	13	0.52	0.50	0.40	0.38	0.01	0.23	0.33	0.62	0.16	0.15	0.05	0.81	0.90	0.89	0.88	0.77	0.75	0.84	0.75
1	1	14	0.58	0.51	0.44	0.42	0.01	0.27	0.35	0.70	0.20	0.15	0.05	0.75	0.83	0.87	0.82	0.77	0.66	0.70	0.76
1	1	15	0.60	0.52	0.47	0.46	0.01	0.28	0.35	0.74	0.22	0.15	0.05	0.64	0.74	0.74	0.73	0.70	0.65	0.60	0.73
1	1	16	0.68	0.49	0.51	0.49	0.03	0.28	0.40	0.73	0.23	0.18	0.07	0.42	0.52	0.44	0.51	0.49	0.49	0.46	0.58
1	1	17	0.68	0.43	0.53	0.52	0.05	0.29	0.41	0.69	0.32	0.17	0.07	0.08	0.15	0.07	0.15	0.16	0.18	0.15	0.20
1	1	18	0.72	0.42	0.56	0.54	0.06	0.27	0.46	0.68	0.49	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	19	0.70	0.51	0.60	0.58	0.06	0.30	0.54	0.65	0.59	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	20	0.70	0.55	0.64	0.63	0.11	0.32	0.64	0.62	0.60	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	21	0.65	0.52	0.68	0.66	0.17	0.28	0.74	0.65	0.65	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	22	0.59	0.52	0.67	0.66	0.23	0.24	0.78	0.65	0.64	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	23	0.56	0.55	0.68	0.67	0.30	0.23	0.84	0.65	0.60	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1	24	0.44	0.55	0.70	0.69	0.36	0.22	0.88	0.62	0.57	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	1	0.34	0.55	0.71	0.70	0.42	0.16	0.90	0.58	0.54	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	2	0.34	0.58	0.70	0.69	0.46	0.11	0.91	0.58	0.49	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	3	0.30	0.65	0.67	0.65	0.50	0.09	0.91	0.60	0.39	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	4	0.22	0.60	0.63	0.61	0.55	0.08	0.91	0.59	0.33	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	5	0.16	0.58	0.61	0.60	0.60	0.05	0.91	0.58	0.30	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	6	0.14	0.62	0.63	0.61	0.62	0.03	0.91	0.56	0.30	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	7	0.13	0.57	0.63	0.61	0.62	0.02	0.91	0.54	0.29	0.07	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1	2	8	0.13	0.60	0.63	0.61	0.62	0.02	0.90	0.51	0.25	0.06	0.00	0.07	0.15	0.29	0.15	0.01	0.00	0.00	0.13
1	2	9	0.11	0.59	0.62	0.60	0.61	0.03	0.91	0.43	0.14	0.06	0.00	0.28	0.39	0.55	0.38	0.02	0.15	0.17	0.44
1	2	10	0.05	0.58	0.58	0.56	0.56	0.02	0.92	0.32	0.11	0.07	0.00	0.48	0.59	0.68	0.57	0.11	0.24	0.43	0.58
1	2	11	0.03	0.59	0.56	0.54	0.51	0.02	0.93	0.26	0.09	0.08	0.00	0.62	0.71	0.71	0.69	0.34	0.39	0.56	0.70
1	2	12	0.03	0.59	0.58	0.56	0.49	0.03	0.93	0.22	0.09	0.08	0.00	0.70	0.78	0.73	0.76	0.47	0.47	0.57	0.71
1	2	13	0.06	0.59	0.59	0.57	0.48	0.03	0.93	0.23	0.08	0.08	0.00	0.70	0.77	0.76	0.75	0.27	0.57	0.66	0.63
1	2	14	0.10	0.57	0.59	0.58	0.48	0.04	0.91	0.27	0.07	0.08	0.01	0.62	0.69	0.78	0.68	0.28	0.37	0.61	0.53
1	2	15	0.08	0.54	0.60	0.59	0.50	0.04	0.91	0.29	0.06	0.09	0.01	0.51	0.59	0.68	0.58	0.33	0.37	0.36	0.52
1	2	16	0.07	0.46	0.63	0.62	0.58	0.04	0.92	0.32	0.06	0.09	0.01	0.32	0.41	0.49	0.40	0.29	0.31	0.28	0.39
1	2	17	0.05	0.42	0.67	0.66	0.66	0.04	0.93	0.38	0.07	0.12	0.03	0.05	0.10	0.06	0.10	0.07	0.07	0.06	0.11
1	2	18	0.02	0.38	0.69	0.67	0.71	0.03	0.95	0.36	0.07	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	19	0.01	0.43	0.74	0.73	0.71	0.01	0.95	0.33	0.07	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	20	0.00	0.39	0.78	0.77	0.71	0.00	0.95	0.27	0.05	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	21	0.00	0.36	0.82	0.81	0.72	0.00	0.95	0.17	0.04	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	22	0.00	0.31	0.85	0.84	0.78	0.00	0.93	0.12	0.02	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	23	0.00	0.31	0.84	0.84	0.84	0.00	0.90	0.11	0.01	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	2	24	0.00	0.31	0.78	0.78	0.87	0.00	0.90	0.10	0.00	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	1	0.00	0.25	0.71	0.70	0.87	0.00	0.91	0.06	0.00	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	2	0.00	0.18	0.67	0.66	0.87	0.01	0.92	0.03	0.00	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	3	0.00	0.14	0.65	0.64	0.88	0.03	0.92	0.02	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	4	0.00	0.15	0.59	0.58	0.89	0.08	0.90	0.00	0.00	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	5	0.04	0.11	0.54	0.53	0.90	0.19	0.89	0.00	0.00	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	6	0.09	0.09	0.55	0.53	0.92	0.29	0.89	0.00	0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	7	0.15	0.11	0.64	0.62	0.93	0.37	0.91	0.00	0.00	0.54	0.45	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1	3	8	0.19	0.14	0.68	0.67	0.88	0.44	0.91	0.00	0.00	0.54	0.45	0.04	0.10	0.30	0.10	0.01	0.00	0.01	0.14
1	3	9	0.18	0.16	0.64	0.63	0.83	0.48	0.91	0.00	0.00	0.54	0.45	0.29	0.42	0.55	0.41	0.09	0.30	0.41	0.54
1	3	10	0.17	0.12	0.54	0.52	0.82	0.52	0.88	0.00	0.00	0.54	0.45	0.53	0.65	0.70	0.64	0.07	0.56	0.63	0.73
1	3	11	0.17	0.10	0.52	0.51	0.82	0.53	0.86	0.00	0.00	0.55	0.46	0.67	0.77	0.76	0.75	0.06	0.74	0.79	0.83
1	3	12	0.19	0.10	0.58	0.57	0.83	0.54	0.89	0.00	0.00	0.55	0.47	0.73	0.81	0.84	0.80	0.06	0.71	0.85	0.86
1	3	13	0.22	0.10	0.72	0.71	0.82	0.60	0.91	0.00	0.00	0.58	0.49	0.74	0.82	0.84	0.80	0.07	0.66	0.85	0.86
1	3	14	0.24	0.10	0.82	0.82	0.82	0.65	0.89	0.00	0.01	0.60	0.52	0.70	0.78	0.79	0.77	0.06	0.64	0.81	0.84
1	3	15	0.28	0.10	0.86	0.85	0.83	0.74	0.84	0.00	0.03	0.61	0.54	0.59	0.68	0.66	0.67	0.08	0.39	0.71	0.75
1	3	16	0.37	0.09	0.80	0.79	0.87	0.83	0.81	0.00	0.08	0.68	0.61	0.39	0.48	0.45	0.48	0.10	0.25	0.50	0.54
1	3	17	0.48	0.10	0.80	0.79	0.87	0.89	0.80	0.00	0.20	0.71	0.66	0.09	0.15	0.07	0.15	0.02	0.07	0.19	0.19
1	3	18	0.53	0.16	0.81	0.80	0.88	0.92	0.80	0.00	0.29	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	19	0.53	0.23	0.83	0.82	0.87	0.94	0.84	0.00	0.36	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	20	0.55	0.31	0.82	0.81	0.87	0.94	0.86	0.00	0.42	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	21	0.56	0.36	0.79	0.78	0.92	0.94	0.86	0.00	0.48	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	22	0.63	0.38	0.73	0.72	0.94	0.93	0.85	0.00	0.51	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	23	0.70	0.40	0.69	0.68	0.89	0.91	0.83	0.00	0.55	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3	24	0.69	0.41	0.68	0.67	0.77	0.93	0.83	0.00	0.51	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	1	0.60	0.40	0.71	0.70	0.67	0.95	0.83	0.03	0.51	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	2	0.55	0.38	0.73	0.72	0.64	0.95	0.83	0.03	0.47	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	3	0.53	0.37	0.74	0.73	0.67	0.94	0.85	0.05	0.48	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	4	0.57	0.39	0.72	0.71	0.65	0.90	0.88	0.10	0.52	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	5	0.60	0.39	0.71	0.70	0.67	0.90	0.90	0.14	0.52	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	6	0.68	0.36	0.67	0.65	0.61	0.91	0.92	0.23	0.51	0.81	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	7	0.64	0.33	0.60	0.58	0.49	0.91	0.89	0.32	0.48	0.89	0.86	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1	4	8	0.57	0.31	0.63	0.61	0.38	0.91	0.80	0.37	0.42	0.94	0.93	0.08	0.18	0.38	0.17	0.03	0.00	0.00	0.02
1	4	9	0.59	0.26	0.61	0.59	0.26	0.92	0.75	0.43	0.27	0.94	0.93	0.28	0.39	0.56	0.38	0.19	0.02	0.02	0.13
1	4	10	0.65	0.22	0.56	0.55	0.21	0.96	0.76	0.43	0.25	0.94	0.92	0.42	0.51	0.64	0.50	0.25	0.12	0.04	0.21
1	4	11	0.75	0.22	0.57	0.55	0.18	0.96	0.79	0.53	0.36	0.92	0.90	0.48	0.55	0.64	0.54	0.33	0.06	0.06	0.12
1	4	12	0.79	0.23	0.55	0.54	0.16	0.97	0.77	0.59	0.46	0.89	0.87	0.53	0.59	0.65	0.58	0.28	0.20	0.09	0.12
1	4	13	0.88	0.27	0.58	0.56	0.15	0.98	0.73	0.71	0.61	0.84	0.81	0.55	0.61	0.66	0.60	0.31	0.51	0.12	0.10
1	4	14	0.91	0.37	0.68	0.66	0.16	0.96	0.65	0.79	0.77	0.83	0.79	0.51	0.57	0.63	0.56	0.29	0.33	0.24	0.05
1	4	15	0.86	0.45	0.78	0.77	0.17	0.90	0.55	0.75	0.87	0.88	0.85	0.45	0.52	0.50	0.51	0.39	0.40	0.33	0.10
1	4	16	0.80	0.49	0.77	0.76	0.21	0.83	0.47	0.73	0.86	0.93	0.91	0.29	0.37	0.35	0.36	0.30	0.26	0.27	0.10
1	4	17	0.72	0.52	0.82	0.81	0.38	0.68	0.44	0.78	0.91	0.95	0.94	0.05	0.10	0.04	0.10	0.10	0.06	0.05	0.01
1	4	18	0.67	0.57	0.90	0.90	0.52	0.52	0.39	0.85	0.93	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	19	0.61	0.58	0.90	0.90	0.65	0.43	0.41	0.86	0.94	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	20	0.55	0.59	0.88	0.88	0.57	0.32	0.49	0.86	0.95	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	21	0.40	0.64	0.87	0.86	0.73	0.26	0.50	0.81	0.95	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	22	0.40	0.72	0.88	0.87	0.77	0.39	0.45	0.83	0.95	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	23	0.66	0.93	0.84	0.84	0.80	0.78	0.38	0.80	0.95	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4	24	0.80	0.86	0.85	0.84	0.78	0.81	0.34	0.75	0.94	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	1	0.76	0.85	0.84	0.83	0.78	0.48	0.32	0.80	0.94	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	2	0.65	0.80	0.82	0.81	0.88	0.37	0.29	0.63	0.95	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	3	0.69	0.73	0.76	0.76	0.91	0.62	0.34	0.51	0.93	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	4	0.73	0.73	0.73	0.71	0.89	0.82	0.33	0.59	0.91	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	5	0.76	0.71	0.68	0.67	0.89	0.92	0.29	0.63	0.83	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	6	0.75	0.62	0.62	0.60	0.88	0.98	0.29	0.73	0.78	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	7	0.75	0.73	0.57	0.55	0.82	0.98	0.30	0.88	0.79	0.86	0.83	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1	5	8	0.78	0.72	0.57	0.55	0.73	0.97	0.34	0.95	0.59	0.80	0.76	0.07	0.17	0.27	0.17	0.08	0.00	0.01	0.08
1	5	9	0.90	0.68	0.57	0.56	0.69	0.98	0.30	0.93	0.33	0.70	0.64	0.35	0.50	0.48	0.50	0.48	0.40	0.44	0.43
1	5	10	0.99	0.65	0.59	0.58	0.70	0.99	0.28	0.95	0.35	0.59	0.51	0.58	0.72	0.56	0.70	0.66	0.66	0.70	0.57
1	5	11	0.99	0.82	0.58	0.56	0.68	0.99	0.27	0.96	0.40	0.50	0.41	0.72	0.82	0.62	0.81	0.72	0.79	0.82	0.64
1	5	12	0.96	0.93	0.57	0.55	0.59	0.97	0.22	0.95	0.50	0.44	0.34	0.80	0.89	0.66	0.87	0.78	0.86	0.87	0.70
1	5	13	0.95	0.99	0.58	0.56	0.43	0.93	0.17	0.93	0.61	0.42	0.32	0.83	0.91	0.67	0.90	0.81	0.85	0.88	0.76
1	5	14	0.95	0.99	0.60	0.58	0.34	0.93	0.12	0.93	0.57	0.39	0.29	0.79	0.89	0.63	0.87	0.84	0.84	0.84	0.76
1	5	15	0.95	0.99	0.63	0.61	0.31	0.94	0.09	0.93	0.55	0.39	0.28	0.68	0.79	0.66	0.78	0.78	0.72	0.75	0.69
1	5	16	0.95	0.99	0.60	0.59	0.31	0.92	0.11	0.92	0.54	0.32	0.21	0.45	0.57	0.46	0.55	0.64	0.53	0.53	0.50
1	5	17	0.96	0.97	0.63	0.62	0.42	0.85	0.14	0.87	0.57	0.33	0.22	0.11	0.18	0.09	0.18	0.22	0.21	0.21	0.18
1	5	18	0.87	0.93	0.68	0.66	0.55	0.80	0.17	0.81	0.75	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	19	0.83	0.91	0.66	0.64	0.63	0.75	0.24	0.79	0.92	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	20	0.76	0.84	0.66	0.64	0.70	0.70	0.29	0.79	0.91	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	21	0.66	0.77	0.67	0.65	0.81	0.61	0.37	0.80	0.87	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	22	0.54	0.64	0.62	0.61	0.90	0.50	0.54	0.80	0.92	0.33	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	23	0.49	0.58	0.58	0.57	0.93	0.33	0.75	0.78	0.91	0.78	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5	24	0.40	0.51	0.58	0.57	0.94	0.19	0.88	0.75	0.84	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	1	0.23	0.57	0.59	0.58	0.90	0.10	0.94	0.75	0.78	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	2	0.14	0.62	0.58	0.57	0.86	0.05	0.97	0.73	0.77	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	3	0.10	0.63	0.59	0.58	0.84	0.02	0.97	0.70	0.65	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	4	0.06	0.58	0.66	0.65	0.85	0.01	0.93	0.65	0.52	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	5	0.06	0.51	0.73	0.72	0.86	0.01	0.86	0.66	0.32	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	6	0.07	0.47	0.77	0.76	0.87	0.02	0.83	0.67	0.24	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	6	7	0.07	0.46	0.86	0.85	0.86	0.05	0.80	0.62	0.18	0.26	0.15	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1	6	8	0.08	0.44	0.85	0.84	0.88	0.07	0.68	0.53	0.13	0.21	0.10	0.08	0.19	0.33	0.19	0.08	0.00	0.01	0.12
1	6	9	0.05	0.45	0.84	0.83	0.90	0.06	0.65	0.41	0.08	0.17	0.07	0.37	0.54	0.55	0.53	0.42	0.39	0.42	0.55
1	6	10	0.01	0.46	0.81	0.80	0.89	0.03	0.64	0.30	0.05	0.21	0.10	0.60	0.74	0.65	0.73	0.52	0.64	0.68	0.76
1	6	11	0.00	0.45	0.78	0.77	0.90	0.04	0.63	0.20	0.02	0.26	0.15	0.74	0.85	0.70	0.84	0.55	0.76	0.80	0.88
1	6	12	0.00	0.42	0.74	0.73	0.92	0.03	0.65	0.16	0.00	0.36	0.26	0.81	0.90	0.68	0.88	0.51	0.84	0.87	0.91
1	6	13	0.00	0.46	0.71	0.70	0.94	0.02	0.68	0.18	0.00	0.44	0.33	0.82	0.90	0.71	0.89	0.47	0.83	0.88	0.92
1	6	14	0.00	0.47	0.71	0.70	0.88	0.01	0.73	0.21	0.00	0.50	0.41	0.77	0.86	0.70	0.85	0.48	0.80	0.83	0.88
1	6	15	0.00	0.37	0.63	0.62	0.70	0.00	0.78	0.26	0.00	0.53	0.44	0.66	0.76	0.59	0.74	0.43	0.72	0.72	0.80

Month	Day	Hour	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
			Solar												Geothermal	Biomass	Small Hydro
1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	1.00	1.00	1.00
1	1	8	0.14	0.26	0.41	0.46	0.43	0.40	0.39	0.42	0.29	0.36	0.47	0.48	1.00	1.00	1.00
1	1	9	0.51	0.66	0.75	0.76	0.74	0.67	0.69	0.74	0.54	0.67	0.72	0.63	1.00	1.00	1.00
1	1	10	0.71	0.89	0.92	0.92	0.89	0.80	0.86	0.88	0.77	0.77	0.88	0.68	1.00	1.00	1.00
1	1	11	0.89	0.96	1.00	0.99	0.99	0.90	0.95	0.98	0.79	0.87	0.96	0.75	1.00	1.00	1.00
1	1	12	0.95	1.00	1.00	1.00	1.00	0.94	0.94	1.00	0.89	0.90	0.99	0.66	1.00	1.00	1.00
1	1	13	0.93	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.85	0.88	1.00	0.75	1.00	1.00	1.00
1	1	14	0.92	0.85	1.00	0.99	0.99	0.91	0.91	0.98	0.84	0.88	0.95	0.67	1.00	1.00	1.00
1	1	15	0.83	0.81	0.93	0.87	0.88	0.75	0.84	0.87	0.82	0.80	0.82	0.56	1.00	1.00	1.00
1	1	16	0.54	0.64	0.72	0.52	0.63	0.59	0.63	0.63	0.55	0.60	0.58	0.26	1.00	1.00	1.00
1	1	17	0.21	0.23	0.24	0.12	0.17	0.16	0.20	0.17	0.09	0.14	0.09	0.00	1.00	1.00	1.00
1	1	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	1.00	1.00	1.00
1	2	8	0.06	0.21	0.24	0.34	0.37	0.40	0.36	0.37	0.19	0.23	0.56	0.36	1.00	1.00	1.00
1	2	9	0.28	0.65	0.56	0.64	0.67	0.66	0.66	0.67	0.50	0.48	0.80	0.56	1.00	1.00	1.00
1	2	10	0.50	0.88	0.84	0.87	0.83	0.84	0.81	0.83	0.62	0.64	0.94	0.54	1.00	1.00	1.00
1	2	11	0.58	0.93	0.97	0.95	0.90	0.97	0.87	0.89	0.75	0.81	0.99	0.64	1.00	1.00	1.00
1	2	12	0.75	0.98	1.00	0.97	1.00	0.99	0.92	0.99	0.89	0.81	1.00	0.71	1.00	1.00	1.00
1	2	13	0.75	0.91	1.00	1.00	1.00	0.98	0.93	1.00	0.86	0.83	1.00	0.71	1.00	1.00	1.00
1	2	14	0.63	0.74	0.93	0.98	0.94	0.94	0.93	0.94	0.88	0.77	0.96	0.68	1.00	1.00	1.00
1	2	15	0.60	0.64	0.69	0.89	0.79	0.77	0.82	0.78	0.80	0.65	0.85	0.69	1.00	1.00	1.00
1	2	16	0.42	0.41	0.51	0.64	0.55	0.51	0.56	0.54	0.60	0.49	0.58	0.38	1.00	1.00	1.00
1	2	17	0.16	0.13	0.14	0.16	0.14	0.14	0.17	0.14	0.04	0.11	0.10	0.00	1.00	1.00	1.00
1	2	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.15	1.00	1.00	1.00
1	3	8	0.16	0.19	0.38	0.07	0.15	0.09	0.21	0.15	0.12	0.30	0.46	0.60	1.00	1.00	1.00
1	3	9	0.54	0.62	0.69	0.50	0.57	0.43	0.54	0.57	0.38	0.49	0.71	0.74	1.00	1.00	1.00
1	3	10	0.75	0.86	0.84	0.83	0.80	0.81	0.84	0.80	0.59	0.74	0.84	0.69	1.00	1.00	1.00
1	3	11	0.86	0.97	0.93	0.93	0.94	0.92	0.89	0.94	0.54	0.78	0.94	0.74	1.00	1.00	1.00
1	3	12	0.90	1.00	0.98	1.00	1.00	0.98	0.92	0.99	0.64	0.79	0.99	0.79	1.00	1.00	1.00
1	3	13	0.93	0.97	1.00	1.00	0.98	0.98	0.95	0.98	0.81	0.81	0.97	0.83	1.00	1.00	1.00
1	3	14	0.88	0.95	0.98	0.96	0.95	0.94	0.91	0.95	0.68	0.81	0.92	0.78	1.00	1.00	1.00
1	3	15	0.80	0.89	0.85	0.87	0.87	0.86	0.83	0.86	0.61	0.75	0.83	0.71	1.00	1.00	1.00
1	3	16	0.61	0.69	0.62	0.68	0.61	0.62	0.59	0.60	0.41	0.54	0.51	0.43	1.00	1.00	1.00
1	3	17	0.28	0.26	0.21	0.19	0.18	0.19	0.19	0.18	0.09	0.14	0.08	0.00	1.00	1.00	1.00
1	3	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
1	3	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.16	1.00	1.00	1.00
1	4	8	0.09	0.31	0.40	0.46	0.42	0.40	0.36	0.42	0.39	0.32	0.54	0.67	1.00	1.00	1.00
1	4	9	0.36	0.68	0.71	0.74	0.71	0.68	0.62	0.70	0.66	0.50	0.78	0.83	1.00	1.00	1.00
1	4	10	0.26	0.85	0.88	0.90	0.87	0.83	0.85	0.86	0.82	0.47	0.92	0.91	1.00	1.00	1.00
1	4	11	0.17	0.88	0.97	0.97	0.96	0.89	0.97	0.95	0.74	0.42	0.98	0.94	1.00	1.00	1.00
1	4	12	0.20	0.93	1.00	1.00	1.00	0.93	1.00	1.00	0.71	0.44	0.99	1.00	1.00	1.00	1.00
1	4	13	0.17	0.74	1.00	1.00	1.00	0.98	0.99	1.00	0.75	0.45	0.98	0.98	1.00	1.00	1.00
1	4	14	0.14	0.74	0.95	0.96	0.95	0.96	0.96	0.94	0.77	0.40	0.94	0.92	1.00	1.00	1.00
1	4	15	0.09	0.60	0.79	0.86	0.79	0.87	0.82	0.79	0.50	0.34	0.82	0.77	1.00	1.00	1.00
1	4	16	0.19	0.37	0.60	0.61	0.54	0.61	0.56	0.54	0.36	0.28	0.57	0.46	1.00	1.00	1.00
1	4	17	0.06	0.12	0.20	0.17	0.16	0.19	0.19	0.16	0.03	0.07	0.11	0.00	1.00	1.00	1.00
1	4	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	1.00	1.00	1.00
1	5	8	0.18	0.26	0.37	0.46	0.30	0.35	0.33	0.30	0.16	0.26	0.16	0.64	1.00	1.00	1.00
1	5	9	0.60	0.59	0.72	0.76	0.60	0.67	0.67	0.60	0.28	0.50	0.35	0.88	1.00	1.00	1.00
1	5	10	0.82	0.79	0.85	0.92	0.87	0.84	0.84	0.86	0.21	0.56	0.50	1.00	1.00	1.00	1.00
1	5	11	0.93	0.87	0.93	1.00	0.99	0.93	0.89	0.98	0.31	0.56	0.57	1.00	1.00	1.00	1.00
1	5	12	0.98	0.96	0.96	1.00	1.00	0.98	0.93	1.00	0.30	0.61	0.66	1.00	1.00	1.00	1.00
1	5	13	0.99	1.00	1.00	1.00	1.00	0.97	0.95	1.00	0.26	0.61	0.67	0.97	1.00	1.00	1.00
1	5	14	0.94	0.91	1.00	1.00	0.99	0.96	0.93	0.98	0.33	0.65	0.65	0.88	1.00	1.00	1.00
1	5	15	0.87	0.90	0.89	0.92	0.91	0.86	0.84	0.90	0.42	0.67	0.70	0.59	1.00	1.00	1.00
1	5	16	0.65	0.68	0.69	0.69	0.63	0.62	0.58	0.63	0.35	0.55	0.38	0.32	1.00	1.00	1.00
1	5	17	0.33	0.25	0.23	0.19	0.19	0.19	0.19	0.19	0.05	0.15	0.07	0.00	1.00	1.00	1.00
1	5	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.15	1.00	1.00	1.00
1	6	8	0.17	0.32	0.41	0.46	0.41	0.41	0.37	0.41	0.09	0.27	0.56	0.46	1.00	1.00	1.00
1	6	9	0.59	0.73	0.76	0.77	0.73	0.75	0.67	0.73	0.18	0.48	0.82	0.65	1.00	1.00	1.00
1	6	10	0.80	0.93	0.94	0.94	0.90	0.90	0.83	0.89	0.35	0.57	0.96	0.75	1.00	1.00	1.00
1	6	11	0.91	1.00	1.00	1.00	0.96	1.00	0.89	0.95	0.57	0.66	1.00	0.82	1.00	1.00	1.00
1	6	12	0.98	1.00	1.00	1.00	1.00	1.00	0.93	0.99	0.45	0.71	1.00	0.98	1.00	1.00	1.00
1	6	13	0.97	1.00	1.00	1.00	1.00	1.00	0.92	1.00	0.46	0.73	1.00	1.00	1.00	1.00	1.00
1	6	14	0.94	1.00	1.00	1.00	1.00	0.95	0.90	0.99	0.51	0.67	0.97	0.95	1.00	1.00	1.00
1	6	15	0.86	0.94	0.92	0.80	0.89	0.86	0.84	0.88	0.40	0.60	0.86	0.80	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind: CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
1	6	16	0.00	0.60	0.91	0.13	0.00	0.10	0.91	0.24	0.00	0.00	0.33	0.21
1	6	17	0.00	0.76	0.88	0.12	0.00	0.23	0.92	0.31	0.00	0.00	0.20	0.20
1	6	18	0.00	0.88	0.79	0.15	0.00	0.59	0.92	0.31	0.01	0.00	0.21	0.31
1	6	19	0.00	0.96	0.73	0.24	0.00	0.74	0.90	0.22	0.03	0.00	0.25	0.33
1	6	20	0.00	0.94	0.65	0.36	0.00	0.56	0.87	0.14	0.02	0.00	0.32	0.33
1	6	21	0.00	0.93	0.65	0.42	0.02	0.44	0.88	0.09	0.04	0.00	0.41	0.34
1	6	22	0.05	0.90	0.67	0.46	0.12	0.56	0.89	0.10	0.11	0.04	0.55	0.34
1	6	23	0.12	0.90	0.56	0.46	0.29	0.36	0.88	0.19	0.18	0.11	0.59	0.33
1	6	24	0.19	0.87	0.54	0.45	0.48	0.13	0.85	0.26	0.25	0.18	0.60	0.35
1	7	1	0.22	0.83	0.40	0.49	0.49	0.10	0.77	0.21	0.28	0.22	0.61	0.35
1	7	2	0.24	0.70	0.35	0.51	0.47	0.05	0.62	0.20	0.30	0.23	0.61	0.34
1	7	3	0.21	0.71	0.45	0.48	0.54	0.08	0.48	0.16	0.27	0.20	0.58	0.34
1	7	4	0.17	0.85	0.55	0.48	0.62	0.17	0.42	0.12	0.22	0.16	0.59	0.37
1	7	5	0.15	0.85	0.70	0.48	0.63	0.19	0.35	0.12	0.21	0.14	0.58	0.39
1	7	6	0.13	0.86	0.80	0.47	0.64	0.25	0.28	0.10	0.19	0.12	0.54	0.46
1	7	7	0.11	0.77	0.83	0.48	0.53	0.22	0.26	0.10	0.17	0.10	0.53	0.47
1	7	8	0.09	0.51	0.90	0.49	0.34	0.22	0.26	0.10	0.15	0.08	0.54	0.49
1	7	9	0.07	0.28	0.91	0.46	0.13	0.30	0.22	0.11	0.13	0.06	0.54	0.47
1	7	10	0.06	0.18	0.86	0.35	0.02	0.19	0.13	0.11	0.12	0.05	0.55	0.44
1	7	11	0.05	0.24	0.82	0.24	0.00	0.20	0.10	0.08	0.11	0.04	0.54	0.42
1	7	12	0.05	0.27	0.72	0.18	0.00	0.15	0.08	0.12	0.10	0.04	0.68	0.42
1	7	13	0.05	0.37	0.76	0.14	0.00	0.13	0.10	0.18	0.10	0.04	0.75	0.42
1	7	14	0.05	0.48	0.84	0.13	0.00	0.09	0.13	0.21	0.11	0.04	0.79	0.41
1	7	15	0.05	0.52	0.76	0.14	0.00	0.09	0.17	0.18	0.11	0.04	0.77	0.38
1	7	16	0.05	0.54	0.78	0.17	0.00	0.05	0.20	0.16	0.11	0.04	0.75	0.35
1	7	17	0.07	0.54	0.87	0.27	0.02	0.07	0.21	0.22	0.12	0.06	0.68	0.32
1	7	18	0.11	0.57	0.90	0.35	0.10	0.07	0.16	0.34	0.17	0.10	0.59	0.32
1	7	19	0.06	0.63	0.93	0.46	0.15	0.13	0.09	0.23	0.12	0.05	0.60	0.28
1	7	20	0.05	0.71	0.96	0.51	0.13	0.18	0.05	0.11	0.10	0.04	0.59	0.31
1	7	21	0.05	0.80	0.94	0.53	0.21	0.18	0.05	0.09	0.11	0.04	0.58	0.39
1	7	22	0.05	0.88	0.92	0.56	0.29	0.14	0.02	0.09	0.11	0.04	0.56	0.38
1	7	23	0.05	0.94	0.88	0.56	0.33	0.10	0.01	0.10	0.10	0.04	0.56	0.37
1	7	24	0.05	0.94	0.89	0.56	0.26	0.05	0.00	0.10	0.10	0.04	0.58	0.37
1	8	1	0.05	0.92	0.97	0.56	0.11	0.02	0.00	0.10	0.10	0.04	0.65	0.37
1	8	2	0.05	0.90	0.98	0.58	0.08	0.01	0.00	0.11	0.10	0.04	0.72	0.37
1	8	3	0.05	0.87	0.98	0.58	0.11	0.03	0.00	0.12	0.11	0.04	0.73	0.36
1	8	4	0.05	0.86	0.94	0.58	0.19	0.03	0.00	0.12	0.11	0.04	0.72	0.36
1	8	5	0.05	0.87	0.92	0.58	0.30	0.08	0.00	0.11	0.11	0.04	0.73	0.36
1	8	6	0.05	0.86	0.86	0.56	0.36	0.10	0.00	0.11	0.11	0.04	0.75	0.35
1	8	7	0.05	0.81	0.75	0.56	0.33	0.12	0.00	0.12	0.10	0.04	0.79	0.25
1	8	8	0.05	0.80	0.68	0.56	0.24	0.08	0.00	0.11	0.10	0.04	0.80	0.23
1	8	9	0.05	0.76	0.55	0.54	0.13	0.09	0.00	0.08	0.11	0.04	0.79	0.21
1	8	10	0.05	0.73	0.39	0.51	0.02	0.07	0.00	0.06	0.11	0.04	0.79	0.22
1	8	11	0.05	0.70	0.28	0.47	0.00	0.04	0.00	0.06	0.11	0.04	0.78	0.23
1	8	12	0.06	0.66	0.14	0.42	0.00	0.03	0.00	0.06	0.12	0.05	0.78	0.23
1	8	13	0.08	0.62	0.04	0.39	0.00	0.01	0.00	0.06	0.14	0.07	0.79	0.25
1	8	14	0.10	0.58	0.00	0.37	0.00	0.01	0.00	0.06	0.15	0.09	0.79	0.28
1	8	15	0.13	0.53	0.00	0.36	0.00	0.02	0.00	0.07	0.18	0.12	0.79	0.25
1	8	16	0.14	0.38	0.00	0.39	0.00	0.02	0.00	0.08	0.20	0.14	0.79	0.22
1	8	17	0.17	0.17	0.00	0.43	0.00	0.03	0.00	0.10	0.23	0.16	0.82	0.23
1	8	18	0.22	0.08	0.03	0.45	0.00	0.04	0.00	0.15	0.27	0.21	0.81	0.28
1	8	19	0.27	0.08	0.05	0.44	0.00	0.06	0.00	0.21	0.32	0.26	0.81	0.31
1	8	20	0.27	0.10	0.05	0.45	0.00	0.07	0.00	0.11	0.32	0.26	0.81	0.31
1	8	21	0.25	0.15	0.06	0.43	0.00	0.07	0.00	0.06	0.31	0.24	0.79	0.32
1	8	22	0.20	0.18	0.10	0.43	0.00	0.08	0.00	0.05	0.26	0.19	0.76	0.34
1	8	23	0.17	0.27	0.10	0.46	0.00	0.06	0.00	0.05	0.23	0.16	0.74	0.37
1	8	24	0.11	0.24	0.11	0.46	0.00	0.04	0.00	0.06	0.17	0.10	0.72	0.39
1	9	1	0.06	0.11	0.13	0.45	0.00	0.04	0.00	0.07	0.12	0.06	0.71	0.40
1	9	2	0.04	0.08	0.18	0.43	0.00	0.04	0.00	0.07	0.10	0.03	0.68	0.41
1	9	3	0.03	0.09	0.21	0.41	0.00	0.05	0.00	0.05	0.09	0.02	0.66	0.39
1	9	4	0.01	0.08	0.23	0.39	0.00	0.07	0.00	0.04	0.07	0.00	0.62	0.36
1	9	5	0.00	0.08	0.24	0.36	0.00	0.08	0.00	0.03	0.06	0.00	0.59	0.37
1	9	6	0.00	0.09	0.30	0.32	0.00	0.09	0.00	0.03	0.05	0.00	0.56	0.40
1	9	7	0.00	0.09	0.38	0.28	0.00	0.09	0.00	0.02	0.04	0.00	0.52	0.40
1	9	8	0.00	0.11	0.44	0.25	0.00	0.09	0.00	0.01	0.03	0.00	0.47	0.38
1	9	9	0.00	0.11	0.41	0.23	0.00	0.07	0.00	0.00	0.02	0.00	0.36	0.38
1	9	10	0.00	0.10	0.31	0.14	0.00	0.04	0.00	0.00	0.01	0.00	0.21	0.36
1	9	11	0.00	0.09	0.23	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.12	0.37
1	9	12	0.00	0.11	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.39
1	9	13	0.00	0.15	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.35
1	9	14	0.00	0.17	0.18	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27
1	9	15	0.00	0.19	0.28	0.06	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.21
1	9	16	0.00	0.23	0.50	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.21
1	9	17	0.00	0.31	0.73	0.10	0.00	0.06	0.00	0.00	0.02	0.00	0.00	0.28
1	9	18	0.01	0.32	0.77	0.11	0.00	0.10	0.00	0.00	0.06	0.00	0.00	0.24
1	9	19	0.04	0.32	0.74	0.13	0.00	0.10	0.00	0.00	0.10	0.03	0.00	0.23
1	9	20	0.07	0.41	0.62	0.16	0.00	0.10	0.00	0.00	0.13	0.06	0.00	0.19
1	9	21	0.10	0.50	0.65	0.19	0.00	0.10	0.00	0.00	0.16	0.09	0.00	0.13
1	9	22	0.14	0.58	0.77	0.24	0.00	0.06	0.00	0.00	0.20	0.13	0.00	0.07
1	9	23	0.17	0.63	0.86	0.27	0.00	0.05	0.00	0.00	0.23	0.16	0.00	0.04
1	9	24	0.17	0.76	0.87	0.30	0.00	0.05	0.00	0.00	0.23	0.16	0.00	0.03
1	10	1	0.17	0.81	0.89	0.34	0.00	0.03	0.00	0.00	0.22	0.16	0.00	0.06
1	10	2	0.19	0.79	0.91	0.36	0.00	0.00	0.00	0.00	0.25	0.18	0.00	0.18
1	10	3	0.21	0.78	0.92	0.37	0.00	0.01	0.00	0.00	0.27	0.21	0.00	0.22
1	10	4	0.23	0.82	0.88	0.39	0.00	0.00	0.00	0.00	0.29	0.23	0.00	0.13
1	10	5	0.22	0.84	0.77	0.41	0.00	0.00	0.00	0.04	0.28	0.21	0.00	0.06
1	10	6	0.20	0.86	0.64	0.43	0.00	0.00	0.00	0.09	0.25	0.19	0.00	0.05
1	10	7	0.20	0.85	0.52	0.42	0.00	0.01	0.00	0.11	0.26	0.19	0.00	0.03
1	10	8	0.19	0.82	0.51	0.38	0.02	0.02	0.00	0.13	0.25	0.18	0.00	0.01
1	10	9	0.17	0.80	0.59	0.35	0.08	0.02	0.00	0.15	0.22	0.16	0.00	0.01
1	10	10	0.16	0.82	0.56	0.31	0.08	0.00	0.00	0.14	0.22	0.15	0.00	0.00
1	10	11	0.15	0.88	0.59	0.31	0.12	0.00	0.00	0.17	0.21	0.14	0.01	0.03
1	10	12	0.16	0.93	0.64	0.39	0.25	0.00	0.00	0.25	0.21	0.15	0.04	0.11
1	10	13	0.25	0.95	0.71	0.44	0.35	0.00	0.00	0.38	0.30	0.24	0.10	0.23
1	10	14	0.36	0.93	0.72	0.44	0.47	0.00	0.00	0.56	0.41	0.35	0.19	0.34
1	10	15	0.45	0.94	0.73	0.44	0.60	0.00	0.00	0.66	0.50	0.45	0.26	0.39
1	10	16	0.41	0.95	0.73	0.42	0.69	0.00	0.00	0.67	0.46	0.40	0.34	0.38
1	10	17	0.48	0.95	0.70	0.44	0.78	0.00	0.07	0.68	0.52	0.48	0.46	0.34
1	10	18	0.64	0.94	0.71	0.47	0.84	0.00	0.17	0.66	0.67	0.63	0.55	0.35
1	10	19	0.73	0.95	0.67	0.46	0.83	0.67	0.23	0.62	0.75	0.72	0.58	0.40
1	10	20	0.82	0.94	0.67	0.49	0.86	0.97	0.33	0.60	0.84	0.82	0.62	0.45
1	10	21	0.86	0.86	0.69	0.51	0.87	0.99	0.51	0.61	0.88	0.86	0.64	0.41
1	10	22	0.87	0.78	0.67	0.51	0.81	0.84	0.65	0.61	0.88	0.87	0.67	0.41
1	10	23	0.86	0.76	0.66	0.52	0.66	0.75	0.71	0.63	0.87	0.86	0.70	0.51
1	10	24	0.83	0.73	0.65	0.55	0.44	0.82	0.74	0.66	0.85	0.83	0.71	0.59
1	11	1	0.83	0.73	0.65	0.57	0.28	0.83	0.74	0.67	0.85	0.83	0.77	0.55
1	11	2	0.80	0.75	0.55	0.51	0.10	0.57	0.75	0.62	0.82	0.80	0.80	0.57
1	11	3	0.76	0.75	0.37	0.51	0.01	0.24	0.75	0.56	0.78	0.76	0.80	0.54
1	11	4	0.80	0.75	0.28	0.53	0.00	0.23	0.70	0.52	0.82	0.80	0.79	0.49
1	11	5	0.78	0.73	0.25	0.53	0.05	0.43	0.65	0.48	0.80	0.78	0.72	0.44
1	11	6	0.73	0.70	0.24	0.55	0.17	0.68	0.60	0.49	0.75	0.73	0.75	0.42
1	11	7	0.74	0.69	0.22	0.54	0.30	0.85	0.56	0.54	0.76	0.73	0.79	0.40
1	11	8	0.76	0.70	0.24	0.51	0.29	0.82	0.58	0.55	0.78	0.76	0.74	0.37
1	11	9	0.81	0.71	0.46	0.46	0.17	0.70	0.55	0.57	0.82	0.80	0.71	0.31
1	11	10	0.86	0.68	0.66	0.43	0.03	0.55	0.50	0.66	0.88	0.86	0.67	0.25
1	11	11	0.90	0.60	0.66	0.46	0.00	0.58	0.54	0.75	0.90	0.89	0.70	0.29
1	11	12	0.95	0.56	0.64	0.44	0.00	0.54	0.61	0.80	0.96	0.95	0.67	0.26
1	11	13	0.97	0.56	0.61	0.39	0.00	0.46	0.72	0.83	0.98	0.97	0.69	0.26
1	11	14	0.97	0.57	0.60	0.38	0.00	0.41	0.82	0.84	0.98	0.97	0.70	0.26
1	11	15	0.89	0.56	0.57	0.37	0.00	0.39	0.86	0.84	0.89	0.88	0.68	0.28
1	11	16	0.86	0.54	0.49	0.32	0.00	0.49	0.88	0.80	0.87	0.86	0.66	0.36
1	11	17	0.87	0.46	0.40	0.41	0.00	0.63	0.90	0.74	0.89	0.87	0.64	0.45
1	11	18	0.87	0.48	0.35	0.55	0.04	0.79	0.92	0.75	0.89	0.87	0.76	0.59
1	11	19	0.80	0.58	0.38	0.57	0.17	0.61	0.91	0.74	0.82	0.80	0.85	0.79
1	11	20	0.66	0.53	0.40	0.62	0.33	0.38	0.90	0.65	0.68	0.65	0.90	0.85
1	11	21	0.60	0.48	0.31	0.67	0.50	0.27	0.91	0.58	0.63	0.59	0.92	0.89
1	11	22	0.53	0.49	0.20	0.71	0.74	0.28	0.91	0.56	0.57	0.53	0.92	0.95
1	11	23	0.51	0.51	0.15	0.75	0.83	0.49	0.89	0.57	0.55	0.50	0.90	0.93
1	11	24	0.54	0.54	0.10	0.77	0.86	0.47	0.81	0.57	0.58	0.53	0.87	0.92
1	12	1	0.60	0.63	0.06	0.81	0.92	0.69	0.78	0.58	0.64	0.60	0.87	0.90
1	12	2	0.59	0.56	0.04	0.87	0.93	0.82	0.73	0.61	0.62	0.59	0.89	0.87
1	12	3	0.66	0.48	0.02	0.85	0.94	0.87	0.69	0.57	0.69	0.65	0.80	0.85
1	12	4	0.61	0.52	0.00	0.84	0.96	0.96	0.63	0.51	0.64	0.60	0.73	0.82
1	12	5	0.48	0.49	0.00	0.83	0.97	0.92	0.57	0.39	0.52	0.47	0.74	0.70
1	12	6	0.45	0.49	0.00	0.84	0.97	0.90	0.52	0.28	0.49	0.44	0.78	0.69

Month	Day	Hour	Wind: Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	Solar: BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_fo	Northern_Ca	Solano_Sola
1	6	16	0.00	0.28	0.53	0.52	0.60	0.00	0.81	0.34	0.04	0.60	0.52	0.44	0.55	0.44	0.53	0.41	0.52
1	6	17	0.00	0.26	0.48	0.46	0.56	0.01	0.83	0.46	0.20	0.76	0.70	0.11	0.18	0.07	0.18	0.14	0.23
1	6	18	0.00	0.38	0.50	0.48	0.51	0.01	0.87	0.54	0.37	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00
1	6	19	0.00	0.39	0.52	0.50	0.49	0.01	0.92	0.62	0.45	0.97	0.95	0.00	0.00	0.00	0.00	0.00	0.00
1	6	20	0.00	0.40	0.53	0.52	0.43	0.04	0.99	0.64	0.35	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00
1	6	21	0.00	0.41	0.59	0.58	0.35	0.11	0.99	0.66	0.23	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00
1	6	22	0.06	0.41	0.62	0.60	0.35	0.13	0.97	0.75	0.22	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00
1	6	23	0.13	0.39	0.64	0.62	0.41	0.15	0.95	0.81	0.19	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00
1	6	24	0.20	0.41	0.66	0.65	0.41	0.19	0.94	0.77	0.16	0.87	0.85	0.00	0.00	0.00	0.00	0.00	0.00
1	7	1	0.23	0.42	0.69	0.68	0.44	0.20	0.88	0.72	0.20	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00
1	7	2	0.25	0.40	0.75	0.74	0.54	0.20	0.85	0.67	0.34	0.70	0.65	0.00	0.00	0.00	0.00	0.00	0.00
1	7	3	0.22	0.40	0.81	0.80	0.60	0.20	0.85	0.63	0.28	0.71	0.66	0.00	0.00	0.00	0.00	0.00	0.00
1	7	4	0.18	0.43	0.82	0.81	0.70	0.16	0.87	0.65	0.24	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00
1	7	5	0.16	0.45	0.75	0.74	0.73	0.12	0.93	0.64	0.21	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00
1	7	6	0.14	0.52	0.71	0.70	0.77	0.08	0.96	0.65	0.20	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1	7	7	0.12	0.52	0.69	0.68	0.79	0.06	0.98	0.66	0.26	0.77	0.71	0.00	0.00	0.04	0.00	0.00	0.00
1	7	8	0.10	0.55	0.69	0.67	0.81	0.06	0.99	0.67	0.26	0.51	0.42	0.08	0.19	0.41	0.19	0.06	0.00
1	7	9	0.08	0.52	0.68	0.67	0.80	0.04	0.99	0.66	0.18	0.27	0.17	0.37	0.53	0.66	0.52	0.48	0.38
1	7	10	0.07	0.50	0.66	0.65	0.78	0.02	1.00	0.69	0.17	0.18	0.09	0.61	0.75	0.81	0.73	0.71	0.64
1	7	11	0.06	0.48	0.66	0.65	0.77	0.02	1.00	0.69	0.15	0.24	0.13	0.75	0.86	0.83	0.85	0.76	0.78
1	7	12	0.06	0.48	0.65	0.64	0.75	0.01	0.97	0.65	0.13	0.27	0.16	0.83	0.93	0.83	0.91	0.80	0.84
1	7	13	0.06	0.48	0.65	0.63	0.73	0.01	0.91	0.66	0.11	0.37	0.27	0.85	0.94	0.84	0.92	0.88	0.84
1	7	14	0.06	0.47	0.66	0.65	0.74	0.01	0.82	0.66	0.09	0.48	0.38	0.81	0.90	0.86	0.89	0.87	0.81
1	7	15	0.06	0.44	0.67	0.65	0.77	0.00	0.72	0.63	0.08	0.52	0.42	0.69	0.80	0.81	0.78	0.82	0.68
1	7	16	0.06	0.42	0.67	0.65	0.84	0.01	0.60	0.63	0.09	0.54	0.45	0.46	0.57	0.57	0.56	0.64	0.46
1	7	17	0.07	0.38	0.67	0.65	0.90	0.01	0.52	0.66	0.12	0.54	0.46	0.12	0.20	0.11	0.20	0.25	0.19
1	7	18	0.12	0.39	0.67	0.66	0.92	0.01	0.44	0.66	0.14	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00
1	7	19	0.07	0.35	0.69	0.68	0.90	0.01	0.40	0.66	0.14	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00
1	7	20	0.06	0.38	0.70	0.69	0.88	0.00	0.40	0.63	0.12	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00
1	7	21	0.06	0.45	0.70	0.69	0.87	0.00	0.40	0.57	0.12	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00
1	7	22	0.06	0.44	0.70	0.69	0.86	0.00	0.40	0.57	0.12	0.88	0.86	0.00	0.00	0.00	0.00	0.00	0.00
1	7	23	0.06	0.44	0.69	0.68	0.86	0.00	0.39	0.57	0.11	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00
1	7	24	0.06	0.43	0.68	0.67	0.84	0.00	0.39	0.56	0.10	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00
1	8	1	0.06	0.43	0.69	0.68	0.84	0.00	0.40	0.56	0.11	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00
1	8	2	0.06	0.43	0.64	0.62	0.84	0.00	0.39	0.57	0.12	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00
1	8	3	0.06	0.43	0.53	0.52	0.85	0.00	0.42	0.57	0.11	0.87	0.85	0.00	0.00	0.00	0.00	0.00	0.00
1	8	4	0.06	0.42	0.47	0.45	0.85	0.00	0.44	0.57	0.12	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1	8	5	0.06	0.42	0.40	0.38	0.84	0.01	0.46	0.58	0.12	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00
1	8	6	0.06	0.42	0.35	0.33	0.85	0.01	0.46	0.58	0.12	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1	8	7	0.06	0.32	0.32	0.30	0.84	0.01	0.46	0.58	0.12	0.81	0.78	0.00	0.00	0.04	0.00	0.00	0.00
1	8	8	0.06	0.30	0.30	0.28	0.81	0.02	0.45	0.57	0.11	0.80	0.75	0.08	0.19	0.42	0.19	0.09	0.00
1	8	9	0.06	0.28	0.23	0.21	0.75	0.02	0.53	0.53	0.09	0.76	0.71	0.37	0.53	0.67	0.52	0.51	0.39
1	8	10	0.06	0.29	0.18	0.16	0.64	0.02	0.64	0.48	0.06	0.73	0.67	0.60	0.74	0.83	0.73	0.72	0.66
1	8	11	0.06	0.30	0.13	0.11	0.44	0.02	0.72	0.45	0.06	0.70	0.64	0.75	0.86	0.92	0.84	0.79	0.78
1	8	12	0.07	0.30	0.10	0.08	0.33	0.02	0.74	0.43	0.07	0.66	0.59	0.82	0.92	0.96	0.90	0.82	0.83
1	8	13	0.09	0.32	0.08	0.06	0.27	0.03	0.71	0.43	0.09	0.62	0.54	0.84	0.93	0.96	0.91	0.86	0.82
1	8	14	0.11	0.35	0.09	0.07	0.21	0.04	0.70	0.44	0.10	0.58	0.50	0.80	0.89	0.91	0.87	0.84	0.82
1	8	15	0.14	0.32	0.12	0.10	0.19	0.08	0.74	0.46	0.12	0.53	0.44	0.68	0.78	0.83	0.77	0.80	0.70
1	8	16	0.15	0.29	0.20	0.18	0.20	0.12	0.79	0.48	0.16	0.38	0.28	0.46	0.57	0.59	0.56	0.63	0.53
1	8	17	0.18	0.30	0.29	0.27	0.21	0.15	0.77	0.52	0.18	0.17	0.07	0.14	0.22	0.13	0.21	0.25	0.27
1	8	18	0.23	0.35	0.35	0.33	0.20	0.15	0.77	0.53	0.18	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	8	19	0.28	0.38	0.39	0.37	0.15	0.14	0.80	0.52	0.20	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	8	20	0.27	0.37	0.44	0.42	0.12	0.12	0.79	0.51	0.23	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1	8	21	0.26	0.38	0.47	0.45	0.13	0.12	0.71	0.49	0.24	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00
1	8	22	0.21	0.41	0.49	0.47	0.13	0.12	0.59	0.47	0.26	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00
1	8	23	0.18	0.43	0.53	0.51	0.15	0.10	0.49	0.45	0.26	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00
1	8	24	0.12	0.45	0.56	0.55	0.18	0.06	0.46	0.44	0.23	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00
1	9	1	0.07	0.46	0.58	0.57	0.23	0.04	0.45	0.43	0.21	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00
1	9	2	0.05	0.47	0.58	0.57	0.25	0.02	0.45	0.42	0.19	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	9	3	0.04	0.45	0.57	0.56	0.22	0.01	0.53	0.42	0.16	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	9	4	0.02	0.43	0.57	0.56	0.20	0.00	0.60	0.39	0.12	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	9	5	0.01	0.43	0.57	0.55	0.21	0.00	0.61	0.39	0.10	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	9	6	0.00	0.46	0.59	0.57	0.19	0.00	0.60	0.38	0.09	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1	9	7	0.00	0.46	0.60	0.59	0.19	0.00	0.68	0.35	0.09	0.09	0.01	0.00	0.00	0.04	0.00	0.00	0.00
1	9	8	0.00	0.45	0.61	0.60	0.24	0.01	0.72	0.33	0.09	0.11	0.02	0.08	0.19	0.43	0.19	0.09	0.00
1	9	9	0.00	0.45	0.61	0.60	0.35	0.02	0.74	0.29	0.05	0.11	0.02	0.36	0.52	0.67	0.51	0.51	0.36
1	9	10	0.00	0.42	0.62	0.61	0.44	0.02	0.76	0.19	0.02	0.10	0.01	0.59	0.73	0.81	0.72	0.73	0.65
1	9	11	0.00	0.44	0.64	0.62	0.46	0.02	0.82	0.08	0.03	0.09	0.01	0.73	0.85	0.90	0.83	0.82	0.80
1	9	12	0.00	0.45	0.67	0.65	0.50	0.01	0.86	0.01	0.02	0.11	0.02	0.80	0.89	0.92	0.87	0.82	0.85
1	9	13	0.00	0.41	0.74	0.73	0.55	0.01	0.86	0.00	0.01	0.15	0.05	0.82	0.90	0.94	0.89	0.85	0.84
1	9	14	0.00	0.34	0.81	0.80	0.60	0.01	0.82	0.00	0.01	0.17	0.07	0.77	0.86	0.93	0.84	0.80	0.82
1	9	15	0.00	0.28	0.80	0.79	0.69	0.02	0.80	0.00	0.00	0.19	0.08	0.65	0.75	0.86	0.74	0.73	0.69
1	9	16	0.00	0.28	0.76	0.75	0.78	0.05	0.79	0.00	0.02	0.22	0.12	0.44	0.54	0.60	0.53	0.56	0.52
1	9	17	0.00	0.36	0.68	0.67	0.80	0.12	0.79	0.00	0.04	0.31	0.20	0.13	0.21	0.13	0.20	0.22	0.27
1	9	18	0.02	0.31	0.64	0.63	0.78	0.22	0.75	0.00	0.05	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00
1	9	19	0.05	0.30	0.61	0.60	0.85	0.36	0.70	0.01	0.06	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00
1	9	20	0.08	0.26	0.61	0.60	0.90	0.48	0.64	0.01	0.07	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00
1	9	21	0.11	0.20	0.69	0.68	0.92	0.59	0.64	0.02	0.08	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00
1	9	22	0.15	0.14	0.76	0.75	0.95	0.64	0.67	0.02	0.10	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00
1	9	23	0.18	0.11	0.78	0.77	0.95	0.70	0.71	0.02	0.11	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00
1	9	24	0.18	0.10	0.74	0.73	0.91	0.76	0.76	0.04	0.14	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00
1	10	1	0.18	0.13	0.70	0.69	0.81	0.80	0.79	0.04	0.16	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00
1	10	2	0.20	0.26	0.68	0.67	0.78	0.82	0.79	0.05	0.16	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00
1	10	3	0.22	0.29	0.64	0.63	0.80	0.84	0.77	0.04	0.18	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00
1	10	4	0.24	0.20	0.63	0.62	0.81	0.87	0.81	0.03	0.17	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00
1	10	5	0.23	0.13	0.63	0.62	0.83	0.87	0.88	0.03	0.18	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00
1	10	6	0.21	0.12	0.65	0.64	0.81	0.85	0.87	0.02	0.19	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00
1	10	7	0.21	0.10	0.67	0.66	0.83	0.86	0.81	0.03	0.19	0.85	0.82	0.00	0.00	0.03	0.00	0.00	0.00
1	10	8	0.20	0.08	0.66	0.64	0.85	0.86	0.69	0.04	0.21	0.82	0.78	0.01	0.03	0.34	0.03	0.07	0.00
1	10	9	0.18	0.08	0.73	0.72	0.87	0.86	0.65	0.04	0.17	0.80	0.76	0.14	0.21	0.55	0.20	0.34	0.22
1	10	10	0.17	0.07	0.79	0.78	0.69	0.90	0.72	0.04	0.15	0.82	0.78	0.31	0.39	0.66	0.38	0.53	0.32
1	10	11	0.16	0.10	0.80	0.79	0.52	0.94	0.76	0.06	0.19	0.88	0.85	0.42	0.48	0.65	0.47	0.53	0.32
1	10	12	0.17	0.18	0.75	0.74	0.46	0.91	0.80	0.09	0.25	0.93	0.92	0.52	0.57	0.67	0.56	0.32	0.50
1	10	13	0.26	0.30	0.70	0.69	0.38	0.89	0.85	0.16	0.30	0.95	0.94	0.51	0.57	0.69	0.56	0.25	0.53
1	10	14	0.37	0.40	0.68	0.67	0.35	0.91	0.86	0.27	0.35	0.93	0.92	0.48	0.53	0.66	0.52	0.45	0.52
1	10	15	0.46	0.46	0.57	0.56	0.30	0.94	0.84	0.34	0.38	0.94	0.92	0.40	0.46	0.55	0.45	0.46	0.68
1	10	16	0.42	0.44	0.59	0.58	0.23	0.94	0.86	0.33	0.42	0.95	0.94	0.29	0.36	0.36	0.35	0.35	0.54
1	10	17	0.49	0.41	0.62	0.60	0.19	0.94	0.89	0.42	0.52	0.95	0.93	0.09	0.14	0.07	0.13	0.16	0.31
1	10	18	0.64	0.42	0.60	0.59	0.20	0.94	0.92	0.47	0.59	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00
1	10	19	0.73	0.46	0.50	0.48	0.21	0.94	0.92	0.53	0.63	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00
1	10	20	0.83	0.52	0.43	0.41	0.19	0.97	0.86	0.63	0.64	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00
1	10	21	0.87	0.47	0.34	0.32	0.16	0.99	0.76	0.70	0.66	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00
1	10	22	0.87	0.47	0.33	0.31	0.16	0.99	0.62	0.76	0.69	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00
1	10	23	0.86	0.56	0.36	0.34	0.18	0.98	0.55	0.77	0.74	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00
1	10	24	0.83	0.64	0.32	0.29	0.20	0.98	0.55	0.73	0.76	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
1	11	1	0.84	0.60	0.27	0.25	0.22	0.97	0.55	0.74	0.76	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00
1	11	2	0.81	0.62	0.29	0.27	0.23	0.97	0.62	0.79	0.76	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00
1	11	3	0.76	0.59	0.29	0.27	0.22	0.98	0.56	0.81	0.78	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00
1	11	4	0.80	0.55	0.29	0.27	0.20	0.97	0.49	0.82	0.79	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00
1	11	5	0.78	0.50	0.33	0.31	0.22	0.96	0.43	0.84	0.78	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00
1	11	6	0.74	0.48	0.28	0.26	0.28	0.96	0.45	0.84	0.77	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00
1	11	7	0.74	0.46	0.28	0.26	0.35	0.95	0.50	0.83	0.76	0.69	0.63	0.00	0.00	0.03	0.00	0.00	0.00
1	11	8	0.76	0.44	0.27	0.25	0.35	0.93	0.49	0.75	0.76	0.70	0.64	0.07	0.16	0.36	0.16	0.08	0.01
1	11	9	0.81	0.38	0.27	0.25	0.32	0.90	0.45	0.68	0.75	0.71	0.65	0.30	0.43	0.58	0.42	0.47	0.42
1	11	10	0.87	0.32	0.32	0.30	0.29	0.83	0.42	0.68	0.74	0.68	0.62	0.49	0.61	0.69	0.60	0.79	0.68
1	11	11	0.90	0.36	0.37	0.35	0.33	0.79	0.46	0.71	0.76	0.60	0.52	0.60	0.69	0.71	0.68	0.94	0.80
1	11	12	0.95	0.33	0.42	0.40	0.41	0.86	0.46	0.72	0.77	0.56	0.48	0.66	0.73	0.67	0.72	0.94	0.86
1	11	13	0.97	0.33	0.53	0.51	0.50	0.86	0.47	0.74	0.77	0.56	0.48	0.65	0.71	0.71	0.70	0.81	0.87
1	11	14	0.97	0.33	0.57	0.55	0.61	0.78	0.50	0.78	0.78	0.57	0.48	0.59	0.66	0.62	0.65	0.81	0.85
1	11	15	0.89	0.34	0.56	0.55	0.71	0.67	0.49	0.84	0.78	0.56	0.48	0.47	0.55	0.52	0.54	0.80	0.75
1	11	16	0.86	0.43	0.53	0.51	0.74	0.60	0.48	0.88	0.77	0.54	0.45	0.31	0.38	0.43	0.37	0.51	0.56
1	11	17	0.88	0.50	0.50	0.48	0.76	0.62	0.47	0.88	0.71	0.46	0.37	0.09	0.14	0.10	0.14	0.23	0.31
1	11	18	0.88	0.63	0.51	0.49	0.82	0.56	0.46	0.87	0.68	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00
1	11	19	0.81	0.82	0.51	0.50	0.86	0.57	0.45	0.88	0.58	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00
1	11	20	0.66	0.86	0.48	0.47	0.91	0.61	0.44	0.90	0.54	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00
1	11	21	0.61	0.90	0.44	0.42	0.94	0.60	0.41	0.90	0.54	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00
1	11	22	0.54	0.96	0.39	0.37	0.95	0.62	0.37	0.81	0.53	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00
1	11	23	0.52	0.94	0.36	0.33	0.95	0.59	0.33	0.81	0.51	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1	11	24	0.55	0.93	0.34	0.32	0.94	0.57	0.31	0.72	0.47	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00
1	12	1	0.61	0.91	0.33	0.31	0.92	0.61	0.28	0.62	0.47	0.63	0.54	0.00	0.00	0.00	0.00	0.00	0.00
1	12	2	0.60	0.89	0.30	0.27	0.89	0.66	0.26	0.49	0.53	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00
1	12	3	0.66	0.87	0.27	0.25	0.80	0.63	0.24	0.44	0.58	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00
1	12	4	0.61	0.85	0.25	0.22	0.71	0.60	0.23	0.38	0.61	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00
1	12	5	0.48	0.73	0.23	0.21	0.66	0.59	0.22	0.39	0.63	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00
1	12	6	0.46	0.72	0.23	0.20	0.58	0.57	0.23	0.32	0.65	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar: Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
1	6	16	0.52	0.59	0.67	0.70	0.71	0.57	0.62	0.60	0.63	0.62	0.26	0.59	0.56	0.45	1.00	1.00	1.00
1	6	17	0.20	0.22	0.38	0.27	0.25	0.14	0.18	0.19	0.21	0.18	0.05	0.16	0.11	0.00	1.00	1.00	1.00
1	6	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.19	1.00	1.00	1.00
1	7	8	0.01	0.12	0.15	0.28	0.40	0.46	0.42	0.41	0.39	0.42	0.24	0.36	0.56	0.74	1.00	1.00	1.00
1	7	9	0.43	0.53	0.55	0.70	0.74	0.75	0.74	0.70	0.72	0.73	0.42	0.60	0.80	0.94	1.00	1.00	1.00
1	7	10	0.68	0.73	0.77	0.92	0.91	0.89	0.89	0.84	0.90	0.89	0.52	0.70	0.94	1.00	1.00	1.00	1.00
1	7	11	0.80	0.86	0.89	1.00	1.00	1.00	0.98	0.88	0.98	0.97	0.63	0.72	1.00	1.00	1.00	1.00	1.00
1	7	12	0.86	0.91	0.94	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.59	0.76	1.00	1.00	1.00	1.00	1.00
1	7	13	0.87	0.89	0.95	1.00	1.00	1.00	1.00	0.93	1.00	1.00	0.50	0.83	0.98	1.00	1.00	1.00	1.00
1	7	14	0.83	0.87	0.92	1.00	1.00	1.00	0.99	0.93	0.98	0.98	0.63	0.78	0.94	0.97	1.00	1.00	1.00
1	7	15	0.73	0.78	0.83	0.95	0.93	0.90	0.89	0.83	0.88	0.89	0.64	0.76	0.85	0.79	1.00	1.00	1.00
1	7	16	0.49	0.58	0.62	0.74	0.74	0.65	0.68	0.57	0.62	0.67	0.51	0.61	0.57	0.37	1.00	1.00	1.00
1	7	17	0.19	0.23	0.35	0.30	0.27	0.19	0.22	0.18	0.22	0.22	0.09	0.17	0.11	0.00	1.00	1.00	1.00
1	7	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.18	1.00	1.00	1.00
1	8	8	0.01	0.14	0.17	0.31	0.41	0.45	0.40	0.39	0.37	0.40	0.30	0.36	0.54	0.74	1.00	1.00	1.00
1	8	9	0.44	0.53	0.56	0.69	0.74	0.75	0.72	0.65	0.67	0.71	0.50	0.60	0.78	0.93	1.00	1.00	1.00
1	8	10	0.68	0.74	0.77	0.90	0.90	0.90	0.88	0.85	0.85	0.87	0.65	0.70	0.92	1.00	1.00	1.00	1.00
1	8	11	0.81	0.84	0.87	1.00	1.00	0.97	0.97	0.91	0.95	0.96	0.62	0.81	0.98	1.00	1.00	1.00	1.00
1	8	12	0.87	0.88	0.91	1.00	1.00	1.00	1.00	0.96	0.99	1.00	0.64	0.85	1.00	1.00	1.00	1.00	1.00
1	8	13	0.86	0.91	0.94	1.00	1.00	1.00	0.99	0.97	1.00	0.98	0.72	0.85	0.97	1.00	1.00	1.00	1.00
1	8	14	0.83	0.85	0.90	1.00	1.00	0.98	0.96	0.95	0.93	0.95	0.76	0.83	0.94	0.99	1.00	1.00	1.00
1	8	15	0.73	0.77	0.80	0.92	0.89	0.88	0.87	0.87	0.84	0.86	0.70	0.78	0.85	0.79	1.00	1.00	1.00
1	8	16	0.56	0.59	0.62	0.71	0.70	0.68	0.61	0.63	0.60	0.60	0.54	0.63	0.59	0.40	1.00	1.00	1.00
1	8	17	0.27	0.25	0.36	0.29	0.26	0.22	0.19	0.22	0.21	0.19	0.12	0.19	0.14	0.00	1.00	1.00	1.00
1	8	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
1	8	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.19	1.00	1.00	1.00
1	9	8	0.01	0.13	0.17	0.30	0.41	0.45	0.42	0.34	0.37	0.42	0.37	0.37	0.52	0.72	1.00	1.00	1.00
1	9	9	0.43	0.53	0.56	0.67	0.74	0.73	0.72	0.64	0.66	0.72	0.57	0.63	0.74	0.92	1.00	1.00	1.00
1	9	10	0.67	0.72	0.76	0.87	0.91	0.88	0.88	0.78	0.82	0.88	0.67	0.72	0.83	1.00	1.00	1.00	1.00
1	9	11	0.78	0.83	0.87	0.98	0.99	0.96	0.96	0.87	0.89	0.96	0.79	0.83	0.88	1.00	1.00	1.00	1.00
1	9	12	0.85	0.85	0.93	1.00	1.00	0.99	1.00	0.94	0.91	0.99	0.74	0.86	0.95	1.00	1.00	1.00	1.00
1	9	13	0.84	0.86	0.92	1.00	1.00	1.00	0.99	0.96	0.92	0.98	0.79	0.84	0.92	1.00	1.00	1.00	1.00
1	9	14	0.81	0.81	0.88	0.97	0.97	0.96	0.95	0.92	0.89	0.94	0.88	0.87	0.90	0.93	1.00	1.00	1.00
1	9	15	0.71	0.76	0.76	0.87	0.85	0.87	0.85	0.84	0.75	0.84	0.80	0.82	0.82	0.77	1.00	1.00	1.00
1	9	16	0.51	0.59	0.55	0.71	0.64	0.69	0.59	0.60	0.54	0.59	0.56	0.62	0.59	0.42	1.00	1.00	1.00
1	9	17	0.25	0.26	0.32	0.30	0.24	0.23	0.19	0.21	0.19	0.19	0.12	0.19	0.14	0.00	1.00	1.00	1.00
1	9	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
1	9	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	9	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18	1.00	1.00	1.00
1	10	8	0.01	0.09	0.04	0.07	0.10	0.04	0.06	0.00	0.01	0.06	0.38	0.25	0.24	0.72	1.00	1.00	1.00
1	10	9	0.42	0.40	0.26	0.16	0.15	0.35	0.20	0.04	0.07	0.19	0.54	0.45	0.36	0.95	1.00	1.00	1.00
1	10	10	0.65	0.57	0.56	0.39	0.42	0.52	0.26	0.10	0.25	0.25	0.67	0.60	0.42	1.00	1.00	1.00	1.00
1	10	11	0.68	0.73	0.65	0.42	0.61	0.61	0.39	0.28	0.26	0.39	0.78	0.64	0.32	1.00	1.00	1.00	1.00
1	10	12	0.74	0.81	0.84	0.50	0.70	0.91	0.64	0.29	0.25	0.63	0.72	0.68	0.28	0.92	1.00	1.00	1.00
1	10	13	0.43	0.84	0.83	0.71	0.74	0.88	0.61	0.20	0.37	0.60	0.85	0.69	0.19	0.74	1.00	1.00	1.00
1	10	14	0.25	0.80	0.86	0.78	0.67	0.83	0.51	0.20	0.14	0.50	0.73	0.72	0.12	0.66	1.00	1.00	1.00
1	10	15	0.38	0.64	0.81	0.53	0.61	0.75	0.20	0.07	0.18	0.20	0.65	0.59	0.10	0.55	1.00	1.00	1.00
1	10	16	0.45	0.43	0.62	0.45	0.43	0.50	0.21	0.19	0.09	0.20	0.49	0.42	0.17	0.28	1.00	1.00	1.00
1	10	17	0.21	0.19	0.36	0.17	0.14	0.14	0.04	0.04	0.01	0.04	0.11	0.12	0.01	0.00	1.00	1.00	1.00
1	10	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	1.00	1.00	1.00
1	11	8	0.01	0.08	0.03	0.16	0.38	0.39	0.42	0.42	0.33	0.42	0.40	0.35	0.41	0.64	1.00	1.00	1.00
1	11	9	0.40	0.18	0.24	0.34	0.69	0.73	0.68	0.72	0.59	0.67	0.70	0.65	0.71	0.73	1.00	1.00	1.00
1	11	10	0.66	0.20	0.49	0.45	0.75	0.91	0.80	0.84	0.67	0.80	0.76	0.74	0.84	0.84	1.00	1.00	1.00
1	11	11	0.80	0.23	0.56	0.46	0.72	0.99	0.81	0.93	0.73	0.80	0.83	0.72	0.93	0.73	1.00	1.00	1.00
1	11	12	0.87	0.32	0.60	0.44	0.80	1.00	0.72	0.88	0.85	0.71	0.70	0.68	0.91	0.78	1.00	1.00	1.00
1	11	13	0.87	0.23	0.65	0.55	0.87	1.00	0.55	0.93	0.72	0.55	0.65	0.65	0.88	0.72	1.00	1.00	1.00
1	11	14	0.80	0.27	0.62	0.39	0.87	0.93	0.52	0.78	0.65	0.51	0.54	0.52	0.84	0.69	1.00	1.00	1.00
1	11	15	0.74	0.25	0.59	0.31	0.74	0.69	0.34	0.62	0.44	0.34	0.26	0.42	0.74	0.45	1.00	1.00	1.00
1	11	16	0.57	0.19	0.51	0.18	0.59	0.48	0.29	0.31	0.31	0.29	0.27	0.42	0.52	0.26	1.00	1.00	1.00
1	11	17	0.32	0.07	0.20	0.04	0.22	0.13	0.08	0.09	0.10	0.08	0.08	0.11	0.12	0.00	1.00	1.00	1.00
1	11	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
1	11	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	11	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather			Wind																						Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
1	12	7	0.42	0.44	0.00	0.86	0.98	0.95	0.49	0.21	0.46	0.41	0.79	0.73	0.43	0.76	0.22	0.20	0.53	0.54	0.23	0.30	0.67	0.44	0.34	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.15	1.00	1.00	1.00
1	12	8	0.41	0.41	0.00	0.85	0.97	0.86	0.44	0.14	0.45	0.40	0.72	0.72	0.42	0.75	0.21	0.19	0.45	0.51	0.24	0.29	0.67	0.41	0.31	0.04	0.10	0.25	0.10	0.09	0.01	0.01	0.10	0.17	0.30	0.26	0.07	0.07	0.15	0.32	0.07	0.11	0.21	0.32	0.55	1.00	1.00	1.00
1	12	9	0.47	0.43	0.00	0.82	0.97	0.70	0.35	0.06	0.52	0.47	0.65	0.75	0.48	0.77	0.18	0.16	0.31	0.47	0.25	0.29	0.76	0.43	0.32	0.24	0.36	0.38	0.35	0.55	0.42	0.45	0.50	0.60	0.64	0.57	0.03	0.10	0.28	0.50	0.10	0.18	0.38	0.41	0.61	1.00	1.00	1.00
1	12	10	0.52	0.45	0.00	0.77	0.97	0.45	0.31	0.02	0.56	0.51	0.65	0.80	0.52	0.83	0.16	0.14	0.26	0.47	0.24	0.25	0.88	0.45	0.35	0.42	0.52	0.47	0.51	0.80	0.69	0.70	0.62	0.83	0.73	0.67	0.15	0.18	0.22	0.65	0.18	0.32	0.45	0.50	0.62	1.00	1.00	1.00
1	12	11	0.54	0.55	0.00	0.81	0.96	0.36	0.29	0.01	0.58	0.53	0.59	0.79	0.54	0.82	0.17	0.15	0.26	0.46	0.24	0.23	0.89	0.55	0.46	0.54	0.62	0.49	0.61	0.89	0.80	0.84	0.67	0.94	0.80	0.74	0.07	0.33	0.46	0.66	0.32	0.26	0.45	0.54	0.54	1.00	1.00	1.00
1	12	12	0.42	0.62	0.00	0.84	0.98	0.47	0.28	0.00	0.47	0.42	0.46	0.75	0.43	0.77	0.18	0.16	0.28	0.45	0.24	0.25	0.89	0.62	0.54	0.63	0.70	0.46	0.69	0.96	0.87	0.90	0.70	0.99	0.81	0.90	0.18	0.50	0.29	0.90	0.49	0.25	0.57	0.50	0.40	1.00	1.00	1.00
1	12	13	0.33	0.69	0.00	0.85	0.99	0.65	0.28	0.00	0.38	0.32	0.37	0.73	0.34	0.76	0.19	0.17	0.30	0.43	0.24	0.29	0.94	0.69	0.62	0.70	0.77	0.48	0.76	0.92	0.89	0.89	0.66	0.97	0.69	0.89	0.67	0.67	0.67	0.81	0.66	0.31	0.62	0.44	0.29	1.00	1.00	1.00
1	12	14	0.31	0.69	0.00	0.87	1.00	0.87	0.29	0.00	0.36	0.30	0.33	0.74	0.31	0.76	0.20	0.18	0.30	0.42	0.24	0.35	0.97	0.69	0.62	0.68	0.75	0.41	0.74	0.92	0.86	0.87	0.69	0.93	0.63	0.75	0.62	0.77	0.87	0.61	0.76	0.33	0.59	0.37	0.30	1.00	1.00	1.00
1	12	15	0.31	0.66	0.00	0.88	0.99	0.81	0.32	0.01	0.36	0.30	0.28	0.81	0.31	0.84	0.21	0.19	0.28	0.44	0.23	0.40	0.94	0.66	0.59	0.61	0.71	0.44	0.69	0.91	0.78	0.78	0.62	0.81	0.68	0.71	0.88	0.70	0.54	0.71	0.70	0.24	0.59	0.30	0.33	1.00	1.00	1.00
1	12	16	0.31	0.64	0.00	0.84	0.99	0.60	0.41	0.00	0.36	0.30	0.20	0.75	0.32	0.78	0.21	0.18	0.27	0.48	0.24	0.43	0.85	0.64	0.56	0.43	0.53	0.34	0.52	0.71	0.59	0.56	0.51	0.67	0.67	0.56	0.67	0.55	0.32	0.54	0.55	0.37	0.47	0.21	0.17	1.00	1.00	1.00
1	12	17	0.33	0.58	0.00	0.85	0.99	0.92	0.47	0.01	0.39	0.33	0.14	0.54	0.34	0.59	0.21	0.18	0.33	0.48	0.24	0.44	0.83	0.58	0.50	0.13	0.20	0.07	0.20	0.30	0.33	0.30	0.23	0.23	0.30	0.21	0.21	0.19	0.11	0.20	0.18	0.08	0.12	0.03	0.00	1.00	1.00	1.00
1	12	18	0.37	0.50	0.00	0.85	1.00	1.00	0.55	0.02	0.42	0.37	0.20	0.42	0.38	0.47	0.23	0.21	0.40	0.49	0.22	0.43	0.88	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	19	0.40	0.31	0.00	0.78	1.00	1.00	0.51	0.02	0.44	0.39	0.26	0.46	0.40	0.52	0.24	0.22	0.52	0.46	0.21	0.36	0.94	0.31	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	20	0.40	0.36	0.00	0.72	0.99	0.99	0.45	0.00	0.44	0.39	0.33	0.53	0.40	0.58	0.23	0.21	0.65	0.38	0.22	0.26	0.93	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	21	0.40	0.41	0.00	0.69	0.96	0.94	0.46	0.00	0.44	0.39	0.42	0.54	0.41	0.60	0.21	0.18	0.73	0.29	0.21	0.26	0.95	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	22	0.46	0.45	0.00	0.67	0.93	0.94	0.52	0.04	0.50	0.45	0.43	0.49	0.47	0.55	0.19	0.17	0.77	0.25	0.20	0.32	0.94	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	23	0.48	0.48	0.00	0.68	0.91	0.95	0.48	0.11	0.52	0.47	0.42	0.43	0.49	0.49	0.17	0.15	0.74	0.21	0.20	0.31	0.91	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	12	24	0.47	0.46	0.00	0.68	0.91	0.78	0.42	0.23	0.51	0.46	0.42	0.39	0.48	0.45	0.16	0.14	0.69	0.19	0.19	0.30	0.86	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	1	0.44	0.54	0.00	0.65	0.91	0.52	0.36	0.32	0.49	0.43	0.48	0.33	0.45	0.40	0.14	0.11	0.65	0.17	0.16	0.33	0.81	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	2	0.42	0.63	0.00	0.61	0.90	0.72	0.34	0.42	0.47	0.41	0.55	0.29	0.43	0.36	0.11	0.09	0.57	0.15	0.14	0.35	0.75	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	3	0.38	0.69	0.00	0.57	0.86	0.85	0.29	0.53	0.43	0.37	0.59	0.27	0.39	0.34	0.07	0.06	0.46	0.12	0.12	0.35	0.68	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	4	0.36	0.71	0.00	0.54	0.83	0.64	0.21	0.57	0.41	0.36	0.65	0.27	0.37	0.34	0.05	0.04	0.34	0.09	0.08	0.37	0.61	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	5	0.42	0.71	0.00	0.51	0.84	0.71	0.16	0.58	0.46	0.41	0.72	0.30	0.42	0.37	0.05	0.03	0.26	0.09	0.06	0.38	0.55	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	6	0.43	0.74	0.00	0.50	0.85	0.51	0.13	0.63	0.47	0.42	0.75	0.36	0.43	0.42	0.04	0.03	0.21	0.07	0.04	0.40	0.40	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	7	0.40	0.76	0.00	0.48	0.85	0.34	0.12	0.68	0.44	0.39	0.77	0.39	0.41	0.46	0.03	0.02	0.19	0.07	0.03	0.43	0.20	0.75	0.70	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	1.00	1.00	1.00
1	13	8	0.39	0.78	0.00	0.43	0.74	0.35	0.11	0.64	0.44	0.38	0.72	0.44	0.40	0.50	0.03	0.02	0.18	0.06	0.02	0.41	0.09	0.78	0.73	0.07	0.17	0.27	0.17	0.10	0.01	0.01	0.12	0.17	0.32	0.41	0.47	0.43	0.32	0.11	0.43	0.17	0.37	0.22	0.39	1.00	1.00	1.00
1	13	9	0.29	0.70	0.02	0.35	0.43	0.20	0.08	0.44	0.34	0.28	0.63	0.48	0.30	0.54	0.03	0.02	0.17	0.05	0.02	0.36	0.04	0.70	0.64	0.33	0.49	0.51	0.48	0.53	0.42	0.44	0.51	0.61	0.74	0.75	0.81	0.77	0.51	0.13	0.76	0.28	0.67	0.42	0.47	1.00	1.00	1.00
1	13	10	0.30	0.73	0.03	0.23	0.08	0.05	0.03	0.34	0.35	0.29	0.63	0.51	0.31	0.56	0.02	0.01	0.13	0.05	0.02	0.35	0.04	0.73	0.69	0.57	0.71	0.61	0.70	0.75	0.69	0.71	0.73	0.83	0.96	0.95	0.98	0.93	0.77	0.14	0.93	0.37	0.79	0.50	0.51	1.00	1.00	1.00
1	13	11	0.23	0.91	0.04	0.16	0.00	0.03	0.00	0.28	0.29	0.22	0.62	0.49	0.24	0.54	0.02	0.01	0.09	0.04	0.03	0.37	0.05	0.91	0.88	0.72	0.83	0.55	0.81	0.78	0.83	0.84	0.82	0.96	1.00	1.00	1.00	1.00	0.91	0.22	1.00	0.33	0.85	0.48	0.44	1.00	1.00	1.00
1	13	12	0.17	0.94	0.06	0.12	0.00	0.02	0.00	0.20	0.23	0.16	0.59	0.47	0.18	0.53	0.02	0.01	0.08	0.04	0.04	0.40	0.06	0.94	0.92	0.82	0.90	0.56	0.88	0.74	0.89	0.90	0.85	1.00	1.00	1.00	1.00	1.00	0.99	0.55	1.00	0.34	0.83	0.55	0.47	1.00	1.00	1.00
1	13	13	0.12	0.93	0.04	0.10	0.00	0.02	0.02	0.13	0.18	0.11	0.55	0.40	0.13	0.46	0.02	0.01	0.08	0.05	0.06	0.45	0.07	0.93	0.91	0.86	0.93	0.63	0.91	0.70	0.89	0.91	0.83	1.00	1.00	1.00	1.00	1.00	1.00	0.74	1.00	0.37	0.88	0.50	0.47	1.00	1.00	1.00
1	13	14	0.13	0.86	0.03	0.08	0.00	0.00	0.05	0.09	0.19	0.12	0.55	0.31	0.14	0.38	0.02	0.01	0.11	0.07	0.09	0.49	0.05	0.86	0.83	0.82	0.91	0.64	0.89	0.67	0.85	0.86	0.86	0.99	1.00	1.00	1.00	1.00	1.00	0.87	1.00	0.37	0.89	0.54	0.53	1.00	1.00	1.00
1	13	15	0.12	0.83	0.03	0.06	0.00	0.01	0.09	0.04	0.18	0.11	0.51	0.27	0.13	0.34	0.03	0.02	0.14	0.08	0.11	0.53	0.03	0.83	0.79	0.72	0.83	0.62	0.82	0.57	0.76	0.79	0.78	0.91	1.00	0.99	0.99	0.97	0.96	0.91	0.97	0.42	0.90	0.52	0.42	1.00	1.00	1.00
1	13	16	0.12	0.64	0.03	0.05	0.00	0.01	0.10	0.00	0.17	0.11	0.49	0.27	0.13	0.34	0.04	0.02	0.19	0.08	0.16	0.55	0.02	0.64	0.57	0.50	0.62	0.50	0.61	0.42	0.58	0.61	0.62	0.71	0.81	0.79	0.75	0.72	0.72	0.67	0.72	0.46	0.72	0.39	0.15	1.00	1.00	1.00
1	13	17	0.10	0.49	0.04	0.06	0.00	0.00	0.14	0.00	0.16	0.09	0.52	0.23	0.11	0.30	0.05	0.03	0.25	0.07	0.16	0.56	0.02	0.49	0.41	0.15	0.23	0.13	0.23	0.18	0.25	0.34	0.30	0.22	0.38	0.30	0.24	0.25	0.26	0.25	0.25	0.11	0.24	0.09	0.00	1.00	1.00	1.00
1	13	18	0.10	0.57	0.04	0.04	0.00	0.00	0.23	0.00	0.16	0.09	0.51	0.21	0.11	0.28	0.06	0.04	0.25	0.06	0.15	0.63	0.01	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
1	13	19	0.10	0.63	0.04	0.03	0.00	0.00	0.23	0.00	0.16	0.09	0.47	0.25	0.11	0.32	0.07	0.05	0.22	0.06	0.15	0.64	0.00	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	20	0.08	0.63	0.05	0.03	0.00	0.00	0.14	0.00	0.14	0.07	0.48	0.31	0.09	0.38	0.08	0.06	0.19	0.06	0.18	0.65	0.01	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	21	0.06	0.58	0.04	0.04	0.00	0.00	0.12	0.00	0.11	0.05	0.46	0.35	0.07	0.42	0.08	0.06	0.16	0.05	0.21	0.65	0.02	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	22	0.08	0.60	0.02	0.05	0.00	0.00	0.13	0.00	0.13	0.07	0.44	0.29	0.09	0.36	0.10	0.08	0.13	0.04	0.22	0.64	0.02	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	23	0.07	0.58	0.00	0.05	0.00	0.00	0.14	0.00	0.13	0.06	0.41	0.21	0.08	0.28	0.13	0.11	0.07	0.03	0.19	0.65	0.00	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	13	24	0.06	0.64	0.00	0.05	0.00	0.00	0.13	0.00	0.12	0.05	0.37	0.21	0.07	0.29	0.14	0.12	0.05	0.02	0.15	0.61	0.00	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	1	0.04	0.67	0.00	0.06	0.00	0.00	0.10	0.00	0.10	0.03	0.33	0.15	0.05	0.22	0.14	0.12	0.04	0.02	0.14	0.54	0.00	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	2	0.01	0.70	0.00	0.07	0.00	0.00	0.06	0.00	0.07	0.00	0.31	0.16	0.02	0.24	0.15	0.13	0.03	0.02	0.15	0.49	0.00	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	3	0.00	0.79	0.00	0.09	0.00	0.00	0.02	0.00	0.05	0.00	0.23	0.15	0.01	0.23	0.16	0.14	0.02	0.02	0.15	0.46	0.00	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	4	0.00	0.79	0.00	0.13	0.00	0.00	0.00	0.00	0.05	0.00	0.23	0.10	0.01	0.17	0.17	0.15	0.01	0.03	0.16	0.43	0.02	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	5	0.00	0.80	0.00	0.18	0.00	0.00	0.00	0.00	0.04	0.00	0.24	0.06	0.00	0.14	0.18	0.16	0.01	0.03	0.16	0.40	0.05	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	6	0.00	0.83	0.00	0.20	0.00	0.00	0.00	0.00	0.03	0.00	0.17	0.05	0.00	0.12	0.18	0.16	0.02	0.03	0.15	0.40	0.07	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	7	0.00	0.86	0.00	0.26	0.00	0.00	0.00	0.00	0.03	0.00	0.12	0.05	0.00	0.12	0.17	0.14	0.03	0.03	0.14	0.38	0.06	0.86	0.83	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.15	1.00	1.00	1.00
1	14	8	0.00	0.91	0.00	0.31	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.07	0.00	0.14	0.13	0.11	0.03	0.03	0.14	0.32	0.03	0.91	0.89	0.08	0.20	0.32	0.20	0.12	0.01	0.02	0.14	0.17	0.32	0.39	0.47	0.42	0.40	0.42	0.42	0.30	0.31	0.46	0.39	1.00	1.00	1.00
1	14	9	0.00	0.95	0.00	0.32	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.04	0.00	0.11	0.10	0.08	0.04	0.03	0.19	0.21	0.00	0.95	0.94	0.38	0.56	0.57	0.55	0.54	0.42	0.45	0.56	0.61	0.75	0.77	0.81	0.77	0.67	0.77	0.76	0.40	0.58	0.74	0.56	1.00	1.00	1.00
1	14	10	0.00	0.96	0.00	0.28	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.05	0.00	0.12	0.08	0.06	0.06	0.04	0.21	0.16	0.00	0.96	0.95	0.64	0.79	0.67	0.77	0.77	0.69	0.71	0.74	0.83	0.97	0.94	0.98	0.93	0.92	0.95	0.92	0.37	0.73	0.94	0.53	1.00	1.00	1.00
1	14	11	0.02	0.92	0.00	0.29	0.00	0.00	0.00	0.00	0.07	0.01	0.03	0.07	0.03	0.14	0.07	0.05	0.06	0.06	0.21	0.15	0.00	0.92	0.90	0.80	0.91	0.74	0.90	0.86	0.82	0.84	0.84	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.40	0.74	1.00	0.62	1.00	1.00	1.00
1	14	12	0.04	0.86	0.00	0.33	0.00	0.00	0.01	0.00	0.10	0.03	0.03	0.05	0.05	0.12	0.07	0.05	0.05	0.08	0.23	0.15	0.00	0.86	0.84	0.88	0.97	0.79	0.95	0.94	0.88	0.91	0.89	1.00	1.00	1.00	0.94	1.00	1.00	1.00	1.00	0.42	0.85	1.00	0.68	1.00	1.00	1.00
1	14	13	0.06	0.87	0.00	0.36	0.00	0.00	0.02	0.00	0.12	0.05	0.04	0.03	0.07	0.10	0.06	0.05	0.03	0.11	0.28	0.14	0.00	0.87	0.84	0.89	0.97	0.82	0.95	0.92	0.87	0.90	0.84	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.50	0.87	1.00	0.74	1.00	1.00	1.00
1	14	14	0.09	0.85	0.00	0.37	0.00	0.00	0.05	0.00	0.15	0.08	0.06	0.03	0.10	0.10	0.06	0.05	0.02	0.14	0.33	0.19	0.00	0.85	0.82	0.84	0.93	0.75	0.91	0.93	0.86	0.86	0.79	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.35	0.87	1.00	0.81	1.00	1.00	1.00
1	14	15	0.12	0.82	0.00	0.38	0.00	0.00	0.07	0.00	0.18	0.11	0.09	0.05	0.13	0.12	0.06	0.05	0.02	0.14	0.33	0.27	0.00	0.82	0.78	0.71	0.82	0.72	0.81	0.90	0.76	0.80	0.71	0.90	0.91	0.85	0.87	0.92	0.95	0.94	0.91	0.49	0.85	0.90	0.62	1.00	1.00	1.00
1	14	16	0.13	0.77	0.00	0.44	0.00	0.02	0.08	0.02	0.19	0.12	0.13	0.07	0.14	0.15	0.07	0.05	0.02	0.14	0.35	0.35	0.01	0.77	0.71	0.48	0.60	0.55	0.58	0.71	0.53	0.56	0.57	0.72	0.65	0.63	0.66	0.63	0.73	0.71	0.62	0.51	0.72	0.63	0.31	1.00	1.00	1.00
1	14	17	0.17	0.63	0.00	0.60	0.00	0.04	0.10	0.07	0.23	0.16	0.22	0.11	0.18	0.19	0.07	0.05	0.02	0.17	0.40	0.50	0.03	0.63	0.56	0.14	0.22	0.14	0.21	0.29	0.25	0.31	0.28	0.13	0.34	0.23	0.21	0.21	0.27	0.28	0.21	0.14	0.24	0.17	0.00	1.00	1.00	1.00
1	14	18	0.25	0.52	0.01	0.67	0.00	0.02	0.12	0.16	0.30	0.24	0.35	0.16	0.26	0.24	0.07	0.05	0.03	0.19	0.35	0.56	0.03	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	14	19	0.32	0.43	0.04	0.67	0.04	0.03	0.11	0.26	0.37	0.31	0.43	0.20	0.33	0.27	0.07	0.05	0.03	0.18	0.28	0.55	0.08	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	20	0.31	0.21	0.09	0.66	0.23	0.06	0.06	0.24	0.36	0.30	0.48	0.23	0.32	0.30	0.06	0.04	0.03	0.19	0.29	0.57	0.18	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	21	0.31	0.14	0.14	0.67	0.32	0.08	0.01	0.18	0.37	0.31	0.57	0.29	0.32	0.36	0.06	0.04	0.02	0.20	0.41	0.58	0.22	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	22	0.32	0.21	0.16	0.62	0.25	0.05	0.00	0.18	0.37	0.31	0.56	0.33	0.33	0.40	0.06	0.04	0.01	0.19	0.59	0.56	0.24	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	23	0.34	0.30	0.17	0.61	0.25	0.02	0.00	0.19	0.39	0.33	0.63	0.31	0.35	0.38	0.05	0.04	0.01	0.18	0.69	0.56	0.29	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	14	24	0.36	0.26	0.17	0.60	0.18	0.01	0.00	0.19	0.42	0.36	0.63	0.30	0.37	0.37	0.05	0.04	0.02	0.18	0.73	0.55	0.27	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	1	0.34	0.26	0.18	0.59	0.28	0.01	0.07	0.20	0.39	0.33	0.62	0.32	0.35	0.39	0.06	0.04	0.02	0.16	0.77	0.57	0.26	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	2	0.32	0.25	0.19	0.62	0.46	0.00	0.17	0.23	0.38	0.32	0.62	0.39	0.33	0.45	0.05	0.04	0.02	0.15	0.81	0.59	0.27	0.25	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	3	0.31	0.16	0.20	0.58	0.58	0.00	0.19	0.21	0.37	0.31	0.69	0.42	0.32	0.48	0.05	0.03	0.03	0.13	0.85	0.60	0.29	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	4	0.33	0.15	0.21	0.58	0.53	0.00	0.18	0.21	0.39	0.33	0.67	0.41	0.34	0.47	0.04	0.03	0.03	0.12	0.89	0.58	0.30	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	5	0.33	0.14	0.23	0.57	0.44	0.00	0.17	0.19	0.38	0.32	0.70	0.41	0.34	0.47	0.04	0.03	0.03	0.12	0.93	0.59	0.30	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	6	0.28	0.13	0.25	0.54	0.34	0.00	0.17	0.16	0.33	0.27	0.73	0.41	0.29	0.47	0.05	0.03	0.04	0.12	0.95	0.59	0.27	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	7	0.26	0.13	0.28	0.51	0.25	0.00	0.10	0.14	0.31	0.25	0.74	0.40	0.27	0.46	0.05	0.03	0.04	0.12	0.97	0.60	0.26	0.13	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.13	1.00	1.00	1.00
1	15	8	0.26	0.12	0.28	0.46	0.12	0.00	0.03	0.13	0.31	0.25	0.70	0.40	0.27	0.46	0.05	0.04	0.04	0.11	0.98	0.59	0.23	0.12	0.03	0.08	0.20	0.41	0.20	0.12	0.00	0.01	0.14	0.17	0.33	0.42	0.47	0.45	0.40	0.39	0.44	0.27	0.40	0.56	0.59	1.00	1.00	1.00
1	15	9	0.22	0.11	0.24	0.40	0.02	0.00	0.00	0.13	0.28	0.21	0.74	0.40	0.23	0.45	0.06	0.04	0.05	0.09	0.98	0.55	0.19	0.11	0.02	0.38	0.56	0.67	0.55	0.54	0.41	0.44	0.53	0.59	0.75	0.77	0.79	0.78	0.76	0.74	0.78	0.37	0.72	0.84	0.77	1.00	1.00	1.00
1	15	10	0.24	0.10	0.20	0.29	0.00	0.00	0.00	0.14	0.29	0.23	0.80	0.47	0.25	0.53	0.06	0.04	0.04	0.10	0.98	0.57	0.23	0.10	0.02	0.63	0.79	0.81	0.77	0.79	0.69	0.70	0.76	0.82	0.97	0.95	0.97	0.91	0.90	0.94	0.90	0.57	0.84	0.98	0.87	1.00	1.00	1.00
1	15	11	0.25	0.09	0.17	0.20	0.00	0.00	0.00	0.17	0.31	0.25	0.84	0.45	0.26	0.51	0.05	0.04	0.03	0.11	0.98	0.60	0.23	0.09	0.01	0.79	0.91	0.76	0.89	0.89	0.81	0.83	0.87	0.94	1.00	1.00	1.00	1.00	0.93	1.00	1.00	0.39	0.85	1.00	0.91	1.00	1.00	1.00
1	15	12	0.28	0.08	0.16	0.17	0.00	0.00	0.00	0.17	0.34	0.27	0.88	0.46	0.29	0.51	0.05	0.03	0.02	0.13	0.97	0.61	0.25	0.08	0.01	0.87	0.97	0.75	0.95	0.94	0.89	0.89	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.31	0.86	1.00	0.95	1.00	1.00	1.00
1	15	13	0.31	0.08	0.16	0.15	0.00	0.00	0.02	0.15	0.36	0.30	0.88	0.44	0.32	0.50	0.05	0.03	0.01	0.14	0.97	0.62	0.28	0.08	0.00	0.89	0.97	0.76	0.95	0.92	0.90	0.89	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.35	0.87	1.00	0.92	1.00	1.00	1.00
1	15	14	0.32	0.08	0.18	0.14	0.00	0.00	0.05	0.12	0.37	0.31	0.88	0.45	0.32	0.51	0.05	0.03	0.01	0.16	0.96	0.64	0.31	0.08	0.00	0.84	0.93	0.72	0.91	0.89	0.85	0.86	0.84	0.98	1.00	1.00	1.00	1.00	0.98	0.94	1.00	0.26	0.86	1.00	0.87	1.00	1.00	1.00
1	15	15	0.30	0.08	0.20	0.12	0.00	0.00	0.08	0.10	0.36	0.29	0.88	0.44	0.31	0.50	0.05	0.04	0.01	0.17	0.97	0.64	0.35	0.08	0.01	0.73	0.84	0.69	0.82	0.84	0.75	0.78	0.82	0.90	0.99	0.98	0.97	0.96	0.83	0.89	0.95	0.30	0.88	0.92	0.73	1.00	1.00	1.00
1	15	16	0.28	0.10	0.21	0.13	0.00	0.00	0.10	0.09	0.33	0.27	0.84	0.43	0.29	0.49	0.06	0.04	0.01	0.17	0.97	0.60	0.40	0.10	0.02	0.51	0.63	0.54	0.62	0.67	0.57	0.56	0.64	0.74	0.77	0.78	0.79	0.73	0.63	0.68	0.72	0.33	0.72	0.65	0.43	1.00	1.00	1.00
1	15	17	0.30	0.14	0.22	0.15	0.00	0.00	0.16	0.15	0.35	0.29	0.75	0.41	0.31	0.47	0.07	0.05	0.02	0.19	0.97	0.62	0.49	0.14	0.04	0.14	0.22	0.13	0.21	0.29	0.14	0.17	0.30	0.05	0.44	0.33	0.27	0.26	0.23	0.29	0.26	0.08	0.25	0.18	0.01	1.00	1.00	1.00
1	15	18	0.31	0.14	0.22	0.14	0.00	0.00	0.17	0.20	0.37	0.31	0.69	0.40	0.32	0.46	0.08	0.06	0.02	0.18	0.99	0.62	0.59	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
1	15	19	0.31	0.12	0.22	0.14	0.00	0.01	0.16	0.12	0.36	0.30	0.68	0.48	0.32	0.53	0.10	0.08	0.02	0.17	0.99	0.62	0.63	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	20	0.30	0.13	0.21	0.15	0.00	0.02	0.09	0.08	0.36	0.29	0.66	0.47	0.31	0.53	0.12	0.10	0.02	0.16	0.98	0.61	0.62	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	21	0.29	0.14	0.21	0.15	0.00	0.03	0.03	0.07	0.35	0.28	0.67	0.44	0.30	0.50	0.15	0.13	0.02	0.15	0.99	0.59	0.62	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	22	0.27	0.13	0.19	0.15	0.00	0.02	0.00	0.06	0.32	0.26	0.65	0.42	0.27	0.48	0.18	0.16	0.02	0.14	0.98	0.58	0.61	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	23	0.25	0.12	0.19	0.15	0.00	0.00	0.00	0.05	0.31	0.24	0.67	0.41	0.26	0.47	0.21	0.18	0.03	0.13	0.97	0.54	0.59	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	15	24	0.24	0.11	0.17	0.15	0.00	0.00	0.00	0.05	0.30	0.23	0.63	0.39	0.25	0.45	0.24	0.22	0.04	0.12	0.97	0.49	0.55	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	1	0.24	0.11	0.17	0.15	0.00	0.00	0.00	0.05	0.29	0.23	0.59	0.39	0.25	0.45	0.27	0.25	0.05	0.11	0.97	0.44	0.55	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	2	0.21	0.10	0.18	0.14	0.00	0.01	0.00	0.05	0.27	0.20	0.54	0.39	0.22	0.45	0.30	0.27	0.06	0.10	0.94	0.42	0.59	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	3	0.18	0.11	0.18	0.14	0.00	0.02	0.00	0.06	0.24	0.17	0.55	0.40	0.19	0.46	0.31	0.29	0.06	0.09	0.91	0.41	0.58	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	4	0.16	0.12	0.18	0.13	0.00	0.02	0.00	0.06	0.21	0.15	0.57	0.40	0.17	0.46	0.33	0.31	0.06	0.07	0.90	0.39	0.48	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	5	0.15	0.12	0.18	0.13	0.00	0.03	0.00	0.05	0.21	0.14	0.59	0.39	0.16	0.46	0.35	0.33	0.04	0.06	0.87	0.38	0.42	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	6	0.16	0.13	0.19	0.13	0.00	0.02	0.00	0.05	0.22	0.15	0.64	0.39	0.17	0.46	0.36	0.33	0.03	0.05	0.84	0.37	0.39	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	7	0.15	0.12	0.19	0.13	0.00	0.02	0.00	0.04	0.21	0.15	0.68	0.39	0.16	0.46	0.35	0.33	0.03	0.04	0.81	0.38	0.38	0.12	0.03	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.22	1.00	1.00	1.00
1	16	8	0.13	0.11	0.18	0.13	0.00	0.01	0.00	0.04	0.18	0.12	0.69	0.40	0.14	0.46	0.36	0.34	0.03	0.03	0.76	0.37	0.35	0.11	0.02	0.08	0.20	0.40	0.20	0.07	0.00	0.02	0.15	0.18	0.34	0.41	0.47	0.43	0.44	0.40	0.42	0.29	0.41	0.57	0.56	1.00	1.00	1.00
1	16	9	0.09	0.11	0.18	0.13	0.00	0.00	0.00	0.03	0.15	0.08	0.72	0.39	0.10	0.45	0.36	0.34	0.03	0.01	0.69	0.35	0.30	0.11	0.02	0.37	0.55	0.65	0.54	0.47	0.28	0.45	0.56	0.60	0.75	0.78	0.79	0.76	0.76	0.74	0.75	0.47	0.71	0.84	0.77	1.00	1.00	1.00
1	16	10	0.09	0.11	0.16	0.12	0.00	0.00	0.00	0.01	0.15	0.08	0.74	0.39	0.10	0.45	0.32	0.30	0.03	0.01	0.62	0.33	0.32	0.11	0.02	0.62	0.77	0.81	0.75	0.72	0.49	0.70	0.77	0.82	0.96	0.96	0.96	0.92	0.93	0.91	0.91	0.55	0.84	0.98	0.86	1.00	1.00	1.00
1	16	11	0.11	0.12	0.15	0.10	0.00	0.00	0.00	0.01	0.17	0.10	0.73	0.41	0.12	0.47	0.28	0.25	0.04	0.01	0.58	0.33	0.35	0.12	0.03	0.77	0.89	0.80	0.87	0.82	0.68	0.83	0.87	0.93	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.54	0.91	1.00	0.78	1.00	1.00	1.00
1	16	12	0.13	0.13	0.13	0.07	0.00	0.00	0.00	0.01	0.19	0.12	0.70	0.45	0.14	0.51	0.22	0.20	0.06	0.01	0.55	0.37	0.35	0.13	0.04	0.85	0.94	0.78	0.93	0.84	0.80	0.86	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.47	0.90	1.00	0.74	1.00	1.00	1.00
1	16	13	0.13	0.14	0.12	0.05	0.00	0.00	0.00	0.01	0.19	0.12	0.64	0.50	0.14	0.55	0.15	0.13	0.07	0.01	0.53	0.41	0.31	0.14	0.04	0.87	0.95	0.80	0.93	0.81	0.83	0.84	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.41	0.88	1.00	0.73	1.00	1.00	1.00
1	16	14	0.08	0.15	0.13	0.04	0.00	0.00	0.00	0.00	0.14	0.07	0.58	0.52	0.09	0.57	0.11	0.09	0.08	0.01	0.51	0.39	0.27	0.15	0.05	0.82	0.91	0.79	0.90	0.60	0.84	0.81	0.89	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.47	0.92	1.00	0.72	1.00	1.00	1.00
1	16	15	0.05	0.15	0.16	0.03	0.00	0.00	0.05	0.00	0.11	0.04	0.52	0.48	0.06	0.53	0.09	0.07	0.08	0.01	0.51	0.37	0.24	0.15	0.05	0.70	0.81	0.74	0.79	0.47	0.76	0.65	0.77	0.88	1.00	0.99	0.97	0.96	0.94	0.92	0.95	0.49	0.88	0.91	0.53	1.00	1.00	1.00
1	16	16	0.03	0.15	0.17	0.03	0.00	0.00	0.11	0.00	0.08	0.02	0.45	0.45	0.04	0.50	0.09	0.07	0.10	0.01	0.54	0.34	0.22	0.15	0.05	0.48	0.60	0.57	0.59	0.30	0.60	0.50	0.61	0.68	0.80	0.78	0.73	0.74	0.72	0.71	0.73	0.46	0.71	0.67	0.26	1.00	1.00	1.00
1	16	17	0.00	0.17	0.16	0.03	0.00	0.02	0.17	0.00	0.06	0.00	0.45	0.45	0.01	0.51	0.09	0.07	0.14	0.01	0.50	0.38	0.25	0.17	0.06	0.13	0.20	0.16	0.20	0.11	0.07	0.17	0.29	0.01	0.47	0.34	0.26	0.28	0.28	0.32	0.27	0.13	0.26	0.19	0.00	1.00	1.00	1.00
1	16	18	0.00	0.17	0.15	0.03	0.00	0.01	0.24	0.00	0.04	0.00	0.38	0.45	0.00	0.50	0.08	0.06	0.18	0.01	0.45	0.37	0.23	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
1	16	19	0.00	0.16	0.13	0.04	0.00	0.02	0.29	0.00	0.02	0.00	0.32	0.45	0.00	0.50	0.09	0.07	0.22	0.02	0.40	0.40	0.21	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	20	0.00	0.15	0.11	0.06	0.00	0.01	0.29	0.00	0.00	0.00	0.24	0.46	0.00	0.52	0.12	0.10	0.15	0.02	0.37	0.47	0.18	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	21	0.00	0.12	0.11	0.08	0.00	0.01	0.33	0.00	0.00	0.00	0.13	0.45	0.00	0.51	0.12	0.10	0.04	0.03	0.36	0.39	0.17	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	22	0.00	0.10	0.12	0.11	0.01	0.02	0.34	0.00	0.00	0.00	0.10	0.42	0.00	0.48	0.11	0.09	0.02	0.03	0.35	0.35	0.12	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	23	0.00	0.10	0.13	0.20	0.02	0.01	0.38	0.00	0.00	0.00	0.10	0.37	0.00	0.44	0.12	0.10	0.04	0.04	0.35	0.30	0.08	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	16	24	0.00	0.09	0.14	0.34	0.01	0.00	0.44	0.00	0.00	0.00	0.09	0.28	0.00	0.35	0.12	0.10	0.08	0.04	0.37	0.23	0.04	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	1	0.00	0.09	0.15	0.38	0.00	0.00	0.43	0.00	0.00	0.00	0.06	0.21	0.00	0.29	0.14	0.12	0.15	0.06	0.43	0.16	0.02	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	2	0.00	0.12	0.14	0.36	0.00	0.01	0.34	0.00	0.00	0.00	0.03	0.10	0.00	0.17	0.17	0.15	0.18	0.06	0.54	0.10	0.02	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	3	0.00	0.15	0.14	0.35	0.00	0.03	0.22	0.00	0.01	0.00	0.00	0.04	0.00	0.11	0.18	0.16	0.22	0.06	0.67	0.07	0.03	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	4	0.00	0.16	0.14	0.40	0.00	0.07	0.14	0.00	0.05	0.00	0.00	0.03	0.00	0.09	0.16	0.14	0.26	0.05	0.74	0.06	0.02	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	5	0.00	0.16	0.14	0.47	0.00	0.05	0.07	0.00	0.05	0.00	0.00	0.04	0.01	0.11	0.14	0.12	0.30	0.04	0.80	0.04	0.02	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	6	0.00	0.22	0.15	0.53	0.00	0.10	0.11	0.00	0.03	0.00	0.00	0.03	0.00	0.10	0.13	0.11	0.29	0.02	0.83	0.04	0.01	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	7	0.00	0.29	0.12	0.61	0.00	0.19	0.08	0.04	0.03	0.00	0.00	0.05	0.00	0.12	0.13	0.11	0.19	0.01	0.86	0.03	0.01	0.29	0.18	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	1.00	1.00	1.00
1	17	8	0.00	0.30	0.09	0.66	0.00	0.36	0.17	0.16	0.05	0.00	0.00	0.07	0.00	0.14	0.12	0.10	0.08	0.01	0.90	0.02	0.00	0.30	0.19	0.08	0.18	0.37	0.18	0.10	0.01	0.02	0.06	0.08	0.23	0.41	0.48	0.43	0.40	0.39	0.43	0.29	0.40	0.56	0.46	1.00	1.00	1.00
1	17	9	0.00	0.28	0.10	0.62	0.00	0.35	0.02	0.25	0.06	0.00	0.00	0.05	0.01	0.12	0.09	0.07	0.03	0.00	0.94	0.02	0.00	0.28	0.18	0.34	0.50	0.61	0.49	0.49	0.44	0.46	0.34	0.46	0.42	0.77	0.79	0.77	0.70	0.71	0.77	0.43	0.70	0.82	0.71	1.00	1.00	1.00
1	17	10	0.01	0.35	0.10	0.56	0.00	0.11	0.00	0.36	0.06	0.00	0.00	0.03	0.01	0.10	0.05	0.04	0.01	0.00	0.97	0.02	0.00	0.35	0.24	0.58	0.72	0.76	0.70	0.73	0.70	0.72	0.59	0.77	0.45	0.96	0.96	0.95	0.86	0.89	0.94	0.55	0.82	0.96	0.83	1.00	1.00	1.00
1	17	11	0.02	0.40	0.09	0.52	0.00	0.15	0.00	0.47	0.07	0.01	0.00	0.02	0.03	0.08	0.04	0.02	0.00	0.00	0.97	0.02	0.00	0.40	0.29	0.71	0.81	0.78	0.80	0.83	0.82	0.82	0.73	0.78	0.41	1.00	1.00	1.00	0.94	0.96	1.00	0.45	0.85	1.00	0.92	1.00	1.00	1.00
1	17	12	0.05	0.47	0.07	0.51	0.00	0.19	0.00	0.51	0.11	0.04	0.00	0.00	0.06	0.05	0.04	0.02	0.01	0.00	0.95	0.01	0.00	0.47	0.37	0.74	0.82	0.80	0.80	0.88	0.89	0.90	0.71	0.52	0.27	1.00	1.00	1.00	1.00	0.98	1.00	0.43	0.88	1.00	0.95	1.00	1.00	1.00
1	17	13	0.07	0.55	0.01	0.51	0.00	0.11	0.00	0.58	0.13	0.06	0.00	0.00	0.08	0.02	0.04	0.02	0.03	0.00	0.94	0.02	0.00	0.55	0.46	0.80	0.87	0.81	0.86	0.88	0.90	0.91	0.85	0.82	0.33	0.94	1.00	1.00	1.00	1.00	1.00	0.55	0.90	1.00	0.90	1.00	1.00	1.00
1	17	14	0.09	0.63	0.00	0.47	0.00	0.03	0.02	0.62	0.14	0.08	0.00	0.00	0.10	0.01	0.03	0.01	0.05	0.00	0.90	0.03	0.00	0.63	0.55	0.75	0.83	0.78	0.81	0.90	0.86	0.84	0.79	0.69	0.44	0.77	1.00	1.00	0.97	1.00	1.00	0.57	0.91	0.97	0.73	1.00	1.00	1.00
1	17	15	0.11	0.66	0.00	0.43	0.00	0.03	0.08	0.64	0.17	0.10	0.00	0.00	0.12	0.01	0.02	0.01	0.08	0.00	0.87	0.06	0.01	0.66	0.58	0.66	0.76	0.76	0.74	0.86	0.75	0.77	0.78	0.60	0.39	0.81	0.97	0.94	0.90	0.95	0.93	0.67	0.88	0.90	0.45	1.00	1.00	1.00
1	17	16	0.09	0.65	0.00	0.43	0.00	0.03	0.13	0.60	0.15	0.08	0.00	0.00	0.10	0.01	0.02	0.01	0.13	0.00	0.88	0.10	0.01	0.65	0.58	0.49	0.61	0.61	0.60	0.71	0.58	0.59	0.59	0.61	0.55	0.69	0.79	0.72	0.69	0.75	0.72	0.62	0.74	0.65	0.25	1.00	1.00	1.00
1	17	17	0.17	0.66	0.04	0.54	0.00	0.04	0.15	0.60	0.23	0.16	0.03	0.00	0.18	0.02	0.03	0.01	0.19	0.01	0.87	0.21	0.00	0.66	0.59	0.13	0.21	0.18	0.20	0.27	0.09	0.16	0.24	0.07	0.30	0.31	0.29	0.28	0.27	0.36	0.28	0.19	0.27	0.19	0.00	1.00	1.00	1.00
1	17	18	0.25	0.66	0.04	0.58	0.00	0.09	0.17	0.60	0.31	0.25	0.08	0.00	0.26	0.03	0.03	0.02	0.24	0.01	0.84	0.27	0.01	0.66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	17	19	0.24	0.68	0.09	0.58	0.00	0.14	0.23	0.58	0.29	0.23	0.12	0.00	0.25	0.05	0.03	0.02	0.22	0.00	0.79	0.30	0.02	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	20	0.23	0.72	0.12	0.58	0.00	0.09	0.26	0.60	0.29	0.22	0.20	0.03	0.24	0.10	0.04	0.02	0.20	0.00	0.77	0.32	0.03	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	21	0.24	0.75	0.11	0.57	0.00	0.12	0.19	0.62	0.29	0.23	0.32	0.13	0.25	0.20	0.04	0.02	0.17	0.01	0.78	0.36	0.03	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp
1	17	22	0.31	0.77	0.12	0.55	0.00	0.07	0.24	0.70	0.37	0.30	0.45	0.31
1	17	23	0.31	0.77	0.13	0.50	0.00	0.02	0.27	0.73	0.36	0.30	0.53	0.45
1	17	24	0.30	0.73	0.13	0.54	0.01	0.01	0.34	0.66	0.35	0.29	0.61	0.48
1	18	1	0.33	0.70	0.15	0.53	0.00	0.02	0.42	0.61	0.38	0.32	0.69	0.50
1	18	2	0.38	0.68	0.16	0.50	0.00	0.03	0.47	0.59	0.43	0.38	0.75	0.48
1	18	3	0.39	0.67	0.15	0.51	0.00	0.05	0.39	0.54	0.44	0.38	0.77	0.48
1	18	4	0.38	0.64	0.15	0.53	0.01	0.10	0.34	0.50	0.43	0.37	0.78	0.47
1	18	5	0.37	0.60	0.15	0.55	0.05	0.11	0.31	0.48	0.42	0.36	0.78	0.48
1	18	6	0.36	0.56	0.16	0.55	0.14	0.10	0.29	0.44	0.41	0.36	0.79	0.49
1	18	7	0.38	0.53	0.16	0.54	0.13	0.09	0.28	0.37	0.43	0.37	0.78	0.48
1	18	8	0.39	0.55	0.16	0.52	0.04	0.11	0.25	0.32	0.44	0.38	0.77	0.47
1	18	9	0.37	0.47	0.16	0.49	0.01	0.07	0.22	0.32	0.42	0.37	0.74	0.48
1	18	10	0.36	0.28	0.15	0.41	0.00	0.03	0.18	0.30	0.41	0.35	0.74	0.52
1	18	11	0.35	0.11	0.15	0.36	0.00	0.03	0.17	0.27	0.40	0.35	0.78	0.53
1	18	12	0.36	0.04	0.15	0.38	0.00	0.03	0.19	0.26	0.41	0.35	0.83	0.50
1	18	13	0.37	0.07	0.16	0.39	0.00	0.02	0.26	0.22	0.42	0.37	0.84	0.45
1	18	14	0.42	0.10	0.16	0.38	0.00	0.02	0.34	0.20	0.46	0.41	0.82	0.38
1	18	15	0.49	0.10	0.16	0.37	0.00	0.02	0.39	0.21	0.53	0.48	0.79	0.29
1	18	16	0.53	0.11	0.16	0.39	0.00	0.02	0.42	0.26	0.57	0.53	0.79	0.24
1	18	17	0.54	0.13	0.16	0.45	0.00	0.02	0.47	0.27	0.58	0.53	0.81	0.21
1	18	18	0.54	0.10	0.16	0.47	0.00	0.02	0.51	0.28	0.58	0.54	0.84	0.27
1	18	19	0.56	0.09	0.16	0.48	0.00	0.03	0.50	0.28	0.60	0.56	0.71	0.31
1	18	20	0.60	0.11	0.16	0.48	0.00	0.02	0.46	0.35	0.64	0.60	0.64	0.33
1	18	21	0.57	0.21	0.15	0.50	0.00	0.02	0.35	0.42	0.61	0.57	0.62	0.33
1	18	22	0.51	0.17	0.15	0.49	0.00	0.00	0.22	0.47	0.55	0.50	0.67	0.31
1	18	23	0.42	0.11	0.14	0.48	0.00	0.00	0.13	0.50	0.46	0.41	0.68	0.30
1	18	24	0.39	0.10	0.14	0.48	0.00	0.00	0.09	0.49	0.44	0.39	0.70	0.27
1	19	1	0.33	0.08	0.15	0.50	0.00	0.00	0.06	0.47	0.38	0.32	0.68	0.23
1	19	2	0.32	0.06	0.15	0.48	0.00	0.00	0.04	0.45	0.37	0.31	0.67	0.26
1	19	3	0.31	0.06	0.16	0.43	0.00	0.00	0.03	0.44	0.36	0.30	0.66	0.33
1	19	4	0.30	0.06	0.16	0.43	0.00	0.00	0.03	0.43	0.35	0.29	0.64	0.33
1	19	5	0.30	0.08	0.15	0.41	0.00	0.00	0.01	0.41	0.35	0.29	0.63	0.32
1	19	6	0.30	0.10	0.16	0.39	0.00	0.00	0.01	0.41	0.35	0.29	0.63	0.34
1	19	7	0.28	0.12	0.17	0.36	0.00	0.00	0.00	0.39	0.33	0.27	0.62	0.35
1	19	8	0.25	0.12	0.17	0.31	0.00	0.00	0.00	0.32	0.30	0.24	0.57	0.36
1	19	9	0.20	0.10	0.17	0.25	0.00	0.00	0.00	0.24	0.26	0.19	0.45	0.33
1	19	10	0.20	0.08	0.17	0.16	0.00	0.00	0.00	0.15	0.26	0.19	0.48	0.39
1	19	11	0.21	0.07	0.16	0.11	0.00	0.00	0.00	0.08	0.27	0.20	0.50	0.60
1	19	12	0.21	0.08	0.17	0.08	0.00	0.00	0.02	0.03	0.26	0.20	0.50	0.69
1	19	13	0.20	0.07	0.17	0.05	0.00	0.00	0.07	0.00	0.26	0.19	0.37	0.79
1	19	14	0.18	0.07	0.17	0.04	0.00	0.00	0.14	0.00	0.24	0.17	0.38	0.67
1	19	15	0.13	0.08	0.18	0.03	0.00	0.00	0.20	0.00	0.18	0.12	0.38	0.48
1	19	16	0.09	0.10	0.21	0.03	0.00	0.00	0.30	0.00	0.15	0.08	0.32	0.36
1	19	17	0.11	0.12	0.26	0.06	0.00	0.02	0.42	0.00	0.17	0.10	0.22	0.45
1	19	18	0.18	0.13	0.32	0.08	0.00	0.06	0.49	0.00	0.24	0.17	0.16	0.48
1	19	19	0.19	0.13	0.38	0.09	0.00	0.12	0.51	0.00	0.25	0.18	0.18	0.29
1	19	20	0.17	0.12	0.42	0.12	0.00	0.24	0.51	0.00	0.23	0.16	0.10	0.14
1	19	21	0.12	0.13	0.41	0.18	0.00	0.28	0.49	0.00	0.18	0.11	0.04	0.05
1	19	22	0.08	0.13	0.43	0.26	0.00	0.23	0.48	0.00	0.14	0.07	0.00	0.02
1	19	23	0.06	0.11	0.55	0.36	0.00	0.15	0.43	0.00	0.12	0.05	0.00	0.00
1	19	24	0.06	0.09	0.63	0.45	0.00	0.11	0.40	0.00	0.11	0.05	0.00	0.00
1	20	1	0.05	0.08	0.62	0.49	0.00	0.13	0.37	0.00	0.11	0.04	0.00	0.00
1	20	2	0.02	0.08	0.56	0.51	0.00	0.17	0.30	0.00	0.07	0.01	0.00	0.00
1	20	3	0.00	0.06	0.53	0.52	0.00	0.15	0.25	0.00	0.05	0.00	0.00	0.00
1	20	4	0.00	0.04	0.56	0.53	0.00	0.09	0.18	0.00	0.03	0.00	0.00	0.05
1	20	5	0.00	0.02	0.56	0.52	0.00	0.05	0.12	0.00	0.01	0.00	0.00	0.04
1	20	6	0.00	0.02	0.55	0.52	0.00	0.03	0.06	0.00	0.00	0.00	0.00	0.16
1	20	7	0.00	0.03	0.56	0.49	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.24
1	20	8	0.00	0.06	0.56	0.50	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.18
1	20	9	0.00	0.13	0.57	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
1	20	10	0.00	0.22	0.55	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1	20	11	0.00	0.46	0.56	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	12	0.00	0.70	0.63	0.56	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
1	20	13	0.00	0.82	0.67	0.58	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00
1	20	14	0.00	0.91	0.70	0.61	0.00	0.04	0.00	0.06	0.04	0.00	0.00	0.00
1	20	15	0.04	0.97	0.72	0.61	0.00	0.04	0.00	0.17	0.09	0.03	0.01	0.00
1	20	16	0.14	0.99	0.73	0.57	0.00	0.06	0.00	0.33	0.20	0.13	0.02	0.01
1	20	17	0.23	1.00	0.77	0.64	0.02	0.09	0.00	0.51	0.29	0.22	0.02	0.03
1	20	18	0.25	1.00	0.78	0.61	0.08	0.10	0.00	0.57	0.31	0.25	0.02	0.08
1	20	19	0.22	0.96	0.80	0.62	0.19	0.04	0.03	0.60	0.27	0.21	0.02	0.12
1	20	20	0.23	0.87	0.77	0.64	0.36	0.07	0.07	0.61	0.28	0.22	0.01	0.20
1	20	21	0.24	0.84	0.66	0.66	0.63	0.14	0.11	0.62	0.30	0.23	0.03	0.24
1	20	22	0.22	0.73	0.53	0.63	0.82	0.15	0.18	0.59	0.28	0.21	0.04	0.23
1	20	23	0.16	0.65	0.39	0.65	0.87	0.22	0.24	0.53	0.22	0.15	0.06	0.12
1	20	24	0.16	0.62	0.28	0.67	0.87	0.30	0.28	0.48	0.21	0.15	0.09	0.01
1	21	1	0.18	0.61	0.24	0.68	0.88	0.61	0.29	0.49	0.24	0.17	0.11	0.00
1	21	2	0.13	0.64	0.25	0.69	0.91	0.85	0.34	0.41	0.19	0.12	0.08	0.00
1	21	3	0.13	0.67	0.22	0.68	0.93	0.99	0.44	0.36	0.19	0.12	0.05	0.00
1	21	4	0.10	0.69	0.14	0.68	0.96	0.94	0.50	0.27	0.16	0.09	0.12	0.00
1	21	5	0.10	0.71	0.11	0.68	0.97	0.94	0.46	0.13	0.16	0.09	0.23	0.00
1	21	6	0.21	0.70	0.11	0.68	0.99	0.62	0.46	0.10	0.27	0.20	0.45	0.00
1	21	7	0.37	0.68	0.10	0.64	0.99	0.34	0.47	0.13	0.42	0.36	0.66	0.09
1	21	8	0.41	0.70	0.10	0.62	0.98	0.67	0.42	0.20	0.46	0.41	0.65	0.27
1	21	9	0.55	0.60	0.11	0.62	0.95	0.72	0.28	0.28	0.59	0.55	0.67	0.41
1	21	10	0.72	0.48	0.10	0.58	0.87	0.32	0.14	0.41	0.75	0.72	0.71	0.51
1	21	11	0.90	0.42	0.08	0.57	0.81	0.32	0.05	0.67	0.91	0.90	0.79	0.52
1	21	12	0.95	0.37	0.08	0.58	0.79	0.25	0.00	0.90	0.96	0.95	0.90	0.53
1	21	13	0.97	0.27	0.11	0.58	0.78	0.16	0.00	0.96	0.97	0.97	0.94	0.60
1	21	14	0.96	0.23	0.12	0.56	0.72	0.11	0.02	0.97	0.96	0.96	0.95	0.90
1	21	15	0.96	0.24	0.14	0.54	0.63	0.09	0.02	0.94	0.97	0.96	0.91	0.95
1	21	16	0.87	0.23	0.16	0.54	0.55	0.07	0.01	0.88	0.89	0.87	0.87	0.94
1	21	17	0.73	0.18	0.17	0.63	0.49	0.04	0.01	0.70	0.76	0.73	0.74	0.91
1	21	18	0.60	0.17	0.18	0.66	0.46	0.02	0.02	0.54	0.63	0.59	0.70	0.81
1	21	19	0.58	0.21	0.20	0.67	0.44	0.00	0.00	0.37	0.61	0.57	0.79	0.70
1	21	20	0.68	0.35	0.21	0.65	0.44	0.00	0.00	0.34	0.71	0.67	0.82	0.69
1	21	21	0.68	0.42	0.20	0.63	0.55	0.01	0.00	0.29	0.71	0.68	0.84	0.82
1	21	22	0.63	0.32	0.20	0.59	0.63	0.02	0.00	0.22	0.66	0.62	0.85	0.77
1	21	23	0.55	0.29	0.20	0.55	0.59	0.02	0.00	0.18	0.59	0.55	0.86	0.77
1	21	24	0.51	0.32	0.21	0.54	0.59	0.00	0.00	0.19	0.55	0.51	0.87	0.72
1	22	1	0.51	0.40	0.21	0.55	0.50	0.00	0.00	0.19	0.55	0.51	0.88	0.78
1	22	2	0.55	0.40	0.22	0.54	0.46	0.01	0.00	0.19	0.59	0.54	0.84	0.81
1	22	3	0.51	0.37	0.21	0.51	0.42	0.02	0.00	0.19	0.55	0.50	0.78	0.80
1	22	4	0.43	0.31	0.21	0.45	0.24	0.01	0.00	0.20	0.48	0.42	0.79	0.79
1	22	5	0.40	0.28	0.21	0.41	0.04	0.01	0.00	0.20	0.44	0.39	0.72	0.70
1	22	6	0.38	0.26	0.22	0.37	0.00	0.02	0.00	0.19	0.43	0.38	0.70	0.57
1	22	7	0.34	0.22	0.22	0.31	0.00	0.02	0.00	0.15	0.39	0.34	0.72	0.42
1	22	8	0.29	0.20	0.22	0.30	0.00	0.00	0.00	0.11	0.34	0.28	0.65	0.36
1	22	9	0.23	0.20	0.21	0.26	0.00	0.00	0.00	0.07	0.29	0.22	0.58	0.45
1	22	10	0.22	0.18	0.19	0.17	0.00	0.00	0.00	0.03	0.27	0.21	0.64	0.60
1	22	11	0.21	0.16	0.19	0.12	0.00	0.00	0.00	0.03	0.27	0.20	0.83	0.70
1	22	12	0.20	0.14	0.20	0.10	0.00	0.00	0.00	0.01	0.25	0.19	0.88	0.76
1	22	13	0.19	0.14	0.20	0.09	0.00	0.00	0.00	0.00	0.24	0.18	0.90	0.71
1	22	14	0.16	0.14	0.20	0.08	0.00	0.00	0.00	0.00	0.22	0.15	0.86	0.62
1	22	15	0.16	0.13	0.20	0.06	0.00	0.00	0.00	0.00	0.22	0.15	0.80	0.51
1	22	16	0.16	0.13	0.20	0.06	0.00	0.00	0.00	0.00	0.22	0.15	0.73	0.41
1	22	17	0.17	0.14	0.19	0.07	0.00	0.00	0.00	0.00	0.22	0.16	0.68	0.34
1	22	18	0.21	0.15	0.18	0.09	0.00	0.00	0.00	0.03	0.27	0.20	0.66	0.44
1	22	19	0.25	0.17	0.18	0.08	0.00	0.00	0.00	0.05	0.31	0.24	0.65	0.55
1	22	20	0.23	0.21	0.19	0.06	0.00	0.00	0.00	0.06	0.29	0.22	0.69	0.57
1	22	21	0.22	0.26	0.20	0.06	0.00	0.00	0.00	0.08	0.28	0.21	0.65	0.55
1	22	22	0.20	0.31	0.21	0.06	0.00	0.00	0.00	0.06	0.26	0.19	0.56	0.41
1	22	23	0.19	0.34	0.24	0.06	0.00	0.00	0.00	0.01	0.25	0.18	0.53	0.40
1	22	24	0.19	0.24	0.26	0.06	0.00	0.00	0.00	0.00	0.25	0.18	0.54	0.36
1	23	1	0.18	0.20	0.26	0.07	0.00	0.01	0.00	0.00	0.24	0.17	0.53	0.37
1	23	2	0.13	0.19	0.25	0.07	0.00	0.00	0.00	0.00	0.19	0.12	0.53	0.34
1	23	3	0.11	0.18	0.24	0.07	0.00	0.00	0.00	0.00	0.17	0.11	0.54	0.32
1	23	4	0.13	0.19	0.22	0.07	0.00	0.00	0.00	0.00	0.18	0.12	0.53	0.28
1	23	5	0.12	0.20	0.21	0.08	0.00	0.00	0.00	0.00	0.18	0.11	0.48	0.23
1	23	6	0.11	0.21	0.20	0.08	0.00	0.00	0.00	0.00	0.16	0.10	0.45	0.23
1	23	7	0.11	0.18	0.15	0.09	0.00	0.00	0.00	0.00	0.17	0.10	0.43	0.29
1	23	8	0.11	0.14	0.20	0.09	0.00	0.00	0.00	0.00	0.17	0.10	0.41	0.30
1	23	9	0.09	0.13	0.21	0.09	0.00	0.00	0.00	0.00	0.15	0.09	0.31	0.24
1	23	10	0.07	0.11	0.20	0.07	0.00	0.00	0.00	0.00	0.13	0.06	0.27	0.22
1	23	11	0.07	0.10	0.20	0.05	0.00	0.00	0.00	0.00	0.13	0.06	0.31	0.26
1	23	12	0.08	0.10	0.18	0.04	0.00	0.00	0.00	0.00	0.14	0.07	0.26	0.26

Wind (continued)

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
1	17	22	0.32	0.38	0.05	0.03	0.15	0.01	0.77	0.44	0.04	0.77	0.72
1	17	23	0.32	0.51	0.07	0.05	0.13	0.02	0.81	0.46	0.04	0.77	0.71
1	17	24	0.31	0.54	0.09	0.07	0.12	0.04	0.86	0.46	0.05	0.73	0.67
1	18	1	0.34	0.56	0.12	0.10	0.09	0.06	0.88	0.46	0.05	0.70	0.64
1	18	2	0.39	0.53	0.14	0.12	0.08	0.09	0.93	0.50	0.05	0.68	0.61
1	18	3	0.40	0.53	0.14	0.12	0.06	0.10	0.89	0.53	0.06	0.67	0.60
1	18	4	0.39	0.53	0.14	0.11	0.06	0.11	0.77	0.53	0.08	0.64	0.57
1	18	5	0.38	0.53	0.14	0.12	0.06	0.13	0.69	0.53	0.11	0.60	0.52
1	18	6	0.37	0.54	0.14	0.12	0.06	0.14	0.70	0.54	0.15	0.56	0.47
1	18	7	0.39	0.53	0.15	0.13	0.05	0.14	0.84	0.53	0.21	0.53	0.44
1	18	8	0.40	0.52	0.17	0.15	0.05	0.12	0.89	0.54	0.23	0.55	0.45
1	18	9	0.38	0.53	0.19	0.17	0.06	0.11	0.89	0.49	0.18	0.47	0.37
1	18	10	0.37	0.57	0.19	0.17	0.06	0.10	0.93	0.42	0.17	0.28	0.17
1	18	11	0.36	0.58	0.17	0.15	0.05	0.10	0.95	0.42	0.19	0.11	0.03
1	18	12	0.37	0.55	0.15	0.13	0.03	0.10	0.94	0.43	0.20	0.04	0.00
1	18	13	0.38	0.51	0.14	0.12	0.02	0.10	0.92	0.45	0.20	0.07	0.00
1	18	14	0.43	0.45	0.14	0.12	0.01	0.12	0.89	0.45	0.21	0.10	0.01
1	18	15	0.49	0.36	0.16	0.14	0.00	0.13	0.87	0.48	0.20	0.10	0.02
1	18	16	0.54	0.31	0.20	0.18	0.00	0.13	0.85	0.52	0.21	0.11	0.02
1	18	17	0.55	0.28	0.24	0.22	0.00	0.15	0.86	0.54	0.28	0.13	0.03
1	18	18	0.55	0.34	0.26	0.24	0.01	0.15	0.88	0.56	0.36	0.10	0.02
1	18	19	0.57	0.38	0.28	0.26	0.01	0.15	0.88	0.56	0.39	0.08	0.01
1	18	20	0.61	0.40	0.29	0.27	0.01	0.14	0.89	0.55	0.38	0.11	0.03
1	18	21	0.58	0.39	0.30	0.28	0.02	0.13	0.90	0.56	0.35	0.21	0.10
1	18	22	0.52	0.37	0.31	0.28	0.02	0.12	0.91	0.57	0.29	0.17	0.06
1	18	23	0.42	0.37	0.31	0.29	0.03	0.12	0.92	0.57	0.24	0.11	0.02
1	18	24	0.40	0.34	0.32	0.30	0.03	0.11	0.92	0.57	0.21	0.10	0.02
1	19	1	0.34	0.30	0.33	0.31	0.03	0.11	0.91	0.55	0.21	0.08	0.00
1	19	2	0.33	0.33	0.35	0.33	0.02	0.11	0.89	0.54	0.19	0.06	0.00
1	19	3	0.32	0.40	0.38	0.36	0.02	0.10	0.88	0.52	0.16	0.06	0.00
1	19	4	0.31	0.40	0.40	0.38	0.01	0.08	0.87	0.54	0.18	0.06	0.00
1	19	5	0.30	0.39	0.42	0.40	0.01	0.08	0.86	0.56	0.19	0.08	0.00
1	19	6	0.30	0.41	0.43	0.41	0.01	0.07	0.85	0.56	0.20	0.10	0.01
1	19	7	0.29	0.42	0.43	0.41	0.01	0.06	0.81	0.56	0.21	0.12	0.03
1	19	8	0.26	0.42	0.43	0.41	0.01	0.06	0.72	0.54	0.20	0.12	0.03
1	19	9	0.21	0.40	0.43	0.41	0.00	0.05	0.66	0.48	0.14	0.10	0.01
1	19	10	0.21	0.45	0.44	0.42	0.00	0.04	0.61	0.44	0.14	0.08	0.00
1	19	11	0.22	0.65	0.46	0.44	0.00	0.05	0.53	0.42	0.17	0.07	0.00
1	19	12	0.21	0.72	0.49	0.47	0.00	0.06	0.46	0.41	0.18	0.08	0.00
1	19	13	0.21	0.82	0.54	0.52	0.00	0.07	0.43	0.38	0.22	0.07	0.00
1	19	14	0.19	0.71	0.54	0.52	0.01	0.06	0.41	0.34	0.30	0.07	0.00
1	19	15	0.14	0.53	0.51	0.49	0.01	0.05	0.43	0.29	0.27	0.08	0.00
1	19	16	0.10	0.42	0.51	0.49	0.02	0.04	0.45	0.21	0.27	0.10	0.01
1	19	17	0.12	0.51	0.54	0.52	0.04	0.06	0.43	0.24	0.31	0.12	0.03
1	19	18	0.19	0.54	0.54	0.52	0.05	0.10	0.41	0.28	0.11	0.13	0.03
1	19	19	0.20	0.36	0.55	0.53	0.06	0.11	0.37	0.39	0.07	0.13	0.04
1	19	20	0.18	0.21	0.54	0.53	0.06	0.08	0.33	0.44	0.06	0.12	0.03
1	19	21	0.13	0.12	0.54	0.53	0.09	0.05	0.29	0.43	0.06	0.13	0.04
1	19	22	0.09	0.08	0.53	0.51	0.11	0.03	0.27	0.39	0.07	0.13	0.03
1	19	23	0.07	0.06	0.55	0.54	0.14	0.03	0.27	0.25	0.02	0.11	0.02
1	19	24	0.07	0.05	0.58	0.57	0.18	0.03	0.29	0.16	0.00	0.09	0.01
1	20	1	0.06	0.02	0.64	0.63	0.23	0.03	0.30	0.12	0.00	0.08	0.01
1	20	2	0.03	0.03	0.66	0.65	0.29	0.03	0.30	0.10	0.00	0.08	0.00
1	20	3	0.01	0.06	0.70	0.69	0.33	0.03	0.30	0.08	0.00	0.06	0.00
1	20	4	0.00	0.12	0.70	0.69	0.37	0.02	0.30	0.07	0.00	0.04	0.00
1	20	5	0.00	0.11	0.67	0.66	0.39	0.01	0.30	0.08	0.02	0.02	0.00
1	20	6	0.00	0.24	0.67	0.66	0.40	0.00	0.29	0.07	0.05	0.02	0.00
1	20	7	0.00	0.32	0.69	0.68	0.40	0.00	0.31	0.06	0.07	0.03	0.00
1	20	8	0.00	0.26	0.68	0.67	0.44	0.00	0.33	0.07	0.09	0.06	0.00
1	20	9	0.00	0.13	0.65	0.64	0.44	0.00	0.32	0.06	0.17	0.13	0.03
1	20	10	0.00	0.08	0.66	0.65	0.40	0.00	0.27	0.05	0.44	0.22	0.12
1	20	11	0.00	0.06	0.69	0.68	0.36	0.00	0.19	0.04	0.63	0.46	0.36
1	20	12	0.00	0.06	0.71	0.70	0.44	0.00	0.16	0.05	0.65	0.70	0.63
1	20	13	0.00	0.06	0.72	0.71	0.45	0.00	0.13	0.05	0.71	0.82	0.78
1	20	14	0.00	0.07	0.69	0.68	0.52	0.00	0.14	0.06	0.80	0.91	0.89
1	20	15	0.05	0.07	0.64	0.63	0.60	0.01	0.17	0.09	0.88	0.97	0.97
1	20	16	0.15	0.08	0.60	0.59	0.66	0.02	0.25	0.17	0.87	0.99	0.99
1	20	17	0.24	0.10	0.61	0.59	0.80	0.03	0.35	0.20	0.90	1.00	0.99
1	20	18	0.26	0.15	0.60	0.59	0.84	0.03	0.42	0.22	0.92	1.00	0.99
1	20	19	0.23	0.19	0.56	0.55	0.84	0.03	0.47	0.21	0.92	0.96	0.95
1	20	20	0.24	0.28	0.51	0.49	0.86	0.03	0.52	0.23	0.90	0.87	0.85
1	20	21	0.25	0.31	0.41	0.39	0.87	0.05	0.51	0.23	0.88	0.84	0.80
1	20	22	0.23	0.30	0.33	0.31	0.87	0.11	0.49	0.30	0.86	0.73	0.68
1	20	23	0.17	0.20	0.25	0.23	0.86	0.19	0.47	0.36	0.84	0.65	0.58
1	20	24	0.17	0.06	0.21	0.19	0.86	0.24	0.46	0.33	0.82	0.62	0.55
1	21	1	0.19	0.05	0.16	0.14	0.87	0.15	0.41	0.32	0.80	0.61	0.54
1	21	2	0.14	0.05	0.13	0.11	0.87	0.10	0.41	0.31	0.81	0.64	0.57
1	21	3	0.14	0.04	0.10	0.08	0.87	0.11	0.43	0.33	0.79	0.67	0.60
1	21	4	0.11	0.02	0.08	0.06	0.86	0.18	0.45	0.52	0.78	0.69	0.63
1	21	5	0.11	0.01	0.07	0.05	0.85	0.17	0.49	0.66	0.72	0.71	0.65
1	21	6	0.22	0.03	0.07	0.05	0.84	0.15	0.55	0.78	0.55	0.70	0.63
1	21	7	0.38	0.16	0.07	0.05	0.82	0.21	0.66	0.86	0.33	0.68	0.62
1	21	8	0.42	0.34	0.09	0.07	0.77	0.34	0.68	0.85	0.11	0.70	0.63
1	21	9	0.56	0.47	0.10	0.08	0.69	0.36	0.68	0.86	0.02	0.60	0.52
1	21	10	0.73	0.57	0.11	0.09	0.59	0.44	0.72	0.91	0.01	0.48	0.38
1	21	11	0.90	0.57	0.10	0.08	0.47	0.51	0.74	0.92	0.05	0.42	0.32
1	21	12	0.95	0.58	0.08	0.06	0.35	0.47	0.75	0.94	0.20	0.37	0.26
1	21	13	0.97	0.63	0.07	0.05	0.26	0.45	0.72	0.97	0.31	0.27	0.17
1	21	14	0.96	0.92	0.06	0.04	0.19	0.44	0.61	0.97	0.48	0.23	0.12
1	21	15	0.96	0.96	0.06	0.04	0.14	0.41	0.46	0.97	0.64	0.24	0.13
1	21	16	0.88	0.95	0.08	0.06	0.11	0.35	0.38	0.96	0.71	0.23	0.12
1	21	17	0.74	0.93	0.09	0.07	0.11	0.34	0.33	0.94	0.64	0.18	0.08
1	21	18	0.60	0.83	0.09	0.07	0.10	0.32	0.24	0.90	0.68	0.17	0.07
1	21	19	0.59	0.73	0.10	0.08	0.09	0.34	0.19	0.85	0.61	0.20	0.10
1	21	20	0.68	0.72	0.11	0.09	0.10	0.37	0.19	0.77	0.54	0.35	0.24
1	21	21	0.68	0.85	0.12	0.10	0.11	0.38	0.29	0.70	0.61	0.42	0.31
1	21	22	0.63	0.79	0.13	0.11	0.10	0.32	0.53	0.70	0.66	0.32	0.21
1	21	23	0.56	0.79	0.13	0.11	0.09	0.27	0.67	0.67	0.72	0.29	0.18
1	21	24	0.52	0.74	0.13	0.11	0.14	0.24	0.78	0.67	0.78	0.32	0.21
1	22	1	0.52	0.80	0.13	0.11	0.19	0.19	0.85	0.67	0.75	0.40	0.29
1	22	2	0.56	0.84	0.12	0.10	0.23	0.16	0.86	0.66	0.73	0.40	0.29
1	22	3	0.51	0.83	0.13	0.11	0.24	0.15	0.89	0.63	0.66	0.37	0.26
1	22	4	0.44	0.82	0.15	0.13	0.23	0.14	0.93	0.66	0.64	0.31	0.20
1	22	5	0.40	0.74	0.17	0.15	0.23	0.12	0.95	0.67	0.61	0.28	0.17
1	22	6	0.39	0.62	0.20	0.18	0.24	0.11	0.96	0.67	0.54	0.26	0.15
1	22	7	0.35	0.48	0.25	0.22	0.24	0.10	0.97	0.68	0.45	0.22	0.12
1	22	8	0.30	0.41	0.30	0.27	0.26	0.09	0.98	0.66	0.36	0.20	0.09
1	22	9	0.24	0.51	0.34	0.32	0.29	0.07	0.98	0.63	0.27	0.20	0.10
1	22	10	0.23	0.64	0.34	0.32	0.28	0.06	0.98	0.57	0.21	0.18	0.07
1	22	11	0.22	0.73	0.34	0.32	0.25	0.07	0.98	0.51	0.21	0.16	0.06
1	22	12	0.20	0.79	0.33	0.30	0.23	0.07	0.98	0.38	0.25	0.14	0.05
1	22	13	0.19	0.75	0.31	0.29	0.23	0.07	0.98	0.30	0.27	0.14	0.04
1	22	14	0.17	0.66	0.30	0.28	0.24	0.08	0.98	0.25	0.29	0.14	0.04
1	22	15	0.17	0.56	0.29	0.27	0.27	0.09	0.98	0.27	0.26	0.13	0.04
1	22	16	0.17	0.47	0.32	0.30	0.31	0.10	0.98	0.31	0.22	0.13	0.04
1	22	17	0.18	0.40	0.35	0.33	0.34	0.12	0.98	0.38	0.27	0.14	0.04
1	22	18	0.22	0.50	0.34	0.32	0.37	0.13	0.97	0.47	0.29	0.15	0.05
1	22	19	0.26	0.60	0.32	0.29	0.37	0.12	0.97	0.50	0.22	0.17	0.07
1	22	20	0.24	0.61	0.32	0.30	0.37	0.11	0.97	0.47	0.20	0.21	0.11
1	22	21	0.23	0.61	0.35	0.33	0.36	0.10	0.97	0.43	0.16	0.26	0.15
1	22	22	0.21	0.47	0.38	0.36	0.38	0.09	0.96	0.42	0.14	0.31	0.20
1	22	23	0.20	0.46	0.39	0.37	0.39	0.09	0.96	0.40	0.14	0.34	0.23
1	22	24	0.20	0.43	0.38	0.36	0.40	0.09	0.95	0.41	0.13	0.24	0.14
1	23	1	0.19	0.43	0.36	0.34	0.39	0.08	0.95	0.40	0.13	0.20	0.10
1	23	2	0.14	0.41	0.35	0.33	0.37	0.08	0.96	0.39	0.13	0.19	0.08
1	23	3	0.12	0.39	0.34	0.32	0.33	0.07	0.95	0.41	0.13	0.18	0.08
1	23	4	0.14	0.35	0.32	0.29	0.29	0.07	0.94	0.41	0.14	0.19	0.09
1	23	5	0.13	0.30	0.32	0.30	0.26	0.06	0.94	0.41	0.14	0.20	0.09
1	23	6	0.12	0.30	0.33	0.30	0.24	0.06	0.93	0.42	0.15	0.21	0.11
1	23	7	0.12	0.36	0.32	0.30	0.22	0.06	0.93	0.44	0.16	0.18	0.08
1	23	8	0.12	0.37	0.31	0.29	0.22	0.06	0.92	0.43	0.15	0.14	0.05
1	23	9	0.10	0.31	0.29	0.27	0.20	0.07	0.88	0.38	0.12	0.13	0.04
1	23	10	0.08	0.29	0.27	0.25	0.16	0.06	0.83	0.32	0.12	0.11	0.02
1	23	11	0.08	0.33	0.23	0.21	0.12	0.06	0.80	0.26	0.11	0.10	0.02
1	23	12	0.09	0.33	0.19	0.17	0.09	0.07	0.78	0.22	0.11	0.10	0.02

Solar

Month	Day	Hour	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
1	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	7	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	18	8	0.08	0.21	0.31	0.20	0.10	0.01	0.02	0.15
1	18	9	0.38	0.55	0.55	0.54	0.47	0.43	0.47	0.55
1	18	10	0.62	0.77	0.69	0.75	0.67	0.69	0.70	0.74
1	18	11	0.78	0.90	0.75	0.88	0.84	0.83	0.83	0.88
1	18	12	0.85	0.94	0.76	0.93	0.77	0.86	0.88	0.91
1	18	13	0.86	0.94	0.77	0.92	0.80	0.86	0.87	0.92
1	18	14	0.81	0.90	0.73	0.89	0.71	0.84	0.85	0.89
1	18	15	0.73	0.83	0.69	0.82	0.82	0.74	0.78	0.82
1	18	16	0.52	0.64	0.56	0.63	0.72	0.54	0.60	0.65
1	18	17	0.14	0.21	0.17	0.20	0.29	0.02	0.09	0.29
1	18	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	8	0.05	0.14	0.23	0.14	0.05	0.01	0.03	0.16
1	19	9	0.30	0.45	0.44	0.44	0.44	0.42	0.47	0.55
1	19	10	0.50	0.62	0.52	0.61	0.58	0.69	0.71	0.76
1	19	11	0.59	0.68	0.52	0.67	0.54	0.74	0.81	0.84
1	19	12	0.62	0.69	0.53	0.67	0.56	0.76	0.85	0.87
1	19	13	0.59	0.65	0.54	0.64	0.40	0.55	0.80	0.90
1	19	14	0.53	0.59	0.57	0.58	0.45	0.63	0.82	0.87
1	19	15	0.45	0.52	0.53	0.51	0.48	0.55	0.69	0.81
1	19	16	0.33	0.41	0.46	0.40	0.45	0.30	0.48	0.66
1	19	17	0.08	0.12	0.14	0.12	0.15	0.04	0.09	0.26
1	19	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	7	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	20	8	0.08	0.20	0.25	0.20	0.06	0.01	0.01	0.16
1	20	9	0.36	0.53	0.47	0.52	0.32	0.35	0.44	0.56
1	20	10	0.58	0.72	0.61	0.71	0.40	0.55	0.66	0.75
1	20	11	0.74	0.85	0.61	0.83	0.62	0.61	0.77	0.87
1	20	12	0.84	0.93	0.68	0.91	0.87	0.71	0.81	0.88
1	20	13	0.85	0.93	0.69	0.91	0.88	0.79	0.69	0.87
1	20	14	0.82	0.91	0.61	0.89	0.85	0.81	0.82	0.78
1	20	15	0.71	0.81	0.59	0.80	0.78	0.75	0.76	0.65
1	20	16	0.49	0.60	0.54	0.59	0.67	0.57	0.60	0.54
1	20	17	0.13	0.20	0.16	0.20	0.26	0.06	0.05	0.16
1	20	18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	20	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	7	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1	21	8	0.09	0.22	0.28	0.21	0.15	0.01	0.03	0.14
1	21	9	0.38	0.57	0.45	0.56	0.57	0.44	0.48	0.53
1	21	10	0.63	0.78	0.57	0.77	0.79	0.67	0.70	0.76
1	21	11	0.78	0.90	0.62	0.88	0.85	0.81	0.81	0.84
1	21	12	0.86	0.95	0.64	0.93	0.88	0.86	0.88	0.89
1	21	13	0.86	0.94	0.63	0.92	0.88	0.86	0.87	0.89
1	21	14	0.83	0.92	0.57	0.91	0.84	0.80	0.85	0.87
1	21	15	0.74	0.85	0.58	0.84	0.79	0.74	0.76	0.83
1	21	16	0.52	0.65	0.54	0.64	0.66	0.57	0.54	0.65
1	21	17	0.13	0.20	0.17	0.20	0.24	0.03	0.06	0.18
1	21	18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	21	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	7	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
1	22	8	0.09	0.22	0.27	0.21	0.14	0.01	0.02	0.17
1	22	9	0.39	0.57	0.49	0.56	0.56	0.43	0.46	0.57
1	22	10	0.63	0.79	0.63	0.77	0.81	0.69	0.70	0.75
1	22	11	0.78	0.91	0.71	0.89	0.85	0.82	0.83	0.84
1	22	12	0.86	0.96	0.72	0.94	0.88	0.87	0.89	0.86
1	22	13	0.87	0.96	0.72	0.94	0.89	0.88	0.87	0.86
1	22	14	0.84	0.94	0.73	0.92	0.89	0.84	0.85	0.87
1	22	15	0.74	0.85	0.70	0.83	0.85	0.75	0.78	0.83
1	22	16	0.54	0.66	0.59	0.65	0.72	0.58	0.58	0.66
1	22	17	0.15	0.23	0.19	0.22	0.26	0.11	0.07	0.21
1	22	18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	22	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	7	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1	23	8	0.09	0.22	0.36	0.21	0.13	0.01	0.03	0.16
1	23	9	0.38	0.56	0.62	0.55	0.56	0.43	0.48	0.56
1	23	10	0.62	0.78	0.74	0.76	0.78	0.68	0.69	0.75
1	23	11	0.78	0.90	0.78	0.88	0.86	0.80	0.82	0.86
1	23	12	0.85	0.95	0.80	0.93	0.88	0.86	0.87	0.91

Solar (continued), Geothermal, Biomass, Small Hydro

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
1	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	1.00	1.00	1.00
1	18	8	0.19	0.31	0.43	0.48	0.46	0.44	0.40	0.45	0.29	0.42	0.44	0.12	1.00	1.00	1.00
1	18	9	0.61	0.66	0.77	0.79	0.77	0.75	0.75	0.76	0.48	0.75	0.70	0.14	1.00	1.00	1.00
1	18	10	0.81	0.93	0.94	0.93	0.94	0.90	0.92	0.93	0.55	0.86	0.83	0.22	1.00	1.00	1.00
1	18	11	0.94	0.94	1.00	1.00	1.00	1.00	0.99	1.00	0.74	0.91	0.97	0.21	1.00	1.00	1.00
1	18	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.95	1.00	0.21	1.00	1.00	1.00
1	18	13	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00	0.65	0.98	0.99	0.23	1.00	1.00	1.00
1	18	14	0.95	1.00	0.98	1.00	0.98	1.00	1.00	0.97	0.71	0.90	0.97	0.27	1.00	1.00	1.00
1	18	15	0.90	0.96	0.85	0.96	0.93	0.94	0.92	0.92	0.69	0.86	0.86	0.16	1.00	1.00	1.00
1	18	16	0.74	0.76	0.71	0.76	0.75	0.76	0.69	0.74	0.65	0.72	0.59	0.10	1.00	1.00	1.00
1	18	17	0.01	0.37	0.35	0.29	0.30	0.33	0.34	0.30	0.20	0.26	0.18	0.00	1.00	1.00	1.00
1	18	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
1	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.00	1.00	1.00
1	19	8	0.20	0.34	0.35	0.48	0.18	0.01	0.33	0.18	0.37	0.39	0.15	0.05	1.00	1.00	1.00
1	19	9	0.60	0.73	0.75	0.77	0.43	0.08	0.46	0.43	0.67	0.68	0.21	0.10	1.00	1.00	1.00
1	19	10	0.82	0.93	0.92	0.93	0.54	0.02	0.52	0.53	0.81	0.75	0.22	0.16	1.00	1.00	1.00
1	19	11	0.93	1.00	0.93	1.00	0.55	0.01	0.46	0.54	0.70	0.81	0.20	0.16	1.00	1.00	1.00
1	19	12	0.97	1.00	0.88	1.00	0.56	0.02	0.21	0.55	0.64	0.81	0.28	0.15	1.00	1.00	1.00
1	19	13	0.98	1.00	0.91	1.00	0.41	0.02	0.26	0.40	0.70	0.80	0.41	0.12	1.00	1.00	1.00
1	19	14	0.94	1.00	0.86	0.61	0.33	0.02	0.13	0.32	0.71	0.76	0.53	0.09	1.00	1.00	1.00
1	19	15	0.89	0.98	0.83	0.27	0.28	0.06	0.16	0.28	0.73	0.72	0.46	0.03	1.00	1.00	1.00
1	19	16	0.73	0.79	0.66	0.28	0.24	0.06	0.17	0.24	0.58	0.59	0.33	0.07	1.00	1.00	1.00
1	19	17	0.16	0.30	0.36	0.07	0.09	0.01	0.05	0.09	0.18	0.22	0.08	0.00	1.00	1.00	1.00
1	19	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
1	19	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.03	1.00	1.00	1.00
1	20	8	0.20	0.33	0.42	0.48	0.42	0.45	0.42	0.41	0.25	0.40	0.23	0.14	1.00	1.00	1.00
1	20	9	0.61	0.74	0.74	0.79	0.71	0.73	0.73	0.70	0.54	0.66	0.39	0.16	1.00	1.00	1.00
1	20	10	0.82	0.93	0.95	0.95	0.89	0.84	0.87	0.88	0.61	0.81	0.63	0.25	1.00	1.00	1.00
1	20	11	0.94	1.00	1.00	1.00	1.00	0.98	0.96	1.00	0.67	0.84	0.68	0.13	1.00	1.00	1.00
1	20	12	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.73	0.88	0.78	0.25	1.00	1.00	1.00
1	20	13	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.71	0.87	0.63	0.34	1.00	1.00	1.00
1	20	14	0.93	1.00	1.00	1.00	1.00	1.00	0.94	1.00	0.65	0.89	0.56	0.31	1.00	1.00	1.00
1	20	15	0.77	0.97	0.97	0.95	0.95	0.94	0.91	0.94	0.65	0.80	0.61	0.25	1.00	1.00	1.00
1	20	16	0.54	0.65	0.79	0.73	0.71	0.77	0.61	0.71	0.59	0.60	0.56	0.33	1.00	1.00	1.00
1	20	17	0.14	0.23	0.44	0.29	0.29	0.36	0.31	0.29	0.19	0.23	0.17	0.01	1.00	1.00	1.00
1	20	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	20	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	7	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.14	1.00	1.00	1.00
1	21	8	0.20	0.34	0.43	0.49	0.45	0.45	0.43	0.45	0.16	0.40	0.22	0.35	1.00	1.00	1.00
1	21	9	0.61	0.73	0.77	0.79	0.78	0.76	0.74	0.77	0.27	0.65	0.28	0.44	1.00	1.00	1.00
1	21	10	0.82	0.90	0.94	0.97	0.96	0.92	0.91	0.95	0.37	0.78	0.30	0.61	1.00	1.00	1.00
1	21	11	0.93	1.00	0.97	1.00	1.00	1.00	1.00	1.00	0.36	0.88	0.38	0.61	1.00	1.00	1.00
1	21	12	0.98	1.00	1.00	1.00	0.99	1.00	1.00	0.98	0.40	0.89	0.49	0.52	1.00	1.00	1.00
1	21	13	1.00	1.00	1.00	0.73	1.00	1.00	1.00	1.00	0.39	0.87	0.51	0.56	1.00	1.00	1.00
1	21	14	0.97	1.00	1.00	1.00	0.99	1.00	0.95	0.98	0.29	0.85	0.46	0.50	1.00	1.00	1.00
1	21	15	0.90	1.00	1.00	0.97	0.97	0.95	0.91	0.96	0.33	0.84	0.51	0.43	1.00	1.00	1.00
1	21	16	0.75	0.83	0.79	0.69	0.79	0.76	0.69	0.78	0.48	0.70	0.47	0.39	1.00	1.00	1.00
1	21	17	0.15	0.11	0.45	0.27	0.34	0.38	0.37	0.34	0.16	0.29	0.14	0.02	1.00	1.00	1.00
1	21	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	21	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	7	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.02	0.09	1.00	1.00	1.00
1	22	8	0.19	0.36	0.44	0.49	0.47	0.44	0.42	0.46	0.20	0.44	0.31	0.14	1.00	1.00	1.00
1	22	9	0.61	0.76	0.78	0.79	0.77	0.76	0.75	0.77	0.44	0.73	0.44	0.19	1.00	1.00	1.00
1	22	10	0.81	0.95	0.94	0.96	0.96	0.92	0.92	0.95	0.57	0.84	0.61	0.33	1.00	1.00	1.00
1	22	11	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.62	0.94	0.74	0.27	1.00	1.00	1.00
1	22	12	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.58	0.95	0.81	0.29	1.00	1.00	1.00
1	22	13	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.61	0.93	0.80	0.41	1.00	1.00	1.00
1	22	14	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.59	0.94	0.86	0.47	1.00	1.00	1.00
1	22	15	0.89	1.00	0.98	0.97	0.95	0.87	0.94	0.94	0.61	0.88	0.81	0.39	1.00	1.00	1.00
1	22	16	0.74	0.80	0.83	0.78	0.76	0.69	0.75	0.75	0.53	0.74	0.66	0.39	1.00	1.00	1.00
1	22	17	0.26	0.10	0.43	0.33	0.35	0.36	0.43	0.35	0.19	0.32	0.23	0.02	1.00	1.00	1.00
1	22	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	22	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	7	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.10	0.15	1.00	1.00	1.00
1	23	8	0.21	0.37	0.45	0.50	0.47	0.44	0.41	0.46	0.29	0.42	0.48	0.37	1.00	1.00	1.00
1	23	9	0.61	0.74	0.78	0.78	0.77	0.74	0.71	0.76	0.49	0.73	0.68	0.49	1.00	1.00	1.00
1	23	10	0.81	0.95	0.95	0.95	0.93	0.90	0.91	0.92	0.67	0.87	0.82	0.47	1.00	1.00	1.00
1	23	11	0.92	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.58	0.94	0.86	0.55	1.00	1.00	1.00
1	23	12	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.57	0.97	0.88	0.58	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
1	23	13	0.08	0.11	0.16	0.03	0.00	0.00	0.00	0.00	0.14	0.07	0.21	0.19
1	23	14	0.09	0.12	0.13	0.03	0.00	0.00	0.00	0.00	0.15	0.08	0.17	0.17
1	23	15	0.10	0.13	0.11	0.02	0.00	0.00	0.00	0.00	0.16	0.09	0.12	0.12
1	23	16	0.11	0.13	0.11	0.03	0.00	0.01	0.00	0.00	0.17	0.10	0.10	0.06
1	23	17	0.13	0.14	0.16	0.05	0.00	0.02	0.00	0.00	0.19	0.13	0.08	0.03
1	23	18	0.16	0.17	0.16	0.06	0.00	0.02	0.00	0.00	0.22	0.15	0.12	0.02
1	23	19	0.18	0.22	0.15	0.09	0.00	0.02	0.00	0.00	0.24	0.18	0.14	0.08
1	23	20	0.19	0.26	0.14	0.11	0.00	0.02	0.00	0.00	0.25	0.18	0.14	0.13
1	23	21	0.23	0.23	0.13	0.13	0.00	0.01	0.00	0.00	0.28	0.22	0.20	0.15
1	23	22	0.23	0.24	0.13	0.14	0.00	0.01	0.00	0.00	0.29	0.23	0.26	0.16
1	23	23	0.20	0.28	0.15	0.16	0.00	0.00	0.00	0.00	0.26	0.19	0.32	0.20
1	23	24	0.16	0.32	0.16	0.16	0.00	0.00	0.00	0.00	0.22	0.16	0.35	0.22
1	24	1	0.25	0.39	0.17	0.16	0.00	0.00	0.00	0.00	0.31	0.24	0.39	0.21
1	24	2	0.31	0.42	0.17	0.16	0.00	0.00	0.00	0.01	0.37	0.31	0.36	0.25
1	24	3	0.28	0.41	0.18	0.17	0.00	0.00	0.00	0.02	0.33	0.27	0.28	0.29
1	24	4	0.22	0.39	0.18	0.17	0.00	0.00	0.00	0.02	0.28	0.21	0.28	0.32
1	24	5	0.18	0.37	0.19	0.16	0.00	0.00	0.00	0.03	0.24	0.18	0.33	0.32
1	24	6	0.16	0.37	0.21	0.16	0.00	0.00	0.00	0.03	0.21	0.15	0.41	0.33
1	24	7	0.08	0.34	0.24	0.16	0.00	0.00	0.00	0.02	0.14	0.07	0.41	0.34
1	24	8	0.06	0.22	0.27	0.16	0.00	0.00	0.00	0.01	0.12	0.05	0.36	0.33
1	24	9	0.03	0.18	0.27	0.16	0.00	0.00	0.00	0.01	0.09	0.02	0.27	0.31
1	24	10	0.03	0.18	0.24	0.15	0.00	0.00	0.00	0.01	0.09	0.02	0.17	0.24
1	24	11	0.03	0.19	0.19	0.13	0.00	0.00	0.00	0.00	0.08	0.02	0.10	0.21
1	24	12	0.04	0.22	0.17	0.12	0.00	0.00	0.00	0.00	0.10	0.03	0.08	0.20
1	24	13	0.04	0.25	0.16	0.11	0.00	0.00	0.00	0.00	0.10	0.03	0.06	0.19
1	24	14	0.04	0.27	0.15	0.11	0.00	0.00	0.00	0.00	0.10	0.03	0.05	0.17
1	24	15	0.05	0.27	0.15	0.10	0.00	0.00	0.00	0.01	0.11	0.04	0.03	0.14
1	24	16	0.05	0.29	0.19	0.11	0.00	0.00	0.00	0.00	0.10	0.04	0.01	0.13
1	24	17	0.03	0.30	0.21	0.12	0.00	0.00	0.00	0.00	0.09	0.02	0.01	0.15
1	24	18	0.02	0.32	0.20	0.12	0.00	0.01	0.00	0.00	0.07	0.01	0.01	0.17
1	24	19	0.00	0.29	0.17	0.11	0.00	0.02	0.00	0.00	0.06	0.00	0.01	0.17
1	24	20	0.00	0.25	0.15	0.11	0.00	0.03	0.00	0.00	0.04	0.00	0.01	0.16
1	24	21	0.00	0.21	0.14	0.11	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.16
1	24	22	0.00	0.20	0.12	0.11	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.16
1	24	23	0.00	0.20	0.10	0.11	0.00	0.03	0.00	0.01	0.01	0.00	0.00	0.16
1	24	24	0.00	0.21	0.09	0.11	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.16
1	25	1	0.00	0.19	0.09	0.11	0.00	0.02	0.00	0.07	0.00	0.00	0.00	0.17
1	25	2	0.00	0.20	0.07	0.10	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.20
1	25	3	0.00	0.22	0.05	0.09	0.00	0.03	0.00	0.04	0.01	0.00	0.00	0.24
1	25	4	0.00	0.21	0.01	0.09	0.00	0.02	0.00	0.05	0.01	0.00	0.00	0.27
1	25	5	0.00	0.17	0.00	0.08	0.00	0.02	0.00	0.06	0.01	0.00	0.00	0.27
1	25	6	0.00	0.13	0.04	0.07	0.00	0.03	0.02	0.04	0.01	0.00	0.00	0.26
1	25	7	0.00	0.10	0.05	0.06	0.00	0.04	0.03	0.02	0.00	0.00	0.00	0.25
1	25	8	0.00	0.09	0.06	0.05	0.00	0.05	0.01	0.01	0.00	0.00	0.00	0.25
1	25	9	0.00	0.07	0.07	0.05	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.26
1	25	10	0.00	0.07	0.06	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.22
1	25	11	0.00	0.07	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21
1	25	12	0.00	0.06	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
1	25	13	0.00	0.06	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
1	25	14	0.00	0.06	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
1	25	15	0.00	0.06	0.15	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
1	25	16	0.00	0.06	0.16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
1	25	17	0.00	0.06	0.19	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.13
1	25	18	0.00	0.06	0.21	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.12
1	25	19	0.00	0.06	0.21	0.02	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.09
1	25	20	0.00	0.07	0.20	0.02	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.07
1	25	21	0.00	0.09	0.18	0.02	0.00	0.15	0.02	0.00	0.00	0.00	0.00	0.05
1	25	22	0.00	0.11	0.19	0.03	0.00	0.19	0.04	0.00	0.00	0.00	0.00	0.02
1	25	23	0.00	0.13	0.20	0.03	0.00	0.21	0.05	0.00	0.00	0.00	0.00	0.01
1	25	24	0.00	0.14	0.20	0.04	0.01	0.19	0.08	0.00	0.00	0.00	0.00	0.00
1	26	1	0.00	0.15	0.20	0.05	0.04	0.14	0.09	0.00	0.00	0.00	0.00	0.00
1	26	2	0.00	0.16	0.19	0.05	0.03	0.11	0.08	0.00	0.00	0.00	0.00	0.01
1	26	3	0.00	0.14	0.18	0.05	0.01	0.13	0.05	0.00	0.00	0.00	0.00	0.05
1	26	4	0.00	0.14	0.11	0.05	0.00	0.18	0.03	0.00	0.00	0.00	0.00	0.08
1	26	5	0.00	0.13	0.09	0.05	0.00	0.15	0.01	0.00	0.00	0.00	0.00	0.11
1	26	6	0.00	0.13	0.07	0.06	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.16
1	26	7	0.00	0.11	0.05	0.06	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.18
1	26	8	0.00	0.07	0.05	0.07	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.17
1	26	9	0.00	0.07	0.04	0.07	0.00	0.04	0.00	0.00	0.01	0.00	0.00	0.09
1	26	10	0.00	0.08	0.03	0.07	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02
1	26	11	0.00	0.12	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	12	0.00	0.19	0.00	0.07	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00
1	26	13	0.00	0.32	0.00	0.07	0.00	0.00	0.01	0.12	0.03	0.00	0.00	0.00
1	26	14	0.02	0.51	0.00	0.07	0.00	0.00	0.00	0.25	0.08	0.01	0.01	0.00
1	26	15	0.09	0.67	0.01	0.07	0.00	0.00	0.00	0.36	0.15	0.08	0.01	0.00
1	26	16	0.20	0.76	0.03	0.09	0.00	0.00	0.00	0.38	0.26	0.19	0.03	0.00
1	26	17	0.22	0.85	0.07	0.11	0.00	0.01	0.00	0.37	0.28	0.21	0.06	0.00
1	26	18	0.22	0.95	0.13	0.13	0.00	0.03	0.00	0.35	0.28	0.21	0.09	0.00
1	26	19	0.18	0.95	0.12	0.13	0.00	0.02	0.00	0.25	0.24	0.17	0.16	0.01
1	26	20	0.16	0.88	0.10	0.12	0.00	0.11	0.00	0.15	0.22	0.15	0.25	0.06
1	26	21	0.17	0.83	0.02	0.11	0.00	0.17	0.00	0.14	0.23	0.16	0.28	0.12
1	26	22	0.12	0.78	0.00	0.10	0.00	0.08	0.01	0.18	0.17	0.11	0.28	0.24
1	26	23	0.12	0.78	0.00	0.10	0.00	0.06	0.03	0.24	0.17	0.11	0.28	0.30
1	26	24	0.13	0.75	0.00	0.10	0.00	0.07	0.06	0.29	0.18	0.12	0.30	0.33
1	27	1	0.12	0.68	0.00	0.10	0.00	0.06	0.12	0.32	0.18	0.11	0.29	0.30
1	27	2	0.10	0.56	0.00	0.12	0.00	0.06	0.21	0.31	0.16	0.09	0.26	0.26
1	27	3	0.08	0.37	0.01	0.14	0.00	0.05	0.32	0.28	0.14	0.07	0.21	0.24
1	27	4	0.06	0.29	0.01	0.14	0.00	0.03	0.41	0.25	0.11	0.05	0.16	0.18
1	27	5	0.06	0.42	0.02	0.12	0.00	0.02	0.49	0.23	0.11	0.05	0.12	0.14
1	27	6	0.05	0.37	0.02	0.11	0.00	0.02	0.56	0.21	0.11	0.04	0.08	0.14
1	27	7	0.06	0.22	0.02	0.10	0.00	0.00	0.57	0.17	0.12	0.05	0.05	0.08
1	27	8	0.06	0.11	0.01	0.11	0.00	0.00	0.61	0.12	0.12	0.05	0.04	0.02
1	27	9	0.00	0.10	0.01	0.10	0.00	0.00	0.64	0.04	0.05	0.00	0.02	0.00
1	27	10	0.00	0.09	0.00	0.08	0.00	0.00	0.65	0.01	0.02	0.00	0.01	0.00
1	27	11	0.00	0.09	0.00	0.09	0.00	0.00	0.65	0.02	0.02	0.00	0.02	0.00
1	27	12	0.00	0.10	0.00	0.09	0.00	0.00	0.75	0.03	0.01	0.00	0.05	0.00
1	27	13	0.00	0.10	0.00	0.11	0.00	0.01	0.74	0.07	0.03	0.00	0.10	0.01
1	27	14	0.00	0.09	0.00	0.12	0.00	0.03	0.72	0.12	0.04	0.00	0.17	0.01
1	27	15	0.02	0.08	0.00	0.14	0.00	0.03	0.66	0.16	0.07	0.01	0.25	0.02
1	27	16	0.07	0.09	0.01	0.15	0.00	0.02	0.54	0.20	0.13	0.06	0.30	0.02
1	27	17	0.15	0.12	0.05	0.20	0.00	0.02	0.34	0.19	0.21	0.14	0.32	0.01
1	27	18	0.20	0.12	0.12	0.23	0.00	0.07	0.19	0.17	0.26	0.19	0.25	0.00
1	27	19	0.12	0.10	0.17	0.24	0.00	0.10	0.14	0.14	0.18	0.11	0.16	0.02
1	27	20	0.06	0.09	0.19	0.23	0.00	0.04	0.07	0.12	0.12	0.05	0.15	0.06
1	27	21	0.07	0.08	0.19	0.23	0.00	0.11	0.06	0.14	0.12	0.06	0.11	0.06
1	27	22	0.08	0.10	0.20	0.24	0.00	0.38	0.02	0.21	0.14	0.07	0.09	0.12
1	27	23	0.06	0.12	0.20	0.27	0.00	0.14	0.00	0.18	0.11	0.05	0.05	0.15
1	27	24	0.03	0.12	0.19	0.33	0.00	0.09	0.00	0.12	0.08	0.02	0.02	0.12
1	28	1	0.00	0.13	0.19	0.38	0.00	0.15	0.00	0.03	0.06	0.00	0.00	0.09
1	28	2	0.00	0.11	0.19	0.41	0.00	0.16	0.03	0.00	0.05	0.00	0.00	0.03
1	28	3	0.01	0.08	0.19	0.41	0.00	0.16	0.05	0.00	0.07	0.01	0.00	0.00
1	28	4	0.04	0.09	0.16	0.42	0.00	0.16	0.05	0.00	0.10	0.03	0.00	0.00
1	28	5	0.06	0.12	0.15	0.44	0.00	0.07	0.07	0.02	0.12	0.05	0.00	0.00
1	28	6	0.06	0.16	0.18	0.42	0.00	0.14	0.08	0.11	0.12	0.05	0.00	0.00
1	28	7	0.05	0.20	0.17	0.42	0.00	0.21	0.11	0.17	0.11	0.04	0.00	0.00
1	28	8	0.04	0.24	0.16	0.42	0.00	0.18	0.15	0.20	0.10	0.03	0.00	0.00
1	28	9	0.04	0.24	0.15	0.39	0.00	0.14	0.16	0.15	0.10	0.04	0.00	0.00
1	28	10	0.07	0.25	0.12	0.29	0.00	0.05	0.18	0.22	0.13	0.06	0.00	0.00
1	28	11	0.11	0.33	0.09	0.24	0.00	0.08	0.19	0.34	0.17	0.10	0.00	0.00
1	28	12	0.12	0.41	0.06	0.23	0.00	0.04	0.30	0.35	0.18	0.11	0.00	0.00
1	28	13	0.12	0.44	0.02	0.22	0.00	0.01	0.34	0.34	0.18	0.11	0.00	0.00
1	28	14	0.12	0.43	0.01	0.23	0.00	0.01	0.32	0.37	0.18	0.11	0.00	0.00
1	28	15	0.13	0.41	0.01	0.24	0.00	0.02	0.30	0.32	0.18	0.12	0.00	0.00
1	28	16	0.19	0.43	0.03	0.23	0.00	0.02	0.26	0.35	0.24	0.18	0.00	0.00
1	28	17	0.27	0.53	0.10	0.31	0.00	0.04	0.22	0.45	0.33	0.26	0.00	0.00
1	28	18	0.31	0.59	0.15	0.31	0.00	0.01	0.19	0.61	0.36	0.30	0.00	0.00
1	28	19	0.26	0.59	0.20	0.28	0.00	0.03	0.15	0.68	0.32	0.26	0.00	0.00
1	28	20	0.22	0.60	0.18	0.27	0.00	0.00	0.08	0.67	0.28	0.21	0.00	0.03
1	28	21	0.19	0.64	0.13	0.27	0.00	0.03	0.02	0.66	0.25	0.18	0.00	0.03
1	28	22	0.17	0.65	0.06	0.29	0.00	0.06	0.00	0.70	0.23	0.16	0.00	0.02
1	28	23	0.15	0.66	0.06	0.35	0.00	0.04	0.00	0.71	0.21	0.14	0.00	0.00
1	28	24	0.16	0.70	0.04	0.46	0.00	0.03	0.00	0.69	0.22	0.15	0.00	0.00
1	29	1	0.15	0.78	0.02	0.54	0.00	0.10	0.00	0.68	0.21	0.14	0.00	0.00
1	29	2	0.15	0.84	0.00	0.53	0.02	0.18	0.00	0.66	0.20	0.14	0.00	0.00
1	29	3	0.15	0.87	0.00	0.56	0.15	0.29	0.00	0.63	0.21	0.14	0.00	0.00

Month	Day	Hour	Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
1	23	13	0.09	0.26	0.17	0.15	0.06	0.07	0.76	0.21	0.11	0.11	0.02	0.86	0.95	0.76	0.93	0.85	0.85	0.88	0.88
1	23	14	0.10	0.24	0.16	0.13	0.04	0.07	0.76	0.21	0.11	0.12	0.03	0.83	0.92	0.73	0.90	0.88	0.85	0.84	0.85
1	23	15	0.11	0.19	0.14	0.12	0.03	0.08	0.79	0.22	0.11	0.13	0.04	0.73	0.84	0.74	0.83	0.83	0.75	0.77	0.82
1	23	16	0.12	0.13	0.13	0.11	0.02	0.09	0.83	0.24	0.13	0.13	0.04	0.53	0.66	0.63	0.64	0.67	0.58	0.59	0.65
1	23	17	0.14	0.09	0.12	0.10	0.01	0.10	0.82	0.31	0.16	0.14	0.04	0.14	0.20	0.21	0.20	0.23	0.09	0.11	0.04
1	23	18	0.17	0.09	0.13	0.11	0.00	0.11	0.82	0.33	0.18	0.17	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	23	19	0.19	0.15	0.14	0.12	0.00	0.11	0.82	0.38	0.19	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	20	0.20	0.20	0.16	0.14	0.00	0.11	0.82	0.39	0.18	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	21	0.24	0.23	0.21	0.18	0.00	0.11	0.84	0.40	0.18	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	22	0.24	0.24	0.23	0.21	0.00	0.12	0.83	0.40	0.18	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	23	0.21	0.28	0.25	0.23	0.00	0.13	0.83	0.40	0.18	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	23	24	0.17	0.29	0.27	0.25	0.00	0.13	0.83	0.42	0.17	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	1	0.26	0.28	0.29	0.27	0.00	0.13	0.81	0.42	0.16	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	2	0.32	0.32	0.30	0.28	0.00	0.16	0.81	0.40	0.16	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	3	0.29	0.36	0.32	0.29	0.01	0.18	0.79	0.38	0.16	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	4	0.23	0.38	0.34	0.32	0.01	0.15	0.78	0.34	0.15	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	5	0.19	0.38	0.35	0.33	0.01	0.12	0.77	0.36	0.14	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	6	0.17	0.40	0.35	0.33	0.01	0.10	0.71	0.36	0.11	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	7	0.09	0.40	0.36	0.33	0.01	0.08	0.65	0.32	0.09	0.34	0.22	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
1	24	8	0.07	0.40	0.36	0.34	0.01	0.05	0.61	0.33	0.07	0.22	0.11	0.09	0.22	0.40	0.22	0.15	0.01	0.03	0.19
1	24	9	0.04	0.37	0.36	0.33	0.00	0.02	0.60	0.29	0.05	0.18	0.08	0.38	0.57	0.64	0.55	0.57	0.45	0.48	0.57
1	24	10	0.04	0.31	0.33	0.31	0.00	0.02	0.59	0.24	0.03	0.18	0.07	0.62	0.78	0.75	0.76	0.81	0.69	0.70	0.77
1	24	11	0.04	0.29	0.30	0.27	0.00	0.02	0.58	0.20	0.03	0.19	0.09	0.77	0.89	0.79	0.88	0.91	0.81	0.82	0.86
1	24	12	0.05	0.27	0.26	0.24	0.01	0.02	0.58	0.19	0.03	0.22	0.11	0.86	0.95	0.86	0.94	0.96	0.88	0.88	0.89
1	24	13	0.05	0.26	0.23	0.20	0.01	0.03	0.56	0.18	0.03	0.25	0.14	0.87	0.96	0.83	0.94	0.94	0.88	0.88	0.88
1	24	14	0.05	0.24	0.20	0.18	0.01	0.03	0.54	0.17	0.02	0.27	0.16	0.83	0.92	0.81	0.90	0.94	0.86	0.84	0.83
1	24	15	0.06	0.21	0.21	0.18	0.02	0.03	0.56	0.14	0.02	0.27	0.16	0.73	0.83	0.76	0.82	0.90	0.74	0.77	0.79
1	24	16	0.05	0.20	0.22	0.20	0.03	0.02	0.62	0.12	0.03	0.29	0.18	0.52	0.64	0.62	0.63	0.75	0.58	0.57	0.66
1	24	17	0.04	0.23	0.22	0.20	0.06	0.02	0.65	0.14	0.05	0.30	0.19	0.14	0.20	0.21	0.20	0.25	0.19	0.14	0.10
1	24	18	0.03	0.25	0.22	0.20	0.08	0.02	0.66	0.21	0.07	0.32	0.20	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	24	19	0.01	0.24	0.23	0.20	0.06	0.01	0.69	0.25	0.08	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	20	0.00	0.24	0.22	0.20	0.04	0.01	0.71	0.28	0.09	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	21	0.00	0.24	0.21	0.19	0.02	0.00	0.72	0.25	0.11	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	22	0.00	0.23	0.20	0.18	0.01	0.00	0.71	0.20	0.12	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	23	0.00	0.23	0.20	0.18	0.01	0.01	0.70	0.15	0.14	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	24	24	0.00	0.23	0.20	0.18	0.01	0.01	0.71	0.07	0.15	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	1	0.00	0.24	0.20	0.18	0.02	0.01	0.72	0.04	0.16	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	2	0.00	0.27	0.20	0.18	0.04	0.01	0.73	0.02	0.14	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	3	0.00	0.31	0.19	0.17	0.06	0.01	0.72	0.03	0.12	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	4	0.00	0.34	0.20	0.17	0.09	0.01	0.70	0.03	0.11	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	5	0.00	0.34	0.20	0.18	0.13	0.01	0.69	0.04	0.11	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	6	0.00	0.33	0.20	0.18	0.18	0.01	0.68	0.05	0.11	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	7	0.00	0.32	0.21	0.19	0.23	0.00	0.66	0.05	0.11	0.10	0.02	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
1	25	8	0.00	0.32	0.20	0.18	0.23	0.00	0.63	0.05	0.09	0.09	0.01	0.09	0.23	0.43	0.22	0.16	0.01	0.03	0.18
1	25	9	0.00	0.34	0.20	0.18	0.21	0.00	0.58	0.04	0.06	0.07	0.00	0.38	0.56	0.69	0.55	0.58	0.38	0.47	0.56
1	25	10	0.00	0.29	0.18	0.16	0.17	0.00	0.56	0.02	0.04	0.07	0.00	0.61	0.76	0.84	0.74	0.78	0.62	0.70	0.74
1	25	11	0.00	0.28	0.16	0.14	0.12	0.00	0.56	0.01	0.03	0.07	0.00	0.77	0.89	0.88	0.87	0.90	0.81	0.83	0.84
1	25	12	0.00	0.26	0.13	0.11	0.09	0.00	0.55	0.00	0.03	0.06	0.00	0.85	0.95	0.88	0.93	0.92	0.89	0.88	0.87
1	25	13	0.00	0.25	0.10	0.08	0.07	0.00	0.57	0.00	0.03	0.06	0.00	0.87	0.96	0.92	0.94	0.94	0.87	0.88	0.89
1	25	14	0.00	0.24	0.08	0.06	0.05	0.00	0.59	0.00	0.02	0.06	0.00	0.84	0.93	0.87	0.91	0.94	0.86	0.85	0.88
1	25	15	0.00	0.23	0.06	0.05	0.03	0.00	0.63	0.00	0.02	0.06	0.00	0.73	0.84	0.82	0.83	0.90	0.78	0.77	0.82
1	25	16	0.00	0.22	0.05	0.04	0.04	0.00	0.67	0.00	0.03	0.06	0.00	0.53	0.66	0.66	0.64	0.77	0.62	0.57	0.67
1	25	17	0.00	0.21	0.04	0.02	0.04	0.00	0.68	0.01	0.05	0.06	0.00	0.15	0.22	0.23	0.22	0.27	0.18	0.23	0.10
1	25	18	0.00	0.19	0.03	0.02	0.03	0.00	0.69	0.01	0.08	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	25	19	0.00	0.17	0.02	0.01	0.02	0.00	0.68	0.00	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	20	0.00	0.14	0.02	0.01	0.01	0.00	0.69	0.01	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	21	0.00	0.12	0.02	0.01	0.01	0.00	0.71	0.00	0.06	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	22	0.00	0.09	0.03	0.02	0.00	0.00	0.74	0.00	0.02	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	23	0.00	0.07	0.04	0.03	0.00	0.00	0.79	0.00	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	25	24	0.00	0.06	0.05	0.04	0.00	0.00	0.83	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	1	0.00	0.04	0.07	0.05	0.00	0.00	0.86	0.00	0.00	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	2	0.00	0.07	0.09	0.07	0.00	0.00	0.89	0.00	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	3	0.00	0.13	0.10	0.08	0.01	0.00	0.91	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	4	0.00	0.15	0.11	0.09	0.02	0.00	0.88	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	5	0.00	0.18	0.12	0.10	0.04	0.00	0.85	0.02	0.00	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	6	0.00	0.23	0.15	0.12	0.06	0.00	0.78	0.02	0.01	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	7	0.00	0.25	0.15	0.13	0.05	0.00	0.71	0.00	0.01	0.11	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
1	26	8	0.00	0.24	0.15	0.12	0.05	0.00	0.64	0.00	0.01	0.07	0.00	0.09	0.22	0.39	0.21	0.08	0.01	0.04	0.18
1	26	9	0.00	0.17	0.14	0.12	0.05	0.00	0.49	0.00	0.00	0.07	0.00	0.36	0.53	0.65	0.52	0.46	0.36	0.44	0.57
1	26	10	0.00	0.08	0.12	0.10	0.04	0.00	0.35	0.00	0.00	0.08	0.01	0.60	0.75	0.76	0.73	0.70	0.61	0.68	0.77
1	26	11	0.00	0.04	0.11	0.09	0.03	0.00	0.26	0.00	0.00	0.12	0.03	0.76	0.88	0.80	0.86	0.77	0.80	0.81	0.85
1	26	12	0.00	0.02	0.11	0.09	0.02	0.00	0.20	0.00	0.02	0.19	0.09	0.85	0.95	0.84	0.93	0.88	0.87	0.88	0.90
1	26	13	0.00	0.02	0.10	0.08	0.01	0.00	0.15	0.00	0.06	0.32	0.21	0.86	0.95	0.84	0.93	0.89	0.86	0.88	0.89
1	26	14	0.03	0.02	0.10	0.08	0.02	0.00	0.13	0.01	0.15	0.51	0.41	0.81	0.90	0.86	0.88	0.90	0.80	0.84	0.87
1	26	15	0.10	0.04	0.10	0.08	0.02	0.00	0.12	0.02	0.23	0.67	0.60	0.68	0.78	0.76	0.77	0.82	0.65	0.76	0.75
1	26	16	0.21	0.06	0.11	0.09	0.04	0.00	0.13	0.04	0.34	0.76	0.71	0.47	0.58	0.60	0.57	0.69	0.50	0.61	0.51
1	26	17	0.23	0.06	0.12	0.10	0.07	0.00	0.16	0.05	0.55	0.85	0.82	0.15	0.22	0.21	0.21	0.20	0.08	0.24	0.12
1	26	18	0.23	0.05	0.14	0.12	0.09	0.00	0.19	0.04	0.69	0.95	0.93	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00
1	26	19	0.19	0.07	0.16	0.14	0.14	0.00	0.21	0.04	0.82	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	20	0.17	0.14	0.19	0.17	0.20	0.00	0.21	0.05	0.85	0.88	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	21	0.18	0.20	0.19	0.17	0.23	0.00	0.24	0.05	0.84	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	22	0.13	0.31	0.19	0.17	0.25	0.00	0.28	0.05	0.83	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	23	0.13	0.37	0.19	0.17	0.24	0.00	0.33	0.08	0.84	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	26	24	0.14	0.40	0.19	0.16	0.21	0.00	0.36	0.10	0.83	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	1	0.13	0.37	0.17	0.14	0.18	0.00	0.34	0.10	0.81	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	2	0.11	0.33	0.15	0.13	0.16	0.00	0.34	0.10	0.80	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	3	0.09	0.31	0.14	0.12	0.17	0.00	0.31	0.10	0.77	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	4	0.07	0.25	0.14	0.12	0.21	0.00	0.31	0.11	0.72	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	5	0.07	0.21	0.14	0.12	0.24	0.00	0.34	0.11	0.65	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	6	0.06	0.21	0.15	0.12	0.29	0.00	0.30	0.10	0.57	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	7	0.07	0.15	0.16	0.13	0.33	0.01	0.26	0.10	0.51	0.22	0.11	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
1	27	8	0.07	0.08	0.16	0.14	0.34	0.01	0.23	0.12	0.35	0.11	0.02	0.04	0.12	0.46	0.11	0.10	0.00	0.02	0.14
1	27	9	0.01	0.04	0.15	0.13	0.33	0.01	0.16	0.11	0.17	0.10	0.02	0.23	0.34	0.69	0.34	0.46	0.16	0.27	0.33
1	27	10	0.00	0.04	0.15	0.12	0.34	0.02	0.11	0.10	0.13	0.09	0.01	0.41	0.51	0.79	0.50	0.66	0.45	0.30	0.45
1	27	11	0.00	0.04	0.14	0.12	0.39	0.02	0.10	0.13	0.13	0.09	0.01	0.49	0.57	0.86	0.55	0.68	0.50	0.18	0.53
1	27	12	0.00	0.05	0.14	0.12	0.45	0.01	0.09	0.17	0.15	0.10	0.02	0.54	0.60	0.88	0.59	0.59	0.50	0.34	0.58
1	27	13	0.00	0.07	0.15	0.12	0.44	0.01	0.08	0.22	0.19	0.10	0.01	0.57	0.62	0.89	0.61	0.70	0.49	0.33	0.51
1	27	14	0.00	0.08	0.17	0.15	0.41	0.01	0.09	0.23	0.21	0.08	0.01	0.51	0.57	0.84	0.56	0.73	0.34	0.39	0.42
1	27	15	0.03	0.09	0.18	0.16	0.35	0.01	0.11	0.24	0.22	0.08	0.00	0.47	0.54	0.78	0.53	0.71	0.39	0.64	0.29
1	27	16	0.08	0.09	0.18	0.16	0.34	0.02	0.21	0.27	0.18	0.09	0.01	0.34	0.42	0.70	0.41	0.59	0.29	0.48	0.16
1	27	17	0.16	0.07	0.20	0.18	0.34	0.03	0.34	0.24	0.20	0.12	0.03	0.11	0.17	0.26	0.17	0.17	0.21	0.23	0.09
1	27	18	0.21	0.05	0.20	0.18	0.33	0.02	0.43	0.24	0.29	0.12	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1	27	19	0.13	0.09	0.18	0.16	0.33	0.01	0.56	0.21	0.35	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	20	0.07	0.13	0.16	0.14	0.30	0.01	0.65	0.20	0.34	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	21	0.08	0.13	0.15	0.13	0.26	0.01	0.68	0.18	0.22	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	22	0.09	0.19	0.15	0.13	0.24	0.01	0.72	0.21	0.11	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	23	0.07	0.22	0.15	0.12	0.23	0.01	0.77	0.21	0.06	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	27	24	0.04	0.19	0.14	0.11	0.22	0.01	0.81	0.18	0.03	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	1	0.01	0.17	0.13	0.11	0.20	0.01	0.85	0.14	0.01	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	2	0.00	0.10	0.13	0.11	0.18	0.02	0.90	0.14	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	3	0.02	0.06	0.13	0.10	0.17	0.03	0.93	0.12	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	4	0.05	0.04	0.12	0.10	0.17	0.04	0.94	0.08	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	5	0.07	0.02	0.12	0.10	0.14	0.05	0.94	0.08	0.00	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	6	0.07	0.02	0.12	0.10	0.09	0.05	0.92	0.07	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	7	0.06	0.03	0.12	0.10	0.06	0.04	0.91	0.08	0.00	0.20	0.10	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
1	28	8	0.05	0.04	0.12	0.10	0.05	0.03	0.90	0.09	0.01	0.24	0.13	0.06	0.16	0.39	0.15	0.15	0.01	0.01	0.08
1	28	9	0.05	0.03	0.12	0.10	0.04	0.01	0.91	0.05	0.01	0.24	0.13	0.27	0.39	0.65	0.39	0.60	0.30	0.23	0.18
1	28	10	0.08	0.02	0.10	0.08	0.02	0.01	0.91	0.03	0.01	0.25	0.15	0.46	0.57	0.80	0.56	0.81	0.41	0.30	0.27
1	28	11	0.12	0.02	0.08	0.06	0.00	0.01	0.93	0.03	0.01	0.33	0.22	0.51	0.59	0.84	0.57	0.92	0.41	0.14	0.32
1	28	12	0.13	0.02	0.08	0.06	0.00	0.01	0.94	0.03	0.02	0.41	0.30	0.55	0.61	0.87	0.60	0.97	0.37	0.10	0.32
1	28	13	0.13	0.02	0.07	0.06	0.00	0.02	0.94	0.03	0.01	0.44	0.33	0.50	0.55	0.88	0.54	0.91	0.20	0.37	0.29
1	28	14	0.13	0.02	0.08	0.06	0.00	0.02	0.93	0.05	0.01	0.43	0.32	0.48	0.53	0.85	0.52	0.93	0.42	0.62	0.39
1	28	15	0.14	0.02	0.08	0.06	0.00	0.03	0.92	0.06	0.01	0.41	0.31	0.39	0.45	0.74	0.44	0.90	0.41	0.62	0.33
1	28	16	0.19	0.03	0.08	0.06	0.00	0.03	0.92	0.07	0.01	0.43	0.34	0.28	0.35	0.60	0.34	0.75	0.49	0.51	0.33
1	28	17	0.28	0.03	0.09	0.07	0.00	0.04	0.90	0.07	0.00	0.53	0.44	0.08	0.12	0.21	0.12	0.18	0.29	0.33	0.16
1	28	18	0.32	0.05	0.09	0.07	0.00	0.04	0.88	0.09	0.00	0.59	0.50	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00
1	28	19	0.27	0.07	0.09	0.07	0.00	0.03	0.88	0.07	0.00	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	20	0.23	0.10	0.08	0.06	0.00	0.02	0.85	0.07	0.00	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	21	0.20	0.10	0.08	0.06	0.00	0.01	0.83	0.09	0.00	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	22	0.18	0.08	0.07	0.05	0.00	0.01	0.84	0.10	0.00	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	23	0.16	0.06	0.07	0.05	0.00	0.02	0.84	0.09	0.00	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	28	24	0.17	0.06	0.07	0.05	0.00	0.02	0.81	0.08	0.00	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	1	0.16	0.06	0.07	0.05	0.00	0.02	0.77	0.09	0.00	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	2	0.16	0.05	0.07	0.05	0.00	0.03	0.74	0.12	0.00	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	3	0.16	0.04	0.06	0.05	0.00	0.04	0.76	0.14	0.00	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
1	23	13	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.49	0.95	0.86	0.56	1.00	1.00	1.00
1	23	14	0.94	1.00	1.00	1.00	1.00	0.98	0.98	1.00	0.60	0.90	0.86	0.61	1.00	1.00	1.00
1	23	15	0.87	0.96	0.98	0.95	0.94	0.92	0.93	0.93	0.56	0.88	0.84	0.59	1.00	1.00	1.00
1	23	16	0.70	0.80	0.82	0.79	0.72	0.71	0.76	0.71	0.57	0.73	0.68	0.46	1.00	1.00	1.00
1	23	17	0.27	0.04	0.39	0.34	0.36	0.37	0.32	0.36	0.20	0.33	0.24	0.03	1.00	1.00	1.00
1	23	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	23	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.13	0.18	1.00	1.00	1.00
1	24	8	0.22	0.35	0.46	0.50	0.46	0.46	0.41	0.46	0.32	0.40	0.50	0.52	1.00	1.00	1.00
1	24	9	0.61	0.74	0.78	0.78	0.75	0.76	0.70	0.75	0.49	0.69	0.72	0.71	1.00	1.00	1.00
1	24	10	0.81	0.93	0.94	0.92	0.92	0.91	0.87	0.91	0.65	0.79	0.81	0.75	1.00	1.00	1.00
1	24	11	0.92	1.00	1.00	1.00	1.00	1.00	0.94	0.99	0.64	0.82	0.87	0.80	1.00	1.00	1.00
1	24	12	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.73	0.92	0.91	0.88	1.00	1.00	1.00
1	24	13	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.68	0.89	0.92	0.88	1.00	1.00	1.00
1	24	14	0.93	1.00	1.00	1.00	1.00	1.00	0.96	1.00	0.65	0.90	0.93	0.89	1.00	1.00	1.00
1	24	15	0.89	0.96	0.94	0.94	0.92	0.91	0.86	0.91	0.64	0.81	0.86	0.77	1.00	1.00	1.00
1	24	16	0.73	0.79	0.73	0.74	0.68	0.74	0.67	0.68	0.61	0.69	0.68	0.60	1.00	1.00	1.00
1	24	17	0.33	0.06	0.21	0.33	0.35	0.42	0.21	0.34	0.22	0.32	0.25	0.04	1.00	1.00	1.00
1	24	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	24	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.15	0.22	1.00	1.00	1.00
1	25	8	0.19	0.38	0.46	0.50	0.48	0.46	0.44	0.47	0.32	0.45	0.54	0.63	1.00	1.00	1.00
1	25	9	0.52	0.74	0.78	0.78	0.77	0.76	0.75	0.76	0.50	0.74	0.76	0.80	1.00	1.00	1.00
1	25	10	0.67	0.93	0.94	0.92	0.93	0.90	0.91	0.92	0.65	0.87	0.87	0.92	1.00	1.00	1.00
1	25	11	0.90	1.00	1.00	0.99	1.00	0.95	1.00	1.00	0.59	0.93	0.92	0.95	1.00	1.00	1.00
1	25	12	0.96	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.54	0.94	0.95	0.98	1.00	1.00	1.00
1	25	13	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.76	0.97	0.98	1.00	1.00	1.00	1.00
1	25	14	0.97	1.00	1.00	1.00	1.00	0.93	0.98	1.00	0.72	0.90	0.95	0.96	1.00	1.00	1.00
1	25	15	0.90	0.98	0.98	0.94	0.91	0.81	0.92	0.91	0.74	0.86	0.90	0.83	1.00	1.00	1.00
1	25	16	0.75	0.74	0.82	0.77	0.67	0.68	0.77	0.66	0.64	0.74	0.72	0.64	1.00	1.00	1.00
1	25	17	0.25	0.14	0.30	0.35	0.36	0.33	0.28	0.35	0.24	0.38	0.27	0.06	1.00	1.00	1.00
1	25	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	25	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.17	0.11	1.00	1.00	1.00
1	26	8	0.14	0.37	0.47	0.50	0.47	0.47	0.43	0.47	0.37	0.45	0.58	0.36	1.00	1.00	1.00
1	26	9	0.37	0.74	0.78	0.78	0.76	0.76	0.70	0.75	0.54	0.73	0.82	0.67	1.00	1.00	1.00
1	26	10	0.66	0.91	0.96	0.93	0.91	0.92	0.87	0.90	0.69	0.85	0.94	0.62	1.00	1.00	1.00
1	26	11	0.91	1.00	1.00	1.00	1.00	1.00	0.94	1.00	0.78	0.89	1.00	0.59	1.00	1.00	1.00
1	26	12	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.83	0.94	1.00	0.61	1.00	1.00	1.00
1	26	13	0.98	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.84	0.95	1.00	0.66	1.00	1.00	1.00
1	26	14	0.79	0.94	1.00	1.00	1.00	0.98	1.00	1.00	0.75	0.94	1.00	0.73	1.00	1.00	1.00
1	26	15	0.53	0.83	0.96	0.95	0.94	0.91	0.92	0.93	0.75	0.87	0.93	0.54	1.00	1.00	1.00
1	26	16	0.46	0.42	0.72	0.74	0.76	0.73	0.74	0.75	0.65	0.70	0.73	0.53	1.00	1.00	1.00
1	26	17	0.33	0.12	0.25	0.40	0.43	0.36	0.23	0.42	0.25	0.35	0.28	0.04	1.00	1.00	1.00
1	26	18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
1	26	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	7	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.23	1.00	1.00	1.00
1	27	8	0.05	0.13	0.44	0.39	0.23	0.06	0.13	0.23	0.44	0.45	0.48	0.76	1.00	1.00	1.00
1	27	9	0.20	0.42	0.73	0.76	0.51	0.14	0.36	0.50	0.64	0.70	0.66	0.92	1.00	1.00	1.00
1	27	10	0.22	0.49	0.90	0.90	0.75	0.27	0.69	0.74	0.75	0.77	0.76	0.99	1.00	1.00	1.00
1	27	11	0.12	0.36	0.98	1.00	0.92	0.43	0.79	0.91	0.84	0.83	0.74	1.00	1.00	1.00	1.00
1	27	12	0.13	0.09	0.90	1.00	1.00	0.65	0.96	0.99	0.89	0.90	0.79	1.00	1.00	1.00	1.00
1	27	13	0.19	0.05	0.94	1.00	1.00	0.79	0.97	1.00	0.88	0.90	0.79	1.00	1.00	1.00	1.00
1	27	14	0.06	0.03	0.71	1.00	1.00	0.77	0.91	1.00	0.84	0.91	0.85	1.00	1.00	1.00	1.00
1	27	15	0.13	0.03	0.51	0.96	0.95	0.73	0.84	0.95	0.81	0.82	0.77	0.91	1.00	1.00	1.00
1	27	16	0.15	0.13	0.36	0.78	0.77	0.64	0.68	0.76	0.73	0.73	0.62	0.68	1.00	1.00	1.00
1	27	17	0.15	0.00	0.05	0.47	0.39	0.16	0.21	0.39	0.29	0.36	0.24	0.07	1.00	1.00	1.00
1	27	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
1	27	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	7	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.14	0.16	1.00	1.00	1.00
1	28	8	0.09	0.15	0.41	0.31	0.45	0.25	0.35	0.45	0.42	0.32	0.50	0.44	1.00	1.00	1.00
1	28	9	0.32	0.24	0.68	0.63	0.66	0.55	0.60	0.66	0.74	0.53	0.74	0.61	1.00	1.00	1.00
1	28	10	0.47	0.34	0.86	0.86	0.84	0.78	0.81	0.84	0.86	0.72	0.89	0.67	1.00	1.00	1.00
1	28	11	0.21	0.50	0.94	0.72	0.82	0.81	0.98	0.82	0.86	0.71	0.90	0.77	1.00	1.00	1.00
1	28	12	0.36	0.40	1.00	0.63	0.91	0.92	0.94	0.91	0.88	0.79	0.89	0.84	1.00	1.00	1.00
1	28	13	0.32	0.44	0.72	1.00	0.56	0.76	0.64	0.56	0.88	0.76	0.91	0.98	1.00	1.00	1.00
1	28	14	0.36	0.49	0.75	0.94	0.39	0.34	0.40	0.38	0.87	0.76	0.75	1.00	1.00	1.00	1.00
1	28	15	0.14	0.64	0.56	0.55	0.34	0.29	0.36	0.34	0.85	0.70	0.63	0.86	1.00	1.00	1.00
1	28	16	0.15	0.65	0.47	0.09	0.23	0.22	0.27	0.23	0.69	0.59	0.42	0.66	1.00	1.00	1.00
1	28	17	0.06	0.13	0.06	0.02	0.11	0.08	0.12	0.11	0.27	0.26	0.14	0.07	1.00	1.00	1.00
1	28	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
1	28	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
1	29	4	0.14	0.87	0.00	0.57	0.33	0.38	0.00	0.61	0.20	0.13	0.00	0.00
1	29	5	0.13	0.86	0.00	0.57	0.46	0.46	0.00	0.59	0.19	0.12	0.00	0.00
1	29	6	0.14	0.84	0.00	0.56	0.51	0.46	0.00	0.59	0.20	0.13	0.01	0.03
1	29	7	0.12	0.83	0.00	0.57	0.55	0.64	0.00	0.57	0.18	0.11	0.04	0.09
1	29	8	0.10	0.80	0.00	0.56	0.57	0.86	0.00	0.53	0.16	0.09	0.06	0.18
1	29	9	0.11	0.74	0.00	0.51	0.43	0.40	0.00	0.44	0.17	0.10	0.04	0.17
1	29	10	0.16	0.72	0.00	0.38	0.12	0.15	0.00	0.45	0.22	0.15	0.03	0.18
1	29	11	0.18	0.73	0.00	0.32	0.01	0.12	0.00	0.49	0.23	0.17	0.05	0.17
1	29	12	0.19	0.75	0.00	0.32	0.00	0.07	0.00	0.53	0.24	0.18	0.06	0.14
1	29	13	0.20	0.76	0.00	0.33	0.00	0.10	0.00	0.59	0.26	0.19	0.05	0.13
1	29	14	0.18	0.73	0.00	0.33	0.00	0.32	0.00	0.62	0.24	0.17	0.05	0.11
1	29	15	0.20	0.66	0.00	0.32	0.00	0.24	0.00	0.62	0.26	0.19	0.04	0.10
1	29	16	0.21	0.56	0.00	0.28	0.00	0.38	0.00	0.62	0.27	0.21	0.01	0.08
1	29	17	0.20	0.42	0.00	0.41	0.02	0.28	0.00	0.58	0.25	0.19	0.00	0.04
1	29	18	0.24	0.26	0.00	0.49	0.12	0.42	0.00	0.62	0.30	0.23	0.00	0.00
1	29	19	0.22	0.14	0.02	0.49	0.20	0.72	0.00	0.56	0.28	0.21	0.00	0.00
1	29	20	0.16	0.07	0.03	0.48	0.13	0.76	0.00	0.53	0.22	0.15	0.00	0.00
1	29	21	0.09	0.05	0.07	0.47	0.02	0.71	0.01	0.49	0.15	0.08	0.00	0.00
1	29	22	0.07	0.04	0.06	0.44	0.00	0.72	0.01	0.44	0.12	0.06	0.00	0.06
1	29	23	0.05	0.09	0.01	0.41	0.00	0.74	0.02	0.39	0.10	0.04	0.01	0.04
1	29	24	0.06	0.07	0.00	0.43	0.00	0.67	0.01	0.37	0.12	0.05	0.00	0.03
1	30	1	0.07	0.05	0.00	0.43	0.00	0.27	0.00	0.38	0.12	0.06	0.00	0.04
1	30	2	0.08	0.05	0.00	0.40	0.00	0.13	0.00	0.39	0.13	0.07	0.00	0.08
1	30	3	0.08	0.06	0.00	0.35	0.00	0.07	0.00	0.40	0.14	0.08	0.00	0.13
1	30	4	0.07	0.07	0.00	0.28	0.00	0.03	0.00	0.39	0.13	0.06	0.03	0.22
1	30	5	0.04	0.09	0.02	0.22	0.00	0.03	0.00	0.32	0.10	0.04	0.03	0.31
1	30	6	0.00	0.09	0.10	0.16	0.00	0.03	0.00	0.25	0.06	0.00	0.04	0.39
1	30	7	0.00	0.08	0.15	0.12	0.00	0.03	0.00	0.19	0.03	0.00	0.03	0.43
1	30	8	0.00	0.08	0.16	0.08	0.00	0.03	0.00	0.13	0.02	0.00	0.01	0.42
1	30	9	0.00	0.08	0.14	0.07	0.00	0.03	0.00	0.03	0.01	0.00	0.00	0.34
1	30	10	0.00	0.08	0.14	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.26
1	30	11	0.00	0.07	0.14	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.23
1	30	12	0.00	0.07	0.14	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.25
1	30	13	0.00	0.07	0.14	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.11
1	30	14	0.00	0.09	0.14	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18
1	30	15	0.00	0.09	0.13	0.10	0.00	0.02	0.00	0.00	0.00	0.00	0.21	0.35
1	30	16	0.00	0.09	0.12	0.11	0.07	0.03	0.00	0.01	0.00	0.00	0.27	0.40
1	30	17	0.01	0.11	0.15	0.20	0.30	0.03	0.00	0.13	0.03	0.01	0.33	0.49
1	30	18	0.14	0.15	0.17	0.29	0.58	0.14	0.02	0.23	0.20	0.13	0.37	0.55
1	30	19	0.19	0.16	0.20	0.26	0.70	0.39	0.05	0.28	0.24	0.18	0.45	0.56
1	30	20	0.29	0.17	0.19	0.21	0.71	0.23	0.04	0.35	0.34	0.28	0.55	0.63
1	30	21	0.28	0.16	0.19	0.19	0.71	0.14	0.02	0.42	0.34	0.27	0.58	0.70
1	30	22	0.24	0.18	0.18	0.17	0.71	0.16	0.01	0.45	0.29	0.23	0.60	0.72
1	30	23	0.26	0.27	0.16	0.15	0.68	0.19	0.02	0.48	0.31	0.25	0.65	0.70
1	30	24	0.25	0.40	0.16	0.13	0.64	0.37	0.03	0.50	0.31	0.24	0.62	0.70
1	31	1	0.20	0.53	0.16	0.13	0.58	0.73	0.03	0.51	0.26	0.19	0.50	0.65
1	31	2	0.17	0.62	0.10	0.13	0.52	0.66	0.03	0.50	0.23	0.16	0.43	0.62
1	31	3	0.18	0.66	0.06	0.13	0.46	0.75	0.03	0.51	0.24	0.17	0.42	0.67
1	31	4	0.25	0.73	0.06	0.13	0.36	0.46	0.04	0.56	0.31	0.24	0.38	0.58
1	31	5	0.34	0.76	0.09	0.13	0.23	0.54	0.10	0.58	0.40	0.34	0.35	0.59
1	31	6	0.39	0.77	0.08	0.13	0.12	0.54	0.20	0.57	0.43	0.38	0.33	0.59
1	31	7	0.44	0.79	0.05	0.13	0.03	0.47	0.26	0.55	0.49	0.44	0.26	0.58
1	31	8	0.41	0.81	0.02	0.13	0.00	0.41	0.31	0.53	0.46	0.41	0.25	0.53
1	31	9	0.33	0.86	0.00	0.11	0.00	0.22	0.37	0.44	0.38	0.32	0.22	0.43
1	31	10	0.34	0.95	0.00	0.06	0.00	0.10	0.38	0.31	0.39	0.33	0.23	0.36
1	31	11	0.30	0.97	0.00	0.04	0.00	0.09	0.38	0.21	0.36	0.30	0.21	0.26
1	31	12	0.26	0.97	0.00	0.03	0.00	0.07	0.37	0.17	0.31	0.25	0.24	0.25
1	31	13	0.20	0.95	0.00	0.02	0.00	0.09	0.38	0.16	0.26	0.20	0.28	0.31
1	31	14	0.20	0.93	0.01	0.01	0.00	0.06	0.41	0.18	0.26	0.19	0.35	0.36
1	31	15	0.24	0.89	0.08	0.01	0.00	0.05	0.44	0.26	0.30	0.23	0.40	0.47
1	31	16	0.29	0.76	0.16	0.01	0.00	0.04	0.50	0.38	0.34	0.28	0.45	0.52
1	31	17	0.37	0.71	0.17	0.01	0.00	0.05	0.56	0.47	0.42	0.36	0.52	0.53
1	31	18	0.40	0.78	0.16	0.03	0.06	0.08	0.58	0.50	0.45	0.39	0.54	0.54
1	31	19	0.41	0.67	0.16	0.08	0.30	0.07	0.58	0.51	0.46	0.40	0.55	0.50
1	31	20	0.42	0.58	0.17	0.13	0.49	0.14	0.57	0.58	0.47	0.41	0.53	0.54
1	31	21	0.44	0.59	0.17	0.12	0.62	0.29	0.58	0.60	0.49	0.43	0.50	0.63
1	31	22	0.44	0.62	0.18	0.12	0.65	0.44	0.59	0.63	0.49	0.43	0.50	0.61
1	31	23	0.40	0.58	0.19	0.13	0.65	0.42	0.59	0.62	0.44	0.39	0.52	0.58
1	31	24	0.36	0.56	0.17	0.13	0.64	0.47	0.57	0.61	0.41	0.35	0.54	0.61
2	1	1	0.34	0.56	0.15	0.12	0.61	0.39	0.54	0.63	0.39	0.33	0.62	0.63
2	1	2	0.34	0.54	0.13	0.11	0.59	0.26	0.52	0.64	0.39	0.33	0.62	0.70
2	1	3	0.33	0.55	0.16	0.10	0.54	0.18	0.49	0.60	0.38	0.32	0.57	0.77
2	1	4	0.34	0.54	0.15	0.09	0.48	0.13	0.44	0.60	0.39	0.33	0.53	0.72
2	1	5	0.29	0.63	0.16	0.09	0.42	0.12	0.37	0.61	0.35	0.28	0.51	0.66
2	1	6	0.24	0.74	0.17	0.10	0.35	0.10	0.33	0.59	0.29	0.23	0.54	0.61
2	1	7	0.22	0.78	0.18	0.10	0.29	0.08	0.33	0.53	0.28	0.21	0.49	0.61
2	1	8	0.15	0.76	0.19	0.10	0.22	0.04	0.33	0.43	0.21	0.14	0.41	0.58
2	1	9	0.02	0.84	0.22	0.08	0.10	0.02	0.32	0.25	0.07	0.01	0.33	0.57
2	1	10	0.00	0.93	0.21	0.05	0.01	0.00	0.34	0.07	0.00	0.00	0.29	0.57
2	1	11	0.00	0.98	0.20	0.05	0.00	0.00	0.38	0.01	0.00	0.00	0.24	0.55
2	1	12	0.00	0.99	0.15	0.05	0.00	0.00	0.41	0.00	0.00	0.00	0.22	0.52
2	1	13	0.00	1.00	0.07	0.07	0.00	0.01	0.47	0.00	0.02	0.00	0.22	0.48
2	1	14	0.01	1.00	0.01	0.08	0.00	0.03	0.52	0.04	0.06	0.00	0.27	0.46
2	1	15	0.04	1.00	0.01	0.09	0.00	0.05	0.53	0.14	0.10	0.04	0.31	0.43
2	1	16	0.17	0.97	0.01	0.09	0.00	0.09	0.53	0.31	0.22	0.16	0.28	0.44
2	1	17	0.29	0.95	0.02	0.12	0.03	0.15	0.55	0.50	0.35	0.28	0.32	0.45
2	1	18	0.38	0.98	0.03	0.14	0.18	0.15	0.58	0.60	0.43	0.38	0.35	0.52
2	1	19	0.38	1.00	0.05	0.12	0.28	0.10	0.56	0.58	0.43	0.38	0.37	0.67
2	1	20	0.35	0.99	0.07	0.12	0.32	0.05	0.52	0.50	0.40	0.35	0.35	0.66
2	1	21	0.42	0.97	0.11	0.11	0.32	0.16	0.48	0.41	0.47	0.41	0.29	0.54
2	1	22	0.27	0.92	0.10	0.10	0.30	0.16	0.43	0.32	0.33	0.26	0.21	0.48
2	1	23	0.12	0.78	0.10	0.10	0.21	0.04	0.37	0.16	0.18	0.11	0.14	0.33
2	1	24	0.03	0.70	0.17	0.09	0.10	0.06	0.30	0.02	0.09	0.02	0.09	0.10
2	2	1	0.00	0.59	0.18	0.09	0.02	0.07	0.21	0.00	0.03	0.00	0.05	0.03
2	2	2	0.00	0.49	0.18	0.10	0.00	0.04	0.14	0.00	0.00	0.00	0.04	0.01
2	2	3	0.00	0.38	0.18	0.10	0.00	0.02	0.07	0.00	0.00	0.00	0.08	0.02
2	2	4	0.00	0.29	0.18	0.09	0.00	0.02	0.01	0.00	0.00	0.00	0.06	0.09
2	2	5	0.00	0.26	0.19	0.10	0.00	0.02	0.00	0.00	0.00	0.00	0.06	0.15
2	2	6	0.00	0.20	0.20	0.09	0.00	0.02	0.00	0.01	0.00	0.00	0.15	0.19
2	2	7	0.00	0.32	0.17	0.09	0.00	0.02	0.00	0.04	0.00	0.00	0.16	0.21
2	2	8	0.00	0.31	0.10	0.08	0.00	0.02	0.00	0.04	0.00	0.00	0.15	0.21
2	2	9	0.00	0.46	0.07	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.08	0.21
2	2	10	0.00	0.57	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.23
2	2	11	0.00	0.59	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.26
2	2	12	0.00	0.63	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.27
2	2	13	0.00	0.65	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.23
2	2	14	0.00	0.69	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.21
2	2	15	0.00	0.78	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.18
2	2	16	0.00	0.77	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18
2	2	17	0.00	0.75	0.07	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.17
2	2	18	0.00	0.77	0.09	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.19
2	2	19	0.00	0.82	0.08	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.07	0.23
2	2	20	0.00	0.88	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.26
2	2	21	0.00	0.90	0.01	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.07	0.31
2	2	22	0.00	0.91	0.00	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.11	0.33
2	2	23	0.00	0.88	0.00	0.02	0.00	0.02	0.00	0.00	0.04	0.00	0.15	0.32
2	2	24	0.00	0.86	0.00	0.03	0.00	0.03	0.00	0.00	0.05	0.00	0.17	0.31
2	3	1	0.01	0.89	0.01	0.02	0.00	0.03	0.00	0.00	0.07	0.00	0.22	0.30
2	3	2	0.02	0.93	0.03	0.02	0.00	0.03	0.00	0.00	0.07	0.01	0.26	0.31
2	3	3	0.02	0.92	0.09	0.02	0.00	0.01	0.00	0.00	0.07	0.01	0.22	0.33
2	3	4	0.02	0.90	0.21	0.03	0.00	0.01	0.00	0.00	0.08	0.02	0.21	0.37
2	3	5	0.03	0.94	0.31	0.03	0.00	0.02	0.00	0.00	0.09	0.02	0.25	0.36
2	3	6	0.03	0.96	0.37	0.04	0.00	0.03	0.00	0.00	0.09	0.02	0.29	0.26
2	3	7	0.04	0.96	0.40	0.04	0.00	0.04	0.00	0.00	0.10	0.03	0.30	0.23
2	3	8	0.05	0.94	0.43	0.05	0.00	0.05	0.00	0.00	0.10	0.04	0.25	0.23
2	3	9	0.03	0.81	0.37	0.05	0.00	0.04	0.00	0.00	0.09	0.02	0.21	0.23
2	3	10	0.01	0.65	0.31	0.02	0.00	0.02	0.00	0.00	0.06	0.00	0.17	0.23
2	3	11	0.00	0.60	0.32	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.15	0.24
2	3	12	0.00	0.58	0.30	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.14	0.25
2	3	13	0.00	0.63	0.24	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.13	0.24
2	3	14	0.00	0.68	0.15	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.12	0.24
2	3	15	0.00	0.68	0.09	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.23
2	3	16	0.00	0.75	0.08	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.07	0.21
2	3	17	0.00	0.82	0.06	0.02	0.00	0.02	0.00	0.00	0.05	0.00	0.05	0.19
2	3	18	0.01	0.79	0.04	0.03	0.00	0.05	0.04	0.00	0.07	0.01	0.05	0.21

Month	Day	Hour	Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
1	29	4	0.15	0.04	0.05	0.04	0.00	0.04	0.80	0.17	0.00	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	5	0.14	0.06	0.04	0.03	0.00	0.04	0.82	0.17	0.00	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	6	0.15	0.09	0.03	0.02	0.00	0.04	0.84	0.15	0.00	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	7	0.13	0.17	0.02	0.01	0.00	0.03	0.85	0.16	0.00	0.83	0.79	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
1	29	8	0.11	0.26	0.02	0.01	0.00	0.02	0.78	0.15	0.00	0.80	0.76	0.07	0.17	0.43	0.17	0.17	0.03	0.06	0.13
1	29	9	0.12	0.25	0.01	0.00	0.00	0.01	0.68	0.09	0.00	0.74	0.68	0.28	0.42	0.70	0.41	0.58	0.46	0.45	0.29
1	29	10	0.17	0.25	0.01	0.00	0.00	0.01	0.63	0.04	0.00	0.72	0.66	0.49	0.61	0.84	0.60	0.79	0.71	0.54	0.33
1	29	11	0.19	0.24	0.02	0.01	0.00	0.01	0.58	0.01	0.00	0.73	0.67	0.64	0.73	0.93	0.72	0.91	0.84	0.64	0.39
1	29	12	0.20	0.22	0.02	0.01	0.00	0.02	0.54	0.00	0.00	0.75	0.70	0.71	0.79	0.95	0.77	0.97	0.86	0.55	0.58
1	29	13	0.21	0.20	0.03	0.01	0.00	0.02	0.51	0.00	0.00	0.76	0.70	0.67	0.73	0.91	0.72	0.95	0.58	0.56	0.52
1	29	14	0.19	0.19	0.03	0.02	0.01	0.02	0.46	0.00	0.00	0.73	0.67	0.63	0.70	0.85	0.69	0.95	0.53	0.66	0.62
1	29	15	0.21	0.17	0.03	0.02	0.02	0.02	0.42	0.01	0.00	0.66	0.59	0.54	0.62	0.78	0.61	0.89	0.55	0.63	0.58
1	29	16	0.22	0.15	0.03	0.02	0.04	0.02	0.47	0.02	0.00	0.56	0.48	0.37	0.45	0.61	0.44	0.69	0.49	0.43	0.45
1	29	17	0.21	0.11	0.04	0.02	0.08	0.02	0.51	0.05	0.00	0.42	0.32	0.11	0.16	0.23	0.16	0.16	0.29	0.17	0.24
1	29	18	0.25	0.06	0.04	0.03	0.10	0.02	0.48	0.05	0.00	0.26	0.16	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01
1	29	19	0.23	0.03	0.05	0.03	0.12	0.02	0.43	0.04	0.00	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	20	0.17	0.02	0.05	0.04	0.12	0.02	0.37	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	21	0.10	0.05	0.06	0.04	0.09	0.01	0.31	0.03	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	22	0.08	0.13	0.07	0.05	0.06	0.01	0.25	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	23	0.06	0.11	0.07	0.06	0.03	0.00	0.17	0.00	0.02	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	29	24	0.07	0.10	0.09	0.07	0.02	0.00	0.10	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	1	0.08	0.11	0.10	0.08	0.01	0.00	0.06	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	2	0.09	0.15	0.10	0.08	0.00	0.00	0.04	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	3	0.09	0.20	0.11	0.09	0.00	0.00	0.02	0.00	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	4	0.08	0.29	0.12	0.10	0.00	0.00	0.02	0.00	0.09	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	5	0.05	0.37	0.12	0.10	0.01	0.00	0.03	0.02	0.20	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	6	0.01	0.45	0.12	0.10	0.02	0.00	0.04	0.09	0.24	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	7	0.00	0.49	0.12	0.10	0.04	0.00	0.06	0.07	0.23	0.08	0.01	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
1	30	8	0.00	0.48	0.12	0.10	0.05	0.00	0.08	0.09	0.13	0.08	0.01	0.03	0.09	0.29	0.09	0.17	0.01	0.05	0.06
1	30	9	0.00	0.40	0.12	0.09	0.05	0.00	0.07	0.04	0.05	0.08	0.00	0.17	0.26	0.40	0.26	0.58	0.33	0.34	0.19
1	30	10	0.00	0.33	0.10	0.08	0.05	0.00	0.07	0.07	0.05	0.08	0.00	0.33	0.42	0.47	0.41	0.82	0.56	0.43	0.25
1	30	11	0.00	0.30	0.09	0.07	0.04	0.00	0.07	0.19	0.07	0.07	0.00	0.43	0.50	0.48	0.49	0.92	0.70	0.57	0.36
1	30	12	0.00	0.33	0.09	0.07	0.04	0.00	0.07	0.20	0.08	0.07	0.00	0.51	0.57	0.50	0.56	0.97	0.77	0.75	0.42
1	30	13	0.00	0.17	0.09	0.07	0.04	0.00	0.09	0.19	0.07	0.07	0.00	0.53	0.58	0.43	0.57	0.95	0.88	0.87	0.38
1	30	14	0.00	0.25	0.10	0.08	0.04	0.00	0.10	0.18	0.06	0.09	0.01	0.47	0.52	0.44	0.51	0.96	0.80	0.80	0.27
1	30	15	0.00	0.42	0.11	0.09	0.04	0.00	0.11	0.18	0.04	0.08	0.01	0.40	0.45	0.39	0.45	0.92	0.70	0.67	0.17
1	30	16	0.00	0.46	0.11	0.09	0.03	0.00	0.13	0.19	0.03	0.09	0.01	0.29	0.35	0.31	0.35	0.80	0.61	0.50	0.13
1	30	17	0.01	0.55	0.13	0.11	0.04	0.01	0.17	0.09	0.04	0.11	0.02	0.11	0.16	0.13	0.16	0.29	0.26	0.29	0.15
1	30	18	0.15	0.60	0.14	0.12	0.05	0.02	0.29	0.12	0.08	0.15	0.05	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
1	30	19	0.20	0.60	0.14	0.11	0.06	0.02	0.44	0.21	0.13	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	20	0.30	0.67	0.13	0.11	0.07	0.03	0.49	0.26	0.18	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	21	0.29	0.74	0.12	0.10	0.12	0.05	0.52	0.29	0.20	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	22	0.25	0.75	0.11	0.09	0.20	0.06	0.50	0.24	0.24	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	23	0.27	0.73	0.12	0.10	0.26	0.06	0.46	0.19	0.27	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	30	24	0.26	0.73	0.12	0.10	0.34	0.04	0.42	0.14	0.31	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	1	0.21	0.69	0.12	0.10	0.52	0.02	0.33	0.12	0.32	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	2	0.18	0.66	0.11	0.09	0.61	0.01	0.25	0.09	0.31	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	3	0.19	0.71	0.11	0.09	0.60	0.00	0.24	0.08	0.32	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	4	0.26	0.62	0.11	0.09	0.60	0.01	0.27	0.08	0.35	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	5	0.35	0.63	0.10	0.08	0.66	0.04	0.29	0.08	0.40	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	6	0.39	0.63	0.09	0.07	0.75	0.09	0.25	0.09	0.41	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	7	0.45	0.63	0.08	0.07	0.78	0.16	0.22	0.09	0.37	0.79	0.74	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
1	31	8	0.42	0.58	0.07	0.06	0.69	0.14	0.26	0.10	0.26	0.81	0.77	0.06	0.15	0.30	0.14	0.18	0.01	0.03	0.11
1	31	9	0.34	0.49	0.07	0.05	0.48	0.08	0.29	0.09	0.23	0.86	0.84	0.25	0.37	0.51	0.37	0.61	0.19	0.28	0.31
1	31	10	0.35	0.43	0.05	0.04	0.28	0.09	0.26	0.12	0.24	0.95	0.93	0.44	0.55	0.62	0.54	0.85	0.35	0.57	0.35
1	31	11	0.31	0.32	0.04	0.03	0.19	0.11	0.25	0.10	0.27	0.97	0.96	0.54	0.62	0.64	0.61	0.95	0.45	0.67	0.43
1	31	12	0.27	0.32	0.03	0.01	0.11	0.15	0.24	0.08	0.38	0.97	0.96	0.56	0.62	0.74	0.61	0.95	0.66	0.77	0.41
1	31	13	0.21	0.38	0.02	0.01	0.06	0.18	0.23	0.11	0.42	0.95	0.94	0.60	0.66	0.69	0.65	0.97	0.78	0.61	0.40
1	31	14	0.21	0.42	0.02	0.01	0.03	0.22	0.21	0.17	0.54	0.93	0.92	0.63	0.70	0.71	0.69	0.98	0.87	0.85	0.42
1	31	15	0.25	0.53	0.01	0.00	0.01	0.28	0.21	0.24	0.40	0.89	0.86	0.56	0.64	0.65	0.63	0.94	0.79	0.80	0.41
1	31	16	0.30	0.57	0.01	0.00	0.01	0.33	0.23	0.27	0.33	0.76	0.71	0.47	0.57	0.58	0.56	0.78	0.67	0.69	0.28
1	31	17	0.38	0.58	0.02	0.01	0.03	0.38	0.14	0.30	0.43	0.71	0.65	0.16	0.22	0.20	0.22	0.37	0.30	0.33	0.15
1	31	18	0.41	0.59	0.03	0.02	0.04	0.35	0.12	0.31	0.31	0.79	0.73	0.00	0.01	0.00	0.01	0.02	0.01	0.01	0.01
1	31	19	0.42	0.55	0.05	0.03	0.05	0.26	0.12	0.21	0.37	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	20	0.43	0.59	0.06	0.05	0.06	0.18	0.14	0.12	0.38	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	21	0.45	0.67	0.08	0.06	0.10	0.10	0.20	0.12	0.43	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	22	0.45	0.65	0.10	0.08	0.16	0.04	0.37	0.12	0.47	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	23	0.40	0.63	0.13	0.11	0.24	0.01	0.61	0.10	0.52	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	31	24	0.37	0.66	0.16	0.14	0.28	0.00	0.73	0.10	0.56	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	1	0.35	0.67	0.17	0.15	0.31	0.00	0.75	0.12	0.70	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	2	0.35	0.73	0.18	0.15	0.31	0.00	0.74	0.13	0.78	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	3	0.34	0.80	0.17	0.15	0.32	0.00	0.78	0.14	0.83	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	4	0.35	0.75	0.18	0.16	0.33	0.00	0.79	0.13	0.82	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	5	0.30	0.70	0.18	0.16	0.38	0.00	0.77	0.13	0.80	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	6	0.25	0.65	0.18	0.16	0.40	0.00	0.75	0.11	0.80	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	7	0.23	0.65	0.18	0.16	0.41	0.00	0.70	0.11	0.83	0.78	0.73	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
2	1	8	0.16	0.63	0.19	0.16	0.49	0.00	0.70	0.10	0.82	0.76	0.72	0.08	0.20	0.38	0.20	0.15	0.00	0.03	0.13
2	1	9	0.03	0.62	0.17	0.15	0.48	0.01	0.80	0.07	0.82	0.84	0.80	0.30	0.44	0.61	0.43	0.49	0.03	0.23	0.30
2	1	10	0.00	0.62	0.14	0.12	0.50	0.01	0.83	0.07	0.87	0.93	0.91	0.49	0.60	0.76	0.59	0.65	0.08	0.17	0.35
2	1	11	0.00	0.60	0.13	0.11	0.54	0.01	0.88	0.08	0.88	0.98	0.98	0.61	0.70	0.82	0.68	0.78	0.09	0.21	0.44
2	1	12	0.00	0.57	0.13	0.11	0.61	0.02	0.87	0.17	0.85	0.99	0.99	0.67	0.74	0.82	0.72	0.87	0.12	0.19	0.39
2	1	13	0.00	0.54	0.12	0.10	0.67	0.07	0.83	0.24	0.82	1.00	1.00	0.68	0.74	0.75	0.73	0.91	0.13	0.21	0.34
2	1	14	0.01	0.52	0.11	0.09	0.67	0.18	0.86	0.27	0.85	1.00	1.00	0.67	0.74	0.73	0.73	0.93	0.15	0.31	0.45
2	1	15	0.05	0.49	0.10	0.08	0.66	0.25	0.86	0.27	0.83	1.00	1.00	0.59	0.68	0.73	0.66	0.88	0.16	0.42	0.38
2	1	16	0.18	0.49	0.10	0.08	0.66	0.31	0.84	0.28	0.76	0.97	0.97	0.45	0.55	0.62	0.54	0.74	0.11	0.28	0.40
2	1	17	0.30	0.50	0.11	0.09	0.67	0.41	0.82	0.25	0.78	0.95	0.94	0.14	0.21	0.21	0.20	0.37	0.04	0.20	0.23
2	1	18	0.39	0.57	0.12	0.10	0.66	0.36	0.74	0.25	0.70	0.98	0.98	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01
2	1	19	0.39	0.71	0.11	0.09	0.61	0.30	0.64	0.27	0.81	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	20	0.36	0.70	0.10	0.08	0.60	0.31	0.55	0.26	0.82	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	21	0.42	0.58	0.09	0.07	0.54	0.24	0.47	0.30	0.62	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	22	0.28	0.54	0.07	0.05	0.50	0.19	0.40	0.35	0.45	0.92	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	23	0.13	0.39	0.06	0.05	0.42	0.16	0.39	0.40	0.29	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	24	0.04	0.17	0.06	0.04	0.34	0.11	0.48	0.40	0.19	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	1	0.00	0.10	0.06	0.04	0.20	0.07	0.62	0.41	0.23	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	2	0.00	0.08	0.06	0.04	0.10	0.03	0.75	0.39	0.21	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	3	0.00	0.09	0.05	0.04	0.09	0.01	0.83	0.35	0.16	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	4	0.00	0.17	0.05	0.04	0.16	0.00	0.91	0.34	0.09	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	5	0.00	0.22	0.05	0.03	0.25	0.00	0.98	0.31	0.06	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	6	0.00	0.26	0.04	0.03	0.39	0.00	1.00	0.32	0.04	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	7	0.00	0.29	0.04	0.02	0.49	0.00	1.00	0.32	0.04	0.32	0.20	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
2	2	8	0.00	0.29	0.05	0.03	0.54	0.01	1.00	0.27	0.02	0.31	0.20	0.09	0.23	0.39	0.22	0.05	0.01	0.04	0.15
2	2	9	0.00	0.28	0.06	0.04	0.49	0.01	1.00	0.20	0.02	0.46	0.35	0.35	0.51	0.65	0.50	0.36	0.19	0.30	0.39
2	2	10	0.00	0.30	0.04	0.03	0.44	0.01	0.99	0.18	0.01	0.57	0.48	0.56	0.70	0.83	0.69	0.67	0.38	0.46	0.55
2	2	11	0.00	0.33	0.02	0.01	0.45	0.01	0.93	0.17	0.01	0.59	0.51	0.71	0.82	0.92	0.81	0.74	0.52	0.55	0.70
2	2	12	0.00	0.35	0.01	0.00	0.50	0.00	0.92	0.16	0.00	0.63	0.55	0.81	0.89	0.93	0.88	0.80	0.63	0.72	0.84
2	2	13	0.00	0.30	0.01	0.00	0.54	0.00	0.90	0.16	0.00	0.65	0.58	0.86	0.94	0.94	0.93	0.87	0.67	0.82	0.89
2	2	14	0.00	0.28	0.01	0.00	0.57	0.00	0.89	0.16	0.00	0.69	0.63	0.82	0.91	0.92	0.89	0.75	0.74	0.81	0.86
2	2	15	0.00	0.26	0.01	0.01	0.60	0.00	0.88	0.18	0.00	0.78	0.73	0.69	0.80	0.87	0.78	0.78	0.72	0.57	0.77
2	2	16	0.00	0.25	0.03	0.02	0.61	0.00	0.85	0.19	0.01	0.77	0.72	0.49	0.61	0.76	0.60	0.61	0.48	0.42	0.69
2	2	17	0.00	0.25	0.05	0.04	0.64	0.00	0.86	0.25	0.04	0.75	0.70	0.15	0.21	0.29	0.21	0.24	0.26	0.17	0.33
2	2	18	0.00	0.26	0.07	0.05	0.68	0.00	0.87	0.28	0.10	0.77	0.72	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.02
2	2	19	0.00	0.30	0.07	0.05	0.72	0.00	0.84	0.24	0.19	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	20	0.00	0.33	0.08	0.06	0.73	0.01	0.83	0.20	0.23	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	21	0.00	0.38	0.10	0.08	0.76	0.05	0.82	0.17	0.24	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	22	0.00	0.40	0.14	0.11	0.80	0.09	0.77	0.17	0.27	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	23	0.00	0.39	0.19	0.16	0.79	0.13	0.75	0.15	0.33	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	24	0.01	0.37	0.25	0.23	0.80	0.18	0.73	0.15	0.39	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	1	0.02	0.37	0.30	0.28	0.81	0.21	0.74	0.15	0.38	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	2	0.03	0.37	0.33	0.30	0.81	0.20	0.73	0.17	0.34	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	3	0.03	0.39	0.35	0.33	0.80	0.18	0.79	0.19	0.32	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	4	0.03	0.44	0.36	0.34	0.80	0.16	0.85	0.19	0.29	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	5	0.04	0.43	0.37	0.35	0.81	0.15	0.87	0.20	0.23	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	6	0.04	0.33	0.38	0.36	0.80	0.15	0.87	0.22	0.18	0.96	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3	7	0.05	0.30	0.38	0.36	0.80	0.16	0.85	0.24	0.16	0.96	0.95	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
2	3	8	0.06	0.30	0.39	0.37	0.79	0.16	0.84	0.22	0.13	0.94	0.92	0.10	0.25	0.48	0.25	0.18	0.04	0.10	0.23
2	3	9	0.04	0.30	0.38	0.36	0.75	0.14	0.79	0.18	0.09	0.81	0.77	0.39	0.58	0.72	0.57	0.58	0.46	0.51	0.58
2	3	10	0.02	0.30	0.34	0.31	0.68	0.09	0.75	0.14	0.08	0.65	0.58	0.62	0.78	0.85	0.76	0.75	0.70	0.70	0.77
2	3	11	0.00	0.31	0.30	0.28	0.63	0.06	0.72	0.11	0.07	0.60	0.52	0.77	0.89	0.91	0.88	0.83	0.82	0.83	0.87
2	3	12	0.00	0.32	0.29	0.27	0.62	0.06	0.68	0.08	0.06	0.58	0.51	0.84	0.94	0.93	0.92	0.76	0.86	0.88	0.92
2	3	13	0.00	0.31	0.26	0.24	0.63	0.06	0.65	0.06	0.05	0.63	0.56	0.85	0.94	0.90	0.92	0.64	0.86	0.90	0.92
2	3	14	0.00	0.31	0.20	0.17	0.64	0.06	0.60	0.05	0.04	0.68	0.61	0.81	0.91	0.90	0.89	0.64	0.81	0.85	0.87
2	3	15	0.00	0.30	0.17	0.15	0.65	0.07	0.56	0.05	0.03	0.68	0.62	0.70	0.80	0.78	0.78	0.50	0.66	0.72	0.81
2	3	16	0.00	0.28	0.17	0.14	0.67	0.13	0.53	0.05	0.04	0.75	0.70	0.51	0.63	0.66	0.62	0.32	0.37	0.56	0.67
2	3	17	0.01	0.26	0.19	0.17	0.73	0.20	0.56	0.08	0.06	0.82	0.78	0.17	0.24	0.23	0.23	0.23	0.15	0.30	0.30
2	3	18	0.02	0.28	0.22	0.20	0.77	0.22	0.58	0.11	0.07	0.79	0.75	0.00	0.01	0.01	0.01	0.01	0.00	0.02	0.01

Month	Day	Hour	Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
1	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	7	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.13	0.21	1.00	1.00	1.00
1	29	8	0.05	0.21	0.34	0.32	0.40	0.40	0.44	0.40	0.42	0.36	0.48	0.58	1.00	1.00	1.00
1	29	9	0.15	0.37	0.55	0.47	0.65	0.64	0.71	0.64	0.74	0.58	0.67	0.81	1.00	1.00	1.00
1	29	10	0.14	0.62	0.77	0.85	0.85	0.89	0.83	0.84	0.84	0.79	0.90	0.85	1.00	1.00	1.00
1	29	11	0.17	0.77	0.90	1.00	0.98	1.00	0.91	0.97	0.90	0.89	0.99	0.88	1.00	1.00	1.00
1	29	12	0.34	0.92	1.00	0.97	1.00	0.99	0.71	1.00	0.91	0.92	0.99	1.00	1.00	1.00	1.00
1	29	13	0.26	0.93	0.99	0.99	1.00	0.86	0.64	1.00	0.90	0.92	0.94	0.93	1.00	1.00	1.00
1	29	14	0.22	0.86	0.89	0.91	0.96	0.73	0.60	0.96	0.82	0.90	0.90	0.79	1.00	1.00	1.00
1	29	15	0.17	0.90	0.79	0.82	0.77	0.60	0.45	0.76	0.83	0.82	0.82	0.67	1.00	1.00	1.00
1	29	16	0.23	0.71	0.62	0.47	0.48	0.43	0.38	0.48	0.72	0.63	0.59	0.53	1.00	1.00	1.00
1	29	17	0.17	0.23	0.21	0.26	0.18	0.09	0.03	0.18	0.28	0.27	0.23	0.06	1.00	1.00	1.00
1	29	18	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
1	29	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	7	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.02	0.18	1.00	1.00	1.00
1	30	8	0.02	0.10	0.13	0.00	0.15	0.32	0.32	0.15	0.38	0.30	0.05	0.44	1.00	1.00	1.00
1	30	9	0.12	0.11	0.23	0.15	0.26	0.56	0.44	0.26	0.53	0.46	0.03	0.40	1.00	1.00	1.00
1	30	10	0.09	0.45	0.29	0.25	0.54	0.75	0.54	0.53	0.48	0.57	0.08	0.38	1.00	1.00	1.00
1	30	11	0.18	0.74	0.41	0.11	0.67	0.78	0.35	0.67	0.41	0.56	0.13	0.35	1.00	1.00	1.00
1	30	12	0.10	0.43	0.59	0.47	0.92	0.68	0.33	0.91	0.48	0.64	0.13	0.26	1.00	1.00	1.00
1	30	13	0.14	0.42	0.69	0.34	0.89	0.53	0.46	0.88	0.32	0.61	0.20	0.17	1.00	1.00	1.00
1	30	14	0.13	0.31	0.55	0.58	0.72	0.38	0.42	0.71	0.35	0.60	0.14	0.20	1.00	1.00	1.00
1	30	15	0.18	0.19	0.43	0.68	0.68	0.43	0.15	0.68	0.27	0.48	0.18	0.14	1.00	1.00	1.00
1	30	16	0.19	0.10	0.29	0.51	0.52	0.39	0.11	0.52	0.23	0.41	0.15	0.12	1.00	1.00	1.00
1	30	17	0.14	0.22	0.10	0.28	0.19	0.06	0.02	0.19	0.08	0.15	0.04	0.01	1.00	1.00	1.00
1	30	18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
1	30	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	30	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	7	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.06	0.28	1.00	1.00	1.00
1	31	8	0.01	0.20	0.46	0.32	0.25	0.25	0.32	0.25	0.04	0.35	0.24	0.59	1.00	1.00	1.00
1	31	9	0.03	0.44	0.72	0.55	0.57	0.61	0.44	0.56	0.22	0.58	0.34	0.73	1.00	1.00	1.00
1	31	10	0.14	0.65	0.72	0.89	0.84	0.52	0.67	0.83	0.35	0.75	0.26	0.86	1.00	1.00	1.00
1	31	11	0.15	0.71	0.91	0.73	1.00	0.49	0.71	1.00	0.36	0.79	0.28	0.86	1.00	1.00	1.00
1	31	12	0.32	0.61	0.90	0.36	0.93	0.49	0.68	0.93	0.50	0.79	0.58	0.84	1.00	1.00	1.00
1	31	13	0.80	0.47	0.75	0.24	0.83	0.95	0.64	0.82	0.58	0.82	0.60	0.65	1.00	1.00	1.00
1	31	14	0.87	0.82	0.78	0.07	0.69	0.99	0.67	0.68	0.56	0.85	0.64	0.65	1.00	1.00	1.00
1	31	15	0.78	0.72	0.66	0.31	0.63	0.78	0.61	0.62	0.63	0.83	0.48	0.50	1.00	1.00	1.00
1	31	16	0.70	0.70	0.59	0.47	0.67	0.74	0.54	0.66	0.59	0.75	0.42	0.40	1.00	1.00	1.00
1	31	17	0.40	0.40	0.17	0.27	0.12	0.19	0.11	0.12	0.24	0.28	0.18	0.05	1.00	1.00	1.00
1	31	18	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
1	31	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
1	31	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.14	1.00	1.00	1.00
2	1	8	0.15	0.23	0.42	0.52	0.50	0.47	0.31	0.49	0.34	0.46	0.33	0.48	1.00	1.00	1.00
2	1	9	0.42	0.47	0.73	0.80	0.77	0.76	0.59	0.77	0.57	0.75	0.50	0.51	1.00	1.00	1.00
2	1	10	0.66	0.91	0.82	0.96	0.94	0.94	0.71	0.93	0.67	0.90	0.71	0.60	1.00	1.00	1.00
2	1	11	0.72	1.00	0.99	1.00	1.00	1.00	0.68	1.00	0.65	0.94	0.83	0.67	1.00	1.00	1.00
2	1	12	0.82	1.00	1.00	1.00	1.00	1.00	0.76	1.00	0.60	0.96	0.80	0.68	1.00	1.00	1.00
2	1	13	0.90	0.95	0.94	1.00	1.00	1.00	0.79	1.00	0.52	0.98	0.76	0.61	1.00	1.00	1.00
2	1	14	0.82	0.86	0.99	1.00	1.00	1.00	0.76	1.00	0.50	0.94	0.68	0.50	1.00	1.00	1.00
2	1	15	0.89	0.63	0.85	0.97	0.97	0.96	0.68	0.96	0.62	0.89	0.75	0.46	1.00	1.00	1.00
2	1	16	0.79	0.63	0.69	0.83	0.83	0.81	0.48	0.82	0.52	0.75	0.61	0.47	1.00	1.00	1.00
2	1	17	0.47	0.41	0.34	0.17	0.19	0.11	0.06	0.19	0.23	0.27	0.28	0.06	1.00	1.00	1.00
2	1	18	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
2	1	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	7	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.20	0.14	1.00	1.00	1.00
2	2	8	0.21	0.35	0.49	0.53	0.51	0.49	0.47	0.50	0.38	0.44	0.61	0.35	1.00	1.00	1.00
2	2	9	0.56	0.74	0.77	0.80	0.80	0.79	0.76	0.79	0.57	0.71	0.85	0.60	1.00	1.00	1.00
2	2	10	0.81	0.80	0.91	0.96	0.95	0.94	0.94	0.94	0.62	0.87	0.98	0.79	1.00	1.00	1.00
2	2	11	0.93	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.97	1.00	0.85	1.00	1.00	1.00
2	2	12	0.98	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.98	1.00	0.90	1.00	1.00	1.00
2	2	13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.64	0.98	1.00	0.92	1.00	1.00	1.00
2	2	14	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.71	0.95	1.00	0.91	1.00	1.00	1.00
2	2	15	0.70	1.00	0.97	0.96	0.90	0.89	0.94	0.89	0.73	0.89	0.96	0.85	1.00	1.00	1.00
2	2	16	0.53	0.86	0.73	0.65	0.73	0.78	0.76	0.73	0.72	0.75	0.79	0.67	1.00	1.00	1.00
2	2	17	0.25	0.46	0.45	0.01	0.12	0.17	0.23	0.12	0.31	0.31	0.37	0.14	1.00	1.00	1.00
2	2	18	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.03	0.02	0.00	0.00	1.00	1.00	1.00
2	2	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	7	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.19	0.28	1.00	1.00	1.00
2	3	8	0.25	0.41	0.50	0.53	0.50	0.48	0.47	0.49	0.37	0.46	0.61	0.71	1.00	1.00	1.00
2	3	9	0.63	0.76	0.80	0.81	0.78	0.76	0.75	0.77	0.57	0.73	0.85	0.89	1.00	1.00	1.00
2	3	10	0.82	0.94	0.96	0.95	0.93	0.93	0.87	0.92	0.67	0.83	0.98	0.95	1.00	1.00	1.00
2	3	11	0.94	1.00	1.00	1.00	1.00	1.00	0.93	1.00	0.69	0.93	1.00	0.99	1.00	1.00	1.00
2	3	12	0.98	1.00	1.00	1.00	1.00	1.00	0.93	1.00	0.68	0.95	1.00	1.00	1.00	1.00	1.00
2	3	13	1.00	1.00	1.00	1.00	1.00	1.00	0.96	1.00	0.67	0.93	1.00	1.00	1.00	1.00	1.00
2	3	14	0.98	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.73	0.91	1.00	1.00	1.00	1.00	1.00
2	3	15	0.91	0.97	0.96	0.95	0.95	0.95	0.88	0.94	0.53	0.83	0.94	0.91	1.00	1.00	1.00
2	3	16	0.78	0.85	0.82	0.81	0.80	0.78	0.72	0.79	0.52	0.74	0.75	0.70	1.00	1.00	1.00
2	3	17	0.45	0.40	0.35	0.16	0.37	0.09	0.21	0.37	0.22	0.33	0.37	0.15	1.00	1.00	1.00
2	3	18	0.06	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																						Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
2	3	19	0.02	0.73	0.05	0.03	0.00	0.05	0.09	0.00	0.07	0.01	0.06	0.21	0.02	0.28	0.26	0.23	0.78	0.20	0.58	0.11	0.09	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	20	0.02	0.59	0.07	0.04	0.00	0.04	0.13	0.00	0.07	0.01	0.07	0.21	0.03	0.28	0.28	0.26	0.81	0.21	0.61	0.09	0.10	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	21	0.01	0.57	0.08	0.06	0.00	0.05	0.13	0.00	0.07	0.00	0.07	0.23	0.02	0.30	0.28	0.26	0.81	0.19	0.67	0.07	0.08	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	22	0.01	0.61	0.09	0.09	0.00	0.10	0.12	0.00	0.06	0.00	0.06	0.25	0.02	0.32	0.26	0.24	0.80	0.17	0.72	0.06	0.08	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	23	0.00	0.66	0.12	0.11	0.00	0.10	0.09	0.00	0.05	0.00	0.06	0.27	0.00	0.34	0.25	0.23	0.82	0.11	0.78	0.07	0.11	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	3	24	0.00	0.72	0.15	0.14	0.00	0.09	0.06	0.00	0.03	0.00	0.07	0.27	0.00	0.34	0.26	0.24	0.81	0.08	0.85	0.07	0.16	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	1	0.00	0.74	0.19	0.17	0.00	0.09	0.04	0.00	0.03	0.00	0.09	0.28	0.00	0.35	0.27	0.24	0.80	0.05	0.90	0.07	0.19	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	2	0.00	0.75	0.23	0.19	0.00	0.08	0.01	0.00	0.02	0.00	0.13	0.29	0.00	0.36	0.27	0.25	0.76	0.03	0.92	0.09	0.19	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	3	0.00	0.75	0.26	0.19	0.00	0.08	0.00	0.00	0.01	0.00	0.19	0.29	0.00	0.36	0.25	0.23	0.73	0.02	0.93	0.15	0.16	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	4	0.00	0.75	0.26	0.18	0.00	0.08	0.00	0.01	0.01	0.00	0.27	0.28	0.00	0.35	0.22	0.20	0.73	0.01	0.93	0.22	0.09	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	5	0.00	0.72	0.25	0.18	0.00	0.09	0.00	0.05	0.02	0.00	0.35	0.27	0.00	0.33	0.18	0.16	0.70	0.00	0.92	0.27	0.04	0.72	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	6	0.00	0.69	0.24	0.19	0.00	0.09	0.00	0.09	0.04	0.00	0.40	0.27	0.00	0.34	0.14	0.12	0.67	0.00	0.89	0.33	0.04	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	7	0.00	0.63	0.23	0.20	0.00	0.08	0.00	0.12	0.05	0.00	0.42	0.26	0.00	0.33	0.12	0.10	0.64	0.01	0.86	0.37	0.04	0.63	0.55	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.19	0.32	1.00	1.00	1.00
2	4	8	0.00	0.55	0.23	0.20	0.00	0.06	0.00	0.09	0.04	0.00	0.42	0.28	0.00	0.35	0.11	0.09	0.59	0.01	0.85	0.36	0.03	0.55	0.47	0.10	0.24	0.50	0.24	0.15	0.01	0.04	0.23	0.22	0.42	0.50	0.53	0.50	0.49	0.47	0.49	0.40	0.48	0.61	0.76	1.00	1.00	1.00
2	4	9	0.00	0.49	0.21	0.17	0.00	0.03	0.00	0.06	0.03	0.00	0.39	0.29	0.00	0.36	0.09	0.07	0.50	0.01	0.83	0.30	0.02	0.49	0.40	0.38	0.56	0.76	0.55	0.58	0.34	0.39	0.57	0.58	0.77	0.79	0.80	0.77	0.75	0.76	0.77	0.62	0.75	0.83	0.94	1.00	1.00	1.00
2	4	10	0.00	0.45	0.20	0.13	0.00	0.02	0.00	0.03	0.02	0.00	0.35	0.30	0.00	0.37	0.08	0.06	0.39	0.01	0.82	0.22	0.01	0.45	0.35	0.61	0.76	0.88	0.74	0.77	0.60	0.62	0.75	0.77	0.94	0.95	0.94	0.92	0.93	0.90	0.91	0.69	0.84	0.97	1.00	1.00	1.00	1.00
2	4	11	0.00	0.40	0.20	0.10	0.00	0.00	0.00	0.02	0.02	0.00	0.32	0.27	0.00	0.34	0.08	0.06	0.31	0.01	0.81	0.17	0.00	0.40	0.30	0.76	0.88	0.95	0.87	0.91	0.75	0.75	0.84	0.88	1.00	1.00	1.00	1.00	1.00	0.96	1.00	0.80	0.91	1.00	1.00	1.00	1.00	1.00
2	4	12	0.00	0.35	0.20	0.10	0.00	0.00	0.00	0.02	0.03	0.00	0.28	0.24	0.00	0.31	0.08	0.06	0.25	0.02	0.83	0.15	0.00	0.35	0.25	0.83	0.93	0.94	0.91	0.92	0.82	0.78	0.87	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.78	0.92	1.00	1.00	1.00	1.00	1.00
2	4	13	0.00	0.32	0.19	0.10	0.00	0.00	0.00	0.02	0.06	0.00	0.23	0.22	0.01	0.29	0.08	0.06	0.23	0.03	0.84	0.13	0.00	0.32	0.21	0.86	0.95	0.94	0.93	0.94	0.80	0.85	0.89	0.95	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.79	0.92	1.00	1.00	1.00	1.00	1.00
2	4	14	0.02	0.31	0.18	0.11	0.00	0.00	0.00	0.02	0.08	0.01	0.20	0.22	0.03	0.29	0.08	0.06	0.21	0.05	0.87	0.13	0.00	0.31	0.20	0.82	0.91	0.95	0.89	0.94	0.79	0.80	0.82	0.92	1.00	1.00	1.00	1.00	0.98	0.98	1.00	0.81	0.94	0.99	1.00	1.00	1.00	1.00
2	4	15	0.04	0.34	0.18	0.10	0.00	0.00	0.00	0.02	0.10	0.03	0.19	0.22	0.05	0.29	0.09	0.07	0.20	0.06	0.87	0.13	0.00	0.34	0.23	0.72	0.83	0.90	0.81	0.85	0.72	0.72	0.78	0.83	0.98	0.95	0.92	0.94	0.93	0.91	0.93	0.78	0.90	0.93	0.94	1.00	1.00	1.00
2	4	16	0.05	0.42	0.21	0.11	0.00	0.00	0.00	0.01	0.11	0.05	0.18	0.21	0.06	0.28	0.11	0.09	0.25	0.06	0.85	0.14	0.00	0.42	0.32	0.53	0.65	0.73	0.64	0.63	0.56	0.60	0.63	0.61	0.78	0.83	0.80	0.79	0.77	0.73	0.79	0.70	0.79	0.76	0.66	1.00	1.00	1.00
2	4	17	0.05	0.58	0.27	0.13	0.00	0.00	0.00	0.02	0.11	0.04	0.21	0.21	0.06	0.28	0.13	0.10	0.27	0.07	0.83	0.22	0.00	0.58	0.49	0.20	0.29	0.27	0.28	0.40	0.35	0.32	0.35	0.30	0.52	0.41	0.16	0.13	0.27	0.40	0.12	0.32	0.38	0.37	0.16	1.00	1.00	1.00
2	4	18	0.06	0.68	0.32	0.15	0.00	0.00	0.00	0.03	0.11	0.05	0.30	0.21	0.07	0.29	0.13	0.11	0.23	0.09	0.83	0.31	0.01	0.68	0.62	0.00	0.01	0.01	0.01	0.03	0.02	0.02	0.02	0.04	0.04	0.02	0.00	0.00	0.01	0.01	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
2	4	19	0.13	0.78	0.34	0.14	0.00	0.00	0.00	0.07	0.19	0.12	0.38	0.21	0.14	0.28	0.14	0.12	0.18	0.11	0.86	0.36	0.02	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	20	0.12	0.82	0.33	0.13	0.00	0.00	0.00	0.13	0.17	0.11	0.47	0.21	0.13	0.28	0.17	0.15	0.15	0.10	0.88	0.37	0.03	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	21	0.10	0.82	0.29	0.14	0.00	0.00	0.00	0.14	0.16	0.09	0.49	0.25	0.11	0.32	0.19	0.17	0.14	0.09	0.88	0.38	0.03	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	22	0.08	0.78	0.26	0.14	0.00	0.00	0.00	0.12	0.14	0.07	0.56	0.32	0.09	0.39	0.20	0.17	0.14	0.08	0.87	0.39	0.04	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	23	0.10	0.71	0.22	0.15	0.00	0.00	0.00	0.10	0.16	0.09	0.57	0.34	0.11	0.40	0.21	0.18	0.16	0.06	0.86	0.41	0.07	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	4	24	0.09	0.51	0.19	0.16	0.00	0.00	0.00	0.10	0.15	0.08	0.59	0.35	0.10	0.41	0.23	0.20	0.20	0.04	0.86	0.40	0.09	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	1	0.08	0.27	0.18	0.17	0.00	0.00	0.00	0.12	0.13	0.07	0.61	0.37	0.09	0.43	0.24	0.21	0.26	0.05	0.87	0.38	0.12	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	2	0.10	0.18	0.18	0.19	0.00	0.00	0.00	0.14	0.16	0.09	0.65	0.37	0.11	0.44	0.24	0.22	0.29	0.05	0.88	0.40	0.15	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	3	0.08	0.15	0.17	0.20	0.00	0.00	0.00	0.14	0.14	0.07	0.61	0.35	0.09	0.41	0.24	0.22	0.29	0.04	0.89	0.38	0.16	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	4	0.10	0.17	0.17	0.20	0.00	0.00	0.00	0.15	0.16	0.09	0.56	0.36	0.11	0.42	0.22	0.20	0.31	0.06	0.88	0.37	0.17	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	5	0.14	0.18	0.18	0.21	0.00	0.00	0.00	0.14	0.20	0.13	0.52	0.36	0.15	0.43	0.20	0.18	0.33	0.09	0.87	0.39	0.17	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	6	0.11	0.18	0.18	0.21	0.00	0.00	0.00	0.12	0.17	0.11	0.53	0.36	0.12	0.42	0.19	0.17	0.36	0.12	0.85	0.40	0.15	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	7	0.07	0.17	0.19	0.21	0.00	0.00	0.00	0.11	0.12	0.06	0.58	0.35	0.08	0.41	0.17	0.15	0.37	0.11	0.84	0.41	0.13	0.17	0.06	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.22	0.36	1.00	1.00	1.00
2	5	8	0.05	0.14	0.19	0.23	0.00	0.00	0.00	0.10	0.11	0.04	0.55	0.35	0.06	0.41	0.17	0.15	0.36	0.06	0.86	0.37	0.12	0.14	0.04	0.08	0.20	0.49	0.20	0.05	0.02	0.02	0.10	0.17	0.27	0.42	0.50	0.45	0.46	0.45	0.45	0.45	0.45	0.60	0.75	1.00	1.00	1.00
2	5	9	0.07	0.07	0.18	0.21	0.00	0.00	0.00	0.07	0.13	0.06	0.43	0.34	0.08	0.41	0.17	0.15	0.35	0.03	0.87	0.32	0.10	0.07	0.00	0.31	0.45	0.74	0.44	0.22	0.25	0.24	0.35	0.46	0.54	0.67	0.77	0.75	0.74	0.70	0.74	0.67	0.69	0.83	0.93	1.00	1.00	1.00
2	5	10	0.06	0.04	0.16	0.14	0.00	0.00	0.00	0.05	0.12	0.05	0.31	0.32	0.07	0.39	0.16	0.13	0.31	0.02	0.87	0.29	0.10	0.04	0.00	0.52	0.65	0.87	0.63	0.37	0.46	0.47	0.57	0.68	0.79	0.83	0.94	0.88	0.88	0.87	0.88	0.80	0.82	0.95	1.00	1.00	1.00	1.00
2	5	11	0.03	0.03	0.15	0.11	0.00	0.00	0.00	0.06	0.08	0.02	0.24	0.28	0.04	0.35	0.13	0.11	0.26	0.02	0.86	0.27	0.08	0.03	0.00	0.66	0.76	0.95	0.75	0.42	0.61	0.62	0.67	0.76	0.95	0.97	1.00	0.98	0.87	0.95	0.97	0.85	0.89	0.99	1.00	1.00	1.00	1.00
2	5	12	0.04	0.02	0.16	0.10	0.00	0.00	0.00	0.07	0.09	0.03	0.15	0.25	0.05	0.32	0.10	0.08	0.19	0.01	0.85	0.25	0.07	0.02	0.00	0.71	0.80	0.97	0.78	0.44	0.57	0.64	0.68	0.71	0.99	1.00	1.00	1.00	0.95	1.00	1.00	0.87	0.93	1.00	1.00	1.00	1.00	1.00
2	5	13	0.05	0.02	0.16	0.10	0.00	0.00	0.00	0.09	0.10	0.04	0.07	0.25	0.06	0.32	0.10	0.08	0.15	0.01	0.85	0.23	0.07	0.02	0.00	0.74	0.82	0.98	0.81	0.49	0.67	0.65	0.71	0.75	1.00	1.00	0.97	1.00	0.95	1.00	1.00	0.85	0.92	1.00	1.00	1.00	1.00	1.00
2	5	14	0.05	0.02	0.16	0.10	0.00	0.00	0.00	0.10	0.10	0.04	0.05	0.23	0.06	0.30	0.10	0.08	0.15	0.01	0.85	0.18	0.09	0.02	0.00	0.68	0.76	0.90	0.74	0.41	0.57	0.60	0.68	0.72	0.99	0.99	0.83	0.98	0.91	0.97	0.97	0.84	0.88	0.98	0.99	1.00	1.00	1.00
2	5	15	0.04	0.02	0.17	0.09	0.00	0.01	0.00	0.08	0.10	0.03	0.04	0.20	0.05	0.27	0.10	0.08	0.16	0.00	0.83	0.15	0.06	0.02	0.00	0.53	0.61	0.80	0.60	0.32	0.39	0.32	0.54	0.56	0.89	0.85	0.70	0.86	0.78	0.86	0.85	0.82	0.78	0.90	0.90	1.00	1.00	1.00
2	5	16	0.03	0.03	0.18	0.08	0.00	0.00	0.00	0.04	0.08	0.02	0.02	0.17	0.04	0.25	0.11	0.09	0.22	0.00	0.82	0.12	0.05	0.03	0.00	0.38	0.46	0.67	0.45	0.28	0.25	0.27	0.42	0.23	0.76	0.69	0.58	0.66	0.66	0.72	0.66	0.68	0.66	0.76	0.69	1.00	1.00	1.00
2	5	17	0.01	0.05	0.18	0.09	0.00	0.00	0.01	0.01	0.06	0.00	0.00	0.18	0.02	0.26	0.11	0.09	0.27	0.00	0.83	0.15	0.06	0.05	0.00	0.14	0.20	0.28	0.20	0.16	0.09	0.12	0.22	0.13	0.49	0.36	0.15	0.18	0.27	0.37	0.18	0.31	0.33	0.38	0.17	1.00	1.00	1.00
2	5	18	0.00	0.08	0.18	0.09	0.00	0.00	0.01	0.01	0.04	0.00	0.00	0.16	0.00	0.23	0.10	0.08	0.30	0.00	0.85	0.20	0.06	0.08	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.04	0.01	0.00	0.00	0.01	0.01	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
2	5	19	0.00	0.15	0.19	0.08	0.06	0.00	0.03	0.02	0.01	0.00	0.00	0.14	0.00	0.22	0.09	0.07	0.31	0.00	0.85	0.25	0.08	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	20	0.00	0.24	0.17	0.11	0.29	0.00	0.05	0.02	0.00	0.00	0.00	0.13	0.00	0.20	0.09	0.07	0.30	0.00	0.86	0.22	0.08	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	21	0.00	0.34	0.13	0.14	0.37	0.04	0.10	0.00	0.00	0.00	0.00	0.09	0.00	0.16	0.09	0.07	0.31	0.00	0.86	0.18	0.07	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	22	0.00	0.45	0.11	0.15	0.39	0.20	0.13	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.10	0.08	0.35	0.00	0.87	0.11	0.07	0.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	23	0.00	0.53	0.10	0.16	0.38	0.33	0.17	0.00	0.00	0.00	0.00	0.05	0.00	0.12	0.11	0.09	0.36	0.01	0.87	0.04	0.07	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	5	24	0.00	0.63	0.06	0.19	0.36	0.32	0.17	0.00	0.00	0.00	0.00	0.05	0.00	0.12	0.12	0.10	0.35	0.03	0.86	0.03	0.08	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	1	0.00	0.74	0.07	0.23	0.31	0.29	0.14	0.00	0.00	0.00	0.00	0.08	0.00	0.16	0.17	0.14	0.35	0.05	0.85	0.04	0.07	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	2	0.00	0.86	0.08	0.26	0.28	0.23	0.11	0.00	0.02	0.00	0.00	0.12	0.00	0.19	0.19	0.17	0.39	0.08	0.84	0.04	0.06	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	3	0.00	0.94	0.09	0.23	0.27	0.14	0.10	0.00	0.06	0.00	0.00	0.12	0.01	0.20	0.19	0.16	0.44	0.13	0.83	0.04	0.05	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	4	0.04	0.96	0.08	0.23	0.24	0.16	0.09	0.00	0.10	0.03	0.00	0.07	0.05	0.14	0.17	0.15	0.48	0.18	0.82	0.03	0.02	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	5	0.03	0.97	0.03	0.22	0.17	0.22	0.07	0.00	0.09	0.02	0.00	0.06	0.04	0.13	0.15	0.13	0.51	0.21	0.81	0.02	0.01	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	6	0.04	0.98	0.00	0.20	0.08	0.30	0.06	0.00	0.09	0.03	0.00	0.08	0.05	0.15	0.16	0.14	0.58	0.23	0.80	0.01	0.01	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	7	0.07	0.98	0.00	0.20	0.02	0.50	0.07	0.00	0.13	0.06	0.00	0.08	0.08	0.15	0.15	0.13	0.64	0.24	0.77	0.01	0.01	0.98	0.98	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.02	0.01	0.14	0.28	1.00	1.00	1.00
2	6	8	0.10	0.98	0.00	0.18	0.00	0.56	0.07	0.00	0.16	0.09	0.00	0.08	0.11	0.16	0.15	0.13	0.63	0.24	0.74	0.01	0.01	0.98	0.97	0.05	0.15	0.39	0.15	0.13	0.06	0.05	0.23	0.15	0.40	0.43	0.25	0.20	0.21	0.20	0.20	0.28	0.33	0.50	0.74	1.00	1.00	1.00
2	6	9	0.06	0.97	0.00	0.15	0.00	0.28	0.07	0.00	0.12	0.05	0.00	0.06	0.07	0.14	0.16	0.14	0.49	0.20	0.71	0.01	0.00	0.97	0.96	0.30	0.45	0.57	0.44	0.43	0.48	0.20	0.51	0.52	0.74	0.77	0.62	0.54	0.45	0.44	0.53	0.42	0.59	0.73	0.92	1.00	1.00	1.00
2	6	10	0.03	0.96	0.00	0.13	0.00	0.06	0.05	0.00	0.08	0.02	0.00	0.02	0.04	0.08	0.16	0.14	0.38	0.19	0.66	0.01	0.00	0.96	0.96	0.51	0.64	0.72	0.63	0.63	0.51	0.59	0.63	0.76	0.89	0.93	0.67	0.74	0.69	0.63	0.74	0.65	0.72	0.87	1.00	1.00	1.00	1.00
2	6	11	0.03	0.96	0.00	0.14	0.00	0.05	0.04	0.00	0.08	0.02	0.00	0.00	0.04	0.04	0.18	0.15	0.35	0.23	0.69	0.01	0.00	0.96	0.95	0.68	0.79	0.79	0.77	0.70	0.74	0.64	0.72	0.85	1.00	1.00	0.86	0.90	0.88	0.80	0.90	0.73	0.80	0.93	1.00	1.00	1.00	1.00
2	6	12	0.05	0.95	0.00	0.17	0.00	0.03	0.04	0.00	0.11	0.04	0.00	0.00	0.06	0.02	0.24	0.22	0.39	0.28	0.66	0.02	0.00	0.95	0.93	0.74	0.83	0.86	0.81	0.78	0.82	0.57	0.75	0.81	1.00	1.00	0.86	0.99	0.90	0.89	0.98	0.86	0.83	0.94	1.00	1.00	1.00	1.00
2	6	13	0.08	0.93	0.00	0.20	0.00	0.03	0.04	0.00	0.14	0.07	0.00	0.00	0.09	0.01	0.25	0.23	0.38	0.34	0.61	0.04	0.00	0.93	0.91	0.76	0.84	0.86	0.82	0.74	0.81	0.56	0.73	0.83	1.00	1.00	1.00	0.96	0.94	0.90	0.95	0.87	0.84	0.96	1.00	1.00	1.00	1.00
2	6	14	0.10	0.91	0.00	0.20	0.00	0.02	0.03	0.00	0.15	0.09	0.00	0.00	0.11	0.02	0.25	0.23	0.33	0.39	0.56	0.05	0.00	0.91	0.89	0.71	0.79	0.91	0.77	0.81	0.74	0.49	0.64	0.78	0.94	1.00	0.95	0.84	0.84	0.89	0.83	0.93	0.73	0.91	0.97	1.00	1.00	1.00
2	6	15	0.10	0.91	0.00	0.18	0.00	0.01	0.03	0.00	0.16	0.09	0.00	0.00	0.11	0.02	0.24	0.22	0.27	0.42	0.51	0.07	0.00	0.91	0.89	0.56	0.64	0.80	0.63	0.65	0.61	0.40	0.57	0.60	0.56	0.87	0.83	0.74	0.75	0.82	0.74	0.84	0.62	0.76	0.83	1.00	1.00	1.00
2	6	16	0.12	0.94	0.00	0.16	0.00	0.02	0.02	0.03	0.18	0.11	0.00	0.00	0.13	0.03	0.20	0.17	0.24	0.49	0.41	0.08	0.01	0.94	0.93	0.41	0.51	0.68	0.50	0.56	0.43	0.34	0.46	0.49	0.61	0.67	0.69	0.60	0.60	0.61	0.60	0.73	0.54	0.61	0.64	1.00	1.00	1.00
2	6	17	0.09	0.97	0.00	0.15	0.00	0.03	0.02	0.07	0.15	0.08	0.00	0.00	0.10	0.03	0.16	0.14	0.25	0.54	0.34	0.12	0.03	0.97	0.96	0.18	0.26	0.28	0.25	0.37	0.24	0.26	0.25	0.31	0.15	0.39	0.42	0.30	0.21	0.29	0.30	0.36	0.30	0.27	0.16	1.00	1.00	1.00
2	6	18	0.08	0.97	0.00	0.22	0.00	0.03	0.03	0.12	0.14	0.07	0.00	0.00	0.09	0.03	0.17	0.15	0.24	0.56	0.32	0.11	0.08	0.97	0.96	0.00	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.05	0.01	0.00	0.00	1.00	1.00	1.00
2	6	19	0.12	0.97	0.00	0.21	0.00	0.03	0.04	0.09	0.18	0.11	0.00	0.00	0.13	0.06	0.17	0.14	0.22	0.58	0.32	0.09	0.10	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	20	0.14	0.97	0.00	0.21	0.00	0.04	0.05	0.06	0.20	0.13	0.04	0.08	0.15	0.15	0.16	0.14	0.20	0.60	0.32	0.08	0.13	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	21	0.16	0.97	0.00	0.22	0.00	0.09	0.06	0.05	0.22	0.15	0.06	0.14	0.17	0.21	0.16	0.14	0.19	0.63	0.32	0.09	0.18	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	22	0.16	0.97	0.00	0.19	0.00	0.11	0.06	0.06	0.22	0.15	0.05	0.16	0.17	0.24	0.15	0.13	0.17	0.63	0.33	0.09	0.18	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	23	0.15	0.97	0.00	0.14	0.00	0.11	0.05	0.06	0.21	0.14	0.05	0.19	0.16	0.26	0.15	0.13	0.18	0.62	0.36	0.11	0.16	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	6	24	0.14	0.96	0.00	0.19	0.00	0.11	0.03	0.06	0.20	0.13	0.05	0.23	0.15	0.31	0.17	0.15	0.17	0.62	0.38	0.12	0.18	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	1	0.12	0.96	0.00	0.20	0.00	0.18	0.02	0.07	0.18	0.11	0.07	0.25	0.13	0.32	0.21	0.19	0.15	0.64	0.40	0.12	0.23	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	2	0.08	0.95	0.00	0.22	0.00	0.09	0.00	0.07	0.14	0.07	0.09	0.25	0.09	0.32	0.22	0.20	0.09	0.63	0.45	0.13	0.25	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	3	0.09	0.94	0.00	0.26	0.00	0.05	0.00	0.06	0.15	0.08	0.12	0.19	0.10	0.26	0.23	0.20	0.05	0.59	0.50	0.16	0.24	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	4	0.14	0.92	0.00	0.28	0.00	0.02	0.00	0.05	0.20	0.13	0.14	0.14	0.15	0.21	0.23	0.20	0.02	0.56	0.58	0.19	0.22	0.92	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	5	0.15	0.93	0.00	0.28	0.00	0.01	0.00	0.06	0.21	0.14	0.14	0.11	0.16	0.18	0.22	0.20	0.01	0.56	0.64	0.21	0.18	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	6	0.11	0.94	0.00	0.28	0.00	0.00	0.00	0.06	0.17	0.10	0.11	0.09	0.12	0.16	0.24	0.22	0.01	0.53	0.63	0.23	0.17	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	7	0.09	0.93	0.01	0.32	0.00	0.00	0.00	0.07	0.14	0.08	0.07	0.08	0.10	0.16	0.25	0.23	0.01	0.50	0.60	0.24	0.15	0.93	0.92	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.02	0.00	0.17	0.30	1.00	1.00	1.00
2	7	8	0.09	0.90	0.01	0.34	0.00	0.00	0.00	0.05	0.15	0.08	0.06	0.05	0.10	0.12	0.29	0.27	0.02	0.46	0.55	0.25	0.12	0.91	0.88	0.04	0.11	0.32	0.10	0.01	0.00	0.00	0.05	0.07	0.08	0.17	0.35	0.29	0.24	0.26	0.28	0.28	0.15	0.51	0.76	1.00	1.00	1.00
2	7	9	0.07	0.84	0.03	0.34	0.00	0.02	0.00	0.03	0.12	0.06	0.03	0.01	0.07	0.07	0.30	0.27	0.01	0.37	0.54	0.24	0.05	0.84	0.81	0.18	0.25	0.48	0.25	0.06	0.07	0.06	0.11	0.17	0.14	0.23	0.66	0.46	0.61	0.63	0.46	0.52	0.31	0.70	0.91	1.00	1.00	1.00
2	7	10	0.05	0.83	0.01	0.31	0.00	0.03	0.00	0.02	0.11	0.04	0.03	0.00	0.06	0.03	0.28	0.26	0.01	0.32	0.56	0.22	0.03	0.83	0.79	0.31	0.38	0.59	0.37	0.07	0.08	0.13	0.26	0.31	0.46	0.37	0.67	0.55	0.80	0.86	0.55	0.58	0.49	0.83	1.00	1.00	1.00	1.00
2	7	11	0.10	0.84	0.00	0.30	0.00	0.02	0.00	0.07	0.16	0.09	0.03	0.00	0.11	0.02	0.28	0.25	0.02	0.31	0.57	0.22	0.03	0.84	0.80	0.40	0.46	0.73	0.45	0.02	0.12	0.09	0.27	0.25	0.73	0.74	0.63	0.68	0.95	0.90	0.68	0.64	0.61	0.91	1.00	1.00	1.00	1.00
2	7	12	0.18	0.82	0.00	0.35	0.00	0.02	0.00	0.13	0.24	0.17	0.03	0.00	0.19	0.04	0.30	0.28	0.03	0.36	0.53	0.27	0.04	0.82	0.79	0.43	0.48	0.77	0.47	0.05	0.22	0.12	0.27	0.22	0.54	0.82	0.76	0.72	0.92	0.88	0.72	0.64	0.69	0.92	1.00	1.00	1.00	1.00
2	7	13	0.28	0.85	0.00	0.37	0.00	0.01	0.00	0.17	0.34	0.27	0.04	0.00	0.29	0.06	0.32	0.30	0.04	0.54	0.48	0.35	0.05	0.85	0.81	0.41	0.46	0.77	0.45	0.04	0.22	0.18	0.20	0.17	0.15	0.67	0.89	0.78	0.95	0.91	0.78	0.63	0.66	0.95	1.00	1.00	1.00	1.00
2	7	14	0.33	0.86	0.00	0.41	0.01	0.01	0.00	0.20	0.39	0.33	0.05	0.01	0.34	0.08	0.31	0.29	0.05	0.67	0.41	0.47	0.07	0.86	0.83	0.34	0.38	0.66	0.37	0.03	0.17	0.16	0.14	0.12	0.19	0.56	0.52	0.85	0.75	0.82	0.84	0.71	0.55	0.89	0.98	1.00	1.00	1.00
2	7	15	0.30	0.85	0.00	0.45	0.05	0.04	0.00	0.24	0.35	0.29	0.11	0.02	0.31	0.08	0.28	0.25	0.06	0.68	0.29	0.50	0.08	0.85	0.82	0.29	0.34	0.59	0.33	0.03	0.11	0.07	0.09	0.06	0.37	0.38	0.76	0.65	0.65	0.75	0.64	0.75	0.43	0.73	0.90	1.00	1.00	1.00
2	7	16	0.31	0.86	0.00	0.51	0.13	0.04	0.00	0.28	0.36	0.30	0.21	0.03	0.31	0.10	0.24	0.22	0.05	0.61	0.22	0.51	0.08	0.86	0.83	0.23	0.28	0.43	0.27	0.04	0.12	0.06	0.12	0.10	0.43	0.33	0.63	0.45	0.58	0.50	0.44	0.56	0.27	0.58	0.69	1.00	1.00	1.00
2	7	17	0.42	0.87	0.00	0.57	0.34	0.04	0.00	0.30	0.47	0.42	0.26	0.06	0.43	0.13	0.24	0.21	0.06	0.63	0.16	0.46	0.11	0.87	0.84	0.12	0.18	0.22	0.18	0.07	0.20	0.11	0.10	0.05	0.38	0.29	0.48	0.11	0.24	0.27	0.11	0.30	0.16	0.23	0.20	1.00	1.00	1.00
2	7	18	0.48	0.82	0.00	0.66	0.51	0.02	0.00	0.35	0.52	0.48	0.34	0.09	0.49	0.17	0.26	0.23	0.06	0.65	0.11	0.49	0.18	0.82	0.79	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.03	0.01	0.01	0.00	0.01	0.01	0.00	0.04	0.00	0.00	0.00	1.00	1.00	1.00
2	7	19	0.61	0.80	0.00	0.69	0.55	0.14	0.00	0.39	0.65	0.61	0.46	0.06	0.62	0.13	0.28	0.26	0.07	0.64	0.09	0.52	0.26	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	20	0.60	0.76	0.00	0.65	0.49	0.11	0.00	0.40	0.63	0.59	0.49	0.09	0.60	0.16	0.31	0.29	0.11	0.60	0.07	0.47	0.33	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	21	0.57	0.67	0.00	0.63	0.32	0.11	0.00	0.41	0.61	0.56	0.51	0.20	0.58	0.27	0.36	0.34	0.19	0.56	0.06	0.37	0.39	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	22	0.48	0.56	0.00	0.65	0.12	0.09	0.00	0.40	0.52	0.47	0.58	0.31	0.48	0.39	0.37	0.35	0.37	0.54	0.05	0.31	0.41	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	23	0.26	0.48	0.00	0.66	0.02	0.17	0.00	0.30	0.31	0.25	0.61	0.27	0.26	0.34	0.38	0.36	0.51	0.58	0.06	0.26	0.38	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	7	24	0.18	0.37	0.00	0.62	0.00	0.29	0.00	0.16	0.24	0.17	0.59	0.25	0.19	0.32	0.38	0.36	0.60	0.61	0.06	0.24	0.36	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	1	0.22	0.29	0.00	0.54	0.00	0.29	0.00	0.08	0.28	0.21	0.50	0.23	0.23	0.30	0.34	0.32	0.68	0.58	0.06	0.26	0.36	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	2	0.33	0.34	0.00	0.44	0.00	0.24	0.00	0.06	0.39	0.32	0.39	0.23	0.34	0.30	0.35	0.32	0.65	0.58	0.07	0.28	0.38	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	3	0.28	0.48	0.00	0.35	0.00	0.12	0.00	0.05	0.34	0.27	0.24	0.26	0.29	0.33	0.35	0.33	0.60	0.63	0.07	0.28	0.35	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	4	0.20	0.52	0.00	0.31	0.00	0.06	0.00	0.03	0.26	0.19	0.17	0.24	0.21	0.31	0.34	0.32	0.64	0.69	0.07	0.25	0.35	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	5	0.07	0.52	0.03	0.28	0.00	0.11	0.00	0.00	0.13	0.06	0.12	0.25	0.08	0.33	0.35	0.33	0.73	0.68	0.09	0.17	0.38	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	6	0.09	0.51	0.06	0.24	0.00	0.18	0.00	0.00	0.15	0.08	0.05	0.18	0.10	0.25	0.37	0.35	0.72	0.67	0.14	0.12	0.33	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	7	0.07	0.50	0.08	0.20	0.00	0.18	0.00	0.00	0.13	0.06	0.01	0.15	0.08	0.23	0.35	0.33	0.64	0.63	0.23	0.09	0.31	0.50	0.41	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.02	0.03	0.01	0.17	0.23	1.00	1.00	1.00
2	8	8	0.00	0.47	0.06	0.17	0.00	0.16	0.00	0.00	0.06	0.00	0.00	0.12	0.01	0.20	0.31	0.29	0.63	0.61	0.29	0.11	0.33	0.47	0.38	0.07	0.15	0.41	0.15	0.02	0.00	0.00	0.08	0.02	0.09	0.29	0.45	0.41	0.45	0.40	0.40	0.41	0.36	0.56	0.43	1.00	1.00	1.00
2	8	9	0.00	0.43	0.04	0.14	0.00	0.14	0.00	0.00	0.03	0.00	0.00	0.06	0.00	0.13	0.27	0.25	0.48	0.54	0.36	0.07	0.29	0.43	0.33	0.19	0.28	0.60	0.27	0.04	0.03	0.02	0.16	0.10	0.12	0.56	0.57	0.55	0.68	0.67	0.55	0.57	0.55	0.79	0.56	1.00	1.00	1.00
2	8	10	0.00	0.36	0.02	0.17	0.00	0.05	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.20	0.18	0.40	0.53	0.56	0.06	0.28	0.36	0.25	0.30	0.37	0.65	0.37	0.05	0.08	0.06	0.22	0.09	0.19	0.53	0.87	0.75	0.75	0.86	0.75	0.69	0.59	0.92	0.68	1.00	1.00	1.00
2	8	11	0.02	0.34	0.00	0.23	0.00	0.08	0.00	0.00	0.08	0.01	0.00	0.00	0.03	0.03	0.19	0.17	0.39	0.62	0.76	0.07	0.30	0.34	0.24	0.40	0.46	0.74	0.45	0.02	0.15	0.20	0.32	0.25	0.42	0.44	0.91	0.89	0.77	0.90	0.88	0.72	0.58	0.98	0.78	1.00	1.00	1.00
2	8	12	0.04	0.37	0.00	0.28	0.00	0.12	0.00	0.00	0.10	0.03	0.00	0.00	0.05	0.05	0.20	0.18	0.38	0.57	0.79	0.10	0.32	0.37	0.26	0.42	0.47	0.82	0.46	0.03	0.14	0.13	0.20	0.27	0.77	0.61	0.91	0.65	0.81	0.83	0.64	0.89	0.57	1.00	0.99	1.00	1.00	1.00
2	8	13	0.03	0.46	0.00	0.27	0.00	0.16	0.00	0.00	0.09	0.02	0.00	0.00	0.04	0.06	0.21	0.19	0.37	0.46	0.80	0.13	0.39	0.45	0.36	0.34	0.37	0.79	0.37	0.02	0.12	0.14	0.16	0.05	0.71	0.70	0.49	0.58	0.60	0.72	0.57	0.87	0.56	0.98	1.00	1.00	1.00	1.00
2	8	14	0.03	0.63	0.00	0.23	0.00	0.17	0.00	0.00	0.09	0.02	0.00	0.02	0.04	0.08	0.23	0.21	0.34	0.30	0.78	0.14	0.45	0.63	0.55	0.28	0.32	0.77	0.31	0.08	0.09	0.12	0.10	0.14	0.44	0.63	0.42	0.59	0.47	0.54	0.58	0.85	0.52	0.90	0.98	1.00	1.00	1.00
2	8	15	0.03	0.77	0.00	0.18	0.00	0.26	0.00	0.01	0.09	0.02	0.02	0.02	0.04	0.09	0.22	0.19	0.31	0.19	0.78	0.15	0.48	0.77	0.71	0.23	0.26	0.54	0.25	0.07	0.08	0.07	0.13	0.08	0.40	0.72	0.16	0.43	0.31	0.58	0.43	0.54	0.37	0.67	0.89	1.00	1.00	1.00
2	8	16	0.04	0.75	0.00	0.20	0.00	0.37	0.00	0.05	0.10	0.03	0.05	0.00	0.05	0.06	0.20	0.18	0.22	0.17	0.78	0.16	0.40	0.75	0.70	0.20	0.25	0.38	0.24	0.04	0.05	0.07	0.07	0.04	0.43	0.61	0.43	0.42	0.37	0.45	0.42	0.40	0.22	0.61	0.63	1.00	1.00	1.00
2	8	17	0.07	0.82	0.00	0.26	0.00	0.42	0.00	0.09	0.12	0.06	0.09	0.00	0.08	0.04	0.18	0.16	0.17	0.20	0.77	0.17	0.37	0.82	0.78	0.12	0.18	0.18	0.17	0.05	0.08	0.09	0.06	0.03	0.32	0.39	0.43	0.36	0.28	0.16	0.36	0.21	0.17	0.22	0.17	1.00	1.00	1.00
2	8	18	0.14	0.89	0.01	0.35	0.01	0.52	0.01	0.10	0.20	0.13	0.09	0.00	0.15	0.04	0.18	0.16	0.15	0.24	0.77	0.17	0.39	0.89	0.87	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.03	0.00	0.00	0.00	1.00	1.00	1.00
2	8	19	0.14	0.91	0.02	0.45	0.03	0.43	0.01	0.07	0.20	0.13	0.07	0.00	0.15	0.06	0.21	0.19	0.17	0.33	0.71	0.18	0.41	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	20	0.12	0.90	0.05	0.53	0.01	0.28	0.02	0.08	0.18	0.11	0.09	0.05	0.13	0.12	0.27	0.25	0.18	0.43	0.61	0.24	0.36	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	21	0.07	0.90	0.07	0.59	0.01	0.43	0.02	0.14	0.13	0.06	0.11	0.11	0.08	0.18	0.34	0.32	0.19	0.50	0.55	0.22	0.36	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	22	0.06	0.90	0.08	0.68	0.06	0.33	0.02	0.22	0.12	0.05	0.11	0.14	0.07	0.21	0.39	0.37	0.18	0.48	0.51	0.22	0.44	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	23	0.12	0.91	0.08	0.69	0.14	0.18	0.02	0.25	0.18	0.11	0.10	0.12	0.13	0.20	0.47	0.45	0.15	0.43	0.47	0.24	0.52	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	8	24	0.11	0.91	0.07	0.68	0.20	0.34	0.02	0.20	0.17	0.10	0.12	0.14	0.12	0.21	0.48	0.46	0.34	0.41	0.43	0.26	0.55	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	1	0.12	0.88	0.08	0.68	0.14	0.58	0.02	0.13	0.18	0.11	0.12	0.13	0.13	0.20	0.48	0.46	0.46	0.43	0.42	0.25	0.57	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	2	0.11	0.80	0.05	0.66	0.04	0.36	0.01	0.10	0.16	0.10	0.07	0.10	0.12	0.18	0.53	0.51	0.41	0.54	0.39	0.21	0.57	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	3	0.10	0.73	0.01	0.65	0.00	0.17	0.00	0.08	0.16	0.09	0.03	0.08	0.11	0.16	0.54	0.52	0.36	0.60	0.34	0.17	0.57	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	4	0.10	0.72	0.00	0.65	0.00	0.04	0.00	0.08	0.15	0.09	0.00	0.10	0.11	0.17	0.55	0.53	0.44	0.58	0.29	0.10	0.54	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	5	0.06	0.69	0.00	0.64	0.01	0.01	0.00	0.05	0.12	0.05	0.00	0.09	0.07	0.16	0.56	0.54	0.59	0.56	0.26	0.07	0.50	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	6	0.05	0.59	0.00	0.58	0.05	0.02	0.00	0.01	0.11	0.04	0.00	0.07	0.06	0.15	0.53	0.51	0.66	0.58	0.24	0.04	0.49	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	7	0.05	0.53	0.00	0.49	0.04	0.02	0.00	0.00	0.11	0.04	0.00	0.03	0.06	0.10	0.47	0.45	0.66	0.60	0.23	0.04	0.45	0.53	0.44	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.03	0.00	0.08	0.19	1.00	1.00	1.00
2	9	8	0.05	0.50	0.00	0.42	0.01	0.06	0.00	0.00	0.11	0.04	0.00	0.00	0.06	0.06	0.48	0.46	0.66	0.58	0.30	0.05	0.29	0.50	0.40	0.04	0.11	0.26	0.10	0.03	0.00	0.00	0.03	0.11	0.19	0.18	0.29	0.17	0.31	0.22	0.17	0.30	0.17	0.30	0.47	1.00	1.00	1.00
2	9	9	0.03	0.43	0.00	0.33	0.00	0.07	0.00	0.00	0.09	0.02	0.00	0.00	0.04	0.04	0.40	0.38	0.62	0.45	0.41	0.02	0.13	0.43	0.34	0.15	0.21	0.45	0.21	0.06	0.03	0.02	0.12	0.17	0.43	0.36	0.44	0.26	0.46	0.34	0.26	0.66	0.29	0.47	0.62	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx_	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
2	9	10	0.02	0.42	0.00	0.26	0.00	0.01	0.00	0.00	0.07	0.01	0.00	0.00	0.03	0.01	0.36	0.34	0.53	0.36	0.49	0.01	0.10	0.42	0.31	0.20	0.25	0.52	0.25	0.09	0.04	0.04	0.25	0.15	0.61	0.47	0.09	0.38	0.43	0.46	0.38	0.83	0.24	0.71	0.65	1.00	1.00	1.00
2	9	11	0.02	0.41	0.00	0.24	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.03	0.02	0.38	0.36	0.43	0.37	0.52	0.01	0.09	0.41	0.30	0.29	0.33	0.49	0.32	0.16	0.07	0.07	0.16	0.11	0.61	0.64	0.36	0.51	0.55	0.57	0.51	0.60	0.22	0.74	0.69	1.00	1.00	1.00
2	9	12	0.03	0.40	0.00	0.25	0.00	0.00	0.00	0.00	0.08	0.02	0.00	0.00	0.04	0.02	0.36	0.34	0.29	0.33	0.54	0.03	0.08	0.40	0.30	0.35	0.39	0.46	0.38	0.19	0.11	0.11	0.15	0.21	0.35	0.50	0.70	0.69	0.65	0.81	0.69	0.30	0.32	0.75	0.82	1.00	1.00	1.00
2	9	13	0.05	0.41	0.00	0.25	0.02	0.00	0.00	0.00	0.11	0.04	0.00	0.00	0.06	0.03	0.32	0.29	0.20	0.29	0.51	0.07	0.09	0.41	0.30	0.35	0.38	0.56	0.37	0.05	0.16	0.12	0.15	0.16	0.22	0.43	0.92	0.64	0.63	0.84	0.63	0.59	0.33	0.83	0.86	1.00	1.00	1.00
2	9	14	0.04	0.41	0.00	0.25	0.03	0.00	0.00	0.03	0.10	0.03	0.00	0.00	0.05	0.03	0.26	0.24	0.16	0.22	0.44	0.12	0.12	0.41	0.31	0.28	0.32	0.52	0.31	0.06	0.12	0.12	0.17	0.05	0.29	0.15	0.97	0.49	0.44	0.77	0.48	0.39	0.31	0.81	0.77	1.00	1.00	1.00
2	9	15	0.03	0.41	0.00	0.25	0.01	0.00	0.00	0.08	0.08	0.02	0.01	0.00	0.04	0.04	0.19	0.17	0.13	0.16	0.39	0.15	0.15	0.41	0.31	0.24	0.28	0.40	0.28	0.09	0.09	0.11	0.13	0.06	0.26	0.25	0.75	0.33	0.53	0.66	0.33	0.11	0.28	0.65	0.53	1.00	1.00	1.00
2	9	16	0.11	0.44	0.00	0.25	0.00	0.00	0.00	0.12	0.17	0.10	0.03	0.00	0.12	0.03	0.12	0.10	0.10	0.13	0.36	0.19	0.18	0.44	0.34	0.16	0.20	0.30	0.19	0.04	0.04	0.15	0.13	0.12	0.19	0.33	0.28	0.23	0.32	0.55	0.23	0.10	0.22	0.47	0.41	1.00	1.00	1.00
2	9	17	0.15	0.51	0.00	0.28	0.00	0.07	0.00	0.15	0.21	0.14	0.05	0.00	0.16	0.04	0.08	0.06	0.06	0.13	0.34	0.19	0.21	0.51	0.41	0.09	0.14	0.12	0.14	0.03	0.11	0.03	0.13	0.05	0.26	0.28	0.25	0.10	0.23	0.30	0.10	0.03	0.14	0.17	0.12	1.00	1.00	1.00
2	9	18	0.18	0.54	0.00	0.36	0.00	0.14	0.00	0.20	0.24	0.17	0.06	0.00	0.19	0.03	0.08	0.06	0.05	0.12	0.37	0.15	0.34	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	19	0.17	0.56	0.00	0.40	0.00	0.09	0.00	0.19	0.23	0.16	0.06	0.00	0.18	0.02	0.08	0.06	0.03	0.14	0.40	0.15	0.44	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	20	0.16	0.54	0.00	0.34	0.01	0.04	0.00	0.15	0.21	0.15	0.06	0.00	0.17	0.03	0.12	0.10	0.01	0.18	0.43	0.16	0.47	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	21	0.10	0.50	0.00	0.30	0.08	0.02	0.00	0.11	0.16	0.09	0.06	0.00	0.11	0.04	0.15	0.13	0.01	0.16	0.46	0.13	0.49	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	22	0.03	0.51	0.00	0.30	0.16	0.03	0.00	0.07	0.08	0.02	0.04	0.00	0.04	0.04	0.19	0.17	0.01	0.16	0.47	0.10	0.49	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	23	0.00	0.51	0.03	0.29	0.20	0.02	0.00	0.02	0.03	0.00	0.02	0.00	0.00	0.03	0.27	0.24	0.02	0.17	0.50	0.09	0.54	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	9	24	0.00	0.49	0.04	0.30	0.21	0.01	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.05	0.26	0.23	0.03	0.18	0.54	0.09	0.56	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	1	0.00	0.51	0.04	0.27	0.15	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.27	0.25	0.05	0.20	0.57	0.07	0.54	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	2	0.00	0.53	0.04	0.27	0.11	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.30	0.27	0.06	0.23	0.60	0.06	0.48	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	3	0.00	0.53	0.05	0.31	0.14	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.31	0.29	0.08	0.25	0.66	0.04	0.45	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	4	0.00	0.52	0.08	0.36	0.25	0.12	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.03	0.31	0.29	0.12	0.27	0.69	0.03	0.46	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	5	0.00	0.53	0.10	0.41	0.34	0.28	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.29	0.27	0.15	0.27	0.68	0.04	0.47	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	6	0.00	0.54	0.07	0.47	0.39	0.36	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.26	0.24	0.17	0.26	0.68	0.06	0.45	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	7	0.00	0.55	0.06	0.51	0.40	0.47	0.02	0.00	0.06	0.00	0.00	0.00	0.01	0.02	0.24	0.22	0.17	0.27	0.70	0.08	0.39	0.55	0.46	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.01	0.05	0.14	1.00	1.00	1.00
2	10	8	0.01	0.49	0.04	0.59	0.32	0.52	0.05	0.00	0.06	0.00	0.00	0.00	0.02	0.02	0.24	0.22	0.17	0.29	0.70	0.12	0.24	0.49	0.39	0.01	0.03	0.16	0.03	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.05	0.15	0.20	0.05	0.26	0.07	0.26	0.24	1.00	1.00	1.00
2	10	9	0.01	0.37	0.03	0.63	0.21	0.44	0.08	0.00	0.07	0.01	0.00	0.00	0.02	0.01	0.22	0.20	0.13	0.28	0.74	0.10	0.14	0.37	0.27	0.10	0.14	0.27	0.14	0.00	0.06	0.05	0.02	0.05	0.12	0.05	0.11	0.31	0.51	0.52	0.31	0.28	0.16	0.38	0.39	1.00	1.00	1.00
2	10	10	0.03	0.34	0.01	0.67	0.20	0.35	0.10	0.00	0.08	0.02	0.00	0.00	0.04	0.00	0.20	0.18	0.06	0.30	0.77	0.13	0.15	0.34	0.23	0.18	0.22	0.36	0.21	0.01	0.10	0.13	0.05	0.02	0.11	0.22	0.10	0.46	0.67	0.73	0.45	0.35	0.28	0.51	0.53	1.00	1.00	1.00
2	10	11	0.08	0.37	0.00	0.75	0.16	0.19	0.14	0.00	0.13	0.07	0.00	0.00	0.09	0.00	0.23	0.20	0.02	0.44	0.78	0.21	0.19	0.37	0.26	0.26	0.30	0.41	0.29	0.02	0.11	0.25	0.06	0.06	0.23	0.37	0.41	0.48	0.77	0.72	0.48	0.45	0.27	0.67	0.51	1.00	1.00	1.00
2	10	12	0.14	0.47	0.00	0.80	0.18	0.19	0.14	0.05	0.20	0.13	0.00	0.00	0.15	0.01	0.25	0.22	0.01	0.54	0.78	0.30	0.23	0.47	0.38	0.28	0.32	0.42	0.31	0.02	0.17	0.18	0.08	0.08	0.67	0.37	0.22	0.39	0.70	0.75	0.38	0.32	0.34	0.75	0.61	1.00	1.00	1.00
2	10	13	0.20	0.61	0.00	0.84	0.22	0.77	0.15	0.14	0.26	0.20	0.00	0.00	0.21	0.02	0.28	0.25	0.02	0.64	0.76	0.41	0.24	0.61	0.53	0.38	0.42	0.45	0.41	0.03	0.34	0.26	0.26	0.27	0.87	0.60	0.13	0.58	0.74	0.73	0.57	0.35	0.37	0.76	0.64	1.00	1.00	1.00
2	10	14	0.23	0.72	0.00	0.83	0.14	0.71	0.14	0.21	0.29	0.22	0.00	0.00	0.24	0.03	0.30	0.28	0.03	0.68	0.71	0.41	0.26	0.72	0.65	0.35	0.38	0.46	0.38	0.05	0.34	0.28	0.20	0.15	0.94	0.97	0.05	0.44	0.56	0.45	0.43	0.33	0.37	0.54	0.77	1.00	1.00	1.00
2	10	15	0.22	0.71	0.00	0.80	0.03	0.42	0.15	0.25	0.28	0.21	0.01	0.00	0.23	0.04	0.28	0.26	0.05	0.64	0.62	0.35	0.36	0.71	0.65	0.30	0.35	0.41	0.34	0.09	0.17	0.34	0.25	0.02	0.76	0.91	0.33	0.55	0.26	0.36	0.54	0.28	0.27	0.34	0.80	1.00	1.00	1.00
2	10	16	0.29	0.65	0.00	0.75	0.00	0.36	0.17	0.30	0.35	0.28	0.03	0.00	0.30	0.05	0.27	0.25	0.07	0.55	0.54	0.32	0.49	0.65	0.58	0.27	0.33	0.36	0.32	0.08	0.11	0.33	0.20	0.01	0.67	0.77	0.67	0.49	0.37	0.19	0.49	0.32	0.26	0.21	0.63	1.00	1.00	1.00
2	10	17	0.39	0.62	0.00	0.78	0.00	0.68	0.17	0.30	0.44	0.38	0.08	0.00	0.40	0.04	0.27	0.25	0.09	0.63	0.51	0.30	0.36	0.62	0.55	0.13	0.19	0.16	0.19	0.16	0.01	0.12	0.12	0.02	0.32	0.51	0.50	0.33	0.15	0.16	0.33	0.17	0.21	0.06	0.18	1.00	1.00	1.00
2	10	18	0.47	0.63	0.00	0.76	0.00	0.68	0.16	0.31	0.51	0.46	0.09	0.00	0.48	0.06	0.30	0.27	0.14	0.76	0.48	0.27	0.26	0.63	0.55	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.03	0.05	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	1.00	1.00	1.00
2	10	19	0.48	0.57	0.00	0.69	0.00	0.59	0.15	0.29	0.53	0.48	0.16	0.06	0.49	0.13	0.33	0.31	0.24	0.83	0.48	0.22	0.21	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	20	0.38	0.53	0.00	0.65	0.00	0.75	0.17	0.25	0.42	0.37	0.21	0.14	0.38	0.21	0.35	0.32	0.44	0.80	0.48	0.27	0.26	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	21	0.31	0.52	0.00	0.67	0.05	0.73	0.16	0.23	0.36	0.30	0.27	0.20	0.32	0.27	0.38	0.36	0.64	0.70	0.48	0.28	0.37	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	22	0.34	0.52	0.00	0.73	0.19	0.68	0.18	0.28	0.39	0.33	0.36	0.23	0.35	0.31	0.41	0.39	0.70	0.63	0.43	0.31	0.29	0.52	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	23	0.45	0.57	0.00	0.71	0.29	0.57	0.17	0.32	0.50	0.44	0.46	0.29	0.46	0.36	0.43	0.41	0.77	0.64	0.39	0.35	0.14	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	10	24	0.49	0.62	0.00	0.72	0.28	0.49	0.17	0.29	0.54	0.49	0.54	0.36	0.50	0.42	0.45	0.43	0.80	0.72	0.39	0.44	0.14	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	1	0.39	0.67	0.00	0.67	0.24	0.43	0.18	0.22	0.44	0.39	0.57	0.38	0.40	0.45	0.44	0.43	0.76	0.74	0.40	0.50	0.18	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	2	0.33	0.70	0.00	0.67	0.19	0.46	0.15	0.28	0.38	0.32	0.57	0.38	0.34	0.44	0.44	0.42	0.68	0.74	0.43	0.45	0.26	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	3	0.26	0.71	0.00	0.66	0.19	0.30	0.12	0.31	0.31	0.25	0.54	0.39	0.27	0.45	0.46	0.44	0.60	0.71	0.44	0.40	0.35	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	4	0.35	0.68	0.00	0.61	0.28	0.25	0.10	0.29	0.41	0.34	0.55	0.42	0.36	0.48	0.48	0.46	0.52	0.64	0.47	0.39	0.33	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	5	0.29	0.57	0.04	0.60	0.32	0.32	0.07	0.23	0.34	0.28	0.55	0.45	0.30	0.50	0.51	0.49	0.51	0.53	0.45	0.43	0.29	0.57	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	6	0.28	0.59	0.08	0.57	0.31	0.10	0.06	0.21	0.34	0.27	0.53	0.56	0.29	0.61	0.52	0.51	0.50	0.47	0.43	0.46	0.18	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	7	0.29	0.71	0.10	0.55	0.25	0.01	0.06	0.21	0.34	0.28	0.53	0.60	0.30	0.64	0.52	0.50	0.38	0.44	0.48	0.34	0.23	0.71	0.65	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.02	0.04	0.01	0.00	0.08	1.00	1.00	1.00
2	11	8	0.30	0.72	0.09	0.52	0.17	0.00	0.05	0.22	0.35	0.29	0.57	0.62	0.31	0.66	0.49	0.47	0.40	0.43	0.50	0.34	0.24	0.72	0.65	0.04	0.12	0.16	0.12	0.10	0.04	0.15	0.13	0.10	0.19	0.14	0.25	0.33	0.21	0.09	0.32	0.24	0.24	0.05	0.25	1.00	1.00	1.00
2	11	9	0.41	0.60	0.06	0.40	0.03	0.00	0.04	0.24	0.46	0.40	0.61	0.61	0.42	0.65	0.44	0.42	0.48	0.53	0.55	0.40	0.29	0.60	0.52	0.22	0.33	0.36	0.32	0.25	0.42	0.43	0.36	0.40	0.38	0.47	0.01	0.50	0.57	0.38	0.50	0.43	0.38	0.20	0.49	1.00	1.00	1.00
2	11	10	0.50	0.50	0.04	0.40	0.01	0.01	0.03	0.27	0.54	0.49	0.60	0.66	0.51	0.70	0.51	0.49	0.47	0.79	0.67	0.41	0.33	0.50	0.42	0.38	0.47	0.50	0.46	0.33	0.60	0.52	0.48	0.59	0.70	0.41	0.03	0.68	0.78	0.52	0.68	0.55	0.44	0.26	0.46	1.00	1.00	1.00
2	11	11	0.69	0.53	0.03	0.48	0.06	0.01	0.02	0.34	0.72	0.68	0.57	0.66	0.69	0.70	0.55	0.54	0.49	0.92	0.78	0.44	0.26	0.53	0.43	0.50	0.57	0.50	0.56	0.41	0.68	0.59	0.50	0.55	0.64	0.44	0.63	0.77	0.85	0.60	0.77	0.43	0.60	0.26	0.53	1.00	1.00	1.00
2	11	12	0.74	0.45	0.04	0.52	0.11	0.02	0.08	0.52	0.76	0.74	0.59	0.65	0.74	0.68	0.52	0.50	0.56	0.94	0.77	0.48	0.26	0.45	0.35	0.53	0.59	0.50	0.58	0.40	0.76	0.28	0.57	0.63	0.66	0.66	0.37	0.75	0.92	0.70	0.74	0.51	0.59	0.31	0.39	1.00	1.00	1.00
2	11	13	0.89	0.37	0.04	0.54	0.13	0.14	0.12	0.68	0.90	0.89	0.71	0.70	0.89	0.73	0.55	0.53	0.63	0.97	0.70	0.45	0.34	0.37	0.27	0.57	0.63	0.51	0.62	0.40	0.67	0.53	0.47	0.87	0.86	0.92	0.36	0.61	0.77	0.68	0.60	0.55	0.51	0.40	0.47	1.00	1.00	1.00
2	11	14	0.87	0.37	0.03	0.52	0.11	0.26	0.14	0.68	0.88	0.86	0.75	0.74	0.87	0.77	0.60	0.58	0.66	0.95	0.59	0.43	0.61	0.37	0.26	0.55	0.61	0.54	0.60	0.39	0.71	0.52	0.44	0.86	0.86	0.68	0.51	0.63	0.71	0.65	0.62	0.39	0.64	0.39	0.41	1.00	1.00	1.00
2	11	15	0.82	0.32	0.04	0.49	0.10	0.25	0.16	0.70	0.83	0.82	0.82	0.78	0.82	0.80	0.55	0.53	0.66	0.93	0.49	0.46	0.71	0.32	0.21	0.52	0.59	0.45	0.58	0.37	0.74	0.50	0.48	0.77	0.77	0.70	0.44	0.71	0.81	0.53	0.70	0.42	0.65	0.46	0.31	1.00	1.00	1.00
2	11	16	0.83	0.23	0.05	0.40	0.08	0.21	0.23	0.70	0.85	0.83	0.89	0.81	0.83	0.83	0.50	0.48	0.64	0.86	0.35	0.52	0.66	0.23	0.13	0.43	0.53	0.43	0.52	0.35	0.68	0.55	0.48	0.69	0.66	0.70	0.48	0.47	0.59	0.62	0.46	0.38	0.52	0.42	0.34	1.00	1.00	1.00
2	11	17	0.83	0.24	0.08	0.38	0.09	0.30	0.26	0.66	0.85	0.83	0.92	0.85	0.83	0.87	0.51	0.49	0.70	0.68	0.27	0.47	0.75	0.24	0.13	0.21	0.30	0.22	0.30	0.24	0.40	0.39	0.35	0.38	0.32	0.45	0.29	0.33	0.28	0.39	0.33	0.28	0.31	0.11	0.04	1.00	1.00	1.00
2	11	18	0.79	0.26	0.17	0.45	0.19	0.71	0.32	0.63	0.81	0.79	0.90	0.87	0.80	0.89	0.55	0.54	0.77	0.73	0.22	0.45	0.78	0.26	0.15	0.01	0.02	0.01	0.02	0.02	0.06	0.05	0.03	0.07	0.04	0.04	0.01	0.02	0.01	0.02	0.02	0.00	0.03	0.00	0.00	1.00	1.00	1.00
2	11	19	0.74	0.26	0.30	0.36	0.26	0.59	0.35	0.59	0.76	0.73	0.83	0.87	0.74	0.89	0.58	0.56	0.70	0.60	0.18	0.47	0.72	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	20	0.61	0.47	0.36	0.31	0.26	0.70	0.36	0.57	0.65	0.61	0.68	0.88	0.62	0.89	0.60	0.59	0.69	0.41	0.13	0.37	0.72	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	21	0.43	0.59	0.34	0.26	0.22	0.63	0.32	0.57	0.47	0.42	0.61	0.90	0.44	0.91	0.58	0.57	0.55	0.14	0.08	0.20	0.74	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	22	0.39	0.57	0.27	0.22	0.18	0.57	0.30	0.62	0.43	0.38	0.57	0.87	0.39	0.89	0.55	0.53	0.65	0.02	0.07	0.10	0.72	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	23	0.37	0.64	0.22	0.23	0.15	0.40	0.29	0.65	0.42	0.36	0.54	0.80	0.38	0.82	0.51	0.49	0.63	0.05	0.07	0.09	0.72	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	11	24	0.32	0.72	0.16	0.25	0.12	0.25	0.25	0.64	0.38	0.32	0.48	0.70	0.33	0.73	0.50	0.48	0.62	0.04	0.10	0.11	0.72	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	1	0.30	0.82	0.13	0.29	0.05	0.27	0.20	0.61	0.36	0.29	0.45	0.65	0.31	0.68	0.49	0.47	0.60	0.04	0.14	0.13	0.66	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	2	0.28	0.90	0.09	0.25	0.01	0.28	0.17	0.55	0.33	0.27	0.39	0.61	0.29	0.65	0.48	0.47	0.65	0.04	0.18	0.11	0.66	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	3	0.28	0.96	0.07	0.22	0.00	0.25	0.15	0.47	0.33	0.27	0.37	0.59	0.29	0.63	0.43	0.41	0.68	0.03	0.21	0.04	0.69	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	4	0.31	0.98	0.08	0.18	0.00	0.23	0.14	0.41	0.37	0.31	0.36	0.58	0.32	0.62	0.40	0.38	0.61	0.02	0.25	0.02	0.62	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	5	0.31	0.99	0.06	0.15	0.00	0.27	0.11	0.40	0.36	0.30	0.36	0.59	0.32	0.63	0.41	0.39	0.52	0.01	0.34	0.00	0.57	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	6	0.31	0.98	0.04	0.12	0.00	0.26	0.08	0.38	0.36	0.30	0.33	0.59	0.32	0.63	0.39	0.37	0.46	0.01	0.49	0.00	0.54	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	7	0.29	0.96	0.03	0.09	0.00	0.21	0.05	0.35	0.34	0.28	0.28	0.64	0.30	0.68	0.34	0.32	0.41	0.01	0.59	0.00	0.43	0.96	0.95	0.00	0.01	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.04	0.09	0.05	0.04	0.14	0.04	0.22	0.23	1.00	1.00	1.00
2	12	8	0.24	0.93	0.03	0.07	0.00	0.13	0.03	0.29	0.29	0.23	0.21	0.56	0.24	0.61	0.27	0.25	0.33	0.00	0.78	0.00	0.22	0.93	0.92	0.10	0.24	0.45	0.23	0.09	0.05	0.11	0.16	0.17	0.31	0.48	0.56	0.49	0.53	0.47	0.49	0.47	0.43	0.63	0.59	1.00	1.00	1.00
2	12	9	0.22	0.97	0.02	0.04	0.00	0.05	0.01	0.22	0.28	0.21	0.19	0.45	0.23	0.50	0.21	0.19	0.24	0.00	0.93	0.00	0.12	0.97	0.96	0.34	0.50	0.68	0.49	0.33	0.33	0.44	0.40	0.41	0.57	0.73	0.83	0.80	0.82	0.65	0.79	0.65	0.65	0.86	0.67	1.00	1.00	1.00
2	12	10	0.20	0.98	0.01	0.03	0.00	0.02	0.00	0.17	0.26	0.19	0.20	0.33	0.21	0.40	0.11	0.09	0.17	0.00	0.94	0.00	0.08	0.98	0.97	0.54	0.68	0.80	0.67	0.42	0.58	0.63	0.58	0.54	0.84	0.87	0.99	0.96	0.97	0.74	0.95	0.71	0.75	0.97	0.73	1.00	1.00	1.00
2	12	11	0.13	0.99	0.00	0.04	0.00	0.00	0.00	0.15	0.19	0.12	0.20	0.20	0.14	0.27	0.06	0.05	0.12	0.01	0.88	0.00	0.05	0.99	0.99	0.66	0.76	0.85	0.75	0.40	0.79	0.78	0.64	0.70	0.65	0.95	1.00	1.00	1.00	0.75	1.00	0.72	0.82	0.99	0.69	1.00	1.00	1.00
2	12	12	0.10	0.99	0.00	0.04	0.00	0.00	0.01	0.19	0.16	0.09	0.22	0.18	0.11	0.25	0.05	0.03	0.09	0.01	0.80	0.00	0.03	0.99	0.98	0.76	0.85	0.94	0.83	0.40	0.84	0.85	0.71	0.88	0.92	0.96	1.00	1.00	1.00	0.88	1.00	0.84	0.88	1.00	0.79	1.00	1.00	1.00
2	12	13	0.15	0.99	0.00	0.05	0.00	0.00	0.03	0.29	0.21	0.14	0.27	0.23	0.16	0.30	0.04	0.03	0.08	0.01	0.77	0.03	0.03	0.99	0.98	0.72	0.78	0.94	0.77	0.27	0.63	0.75	0.63	0.92	0.62	0.93	1.00	1.00	1.00	0.91	1.00	0.91	0.88	0.99	0.71	1.00	1.00	1.00
2	12	14	0.22	0.98	0.00	0.07	0.00	0.01	0.07	0.42	0.28	0.22	0.33	0.33	0.23	0.40	0.04	0.03	0.06	0.00	0.77	0.08	0.03	0.98	0.98	0.68	0.75	0.88	0.74	0.13	0.44	0.77	0.59	0.93	0.74	0.93	1.00	1.00	1.00	0.88	1.00	0.79	0.84	0.92	0.81	1.00	1.00	1.00
2	12	15	0.29	0.96	0.00	0.08	0.00	0.12	0.10	0.53	0.34	0.28	0.44	0.42	0.30	0.48	0.04	0.03	0.04	0.00	0.72	0.14	0.04	0.96	0.96	0.59	0.68	0.79	0.67	0.16	0.42	0.58	0.59	0.86	0.72	0.84	0.90	0.91	0.98	0.87	0.90	0.67	0.74	0.92	0.77	1.00	1.00	1.00
2	12	16	0.33	0.94	0.00	0.14	0.00	0.15	0.14	0.59	0.38	0.32	0.52	0.45	0.33	0.51	0.03	0.02	0.03	0.02	0.55	0.19	0.06	0.94	0.92	0.44	0.54	0.63	0.53	0.25	0.21	0.54	0.54	0.59	0.50	0.78	0.83	0.71	0.85	0.70	0.70	0.61	0.58	0.77	0.62	1.00	1.00	1.00
2	12	17	0.38	0.83	0.00	0.16	0.00	0.11	0.20	0.60	0.43	0.37	0.51	0.43	0.39	0.49	0.04	0.02	0.03	0.06	0.39	0.21	0.18	0.83	0.79	0.18	0.26	0.22	0.26	0.22	0.25	0.19	0.31	0.25	0.25	0.47	0.12	0.38	0.50	0.40	0.38	0.36	0.17	0.22	0.20	1.00	1.00	1.00
2	12	18	0.48	0.80	0.00	0.10	0.00	0.31	0.25	0.57	0.53	0.48	0.49	0.45	0.49	0.50	0.04	0.03	0.02	0.08	0.30	0.23	0.35	0.80	0.76	0.00	0.02	0.01	0.02	0.03	0.02	0.02	0.03	0.04	0.03	0.05	0.00	0.02	0.03	0.02	0.02	0.01	0.02	0.00	0.00	1.00	1.00	1.00
2	12	19	0.53	0.80	0.00	0.07	0.00	0.73	0.25	0.58	0.57	0.53	0.52	0.57	0.54	0.61	0.02	0.01	0.00	0.06	0.22	0.25	0.38	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	20	0.51	0.86	0.00	0.06	0.00	0.73	0.27	0.56	0.55	0.50	0.63	0.76	0.51	0.80	0.01	0.01	0.00	0.03	0.16	0.28	0.37	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	21	0.44	0.89	0.00	0.05	0.00	0.56	0.23	0.62	0.48	0.43	0.74	0.75	0.44	0.78	0.01	0.00	0.00	0.02	0.11	0.23	0.32	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	22	0.44	0.79	0.00	0.04	0.00	0.38	0.15	0.66	0.49	0.43	0.77	0.76	0.45	0.78	0.01	0.00	0.00	0.02	0.06	0.18	0.30	0.79	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	23	0.43	0.52	0.00	0.03	0.00	0.34	0.14	0.66	0.48	0.43	0.78	0.80	0.44	0.83	0.01	0.00	0.00	0.01	0.03	0.18	0.27	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	12	24	0.42	0.24	0.00	0.01	0.00	0.63	0.18	0.66	0.46	0.41	0.74	0.78	0.43	0.80	0.01	0.00	0.00	0.03	0.02	0.18	0.20	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	1	0.46	0.13	0.00	0.01	0.00	0.33	0.27	0.69	0.51	0.45	0.68	0.82	0.47	0.84	0.01	0.01	0.00	0.03	0.01	0.17	0.15	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	2	0.42	0.14	0.00	0.01	0.00	0.20	0.33	0.72	0.46	0.41	0.67	0.80	0.43	0.82	0.01	0.00	0.00	0.02	0.01	0.14	0.15	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	3	0.38	0.18	0.00	0.03	0.00	0.17	0.33	0.71	0.43	0.37	0.64	0.77	0.39	0.80	0.01	0.00	0.00	0.03	0.00	0.09	0.16	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	4	0.36	0.34	0.00	0.05	0.00	0.10	0.36	0.69	0.41	0.35	0.65	0.71	0.37	0.74	0.01	0.01	0.00	0.04	0.00	0.07	0.13	0.34	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	5	0.37	0.33	0.00	0.07	0.00	0.10	0.47	0.67	0.42	0.37	0.67	0.71	0.38	0.74	0.02	0.01	0.00	0.09	0.00	0.06	0.13	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	6	0.48	0.28	0.00	0.10	0.00	0.11	0.59	0.72	0.52	0.47	0.62	0.70	0.48	0.74	0.02	0.01	0.01	0.17	0.01	0.05	0.13	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	7	0.55	0.30	0.00	0.14	0.00	0.21	0.67	0.74	0.59	0.54	0.62	0.65	0.55	0.69	0.02	0.01	0.02	0.21	0.01	0.05	0.18	0.30	0.19	0.00	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.05	0.05	0.13	0.05	0.05	0.02	0.01	0.12	0.07	1.00	1.00	1.00
2	13	8	0.51	0.24	0.00	0.17	0.00	0.27	0.66	0.79	0.55	0.50	0.54	0.57	0.51	0.61	0.03	0.01	0.04	0.16	0.01	0.04	0.12	0.24	0.13	0.09	0.23	0.25	0.22	0.15	0.02	0.07	0.15	0.17	0.40	0.36	0.54	0.49	0.55	0.37	0.48	0.10	0.19	0.35	0.18	1.00	1.00	1.00
2	13	9	0.55	0.18	0.00	0.11	0.00	0.21	0.64	0.83	0.59	0.54	0.49	0.57	0.56	0.62	0.02	0.01	0.03	0.14	0.01	0.03	0.07	0.18	0.08	0.31	0.45	0.42	0.45	0.50	0.22	0.19	0.38	0.43	0.63	0.51	0.79	0.78	0.82	0.50	0.78	0.12	0.35	0.60	0.22	1.00	1.00	1.00
2	13	10	0.60	0.17	0.00	0.09	0.00	0.22	0.61	0.84	0.63	0.59	0.50	0.62	0.60	0.66	0.02	0.01	0.06	0.12	0.02	0.03	0.04	0.17	0.06	0.45	0.57	0.47	0.56	0.73	0.47	0.36	0.46	0.56	0.65	0.51	0.62	0.83	0.93	0.65	0.82	0.19	0.41	0.66	0.15	1.00	1.00	1.00
2	13	11	0.48	0.14	0.00	0.11	0.00	0.26	0.64	0.81	0.52	0.47	0.55	0.67	0.48	0.71	0.02	0.01	0.10	0.14	0.03	0.04	0.04	0.14	0.05	0.51	0.59	0.53	0.58	0.78	0.43	0.37	0.36	0.28	0.86	0.36	0.60	1.00	1.00	0.76	0.99	0.40	0.49	0.65	0.18	1.00	1.00	1.00
2	13	12	0.48	0.14	0.00	0.11	0.00	0.25	0.68	0.79	0.52	0.47	0.57	0.71	0.49	0.75	0.03	0.01	0.14	0.21	0.05	0.05	0.07	0.14	0.04	0.53	0.59	0.50	0.58	0.77	0.47	0.44	0.45	0.39	0.81	0.23	0.54	0.92	1.00	0.65	0.91	0.47	0.52	0.60	0.08	1.00	1.00	1.00
2	13	13	0.54	0.14	0.00	0.11	0.00	0.24	0.76	0.81	0.58	0.54	0.56	0.74	0.55	0.77	0.03	0.02	0.18	0.27	0.07	0.07	0.11	0.14	0.04	0.45	0.49	0.48	0.48	0.74	0.30	0.47	0.38	0.43	0.49	0.36	0.38	0.88	0.54	0.63	0.87	0.32	0.55	0.60	0.16	1.00	1.00	1.00
2	13	14	0.57	0.13	0.00	0.11	0.00	0.31	0.82	0.84	0.60	0.56	0.61	0.80	0.57	0.83	0.03	0.02	0.24	0.30	0.10	0.09	0.14	0.13	0.04	0.43	0.48	0.37	0.47	0.71	0.32	0.36	0.26	0.88	0.82	0.11	0.02	0.78	0.67	0.54	0.77	0.37	0.40	0.50	0.12	1.00	1.00	1.00
2	13	15	0.61	0.16	0.00	0.12	0.00	0.35	0.85	0.88	0.65	0.61	0.62	0.84	0.62	0.86	0.04	0.02	0.33	0.35	0.14	0.10	0.16	0.16	0.06	0.40	0.46	0.38	0.45	0.55	0.51	0.30	0.32	0.69	0.80	0.36	0.01	0.58	0.71	0.53	0.58	0.33	0.45	0.57	0.10	1.00	1.00	1.00
2	13	16	0.58	0.19	0.00	0.11	0.00	0.39	0.87	0.90	0.61	0.57	0.63	0.90	0.59	0.91	0.04	0.03	0.40	0.40	0.16	0.12	0.21	0.19	0.09	0.35	0.43	0.30	0.42	0.50	0.60	0.40	0.22	0.56	0.72	0.37	0.23	0.69	0.31	0.56	0.68	0.28	0.39	0.36	0.09	1.00	1.00	1.00
2	13	17	0.61	0.22	0.00	0.11	0.01	0.41	0.89	0.91	0.64	0.60	0.60	0.92	0.61	0.93	0.05	0.04	0.40	0.46	0.14	0.17	0.24	0.22	0.11	0.19	0.27	0.14	0.27	0.40	0.43	0.26	0.20	0.36	0.32	0.23	0.18	0.43	0.34	0.31	0.42	0.16	0.25	0.18	0.02	1.00	1.00	1.00
2	13	18	0.70	0.25	0.00	0.14	0.11	0.52	0.92	0.93	0.73	0.70	0.60	0.93	0.71	0.94	0.07	0.05	0.48	0.57	0.12	0.22	0.26	0.25	0.14	0.01	0.02	0.00	0.02	0.07	0.09	0.03	0.02	0.06	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.00	0.02	0.00	0.00	1.00	1.00	1.00
2	13	19	0.72	0.25	0.00	0.18	0.31	0.76	0.95	0.93	0.75	0.72	0.69	0.90	0.73	0.92	0.08	0.06	0.53	0.62	0.09	0.21	0.23	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	20	0.78	0.22	0.02	0.20	0.30	0.59	0.96	0.91	0.80	0.78	0.69	0.85	0.78	0.87	0.08	0.06	0.58	0.60	0.06	0.18	0.28	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	21	0.72	0.22	0.05	0.18	0.24	0.61	0.95	0.89	0.75	0.72	0.70	0.80	0.73	0.82	0.08	0.06	0.61	0.56	0.04	0.19	0.30	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	22	0.72	0.25	0.06	0.20	0.27	0.85	0.92	0.84	0.75	0.72	0.73	0.74	0.73	0.77	0.07	0.05	0.63	0.49	0.03	0.23	0.34	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	23	0.68	0.29	0.05	0.20	0.25	0.81	0.90	0.79	0.71	0.67	0.73	0.65	0.68	0.69	0.05	0.03	0.64	0.44	0.01	0.25	0.33	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	13	24	0.55	0.33	0.04	0.22	0.14	0.62	0.86	0.76	0.59	0.55	0.68	0.64	0.56	0.68	0.04	0.03	0.57	0.35	0.01	0.21	0.25	0.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	1	0.56	0.24	0.04	0.24	0.08	0.32	0.81	0.74	0.60	0.55	0.59	0.65	0.57	0.69	0.06	0.04	0.44	0.30	0.00	0.27	0.23	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	2	0.55	0.20	0.04	0.29	0.02	0.14	0.77	0.71	0.59	0.54	0.54	0.63	0.55	0.67	0.07	0.06	0.34	0.27	0.00	0.41	0.16	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	3	0.47	0.20	0.05	0.29	0.00	0.09	0.75	0.64	0.51	0.46	0.57	0.59	0.48	0.63	0.08	0.06	0.38	0.24	0.00	0.47	0.08	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	4	0.43	0.16	0.07	0.27	0.00	0.04	0.76	0.56	0.47	0.42	0.55	0.56	0.44	0.61	0.08	0.06	0.37	0.26	0.01	0.44	0.07	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	5	0.38	0.22	0.06	0.28	0.00	0.06	0.75	0.46	0.43	0.37	0.53	0.52	0.39	0.57	0.09	0.07	0.30	0.28	0.02	0.44	0.10	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	6	0.31	0.23	0.05	0.29	0.00	0.11	0.73	0.33	0.37	0.30	0.53	0.46	0.32	0.52	0.11	0.09	0.25	0.26	0.05	0.48	0.15	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	7	0.25	0.23	0.06	0.30	0.00	0.11	0.68	0.22	0.31	0.24	0.53	0.40	0.26	0.47	0.14	0.12	0.23	0.19	0.07	0.55	0.10	0.23	0.12	0.00	0.02	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.09	0.10	0.04	0.09	0.17	0.05	0.09	0.06	1.00	1.00	1.00
2	14	8	0.14	0.20	0.07	0.29	0.00	0.10	0.65	0.12	0.20	0.13	0.45	0.20	0.15	0.27	0.17	0.14	0.21	0.14	0.08	0.53	0.05	0.20	0.10	0.11	0.29	0.38	0.28	0.31	0.17	0.22	0.26	0.27	0.49	0.57	0.39	0.51	0.50	0.52	0.51	0.42	0.55	0.35	0.11	1.00	1.00	1.00
2	14	9	0.14	0.17	0.07	0.16	0.00	0.14	0.62	0.01	0.20	0.13	0.43	0.10	0.15	0.17	0.16	0.14	0.16	0.11	0.09	0.45	0.06	0.17	0.07	0.40	0.60	0.61	0.58	0.71	0.57	0.60	0.51	0.57	0.82	0.85	0.63	0.82	0.76	0.79	0.81	0.62	0.78	0.54	0.28	1.00	1.00	1.00
2	14	10	0.24	0.14	0.03	0.07	0.00	0.09	0.63	0.00	0.29	0.23	0.58	0.15	0.25	0.22	0.15	0.13	0.16	0.12	0.11	0.41	0.09	0.14	0.04	0.64	0.81	0.70	0.79	0.87	0.72	0.80	0.75	0.81	0.94	1.00	0.97	0.99	0.87	0.96	0.99	0.70	0.89	0.71	0.16	1.00	1.00	1.00
2	14	11	0.36	0.14	0.02	0.05	0.00	0.07	0.64	0.00	0.41	0.35	0.58	0.27	0.36	0.34	0.18	0.16	0.15	0.16	0.14	0.45	0.13	0.14	0.04	0.79	0.92	0.77	0.90	0.90	0.88	0.90	0.83	0.99	0.92	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.96	0.84	0.10	1.00	1.00	1.00
2	14	12	0.41	0.12	0.01	0.03	0.00	0.06	0.66	0.00	0.46	0.40	0.60	0.35	0.42	0.41	0.22	0.19	0.16	0.19	0.19	0.60	0.15	0.12	0.03	0.88	0.97	0.80	0.95	0.93	0.94	0.94	0.87	1.00	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.74	0.98	0.86	0.13	1.00	1.00	1.00
2	14	13	0.41	0.09	0.01	0.02	0.00	0.07	0.67	0.01	0.46	0.40	0.63	0.40	0.42	0.46	0.27	0.25	0.18	0.24	0.24	0.70	0.13	0.09	0.01	0.89	0.96	0.82	0.95	0.86	0.95	0.92	0.74	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.72	0.97	0.79	0.50	1.00	1.00	1.00
2	14	14	0.38	0.13	0.02	0.02	0.00	0.06	0.71	0.04	0.43	0.37	0.70	0.48	0.39	0.53	0.34	0.32	0.21	0.28	0.23	0.81	0.23	0.13	0.04	0.85	0.94	0.79	0.92	0.60	0.86	0.92	0.83	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.76	0.93	0.67	0.34	1.00	1.00	1.00
2	14	15	0.33	0.16	0.03	0.04	0.00	0.06	0.76	0.07	0.38	0.32	0.71	0.66	0.34	0.70	0.43	0.41	0.26	0.27	0.21	0.84	0.27	0.16	0.06	0.71	0.81	0.81	0.80	0.25	0.62	0.80	0.70	0.98	1.00	1.00	1.00	1.00	0.97	0.97	1.00	0.66	0.94	0.80	0.48	1.00	1.00	1.00
2	14	16	0.36	0.19	0.03	0.07	0.00	0.08	0.78	0.22	0.41	0.35	0.69	0.71	0.37	0.75	0.51	0.50	0.31	0.31	0.15	0.82	0.20	0.19	0.09	0.53	0.65	0.69	0.64	0.11	0.44	0.58	0.63	0.83	0.89	0.92	0.88	0.85	0.82	0.84	0.85	0.63	0.83	0.67	0.44	1.00	1.00	1.00
2	14	17	0.47	0.22	0.03	0.11	0.00	0.09	0.77	0.42	0.51	0.46	0.58	0.62	0.47	0.66	0.55	0.53	0.41	0.36	0.09	0.80	0.15	0.22	0.11	0.25	0.37	0.35	0.36	0.11	0.25	0.30	0.43	0.48	0.48	0.60	0.54	0.48	0.47	0.51	0.48	0.29	0.50	0.31	0.14	1.00	1.00	1.00
2	14	18	0.48	0.22	0.05	0.17	0.02	0.06	0.76	0.56	0.52	0.47	0.56	0.56	0.48	0.61	0.57	0.56	0.57	0.39	0.05	0.78	0.14	0.22	0.11	0.01	0.03	0.02	0.03	0.01	0.03	0.03	0.08	0.11	0.06	0.08	0.03	0.03	0.03	0.05	0.03	0.00	0.05	0.00	0.00	1.00	1.00	1.00
2	14	19	0.41	0.18	0.03	0.17	0.08	0.04	0.75	0.60	0.46	0.40	0.53	0.45	0.42	0.51	0.70	0.69	0.66	0.31	0.03	0.79	0.25	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	20	0.30	0.16	0.04	0.12	0.08	0.03	0.74	0.58	0.36	0.29	0.50	0.30	0.31	0.36	0.80	0.79	0.71	0.23	0.03	0.72	0.39	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	21	0.16	0.16	0.09	0.13	0.05	0.08	0.69	0.47	0.22	0.15	0.45	0.28	0.17	0.35	0.83	0.83	0.69	0.16	0.04	0.68	0.36	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	22	0.08	0.19	0.16	0.15	0.02	0.13	0.71	0.36	0.14	0.07	0.46	0.25	0.09	0.32	0.84	0.83	0.68	0.09	0.05	0.68	0.31	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	23	0.02	0.15	0.24	0.15	0.02	0.14	0.74	0.28	0.07	0.01	0.45	0.20	0.03	0.28	0.84	0.84	0.68	0.05	0.08	0.66	0.27	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	14	24	0.00	0.09	0.33	0.14	0.03	0.16	0.76	0.24	0.03	0.00	0.37	0.16	0.00	0.23	0.84	0.83	0.65	0.02	0.11	0.65	0.21	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_C	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
2	15	1	0.00	0.07	0.39	0.13	0.03	0.11	0.75	0.23	0.01	0.00	0.32	0.22	0.00	0.29	0.83	0.82	0.71	0.01	0.14	0.60	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	2	0.00	0.07	0.43	0.14	0.01	0.07	0.74	0.21	0.02	0.00	0.28	0.27	0.00	0.35	0.82	0.82	0.72	0.01	0.21	0.56	0.19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	3	0.00	0.07	0.47	0.15	0.00	0.05	0.74	0.20	0.00	0.00	0.31	0.19	0.00	0.27	0.83	0.82	0.70	0.01	0.28	0.52	0.25	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	4	0.00	0.06	0.49	0.17	0.00	0.03	0.77	0.23	0.00	0.00	0.32	0.11	0.00	0.18	0.84	0.83	0.75	0.01	0.36	0.51	0.18	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	5	0.00	0.12	0.46	0.18	0.00	0.03	0.78	0.24	0.00	0.00	0.30	0.10	0.00	0.18	0.85	0.85	0.78	0.03	0.45	0.48	0.16	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	6	0.00	0.22	0.44	0.19	0.00	0.04	0.79	0.21	0.01	0.00	0.29	0.11	0.00	0.18	0.86	0.85	0.80	0.05	0.55	0.47	0.15	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	7	0.00	0.30	0.45	0.18	0.00	0.05	0.80	0.21	0.01	0.00	0.32	0.17	0.00	0.25	0.86	0.86	0.79	0.06	0.65	0.46	0.13	0.30	0.18	0.00	0.03	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.12	0.10	0.09	0.07	0.10	0.00	0.06	0.26	0.30	1.00	1.00	1.00
2	15	8	0.00	0.30	0.51	0.19	0.00	0.03	0.78	0.16	0.00	0.00	0.25	0.16	0.00	0.24	0.88	0.88	0.78	0.05	0.69	0.39	0.13	0.30	0.19	0.12	0.31	0.37	0.30	0.09	0.15	0.23	0.34	0.36	0.50	0.58	0.61	0.56	0.53	0.53	0.56	0.19	0.51	0.67	0.52	1.00	1.00	1.00
2	15	9	0.00	0.32	0.58	0.18	0.00	0.03	0.73	0.07	0.00	0.00	0.13	0.14	0.00	0.21	0.89	0.88	0.75	0.03	0.78	0.33	0.14	0.32	0.22	0.40	0.60	0.53	0.59	0.22	0.48	0.61	0.69	0.71	0.83	0.86	0.86	0.82	0.76	0.78	0.81	0.55	0.69	0.87	0.40	1.00	1.00	1.00
2	15	10	0.00	0.39	0.73	0.17	0.00	0.01	0.69	0.01	0.00	0.00	0.15	0.18	0.00	0.25	0.88	0.88	0.73	0.02	0.86	0.35	0.13	0.39	0.28	0.63	0.79	0.70	0.78	0.39	0.76	0.80	0.86	0.88	0.99	1.00	0.99	0.97	0.91	0.95	0.96	0.71	0.74	0.95	0.60	1.00	1.00	1.00
2	15	11	0.00	0.44	0.76	0.20	0.00	0.02	0.69	0.00	0.00	0.00	0.21	0.21	0.00	0.29	0.87	0.87	0.75	0.01	0.90	0.42	0.13	0.44	0.33	0.78	0.90	0.80	0.88	0.48	0.89	0.89	0.94	0.96	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.79	0.87	1.00	0.85	1.00	1.00	1.00
2	15	12	0.00	0.47	0.79	0.23	0.00	0.03	0.74	0.00	0.00	0.00	0.18	0.17	0.00	0.24	0.85	0.84	0.78	0.00	0.94	0.51	0.13	0.47	0.37	0.86	0.95	0.85	0.93	0.59	0.93	0.94	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88	0.89	1.00	0.92	1.00	1.00	1.00
2	15	13	0.00	0.50	0.87	0.21	0.00	0.06	0.80	0.00	0.00	0.00	0.21	0.15	0.00	0.23	0.83	0.82	0.83	0.00	0.95	0.64	0.11	0.50	0.41	0.87	0.95	0.84	0.93	0.55	0.92	0.94	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.84	0.84	1.00	1.00	1.00	1.00	1.00
2	15	14	0.00	0.51	0.94	0.18	0.00	0.12	0.84	0.00	0.00	0.00	0.27	0.16	0.00	0.23	0.82	0.81	0.86	0.00	0.97	0.73	0.12	0.51	0.42	0.83	0.92	0.78	0.91	0.49	0.90	0.92	0.89	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.91	0.75	1.00	0.99	1.00	1.00	1.00
2	15	15	0.00	0.52	0.94	0.16	0.00	0.15	0.83	0.02	0.00	0.00	0.29	0.18	0.00	0.25	0.81	0.81	0.87	0.00	0.97	0.75	0.11	0.52	0.42	0.74	0.85	0.74	0.83	0.54	0.75	0.86	0.82	0.97	1.00	1.00	1.00	0.99	0.88	0.97	0.98	0.80	0.64	0.96	0.87	1.00	1.00	1.00
2	15	16	0.00	0.53	0.91	0.14	0.00	0.19	0.81	0.09	0.04	0.00	0.34	0.18	0.00	0.26	0.79	0.79	0.88	0.00	0.96	0.74	0.09	0.53	0.44	0.57	0.70	0.63	0.69	0.44	0.69	0.70	0.74	0.85	0.73	0.90	0.87	0.83	0.75	0.83	0.83	0.71	0.51	0.81	0.75	1.00	1.00	1.00
2	15	17	0.00	0.57	0.90	0.14	0.00	0.22	0.78	0.16	0.05	0.00	0.37	0.17	0.01	0.25	0.77	0.76	0.89	0.00	0.97	0.69	0.10	0.57	0.48	0.28	0.41	0.28	0.40	0.30	0.42	0.35	0.51	0.56	0.51	0.60	0.53	0.45	0.41	0.48	0.45	0.30	0.39	0.30	0.25	1.00	1.00	1.00
2	15	18	0.00	0.55	0.90	0.18	0.00	0.40	0.79	0.25	0.04	0.00	0.45	0.21	0.00	0.28	0.77	0.76	0.90	0.00	0.98	0.68	0.14	0.55	0.46	0.01	0.05	0.02	0.05	0.05	0.09	0.05	0.10	0.15	0.08	0.09	0.04	0.03	0.03	0.05	0.03	0.05	0.04	0.00	0.00	1.00	1.00	1.00
2	15	19	0.02	0.52	0.94	0.19	0.00	0.53	0.80	0.28	0.08	0.02	0.57	0.22	0.03	0.30	0.77	0.76	0.90	0.00	0.96	0.58	0.17	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	20	0.07	0.53	0.93	0.18	0.00	0.23	0.75	0.29	0.12	0.06	0.60	0.25	0.07	0.32	0.78	0.78	0.92	0.00	0.88	0.50	0.19	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	21	0.16	0.52	0.89	0.19	0.00	0.17	0.73	0.39	0.22	0.15	0.57	0.28	0.17	0.35	0.80	0.79	0.93	0.00	0.78	0.46	0.18	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	22	0.19	0.53	0.88	0.21	0.00	0.34	0.74	0.51	0.25	0.19	0.53	0.30	0.20	0.37	0.80	0.79	0.93	0.01	0.69	0.43	0.16	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	23	0.20	0.53	0.90	0.26	0.00	0.56	0.75	0.44	0.26	0.19	0.50	0.32	0.21	0.38	0.80	0.79	0.90	0.03	0.65	0.43	0.15	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	15	24	0.18	0.57	0.90	0.30	0.00	0.34	0.64	0.31	0.24	0.18	0.47	0.40	0.19	0.46	0.82	0.81	0.88	0.05	0.63	0.44	0.17	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	1	0.18	0.72	0.88	0.37	0.00	0.17	0.49	0.20	0.24	0.17	0.48	0.46	0.19	0.52	0.80	0.79	0.87	0.09	0.59	0.40	0.17	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	2	0.13	0.89	0.88	0.42	0.00	0.09	0.36	0.16	0.19	0.12	0.42	0.47	0.14	0.52	0.76	0.75	0.86	0.12	0.54	0.45	0.20	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	3	0.07	0.97	0.86	0.47	0.00	0.05	0.30	0.12	0.12	0.06	0.38	0.39	0.08	0.45	0.70	0.69	0.84	0.12	0.53	0.47	0.21	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	4	0.03	0.96	0.86	0.53	0.01	0.11	0.24	0.12	0.09	0.02	0.40	0.34	0.04	0.40	0.65	0.64	0.81	0.12	0.53	0.45	0.15	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	5	0.05	0.95	0.89	0.51	0.07	0.16	0.24	0.10	0.10	0.04	0.46	0.36	0.06	0.43	0.62	0.60	0.77	0.13	0.52	0.47	0.14	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	6	0.05	0.98	0.87	0.49	0.17	0.16	0.26	0.11	0.11	0.04	0.52	0.38	0.06	0.44	0.55	0.53	0.74	0.12	0.53	0.53	0.12	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	16	7	0.06	0.97	0.82	0.49	0.27	0.19	0.32	0.14	0.12	0.05	0.54	0.32	0.07	0.39	0.48	0.46	0.75	0.09	0.51	0.52	0.12	0.97	0.96	0.00	0.04	0.19	0.04	0.00	0.00	0.00	0.01	0.00	0.02	0.04	0.18	0.14	0.16	0.07	0.13	0.19	0.07	0.28	0.52	1.00	1.00	1.00
2	16	8	0.07	0.96	0.79	0.47	0.29	0.26	0.35	0.14	0.13	0.07	0.49	0.29	0.08	0.36	0.43	0.41	0.76	0.04	0.54	0.46	0.10	0.96	0.95	0.12	0.32	0.56	0.31	0.16	0.21	0.22	0.33	0.34	0.51	0.57	0.60	0.58	0.56	0.52	0.57	0.55	0.46	0.67	0.82	1.00	1.00	1.00
2	16	9	0.05	0.94	0.70	0.34	0.13	0.15	0.37	0.07	0.11	0.04	0.42	0.21	0.06	0.28	0.37	0.35	0.72	0.01	0.61	0.46	0.07	0.94	0.93	0.40	0.60	0.77	0.59	0.39	0.59	0.55	0.61	0.66	0.81	0.83	0.83	0.83	0.81	0.77	0.83	0.76	0.70	0.87	0.98	1.00	1.00	1.00
2	16	10	0.05	0.96	0.57	0.21	0.02	0.12	0.39	0.04	0.11	0.04	0.50	0.19	0.06	0.27	0.29	0.27	0.75	0.02	0.48	0.47	0.07	0.96	0.95	0.63	0.79	0.89	0.78	0.65	0.76	0.76	0.81	0.81	0.93	0.98	0.97	0.97	0.94	0.92	0.96	0.89	0.81	0.97	1.00	1.00	1.00	1.00
2	16	11	0.07	0.97	0.54	0.20	0.00	0.16	0.45	0.05	0.13	0.06	0.65	0.22	0.08	0.30	0.29	0.27	0.74	0.05	0.27	0.46	0.07	0.97	0.97	0.77	0.89	0.88	0.88	0.62	0.88	0.79	0.93	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.84	1.00	1.00	1.00	1.00	1.00
2	16	12	0.12	0.98	0.55	0.25	0.01	0.21	0.50	0.08	0.18	0.11	0.72	0.25	0.13	0.32	0.32	0.30	0.70	0.10	0.29	0.45	0.07	0.98	0.98	0.86	0.96	0.96	0.94	0.73	0.92	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.81	1.00	1.00	1.00	1.00	1.00
2	16	13	0.18	0.99	0.56	0.33	0.06	0.23	0.58	0.11	0.24	0.17	0.77	0.27	0.19	0.34	0.34	0.32	0.66	0.20	0.38	0.53	0.07	0.99	0.98	0.88	0.96	0.95	0.94	0.75	0.92	0.93	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.75	1.00	1.00	1.00	1.00	1.00
2	16	14	0.28	0.97	0.56	0.42	0.15	0.19	0.69	0.13	0.33	0.27	0.80	0.31	0.29	0.38	0.36	0.34	0.64	0.25	0.57	0.59	0.06	0.97	0.96	0.84	0.93	0.88	0.91	0.81	0.81	0.91	0.87	0.97	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.84	0.69	1.00	1.00	1.00	1.00	1.00
2	16	15	0.35	0.94	0.54	0.46	0.14	0.24	0.73	0.13	0.40	0.34	0.80	0.26	0.36	0.33	0.35	0.33	0.60	0.27	0.74	0.68	0.05	0.94	0.93	0.75	0.86	0.76	0.85	0.86	0.80	0.85	0.82	0.84	1.00	0.99	0.98	0.96	0.90	0.94	0.95	0.75	0.58	0.94	1.00	1.00	1.00	1.00
2	16	16	0.27	0.95	0.48	0.46	0.12	0.30	0.74	0.13	0.32	0.26	0.68	0.23	0.28	0.30	0.34	0.32	0.50	0.21	0.90	0.74	0.05	0.95	0.94	0.58	0.71	0.59	0.70	0.72	0.72	0.72	0.70	0.61	0.90	0.88	0.84	0.81	0.79	0.82	0.80	0.57	0.62	0.81	0.82	1.00	1.00	1.00
2	16	17	0.21	0.94	0.50	0.51	0.23	0.21	0.73	0.13	0.27	0.20	0.59	0.21	0.22	0.28	0.27	0.24	0.34	0.17	0.95	0.72	0.06	0.94	0.93	0.27	0.40	0.29	0.39	0.50	0.38	0.40	0.47	0.28	0.57	0.56	0.49	0.49	0.43	0.47	0.48	0.18	0.39	0.40	0.29	1.00	1.00	1.00
2	16	18	0.21	0.94	0.60	0.61	0.57	0.10	0.78	0.17	0.27	0.20	0.52	0.23	0.22	0.30	0.25	0.23	0.27	0.15	0.94	0.73	0.07	0.94	0.93	0.01	0.05	0.01	0.05	0.13	0.10	0.08	0.10	0.05	0.12	0.08	0.04	0.04	0.04	0.05	0.04	0.01	0.05	0.01	0.00	1.00	1.00	1.00
2	16	19	0.22	0.97	0.64	0.61	0.85	0.35	0.82	0.23	0.27	0.21	0.63	0.31	0.23	0.38	0.28	0.26	0.27	0.19	0.92	0.73	0.11	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	20	0.39	0.93	0.60	0.56	0.95	0.38	0.82	0.31	0.44	0.38	0.68	0.39	0.40	0.45	0.32	0.30	0.24	0.29	0.90	0.70	0.37	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	21	0.46	0.85	0.53	0.55	0.98	0.62	0.67	0.44	0.51	0.46	0.71	0.44	0.47	0.50	0.33	0.31	0.27	0.30	0.89	0.67	0.50	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	22	0.40	0.70	0.54	0.55	0.98	0.12	0.43	0.58	0.44	0.39	0.74	0.44	0.41	0.49	0.33	0.31	0.25	0.29	0.88	0.68	0.38	0.70	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	23	0.41	0.69	0.54	0.53	0.95	0.28	0.26	0.62	0.45	0.40	0.75	0.45	0.41	0.51	0.35	0.32	0.24	0.23	0.88	0.64	0.38	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	16	24	0.39	0.71	0.50	0.55	0.93	0.24	0.14	0.57	0.44	0.39	0.70	0.41	0.40	0.47	0.32	0.30	0.22	0.19	0.89	0.60	0.39	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	1	0.40	0.57	0.45	0.56	0.88	0.21	0.07	0.48	0.44	0.39	0.68	0.41	0.40	0.46	0.28	0.26	0.20	0.11	0.87	0.54	0.34	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	2	0.38	0.29	0.45	0.60	0.77	0.16	0.04	0.45	0.43	0.37	0.67	0.52	0.39	0.58	0.33	0.31	0.21	0.06	0.87	0.59	0.22	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	3	0.43	0.21	0.43	0.63	0.65	0.11	0.04	0.43	0.47	0.42	0.64	0.55	0.43	0.60	0.37	0.35	0.22	0.05	0.91	0.58	0.17	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	4	0.37	0.28	0.38	0.64	0.59	0.13	0.08	0.37	0.42	0.36	0.57	0.53	0.38	0.58	0.38	0.36	0.25	0.05	0.91	0.55	0.17	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	5	0.26	0.29	0.33	0.65	0.52	0.10	0.15	0.35	0.31	0.25	0.57	0.53	0.27	0.58	0.44	0.43	0.25	0.04	0.93	0.48	0.19	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	6	0.20	0.18	0.27	0.65	0.42	0.08	0.20	0.28	0.25	0.19	0.63	0.55	0.21	0.60	0.47	0.45	0.24	0.02	0.96	0.50	0.22	0.17	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	17	7	0.27	0.17	0.24	0.63	0.54	0.08	0.21	0.28	0.32	0.26	0.64	0.56	0.28	0.61	0.49	0.47	0.19	0.04	0.96	0.51	0.24	0.17	0.06	0.00	0.04	0.19	0.04	0.00	0.00	0.00	0.01	0.00	0.02	0.04	0.23	0.16	0.14	0.08	0.16	0.24	0.10	0.28	0.42	1.00	1.00	1.00
2	17	8	0.21	0.10	0.20	0.57	0.58	0.06	0.21	0.31	0.27	0.20	0.61	0.56	0.22	0.60	0.51	0.49	0.14	0.05	0.94	0.46	0.21	0.10	0.02	0.13	0.34	0.61	0.33	0.34	0.21	0.24	0.37	0.37	0.51	0.58	0.61	0.57	0.55	0.54	0.57	0.61	0.58	0.66	0.80	1.00	1.00	1.00
2	17	9	0.13	0.11	0.19	0.49	0.43	0.04	0.21	0.25	0.19	0.12	0.58	0.55	0.14	0.60	0.52	0.50	0.12	0.02	0.93	0.39	0.20	0.11	0.02	0.43	0.64	0.85	0.63	0.69	0.59	0.60	0.69	0.69	0.82	0.84	0.84	0.82	0.79	0.80	0.81	0.81	0.80	0.86	0.96	1.00	1.00	1.00
2	17	10	0.11	0.10	0.20	0.35	0.14	0.01	0.18	0.21	0.16	0.10	0.62	0.56	0.12	0.61	0.48	0.47	0.11	0.01	0.96	0.35	0.22	0.10	0.01	0.66	0.83	0.99	0.81	0.86	0.78	0.79	0.84	0.86	0.99	0.99	0.98	0.95	0.95	0.91	0.94	0.94	0.91	0.97	1.00	1.00	1.00	1.00
2	17	11	0.18	0.08	0.19	0.28	0.02	0.00	0.19	0.28	0.23	0.17	0.62	0.53	0.19	0.58	0.48	0.46	0.07	0.01	0.98	0.29	0.22	0.08	0.01	0.81	0.93	1.00	0.92	0.97	0.85	0.89	0.94	0.96	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.97	0.94	1.00	1.00	1.00	1.00	1.00
2	17	12	0.23	0.08	0.16	0.24	0.00	0.00	0.20	0.41	0.29	0.22	0.50	0.48	0.24	0.53	0.51	0.49	0.03	0.03	0.99	0.22	0.24	0.08	0.00	0.88	0.97	1.00	0.96	0.99	0.91	0.93	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.96	0.94	1.00	1.00	1.00	1.00	1.00
2	17	13	0.22	0.07	0.16	0.19	0.00	0.00	0.17	0.48	0.27	0.21	0.36	0.44	0.23	0.50	0.54	0.52	0.01	0.02	0.99	0.13	0.25	0.07	0.00	0.89	0.97	1.00	0.96	0.96	0.91	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	0.95	0.90	1.00	1.00	1.00	1.00	1.00
2	17	14	0.22	0.07	0.18	0.16	0.00	0.00	0.12	0.48	0.28	0.22	0.23	0.36	0.23	0.43	0.55	0.54	0.02	0.03	0.99	0.13	0.24	0.07	0.00	0.85	0.95	1.00	0.93	0.98	0.90	0.91	0.94	0.98	1.00	1.00	1.00	1.00	0.98	0.83	1.00	0.96	0.94	0.96	1.00	1.00	1.00	1.00
2	17	15	0.23	0.07	0.18	0.16	0.00	0.00	0.07	0.46	0.29	0.22	0.14	0.29	0.24	0.36	0.55	0.54	0.02	0.04	0.97	0.14	0.22	0.07	0.00	0.74	0.85	0.96	0.83	0.89	0.84	0.84	0.88	0.87	1.00	0.95	0.96	0.96	0.87	0.66	0.95	0.92	0.89	0.87	1.00	1.00	1.00	1.00
2	17	16	0.24	0.10	0.18	0.16	0.00	0.00	0.00	0.37	0.29	0.23	0.11	0.27	0.24	0.34	0.54	0.53	0.05	0.05	0.93	0.15	0.22	0.10	0.01	0.54	0.67	0.79	0.65	0.71	0.69	0.71	0.76	0.70	0.81	0.84	0.81	0.81	0.56	0.51	0.81	0.81	0.81	0.71	0.79	1.00	1.00	1.00
2	17	17	0.20	0.14	0.18	0.16	0.00	0.00	0.00	0.24	0.26	0.19	0.10	0.29	0.21	0.36	0.57	0.56	0.09	0.07	0.93	0.21	0.27	0.14	0.04	0.25	0.37	0.36	0.36	0.41	0.35	0.46	0.50	0.38	0.38	0.50	0.50	0.53	0.27	0.34	0.52	0.22	0.54	0.35	0.27	1.00	1.00	1.00
2	17	18	0.23	0.18	0.17	0.23	0.00	0.00	0.00	0.20	0.28	0.22	0.11	0.34	0.24	0.41	0.62	0.61	0.14	0.07	0.96	0.24	0.29	0.18	0.08	0.01	0.05	0.04	0.05	0.10	0.07	0.12	0.11	0.09	0.06	0.08	0.04	0.05	0.01	0.02	0.05	0.06	0.07	0.01	0.00	1.00	1.00	1.00
2	17	19	0.20	0.20	0.18	0.27	0.00	0.00	0.00	0.16	0.26	0.19	0.11	0.37	0.21	0.44	0.67	0.66	0.20	0.05	0.98	0.27	0.34	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	20	0.11	0.22	0.28	0.26	0.00	0.02	0.00	0.09	0.16	0.10	0.09	0.41	0.11	0.47	0.73	0.72	0.29	0.02	0.98	0.33	0.37	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	21	0.03	0.24	0.55	0.22	0.00	0.02	0.00	0.04	0.09	0.03	0.07	0.45	0.04	0.51	0.80	0.79	0.42	0.02	0.97	0.36	0.36	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	22	0.00	0.25	0.68	0.24	0.02	0.01	0.00	0.00	0.02	0.00	0.05	0.48	0.00	0.54	0.86	0.85	0.68	0.04	0.97	0.28	0.37	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	23	0.00	0.27	0.81	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.06	0.46	0.00	0.52	0.86	0.86	0.74	0.06	0.95	0.18	0.35	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	17	24	0.00	0.31	0.86	0.25	0.40	0.00	0.00	0.00	0.00	0.00	0.07	0.41	0.00	0.48	0.78	0.77	0.74	0.10	0.93	0.17	0.29	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	1	0.00	0.43	0.85	0.21	0.55	0.00	0.01	0.00	0.00	0.00	0.07	0.32	0.00	0.39	0.70	0.69	0.70	0.15	0.93	0.16	0.25	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	2	0.00	0.51	0.86	0.21	0.60	0.00	0.04	0.00	0.00	0.00	0.04	0.18	0.00	0.25	0.67	0.66	0.72	0.22	0.93	0.17	0.21	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	3	0.00	0.54	0.83	0.23	0.64	0.03	0.09	0.00	0.00	0.00	0.04	0.09	0.00	0.16	0.63	0.62	0.74	0.24	0.92	0.16	0.16	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	4	0.00	0.62	0.74	0.27	0.64	0.06	0.10	0.00	0.00	0.00	0.01	0.03	0.00	0.09	0.57	0.56	0.79	0.22	0.85	0.17	0.13	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	5	0.00	0.65	0.71	0.33	0.59	0.13	0.13	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.59	0.57	0.82	0.21	0.80	0.15	0.14	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	6	0.00	0.66	0.68	0.29	0.47	0.24	0.15	0.00	0.05	0.00	0.00	0.01	0.01	0.06	0.58	0.56	0.83	0.27	0.79	0.14	0.14	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	18	7	0.01	0.64	0.65	0.31	0.26	0.34	0.18	0.00	0.06	0.00	0.00	0.11	0.02	0.19	0.59	0.57	0.78	0.35	0.80	0.11	0.17	0.64	0.56	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.01	0.02	0.10	0.04	0.01	0.35	1.00	1.00	1.00
2	18	8	0.01	0.57	0.75	0.32	0.11	0.31	0.27	0.00	0.06	0.00	0.00	0.20	0.02	0.28	0.60	0.58	0.69	0.40	0.73	0.07	0.15	0.57	0.49	0.04	0.12	0.25	0.12	0.15	0.15	0.18	0.08	0.08	0.18	0.29	0.18	0.30	0.03	0.18	0.30	0.33	0.23	0.12	0.61	1.00	1.00	1.00
2	18	9	0.01	0.60	0.80	0.22	0.02	0.18	0.32	0.00	0.06	0.00	0.00	0.15	0.02	0.22	0.63	0.62	0.55	0.36	0.70	0.04	0.12	0.60	0.52	0.18	0.27	0.43	0.26	0.32	0.50	0.36	0.14	0.12	0.19	0.42	0.53	0.24	0.23	0.35	0.24	0.40	0.50	0.23	0.80	1.00	1.00	1.00
2	18	10	0.09	0.62	0.86	0.20	0.00	0.13	0.37	0.00	0.15	0.08	0.04	0.15	0.10	0.22	0.70	0.69	0.40	0.32	0.72	0.06	0.13	0.62	0.54	0.29	0.37	0.49	0.36	0.37	0.70	0.35	0.16	0.15	0.22	0.45	0.45	0.42	0.42	0.68	0.42	0.36	0.66	0.30	0.97	1.00	1.00	1.00
2	18	11	0.21	0.59	0.94	0.28	0.00	0.14	0.42	0.00	0.27	0.20	0.11	0.23	0.22	0.30	0.71	0.70	0.32	0.40	0.80	0.13	0.17	0.59	0.51	0.46	0.54	0.60	0.53	0.55	0.79	0.41	0.20	0.30	0.29	0.55	0.90	0.61	0.79	0.82	0.61	0.64	0.69	0.39	1.00	1.00	1.00	1.00
2	18	12	0.27	0.55	0.97	0.32	0.00	0.13	0.48	0.03	0.32	0.26	0.24	0.28	0.28	0.35	0.71	0.70	0.31	0.52	0.87	0.22	0.21	0.55	0.47	0.54	0.61	0.54	0.60	0.50	0.84	0.65	0.19	0.42	0.34	0.59	0.93	0.80	0.70	0.94	0.80	0.71	0.57	0.46	0.76	1.00	1.00	1.00
2	18	13	0.35	0.58	0.98	0.40	0.00	0.15	0.53	0.15	0.40	0.34	0.39	0.33	0.36	0.39	0.70	0.69	0.33	0.67	0.90	0.32	0.24	0.58	0.50	0.57	0.62	0.54	0.61	0.56	0.91	0.82	0.23	0.35	0.47	0.50	0.92	0.75	0.72	0.82	0.75	0.80	0.49	0.57	0.68	1.00	1.00	1.00
2	18	14	0.47	0.63	0.99	0.46	0.00	0.14	0.57	0.29	0.51	0.46	0.44	0.44	0.47	0.49	0.72	0.71	0.48	0.78	0.92	0.37	0.32	0.63	0.56	0.51	0.57	0.51	0.56	0.60	0.89	0.87	0.25	0.20	0.64	0.36	0.58	0.60	0.59	0.89	0.59	0.66	0.47	0.53	0.76	1.00	1.00	1.00
2	18	15	0.65	0.69	0.99	0.49	0.00	0.13	0.60	0.42	0.68	0.65	0.49	0.54	0.66	0.59	0.73	0.72	0.60	0.85	0.86	0.42	0.36	0.69	0.63	0.46	0.53	0.44	0.52	0.64	0.85	0.82	0.25	0.16	0.48	0.55	0.67	0.33	0.63	0.72	0.33	0.44	0.35	0.57	0.69	1.00	1.00	1.00
2	18	16	0.82	0.68	0.99	0.51	0.00	0.16	0.64	0.50	0.84	0.82	0.60	0.59	0.82	0.63	0.71	0.70	0.59	0.84	0.83	0.45	0.33	0.68	0.61	0.38	0.47	0.34	0.46	0.65	0.66	0.70	0.20	0.17	0.55	0.58	0.56	0.22	0.59	0.68	0.21	0.43	0.24	0.51	0.44	1.00	1.00	1.00
2	18	17	0.93	0.69	0.98	0.52	0.01	0.21	0.65	0.52	0.94	0.93	0.64	0.59	0.93	0.63	0.68	0.67	0.56	0.88	0.85	0.45	0.40	0.69	0.62	0.20	0.29	0.15	0.28	0.50	0.45	0.42	0.11	0.16	0.23	0.33	0.44	0.27	0.37	0.35	0.27	0.15	0.19	0.24	0.12	1.00	1.00	1.00
2	18	18	0.90	0.67	0.99	0.71	0.06	0.54	0.67	0.42	0.91	0.90	0.70	0.64	0.90	0.69	0.67	0.66	0.41	0.85	0.83	0.41	0.52	0.67	0.60	0.01	0.04	0.01	0.04	0.14	0.12	0.11	0.01	0.03	0.02	0.05	0.03	0.02	0.03	0.03	0.02	0.04	0.01	0.01	0.00	1.00	1.00	1.00
2	18	19	0.90	0.68	0.98	0.76	0.15	0.86	0.66	0.35	0.91	0.90	0.83	0.65	0.90	0.69	0.66	0.65	0.42	0.81	0.84	0.43	0.57	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	20	0.81	0.76	0.96	0.78	0.22	0.82	0.61	0.41	0.83	0.81	0.92	0.64	0.82	0.68	0.66	0.65	0.61	0.77	0.86	0.49	0.53	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	21	0.72	0.75	0.97	0.80	0.38	0.89	0.59	0.41	0.75	0.72	0.90	0.63	0.73	0.67	0.68	0.66	0.72	0.76	0.87	0.58	0.49	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	22	0.67	0.73	0.99	0.79	0.49	0.86	0.57	0.44	0.70	0.67	0.92	0.65	0.68	0.69	0.63	0.61	0.76	0.72	0.87	0.55	0.46	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	23	0.71	0.73	0.98	0.79	0.55	0.89	0.55	0.49	0.73	0.70	0.92	0.70	0.71	0.74	0.57	0.56	0.64	0.65	0.87	0.56	0.44	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	18	24	0.69	0.72	0.95	0.80	0.56	0.95	0.54	0.46	0.72	0.69	0.95	0.67	0.70	0.70	0.55	0.53	0.59	0.58	0.83	0.58	0.42	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	1	0.62	0.71	0.89	0.78	0.62	0.99	0.57	0.41	0.65	0.61	0.94	0.68	0.62	0.72	0.51	0.49	0.50	0.56	0.70	0.59	0.39	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	2	0.53	0.70	0.87	0.75	0.70	0.95	0.53	0.32	0.57	0.52	0.90	0.69	0.54	0.73	0.52	0.50	0.44	0.50	0.62	0.58	0.28	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	3	0.38	0.71	0.88	0.71	0.76	0.93	0.52	0.31	0.42	0.37	0.88	0.72	0.39	0.75	0.50	0.48	0.39	0.38	0.54	0.68	0.29	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	4	0.37	0.68	0.86	0.68	0.74	0.92	0.47	0.39	0.41	0.36	0.84	0.67	0.38	0.71	0.49	0.47	0.32	0.41	0.51	0.68	0.29	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	5	0.49	0.66	0.83	0.67	0.72	0.95	0.50	0.46	0.53	0.48	0.68	0.57	0.50	0.62	0.50	0.48	0.27	0.52	0.51	0.70	0.30	0.66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	6	0.57	0.67	0.77	0.65	0.71	0.97	0.59	0.55	0.61	0.56	0.59	0.45	0.58	0.51	0.51	0.50	0.25	0.57	0.51	0.72	0.31	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	19	7	0.50	0.71	0.72	0.64	0.77	0.99	0.60	0.52	0.55	0.50	0.59	0.39	0.51	0.44	0.54	0.53	0.23	0.49	0.48	0.67	0.30	0.71	0.65	0.00	0.01	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.02	0.03	0.02	0.04	0.15	0.36	1.00	1.00	1.00
2	19	8	0.29	0.82	0.69	0.60	0.82	0.98	0.61	0.33	0.33	0.27	0.57	0.50	0.29	0.56	0.59	0.58	0.21	0.33	0.50	0.61	0.32	0.83	0.78	0.05	0.15	0.31	0.14	0.35	0.24	0.27	0.24	0.26	0.00	0.04	0.22	0.01	0.34	0.18	0.01	0.01	0.25	0.23	0.68	1.00	1.00	1.00
2	19	9	0.42	0.89	0.60	0.55	0.79	0.90	0.62	0.23	0.47	0.41	0.54	0.50	0.42	0.55	0.57	0.55	0.17	0.38	0.52	0.56	0.37	0.89	0.86	0.22	0.34	0.44	0.33	0.75	0.62	0.63	0.46	0.59	0.01	0.01	0.01	0.15	0.70	0.41	0.15	0.08	0.33	0.22	0.98	1.00	1.00	1.00
2	19	10	0.47	0.96	0.48	0.52	0.78	0.86	0.63	0.17	0.52	0.47	0.50	0.54	0.48	0.59	0.56	0.54	0.14	0.36	0.52	0.73	0.45	0.96	0.94	0.38	0.49	0.51	0.48	0.94	0.81	0.82	0.58	0.86	0.01	0.09	0.16	0.27	0.89	0.39	0.27	0.08	0.39	0.28	1.00	1.00	1.00	1.00
2	19	11	0.50	0.89	0.49	0.52	0.78	0.77	0.72	0.14	0.55	0.50	0.53	0.57	0.51	0.62	0.57	0.55	0.11	0.42	0.52	0.81	0.53	0.89	0.87	0.46	0.54	0.58	0.53	1.00	0.91	0.91	0.55	0.96	0.02	0.10	0.22	0.41	0.69	0.40	0.40	0.08	0.43	0.48	1.00	1.00	1.00	1.00
2	19	12	0.43	0.79	0.65	0.50	0.67	0.64	0.75	0.13	0.47	0.42	0.51	0.61	0.43	0.66	0.58	0.57	0.09	0.50	0.50	0.80	0.53	0.79	0.75	0.55	0.61	0.57	0.60	1.00	0.93	0.95	0.60	0.95	0.23	0.32	0.31	0.35	0.66	0.53	0.35	0.10	0.52	0.47	1.00	1.00	1.00	1.00
2	19	13	0.38	0.79	0.70	0.44	0.51	0.58	0.76	0.10	0.43	0.37	0.44	0.62	0.39	0.66	0.62	0.60	0.10	0.48	0.48	0.70	0.55	0.79	0.75	0.58	0.63	0.60	0.62	1.00	0.95	0.95	0.54	1.00	0.76	0.39	0.03	0.42	0.57	0.43	0.42	0.13	0.60	0.48	0.88	1.00	1.00	1.00
2	19	14	0.33	0.91	0.71	0.35	0.36	0.44	0.79	0.09	0.38	0.32	0.34	0.65	0.34	0.69	0.65	0.64	0.13	0.42	0.45	0.64	0.50	0.91	0.88	0.52	0.57	0.61	0.56	1.00	0.93	0.94	0.49	0.98	0.47	0.31	0.03	0.30	0.64	0.30	0.30	0.22	0.63	0.38	0.85	1.00	1.00	1.00
2	19	15	0.25	0.99	0.76	0.30	0.21	0.33	0.80	0.02	0.31	0.24	0.45	0.66	0.26	0.70	0.68	0.66	0.17	0.33	0.37	0.62	0.55	0.99	0.98	0.52	0.60	0.66	0.58	0.96	0.87	0.88	0.54	0.93	0.81	0.23	0.06	0.42	0.62	0.52	0.42	0.28	0.70	0.43	0.82	1.00	1.00	1.00
2	19	16	0.15	0.94	0.82	0.22	0.05	0.26	0.80	0.00	0.20	0.14	0.51	0.68	0.16	0.72	0.70	0.69	0.24	0.20	0.29	0.61	0.43	0.94	0.92	0.41	0.51	0.56	0.50	0.82	0.75	0.76	0.47	0.83	0.64	0.46	0.35	0.16	0.32	0.48	0.16	0.27	0.60	0.35	0.62	1.00	1.00	1.00
2	19	17	0.09	0.85	0.81	0.16	0.00	0.23	0.78	0.06	0.15	0.08	0.56	0.72	0.10	0.75	0.76	0.75	0.32	0.07	0.28	0.43	0.45	0.85	0.82	0.24	0.35	0.33	0.34	0.57	0.48	0.48	0.40	0.54	0.53	0.33	0.22	0.27	0.29	0.29	0.27	0.25	0.49	0.20	0.21	1.00	1.00	1.00
2	19	18	0.12	0.73	0.75	0.22	0.00	0.26	0.75	0.26	0.18	0.11	0.55	0.77	0.13	0.80	0.80	0.79	0.47	0.07	0.26	0.28	0.46	0.73	0.68	0.01	0.06	0.03	0.06	0.16	0.14	0.13	0.08	0.16	0.10	0.06	0.01	0.02	0.02	0.02	0.02	0.03	0.06	0.01	0.00	1.00	1.00	1.00
2	19	19	0.14	0.64	0.75	0.21	0.00	0.15	0.70	0.37	0.20	0.13	0.57	0.75	0.15	0.78	0.77	0.76	0.62	0.07	0.28	0.23	0.57	0.64	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	20	0.20	0.74	0.78	0.18	0.00	0.08	0.66	0.39	0.26	0.19	0.56	0.73	0.21	0.76	0.75	0.74	0.72	0.07	0.48	0.21	0.55	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	21	0.26	0.81	0.80	0.14	0.00	0.12	0.64	0.37	0.32	0.25	0.55	0.63	0.27	0.67	0.72	0.71	0.79	0.07	0.69	0.21	0.39	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	22	0.15	0.91	0.79	0.12	0.02	0.20	0.58	0.31	0.21	0.15	0.46	0.63	0.16	0.67	0.74	0.73	0.80	0.05	0.85	0.17	0.38	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	23	0.10	0.90	0.81	0.17	0.16	0.06	0.51	0.22	0.16	0.10	0.40	0.64	0.11	0.68	0.71	0.70	0.85	0.03	0.94	0.13	0.44	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	19	24	0.04	0.88	0.78	0.24	0.39	0.05	0.47	0.14	0.10	0.03	0.30	0.69	0.05	0.72	0.66	0.65	0.86	0.02	0.96	0.09	0.44	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	1	0.00	0.85	0.74	0.30	0.54	0.04	0.43	0.07	0.03	0.00	0.24	0.69	0.00	0.73	0.64	0.62	0.86	0.02	0.98	0.06	0.43	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	2	0.00	0.81	0.77	0.35	0.60	0.01	0.43	0.02	0.00	0.00	0.18	0.54	0.00	0.58	0.66	0.64	0.82	0.01	0.98	0.08	0.40	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	3	0.00	0.83	0.81	0.40	0.61	0.00	0.43	0.00	0.00	0.00	0.15	0.48	0.00	0.53	0.61	0.60	0.83	0.01	0.97	0.08	0.43	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	4	0.00	0.87	0.87	0.48	0.63	0.00	0.39	0.00	0.00	0.00	0.14	0.41	0.00	0.47	0.60	0.59	0.87	0.00	0.96	0.04	0.45	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	5	0.00	0.88	0.94	0.52	0.63	0.00	0.30	0.00	0.00	0.00	0.19	0.42	0.00	0.48	0.63	0.62	0.90	0.00	0.94	0.00	0.46	0.88	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	6	0.00	0.91	0.97	0.51	0.54	0.03	0.23	0.00	0.00	0.00	0.22	0.38	0.00	0.44	0.67	0.66	0.92	0.01	0.93	0.00	0.44	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	20	7	0.00	0.91	0.96	0.54	0.46	0.09	0.16	0.00	0.00	0.00	0.18	0.33	0.00	0.40	0.73	0.72	0.92	0.03	0.89	0.00	0.40	0.91	0.90	0.00	0.05	0.19	0.05	0.00	0.00	0.00	0.01	0.01	0.03	0.13	0.23	0.19	0.14	0.09	0.19	0.18	0.17	0.23	0.47	1.00	1.00	1.00
2	20	8	0.00	0.95	0.94	0.50	0.39	0.09	0.09	0.00	0.00	0.00	0.09	0.16	0.00	0.23	0.82	0.81	0.93	0.04	0.84	0.00	0.29	0.95	0.93	0.13	0.35	0.58	0.34	0.25	0.17	0.29	0.41	0.36	0.56	0.57	0.64	0.62	0.58	0.58	0.62	0.53	0.58	0.57	0.78	1.00	1.00	1.00
2	20	9	0.00	0.97	0.97	0.41	0.35	0.06	0.06	0.00	0.01	0.00	0.01	0.01	0.00	0.06	0.89	0.89	0.94	0.03	0.84	0.00	0.23	0.97	0.96	0.42	0.63	0.80	0.62	0.45	0.48	0.63	0.71	0.66	0.87	0.87	0.88	0.87	0.81	0.82	0.86	0.58	0.77	0.82	0.99	1.00	1.00	1.00
2	20	10	0.00	0.99	0.95	0.47	0.35	0.01	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.90	0.90	0.91	0.03	0.85	0.00	0.19	0.99	0.99	0.64	0.80	0.91	0.78	0.55	0.52	0.80	0.89	0.90	1.00	0.97	1.00	1.00	0.96	0.97	1.00	0.72	0.91	0.89	0.98	1.00	1.00	1.00
2	20	11	0.01	1.00	0.93	0.54	0.38	0.01	0.04	0.00	0.06	0.00	0.00	0.00	0.02	0.03	0.92	0.92	0.90	0.06	0.85	0.00	0.18	1.00	1.00	0.76	0.88	0.91	0.86	0.52	0.69	0.90	0.94	1.00	0.94	0.97	1.00	1.00	1.00	0.99	1.00	0.67	0.95	0.93	0.92	1.00	1.00	1.00
2	20	12	0.05	0.99	0.95	0.61	0.33	0.00	0.04	0.00	0.11	0.05	0.00	0.00	0.06	0.02	0.88	0.87	0.93	0.13	0.88	0.00	0.16	0.99	0.98	0.81	0.89	0.94	0.87	0.39	0.65	0.93	0.96	1.00	0.95	0.96	1.00	1.00	1.00	1.00	1.00	0.67	0.96	0.89	1.00	1.00	1.00	1.00
2	20	13	0.12	0.96	0.96	0.64	0.28	0.00	0.04	0.04	0.18	0.11	0.00	0.00	0.13	0.01	0.77	0.76	0.96	0.23	0.91	0.00	0.16	0.96	0.95	0.84	0.91	0.94	0.89	0.34	0.60	0.91	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.85	0.92	1.00	1.00	1.00
2	20	14	0.18	0.97	0.93	0.71	0.28	0.00	0.05	0.11	0.24	0.17	0.00	0.00	0.19	0.01	0.79	0.78	0.94	0.39	0.93	0.01	0.17	0.97	0.97	0.80	0.89	0.98	0.87	0.33	0.47	0.91	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.96	0.83	1.00	1.00	1.00	1.00
2	20	15	0.21	0.97	0.90	0.79	0.28	0.00	0.05	0.21	0.27	0.20	0.00	0.00	0.22	0.01	0.88	0.87	0.93	0.53	0.93	0.01	0.18	0.97	0.96	0.72	0.82	0.96	0.81	0.26	0.49	0.86	0.91	0.99	1.00	1.00	1.00	1.00	0.98	0.98	1.00	0.93	0.94	0.83	1.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind: CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
2	20	16	0.30	0.95	0.93	0.78	0.25	0.00	0.06	0.33	0.35	0.29	0.00	0.00
2	20	17	0.40	0.94	0.81	0.73	0.26	0.01	0.09	0.43	0.45	0.39	0.00	0.00
2	20	18	0.46	0.95	0.84	0.76	0.38	0.09	0.14	0.47	0.51	0.46	0.01	0.00
2	20	19	0.46	0.96	0.87	0.71	0.41	0.67	0.15	0.42	0.51	0.46	0.00	0.00
2	20	20	0.46	0.95	0.75	0.71	0.32	0.77	0.14	0.37	0.51	0.46	0.00	0.00
2	20	21	0.45	0.95	0.67	0.72	0.29	0.72	0.11	0.34	0.50	0.45	0.00	0.00
2	20	22	0.42	0.93	0.71	0.70	0.26	0.64	0.09	0.32	0.46	0.41	0.00	0.00
2	20	23	0.38	0.92	0.79	0.70	0.20	0.46	0.09	0.28	0.43	0.37	0.00	0.00
2	20	24	0.35	0.85	0.72	0.70	0.19	0.32	0.07	0.26	0.40	0.34	0.00	0.00
2	21	1	0.29	0.77	0.69	0.69	0.18	0.20	0.05	0.22	0.34	0.28	0.00	0.00
2	21	2	0.25	0.69	0.60	0.72	0.07	0.12	0.04	0.19	0.30	0.24	0.00	0.00
2	21	3	0.23	0.66	0.51	0.74	0.01	0.08	0.02	0.15	0.29	0.22	0.00	0.00
2	21	4	0.24	0.63	0.39	0.75	0.00	0.05	0.01	0.11	0.29	0.23	0.00	0.00
2	21	5	0.22	0.61	0.33	0.76	0.00	0.03	0.00	0.07	0.28	0.22	0.00	0.00
2	21	6	0.23	0.60	0.31	0.77	0.00	0.03	0.00	0.02	0.29	0.22	0.00	0.00
2	21	7	0.21	0.61	0.26	0.78	0.00	0.03	0.00	0.00	0.27	0.21	0.00	0.00
2	21	8	0.20	0.63	0.22	0.75	0.00	0.02	0.00	0.00	0.25	0.19	0.00	0.00
2	21	9	0.18	0.65	0.20	0.69	0.00	0.00	0.00	0.00	0.24	0.17	0.00	0.00
2	21	10	0.17	0.67	0.16	0.74	0.00	0.00	0.00	0.00	0.23	0.16	0.00	0.00
2	21	11	0.16	0.69	0.18	0.83	0.00	0.00	0.00	0.00	0.21	0.15	0.00	0.00
2	21	12	0.15	0.66	0.18	0.86	0.00	0.03	0.00	0.00	0.21	0.15	0.00	0.00
2	21	13	0.16	0.65	0.20	0.87	0.00	0.04	0.00	0.00	0.22	0.15	0.00	0.00
2	21	14	0.14	0.62	0.22	0.89	0.03	0.05	0.00	0.00	0.20	0.13	0.00	0.00
2	21	15	0.13	0.60	0.22	0.90	0.10	0.04	0.00	0.01	0.18	0.12	0.00	0.00
2	21	16	0.17	0.62	0.21	0.90	0.18	0.03	0.00	0.07	0.22	0.16	0.00	0.00
2	21	17	0.20	0.75	0.22	0.86	0.31	0.01	0.01	0.15	0.26	0.19	0.00	0.00
2	21	18	0.23	0.73	0.22	0.85	0.43	0.34	0.03	0.22	0.29	0.22	0.00	0.00
2	21	19	0.27	0.70	0.23	0.84	0.39	0.86	0.03	0.23	0.32	0.26	0.00	0.00
2	21	20	0.26	0.67	0.25	0.83	0.33	0.69	0.03	0.18	0.32	0.25	0.01	0.00
2	21	21	0.17	0.65	0.17	0.81	0.46	0.30	0.03	0.23	0.23	0.16	0.04	0.00
2	21	22	0.16	0.62	0.11	0.84	0.48	0.27	0.04	0.40	0.22	0.15	0.08	0.04
2	21	23	0.18	0.60	0.07	0.87	0.45	0.19	0.06	0.56	0.23	0.17	0.11	0.13
2	21	24	0.25	0.58	0.07	0.89	0.49	0.60	0.08	0.64	0.30	0.24	0.13	0.21
2	22	1	0.26	0.56	0.07	0.90	0.49	0.83	0.10	0.71	0.32	0.26	0.13	0.17
2	22	2	0.26	0.55	0.04	0.91	0.50	0.74	0.13	0.73	0.32	0.26	0.15	0.18
2	22	3	0.25	0.53	0.03	0.93	0.50	0.38	0.19	0.69	0.30	0.24	0.16	0.19
2	22	4	0.24	0.47	0.03	0.89	0.46	0.30	0.25	0.65	0.29	0.23	0.18	0.22
2	22	5	0.25	0.41	0.03	0.77	0.26	0.54	0.32	0.64	0.30	0.24	0.21	0.26
2	22	6	0.32	0.36	0.03	0.68	0.07	0.78	0.40	0.60	0.37	0.31	0.26	0.31
2	22	7	0.45	0.32	0.04	0.66	0.02	0.69	0.43	0.54	0.49	0.44	0.32	0.28
2	22	8	0.58	0.28	0.06	0.66	0.06	0.94	0.63	0.53	0.61	0.57	0.39	0.29
2	22	9	0.69	0.24	0.04	0.65	0.03	1.00	0.72	0.57	0.71	0.68	0.51	0.32
2	22	10	0.80	0.27	0.02	0.67	0.02	0.66	0.73	0.61	0.82	0.80	0.60	0.32
2	22	11	0.93	0.32	0.01	0.71	0.12	0.11	0.62	0.67	0.94	0.93	0.63	0.37
2	22	12	0.95	0.36	0.02	0.70	0.29	0.01	0.37	0.74	0.95	0.95	0.64	0.45
2	22	13	0.99	0.36	0.02	0.71	0.26	0.01	0.20	0.80	0.99	0.99	0.64	0.53
2	22	14	1.00	0.36	0.06	0.78	0.35	0.02	0.11	0.80	1.00	1.00	0.68	0.58
2	22	15	1.00	0.36	0.11	0.77	0.51	0.15	0.18	0.81	1.00	1.00	0.74	0.61
2	22	16	1.00	0.38	0.15	0.74	0.53	0.57	0.22	0.84	1.00	1.00	0.80	0.67
2	22	17	0.97	0.46	0.24	0.70	0.44	0.60	0.23	0.73	0.97	0.97	0.92	0.81
2	22	18	0.87	0.50	0.43	0.65	0.45	0.48	0.25	0.63	0.88	0.87	0.92	0.90
2	22	19	0.82	0.48	0.51	0.51	0.41	0.61	0.33	0.60	0.84	0.82	0.92	0.92
2	22	20	0.77	0.55	0.47	0.45	0.36	0.73	0.37	0.62	0.79	0.77	0.94	0.89
2	22	21	0.82	0.63	0.50	0.46	0.23	0.75	0.35	0.67	0.84	0.82	0.92	0.88
2	22	22	0.86	0.77	0.50	0.44	0.13	0.78	0.35	0.68	0.87	0.86	0.92	0.83
2	22	23	0.85	0.73	0.41	0.44	0.05	0.52	0.44	0.65	0.87	0.85	0.92	0.75
2	22	24	0.77	0.62	0.41	0.44	0.01	0.47	0.42	0.59	0.79	0.76	0.85	0.70
2	23	1	0.70	0.56	0.48	0.44	0.05	0.47	0.37	0.57	0.72	0.69	0.88	0.68
2	23	2	0.63	0.55	0.48	0.39	0.21	0.31	0.43	0.58	0.66	0.63	0.78	0.76
2	23	3	0.68	0.53	0.45	0.39	0.37	0.15	0.53	0.53	0.71	0.68	0.90	0.76
2	23	4	0.80	0.49	0.43	0.39	0.48	0.19	0.65	0.54	0.82	0.80	0.92	0.76
2	23	5	0.81	0.52	0.42	0.30	0.55	0.24	0.75	0.62	0.83	0.81	0.81	0.73
2	23	6	0.71	0.62	0.42	0.23	0.53	0.30	0.82	0.70	0.74	0.71	0.72	0.80
2	23	7	0.55	0.73	0.50	0.19	0.43	0.32	0.83	0.67	0.58	0.54	0.74	0.74
2	23	8	0.54	0.86	0.48	0.17	0.22	0.16	0.82	0.66	0.58	0.53	0.72	0.50
2	23	9	0.65	0.93	0.37	0.13	0.04	0.06	0.82	0.72	0.68	0.64	0.76	0.64
2	23	10	0.82	0.96	0.41	0.12	0.00	0.10	0.80	0.79	0.83	0.81	0.79	0.91
2	23	11	0.90	0.99	0.57	0.13	0.00	0.15	0.79	0.84	0.91	0.90	0.81	0.98
2	23	12	0.94	1.00	0.67	0.16	0.00	0.19	0.80	0.85	0.94	0.94	0.85	0.99
2	23	13	0.87	1.00	0.68	0.17	0.00	0.37	0.80	0.87	0.88	0.86	0.89	0.99
2	23	14	0.81	1.00	0.68	0.19	0.00	0.45	0.83	0.86	0.82	0.80	0.96	0.96
2	23	15	0.80	1.00	0.54	0.21	0.00	0.42	0.86	0.88	0.82	0.80	0.95	0.93
2	23	16	0.76	1.00	0.49	0.19	0.00	0.45	0.88	0.89	0.78	0.76	0.92	0.90
2	23	17	0.76	0.99	0.36	0.19	0.06	0.41	0.89	0.86	0.78	0.75	0.88	0.86
2	23	18	0.77	0.98	0.31	0.25	0.24	0.48	0.89	0.85	0.79	0.77	0.84	0.79
2	23	19	0.75	0.99	0.23	0.28	0.42	0.61	0.92	0.87	0.77	0.74	0.86	0.74
2	23	20	0.71	0.97	0.16	0.29	0.40	0.46	0.93	0.84	0.74	0.71	0.79	0.61
2	23	21	0.75	1.00	0.22	0.31	0.26	0.51	0.92	0.82	0.77	0.75	0.68	0.53
2	23	22	0.67	1.00	0.26	0.33	0.17	0.44	0.88	0.83	0.69	0.66	0.51	0.51
2	23	23	0.62	1.00	0.24	0.34	0.10	0.32	0.83	0.81	0.66	0.62	0.46	0.47
2	23	24	0.49	1.00	0.20	0.34	0.03	0.20	0.78	0.74	0.53	0.48	0.42	0.31
2	24	1	0.39	1.00	0.21	0.32	0.00	0.12	0.73	0.62	0.44	0.38	0.38	0.14
2	24	2	0.28	1.00	0.20	0.29	0.00	0.08	0.71	0.49	0.33	0.27	0.37	0.11
2	24	3	0.12	1.00	0.20	0.31	0.00	0.12	0.70	0.37	0.17	0.11	0.40	0.16
2	24	4	0.02	0.91	0.19	0.30	0.00	0.08	0.69	0.24	0.07	0.01	0.43	0.25
2	24	5	0.00	0.59	0.21	0.30	0.00	0.04	0.69	0.10	0.03	0.00	0.44	0.28
2	24	6	0.00	0.57	0.23	0.31	0.00	0.00	0.68	0.02	0.01	0.00	0.46	0.28
2	24	7	0.00	0.60	0.22	0.37	0.00	0.00	0.66	0.00	0.03	0.00	0.45	0.29
2	24	8	0.00	0.67	0.17	0.38	0.00	0.00	0.57	0.00	0.01	0.00	0.35	0.26
2	24	9	0.00	0.76	0.09	0.32	0.00	0.00	0.46	0.00	0.00	0.00	0.25	0.28
2	24	10	0.00	0.84	0.02	0.33	0.00	0.00	0.39	0.00	0.00	0.00	0.21	0.32
2	24	11	0.00	0.92	0.00	0.49	0.00	0.00	0.34	0.00	0.00	0.00	0.15	0.33
2	24	12	0.00	0.96	0.01	0.64	0.00	0.00	0.30	0.00	0.00	0.00	0.08	0.25
2	24	13	0.00	0.97	0.02	0.71	0.00	0.00	0.28	0.00	0.00	0.00	0.03	0.17
2	24	14	0.00	0.96	0.03	0.81	0.00	0.03	0.29	0.00	0.00	0.00	0.00	0.10
2	24	15	0.00	0.94	0.08	0.86	0.03	0.03	0.31	0.00	0.00	0.00	0.00	0.05
2	24	16	0.00	0.90	0.15	0.88	0.06	0.04	0.31	0.00	0.00	0.00	0.00	0.02
2	24	17	0.00	0.87	0.13	0.91	0.09	0.07	0.33	0.01	0.00	0.00	0.00	0.00
2	24	18	0.03	0.88	0.08	0.91	0.26	0.14	0.38	0.06	0.09	0.03	0.00	0.00
2	24	19	0.08	0.89	0.08	0.89	0.54	0.20	0.38	0.17	0.14	0.07	0.00	0.00
2	24	20	0.11	0.90	0.08	0.89	0.58	0.26	0.38	0.26	0.17	0.10	0.00	0.00
2	24	21	0.17	0.84	0.18	0.90	0.59	0.23	0.34	0.38	0.23	0.16	0.00	0.00
2	24	22	0.24	0.78	0.20	0.90	0.75	0.19	0.31	0.42	0.30	0.23	0.02	0.00
2	24	23	0.32	0.74	0.17	0.92	0.83	0.33	0.29	0.39	0.37	0.31	0.05	0.00
2	24	24	0.40	0.69	0.09	0.88	0.79	0.63	0.27	0.37	0.44	0.39	0.08	0.09
2	25	1	0.46	0.66	0.03	0.86	0.67	0.47	0.25	0.41	0.50	0.45	0.10	0.15
2	25	2	0.53	0.63	0.00	0.86	0.46	0.63	0.20	0.41	0.57	0.53	0.15	0.22
2	25	3	0.55	0.62	0.00	0.80	0.29	0.78	0.18	0.41	0.58	0.54	0.21	0.28
2	25	4	0.58	0.65	0.00	0.84	0.39	0.87	0.17	0.47	0.62	0.58	0.27	0.30
2	25	5	0.58	0.70	0.00	0.84	0.34	0.81	0.11	0.52	0.61	0.57	0.32	0.32
2	25	6	0.58	0.78	0.00	0.87	0.33	0.50	0.09	0.57	0.61	0.57	0.35	0.34
2	25	7	0.63	0.77	0.00	0.83	0.35	0.62	0.11	0.58	0.66	0.63	0.42	0.33
2	25	8	0.64	0.72	0.01	0.78	0.36	0.73	0.18	0.57	0.68	0.64	0.42	0.29
2	25	9	0.65	0.76	0.00	0.74	0.51	0.55	0.25	0.59	0.68	0.65	0.39	0.22
2	25	10	0.74	0.85	0.00	0.76	0.56	0.46	0.32	0.64	0.76	0.73	0.40	0.21
2	25	11	0.76	0.92	0.02	0.75	0.56	0.36	0.40	0.73	0.78	0.76	0.47	0.31
2	25	12	0.83	0.96	0.04	0.80	0.51	0.24	0.51	0.78	0.84	0.83	0.58	0.44
2	25	13	0.88	0.97	0.11	0.82	0.52	0.15	0.57	0.79	0.89	0.87	0.68	0.49
2	25	14	0.91	0.99	0.17	0.84	0.66	0.27	0.54	0.78	0.92	0.91	0.82	0.55
2	25	15	0.86	1.00	0.24	0.79	0.67	0.67	0.51	0.72	0.87	0.86	0.86	0.61
2	25	16	0.80	0.99	0.25	0.76	0.44	0.77	0.51	0.67	0.82	0.79	0.91	0.67
2	25	17	0.69	0.99	0.23	0.70	0.22	0.76	0.53	0.60	0.71	0.68	0.89	0.72
2	25	18	0.60	0.99	0.32	0.71	0.13	0.59	0.53	0.53	0.63	0.59	0.84	0.70
2	25	19	0.45	1.00	0.31	0.71	0.12	0.51	0.53	0.46	0.49	0.44	0.76	0.74
2	25	20	0.49	0.99	0.32	0.69	0.08	0.40	0.47	0.41	0.53	0.49	0.69	0.81
2	25	21	0.56	0.92	0.40	0.56	0.05	0.32	0.41	0.39	0.60	0.56	0.66	0.87
2	25	22	0.51	0.88	0.40	0.60	0.05	0.11	0.39	0.38	0.55	0.50	0.65	0.82
2	25	23	0.39	0.85	0.42	0.63	0.03	0.04	0.38	0.39	0.44	0.38	0.65	0.75
2	25	24	0.38	0.76	0.38	0.64	0.04	0.01	0.36	0.36	0.43	0.37	0.69	0.59
2	26	1	0.38	0.73	0.33	0.64	0.09	0.05	0.33	0.33	0.43	0.37	0.66	0.54
2	26	2	0.33	0.72	0.31	0.64	0.12	0.15	0.28	0.35	0.38	0.32	0.65	0.51
2	26	3	0.33	0.70	0.32	0.60	0.09	0.26	0.25	0.37	0.38	0.32	0.64	0.50
2	26	4	0.36	0.71	0.27	0.62	0.09	0.22	0.21	0.37	0.41	0.35	0.64	0.48
2	26	5	0.39	0.77	0.22	0.74	0.17	0.19	0.17	0.37	0.44	0.38	0.60	0.47
2	26	6	0.39	0.87	0.18	0.76	0.25	0.15	0.12	0.40	0.43	0.38	0.56	0.46

Month	Day	Hour	Wind: Distributed_	Baja_Califor	Pacific_North	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	Solar: BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
2	20	16	0.30	0.01	0.92	0.91	0.89	0.65	0.91	0.00	0.22	0.95	0.94	0.55	0.68	0.81	0.67	0.25	0.39	0.74	0.78
2	20	17	0.41	0.02	0.88	0.87	0.85	0.77	0.89	0.01	0.27	0.94	0.92	0.27	0.40	0.42	0.39	0.19	0.20	0.46	0.52
2	20	18	0.47	0.03	0.82	0.81	0.82	0.85	0.85	0.03	0.36	0.95	0.94	0.01	0.06	0.05	0.06	0.04	0.02	0.12	0.13
2	20	19	0.47	0.02	0.77	0.76	0.84	0.85	0.78	0.02	0.36	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	20	20	0.47	0.01	0.82	0.81	0.81	0.83	0.70	0.00	0.39	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	20	21	0.46	0.00	0.84	0.84	0.75	0.86	0.68	0.01	0.38	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	20	22	0.42	0.00	0.86	0.85	0.72	0.88	0.67	0.01	0.32	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	20	23	0.39	0.00	0.82	0.81	0.68	0.89	0.63	0.00	0.28	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	20	24	0.36	0.00	0.79	0.78	0.68	0.87	0.60	0.00	0.24	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	1	0.30	0.00	0.75	0.74	0.61	0.87	0.63	0.00	0.20	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	2	0.26	0.00	0.74	0.73	0.52	0.89	0.66	0.01	0.16	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	3	0.24	0.00	0.71	0.70	0.42	0.89	0.67	0.01	0.11	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	4	0.25	0.00	0.66	0.64	0.42	0.85	0.70	0.03	0.07	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	5	0.23	0.00	0.60	0.59	0.43	0.78	0.73	0.03	0.04	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	6	0.24	0.00	0.51	0.50	0.43	0.74	0.75	0.04	0.01	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	7	0.22	0.00	0.46	0.44	0.42	0.74	0.75	0.03	0.00	0.61	0.53	0.00	0.05	0.22	0.05	0.00	0.00	0.00	0.01
2	21	8	0.21	0.01	0.40	0.38	0.38	0.74	0.75	0.03	0.00	0.63	0.55	0.13	0.33	0.63	0.32	0.06	0.16	0.29	0.40
2	21	9	0.19	0.01	0.31	0.29	0.38	0.72	0.78	0.03	0.00	0.65	0.58	0.40	0.59	0.87	0.58	0.12	0.55	0.62	0.70
2	21	10	0.18	0.00	0.29	0.27	0.37	0.64	0.76	0.03	0.00	0.67	0.61	0.62	0.77	0.99	0.76	0.12	0.70	0.81	0.86
2	21	11	0.17	0.00	0.32	0.30	0.31	0.62	0.75	0.05	0.00	0.69	0.62	0.74	0.85	1.00	0.84	0.20	0.58	0.88	0.95
2	21	12	0.16	0.00	0.33	0.31	0.35	0.61	0.73	0.08	0.00	0.66	0.59	0.80	0.89	1.00	0.87	0.36	0.48	0.92	0.99
2	21	13	0.17	0.01	0.34	0.31	0.39	0.61	0.74	0.12	0.00	0.65	0.57	0.80	0.88	1.00	0.86	0.31	0.30	0.89	0.97
2	21	14	0.15	0.01	0.33	0.31	0.41	0.57	0.73	0.15	0.00	0.62	0.55	0.77	0.86	1.00	0.84	0.42	0.18	0.90	0.93
2	21	15	0.14	0.01	0.32	0.30	0.38	0.55	0.70	0.15	0.00	0.60	0.52	0.66	0.76	0.93	0.75	0.32	0.18	0.78	0.89
2	21	16	0.18	0.01	0.29	0.27	0.33	0.59	0.60	0.15	0.00	0.62	0.54	0.53	0.65	0.76	0.64	0.37	0.28	0.67	0.79
2	21	17	0.21	0.00	0.30	0.28	0.33	0.68	0.51	0.16	0.00	0.75	0.68	0.27	0.40	0.40	0.39	0.32	0.15	0.48	0.53
2	21	18	0.24	0.00	0.35	0.33	0.35	0.72	0.48	0.20	0.01	0.73	0.68	0.01	0.06	0.05	0.06	0.09	0.01	0.13	0.13
2	21	19	0.28	0.00	0.38	0.36	0.43	0.73	0.42	0.20	0.00	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	20	0.27	0.01	0.40	0.38	0.60	0.72	0.31	0.21	0.00	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	21	0.18	0.03	0.40	0.38	0.65	0.65	0.24	0.24	0.02	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	22	0.17	0.10	0.39	0.37	0.66	0.66	0.22	0.28	0.05	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	23	0.19	0.21	0.39	0.37	0.62	0.67	0.21	0.35	0.10	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	21	24	0.26	0.29	0.38	0.36	0.54	0.66	0.21	0.38	0.16	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	1	0.27	0.24	0.38	0.36	0.51	0.63	0.22	0.35	0.20	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	2	0.27	0.25	0.38	0.36	0.57	0.60	0.21	0.34	0.22	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	3	0.25	0.27	0.39	0.37	0.61	0.55	0.16	0.36	0.26	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	4	0.25	0.29	0.38	0.36	0.61	0.49	0.13	0.39	0.28	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	5	0.26	0.33	0.37	0.35	0.53	0.49	0.11	0.42	0.29	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	6	0.33	0.38	0.36	0.34	0.49	0.55	0.12	0.47	0.33	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	7	0.46	0.34	0.36	0.34	0.46	0.59	0.14	0.52	0.35	0.32	0.21	0.00	0.04	0.20	0.04	0.00	0.00	0.00	0.00
2	22	8	0.58	0.36	0.35	0.33	0.44	0.61	0.14	0.56	0.32	0.28	0.17	0.09	0.21	0.56	0.20	0.01	0.00	0.01	0.09
2	22	9	0.69	0.39	0.34	0.32	0.43	0.61	0.13	0.64	0.33	0.24	0.14	0.25	0.35	0.76	0.34	0.04	0.03	0.03	0.17
2	22	10	0.81	0.39	0.32	0.30	0.55	0.58	0.13	0.81	0.43	0.27	0.16	0.37	0.45	0.84	0.44	0.11	0.09	0.09	0.23
2	22	11	0.93	0.44	0.30	0.28	0.66	0.70	0.20	0.91	0.53	0.32	0.21	0.46	0.52	0.83	0.51	0.27	0.44	0.17	0.14
2	22	12	0.95	0.51	0.32	0.30	0.75	0.89	0.30	0.93	0.57	0.36	0.25	0.52	0.58	0.72	0.57	0.25	0.56	0.37	0.08
2	22	13	0.99	0.58	0.32	0.30	0.82	0.99	0.33	0.93	0.54	0.36	0.25	0.52	0.57	0.69	0.56	0.31	0.60	0.43	0.11
2	22	14	1.00	0.62	0.31	0.29	0.89	0.99	0.32	0.93	0.59	0.36	0.25	0.52	0.57	0.64	0.56	0.27	0.67	0.42	0.16
2	22	15	1.00	0.65	0.33	0.31	0.93	0.98	0.29	0.93	0.61	0.36	0.26	0.52	0.60	0.58	0.59	0.33	0.82	0.74	0.25
2	22	16	1.00	0.70	0.33	0.31	0.86	0.94	0.27	0.93	0.65	0.38	0.27	0.40	0.50	0.51	0.49	0.32	0.60	0.52	0.23
2	22	17	0.97	0.83	0.35	0.33	0.81	0.86	0.33	0.91	0.59	0.46	0.35	0.20	0.29	0.32	0.28	0.26	0.21	0.23	0.34
2	22	18	0.87	0.91	0.35	0.33	0.76	0.78	0.40	0.94	0.53	0.50	0.40	0.01	0.04	0.02	0.04	0.06	0.04	0.05	0.07
2	22	19	0.82	0.93	0.34	0.32	0.85	0.79	0.47	0.84	0.53	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	20	0.77	0.90	0.28	0.26	0.87	0.80	0.46	0.68	0.58	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	21	0.83	0.89	0.26	0.24	0.78	0.80	0.46	0.81	0.63	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	22	0.86	0.85	0.30	0.28	0.66	0.85	0.49	0.77	0.72	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	23	0.85	0.78	0.38	0.36	0.78	0.91	0.53	0.62	0.80	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	22	24	0.77	0.73	0.42	0.40	0.73	0.94	0.51	0.41	0.83	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	1	0.70	0.71	0.53	0.51	0.79	0.96	0.47	0.31	0.81	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	2	0.64	0.79	0.59	0.57	0.74	0.97	0.45	0.29	0.79	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	3	0.69	0.79	0.56	0.55	0.62	0.96	0.47	0.34	0.79	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	4	0.80	0.79	0.61	0.59	0.55	0.98	0.51	0.41	0.90	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	5	0.81	0.76	0.61	0.60	0.60	0.95	0.51	0.31	0.89	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	6	0.71	0.83	0.66	0.65	0.63	0.82	0.52	0.26	0.77	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	7	0.56	0.77	0.72	0.71	0.59	0.54	0.54	0.33	0.69	0.73	0.67	0.00	0.04	0.15	0.04	0.00	0.00	0.00	0.01
2	23	8	0.55	0.53	0.67	0.65	0.56	0.25	0.55	0.32	0.83	0.86	0.83	0.11	0.29	0.35	0.28	0.32	0.28	0.30	0.27
2	23	9	0.65	0.67	0.64	0.62	0.48	0.36	0.64	0.39	0.97	0.93	0.91	0.36	0.54	0.52	0.53	0.49	0.65	0.60	0.50
2	23	10	0.82	0.93	0.70	0.69	0.60	0.64	0.68	0.44	0.98	0.96	0.95	0.56	0.71	0.62	0.69	0.64	0.82	0.79	0.48
2	23	11	0.91	0.99	0.71	0.70	0.81	0.66	0.66	0.45	0.99	0.99	0.98	0.68	0.78	0.70	0.77	0.58	0.90	0.81	0.61
2	23	12	0.94	0.99	0.71	0.69	0.84	0.63	0.63	0.55	1.00	1.00	1.00	0.71	0.78	0.70	0.77	0.48	0.88	0.85	0.60
2	23	13	0.87	0.99	0.70	0.68	0.85	0.63	0.59	0.66	0.99	1.00	1.00	0.73	0.79	0.68	0.78	0.57	0.92	0.70	0.55
2	23	14	0.81	0.97	0.70	0.68	0.88	0.64	0.53	0.70	0.99	1.00	1.00	0.69	0.76	0.62	0.75	0.55	0.79	0.88	0.64
2	23	15	0.81	0.93	0.64	0.63	0.87	0.63	0.45	0.74	0.99	1.00	1.00	0.61	0.71	0.58	0.69	0.47	0.85	0.73	0.56
2	23	16	0.77	0.91	0.57	0.55	0.86	0.67	0.35	0.81	0.96	1.00	1.00	0.48	0.60	0.49	0.59	0.47	0.49	0.55	0.53
2	23	17	0.76	0.88	0.46	0.44	0.80	0.66	0.36	0.82	0.89	0.99	0.99	0.28	0.42	0.33	0.41	0.50	0.42	0.36	0.41
2	23	18	0.77	0.81	0.50	0.48	0.74	0.54	0.43	0.75	0.95	0.98	0.98	0.01	0.07	0.04	0.07	0.15	0.10	0.08	0.10
2	23	19	0.75	0.78	0.50	0.48	0.79	0.50	0.45	0.76	0.95	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	20	0.72	0.65	0.47	0.45	0.83	0.53	0.46	0.69	0.96	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	21	0.75	0.58	0.50	0.48	0.80	0.39	0.46	0.68	0.95	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	22	0.67	0.56	0.51	0.50	0.72	0.38	0.50	0.69	0.89	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	23	0.63	0.53	0.58	0.57	0.63	0.44	0.67	0.66	0.90	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23	24	0.49	0.38	0.60	0.59	0.58	0.37	0.76	0.64	0.92	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	1	0.40	0.20	0.58	0.56	0.54	0.23	0.84	0.59	0.89	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	2	0.29	0.18	0.63	0.61	0.45	0.26	0.88	0.56	0.87	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	3	0.12	0.24	0.66	0.64	0.45	0.29	0.90	0.54	0.79	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	4	0.03	0.32	0.67	0.66	0.48	0.28	0.90	0.52	0.70	0.91	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	5	0.00	0.35	0.70	0.69	0.52	0.26	0.90	0.49	0.66	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	6	0.00	0.35	0.70	0.69	0.66	0.20	0.90	0.44	0.64	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	7	0.00	0.36	0.69	0.68	0.76	0.13	0.88	0.37	0.56	0.60	0.52	0.00	0.06	0.22	0.06	0.00	0.00	0.00	0.02
2	24	8	0.00	0.33	0.70	0.69	0.76	0.07	0.83	0.26	0.39	0.67	0.61	0.14	0.36	0.54	0.35	0.10	0.13	0.33	0.42
2	24	9	0.00	0.35	0.69	0.68	0.75	0.04	0.86	0.20	0.28	0.76	0.71	0.42	0.62	0.74	0.61	0.16	0.24	0.67	0.72
2	24	10	0.00	0.39	0.71	0.70	0.76	0.02	0.87	0.17	0.17	0.84	0.81	0.63	0.78	0.84	0.77	0.10	0.46	0.85	0.86
2	24	11	0.00	0.40	0.76	0.75	0.75	0.00	0.89	0.13	0.12	0.92	0.90	0.75	0.86	0.95	0.84	0.10	0.41	0.94	0.96
2	24	12	0.00	0.32	0.80	0.79	0.75	0.00	0.91	0.11	0.10	0.96	0.95	0.79	0.87	1.00	0.85	0.07	0.21	0.97	0.98
2	24	13	0.00	0.24	0.81	0.80	0.75	0.00	0.92	0.09	0.08	0.97	0.97	0.78	0.84	0.99	0.82	0.03	0.18	0.81	0.94
2	24	14	0.00	0.17	0.80	0.79	0.72	0.00	0.89	0.09	0.08	0.96	0.95	0.74	0.82	1.00	0.80	0.07	0.21	0.66	0.91
2	24	15	0.00	0.12	0.80	0.79	0.68	0.00	0.84	0.10	0.09	0.94	0.92	0.66	0.75	0.90	0.74	0.04	0.16	0.46	0.91
2	24	16	0.00	0.08	0.80	0.80	0.67	0.00	0.76	0.10	0.10	0.90	0.88	0.52	0.65	0.75	0.63	0.13	0.17	0.40	0.78
2	24	17	0.00	0.06	0.84	0.84	0.71	0.01	0.66	0.11	0.17	0.87	0.85	0.27	0.40	0.39	0.40	0.14	0.10	0.28	0.56
2	24	18	0.04	0.04	0.87	0.87	0.74	0.01	0.62	0.16	0.23	0.88	0.86	0.01	0.07	0.04	0.07	0.04	0.00	0.05	0.15
2	24	19	0.09	0.03	0.87	0.87	0.74	0.02	0.62	0.13	0.17	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	20	0.12	0.01	0.87	0.86	0.72	0.05	0.62	0.12	0.12	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	21	0.18	0.01	0.86	0.85	0.69	0.14	0.58	0.10	0.11	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	22	0.25	0.02	0.82	0.81	0.65	0.27	0.58	0.10	0.10	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	23	0.33	0.05	0.81	0.80	0.67	0.41	0.60	0.11	0.10	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	24	24	0.40	0.16	0.79	0.78	0.69	0.56	0.64	0.14	0.10	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	1	0.46	0.22	0.81	0.80	0.71	0.67	0.70	0.21	0.15	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	2	0.54	0.29	0.82	0.81	0.69	0.70	0.80	0.28	0.24	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	3	0.55	0.35	0.82	0.81	0.75	0.76	0.84	0.34	0.30	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	4	0.59	0.37	0.82	0.81	0.78	0.79	0.84	0.42	0.36	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	5	0.58	0.38	0.81	0.80	0.81	0.80	0.84	0.48	0.43	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	6	0.59	0.41	0.77	0.76	0.85	0.79	0.87	0.53	0.50	0.78	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	7	0.64	0.40	0.74	0.73	0.88	0.80	0.88	0.58	0.58	0.77	0.72	0.00	0.04	0.17	0.04	0.00	0.00	0.00	0.00
2	25	8	0.65	0.35	0.72	0.71	0.90	0.83	0.87	0.58	0.68	0.72	0.67	0.10	0.23	0.34	0.23	0.07	0.04	0.01	0.03
2	25	9	0.66	0.29	0.69	0.68	0.93	0.84	0.91	0.56	0.78	0.76	0.71	0.29	0.42	0.46	0.41	0.25	0.07	0.12	0.19
2	25	10	0.74	0.28	0.67	0.66	0.96	0.88	0.93	0.70	0.90	0.85	0.81	0.44	0.54	0.58	0.53	0.36	0.11	0.15	0.23
2	25	11	0.77	0.38	0.67	0.65	0.96	0.92	0.93	0.81	0.95	0.92	0.90	0.49	0.56	0.61	0.55	0.29	0.23	0.23	0.23
2	25	12	0.83	0.50	0.66	0.64	0.93	0.94	0.92	0.83	0.96	0.96	0.95	0.59	0.65	0.74	0.64	0.40	0.46	0.19	0.31
2	25	13	0.88	0.55	0.61	0.60	0.94	0.95	0.90	0.81	0.97	0.97	0.97	0.58	0.63	0.75	0.62	0.30	0.36	0.26	0.23
2	25	14	0.91	0.60	0.64	0.63	0.90	0.97	0.88	0.82	0.97	0.99	0.99	0.56	0.62	0.73	0.61	0.37	0.43	0.21	0.34
2	25	15	0.86	0.65	0.74	0.73	0.77	0.95	0.85	0.76	0.96	1.00	0.99	0.48	0.55	0.70	0.54	0.33	0.22	0.13	0.27
2	25	16	0.80	0.71	0.80	0.79	0.72	0.94	0.76	0.73	0.94	0.99	0.99	0.38	0.47	0.60	0.46	0.35	0.22	0.09	0.23
2	25	17	0.69	0.76	0.71	0.70	0.77	0.94	0.68	0.70	0.91	0.99	0.98	0.21	0.32	0.31	0.31	0.33	0.19	0.15	0.23
2	25	18	0.61	0.73	0.73	0.72	0.63	0.94	0.67	0.71	0.88	0.99	0.99	0.01	0.05	0.03	0.05	0.11	0.02	0.01	0.05
2	25	19	0.46	0.77	0.78	0.77	0.57	0.91	0.69	0.70	0.86	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	20	0.50	0.83	0.88	0.88	0.64	0.81	0.68	0.68	0.88	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	21	0.57	0.89	0.89	0.89	0.72	0.81	0.68	0.65	0.88	0.92	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	22	0.52	0.84	0.83	0.82	0.80	0.67	0.69	0.60	0.84	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	23	0.40	0.79	0.86	0.85	0.82	0.34	0.72	0.59	0.79	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	25	24	0.39	0.63	0.88	0.87	0.78	0.07	0.72	0.56	0.73	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	1	0.39	0.58	0.88	0.87	0.79	0.02	0.75	0.54	0.70	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	2	0.34	0.56	0.87	0.86	0.78	0.02	0.78	0.50	0.69	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	3	0.34	0.56	0.84	0.84	0.79	0.03	0.79	0.48	0.66	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	4	0.37	0.54	0.84	0.83	0.79	0.04	0.81	0.44	0.62	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	5	0.39	0.53	0.79	0.79	0.81	0.04	0.82	0.38	0.59	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	26	6	0.39	0.51	0.76	0.75	0.79	0.03	0.83	0.32	0.55	0.87	0.84	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar: Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
2	20	16	0.85	0.83	0.89	0.88	0.86	0.86	0.84	0.85	0.81	0.86	0.78	0.78	1.00	1.00	1.00
2	20	17	0.55	0.52	0.54	0.49	0.53	0.54	0.52	0.53	0.45	0.57	0.41	0.29	1.00	1.00	1.00
2	20	18	0.17	0.11	0.10	0.05	0.07	0.07	0.07	0.07	0.07	0.09	0.02	0.00	1.00	1.00	1.00
2	20	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	21	7	0.01	0.03	0.16	0.22	0.19	0.14	0.10	0.19	0.21	0.19	0.32	0.50	1.00	1.00	1.00
2	21	8	0.28	0.46	0.61	0.65	0.63	0.60	0.56	0.62	0.54	0.60	0.69	0.88	1.00	1.00	1.00
2	21	9	0.52	0.77	0.88	0.88	0.88	0.85	0.82	0.87	0.75	0.82	0.90	1.00	1.00	1.00	1.00
2	21	10	0.81	1.00	1.00	1.00	1.00	0.96	0.98	0.99	0.89	0.91	1.00	1.00	1.00	1.00	1.00
2	21	11	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.96	1.00	1.00	1.00	1.00	1.00
2	21	12	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.99	1.00	1.00	1.00	1.00	1.00
2	21	13	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	1.00	1.00	1.00	1.00	1.00
2	21	14	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.98	1.00	1.00	1.00	1.00	1.00
2	21	15	0.63	1.00	1.00	1.00	1.00	0.97	0.97	0.99	0.93	0.91	0.96	0.99	1.00	1.00	1.00
2	21	16	0.47	0.92	0.91	0.90	0.82	0.82	0.84	0.82	0.79	0.82	0.80	0.79	1.00	1.00	1.00
2	21	17	0.20	0.59	0.62	0.59	0.55	0.52	0.53	0.54	0.46	0.59	0.36	0.30	1.00	1.00	1.00
2	21	18	0.04	0.15	0.14	0.08	0.07	0.07	0.08	0.07	0.07	0.10	0.01	0.00	1.00	1.00	1.00
2	21	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
2	22	7	0.00	0.01	0.16	0.19	0.16	0.15	0.08	0.16	0.26	0.18	0.28	0.33	1.00	1.00	1.00
2	22	8	0.02	0.15	0.55	0.44	0.62	0.60	0.47	0.61	0.64	0.58	0.67	0.52	1.00	1.00	1.00
2	22	9	0.01	0.20	0.65	0.84	0.86	0.85	0.73	0.85	0.84	0.80	0.89	0.67	1.00	1.00	1.00
2	22	10	0.01	0.31	0.69	1.00	0.99	0.99	0.87	0.98	0.95	0.88	0.99	0.68	1.00	1.00	1.00
2	22	11	0.01	0.32	0.70	1.00	1.00	1.00	0.86	1.00	0.95	0.95	1.00	0.62	1.00	1.00	1.00
2	22	12	0.12	0.39	0.81	1.00	1.00	1.00	0.78	1.00	0.97	0.88	1.00	0.47	1.00	1.00	1.00
2	22	13	0.18	0.23	0.75	1.00	1.00	1.00	0.65	1.00	0.93	0.76	1.00	0.51	1.00	1.00	1.00
2	22	14	0.27	0.24	0.77	1.00	1.00	0.98	0.63	1.00	0.93	0.68	1.00	0.40	1.00	1.00	1.00
2	22	15	0.46	0.08	0.71	1.00	1.00	0.91	0.64	0.99	0.90	0.49	0.94	0.45	1.00	1.00	1.00
2	22	16	0.49	0.09	0.60	0.86	0.82	0.80	0.59	0.81	0.79	0.41	0.80	0.49	1.00	1.00	1.00
2	22	17	0.39	0.09	0.34	0.41	0.50	0.53	0.34	0.49	0.56	0.32	0.39	0.14	1.00	1.00	1.00
2	22	18	0.10	0.01	0.05	0.06	0.07	0.07	0.04	0.07	0.02	0.04	0.02	0.00	1.00	1.00	1.00
2	22	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
2	23	7	0.01	0.02	0.15	0.18	0.16	0.12	0.03	0.16	0.05	0.13	0.14	0.52	1.00	1.00	1.00
2	23	8	0.37	0.23	0.54	0.44	0.60	0.50	0.32	0.60	0.17	0.45	0.35	0.86	1.00	1.00	1.00
2	23	9	0.74	0.40	0.77	0.60	0.77	0.86	0.53	0.77	0.29	0.66	0.54	1.00	1.00	1.00	1.00
2	23	10	0.90	0.59	0.77	0.69	0.98	1.00	0.79	0.97	0.31	0.80	0.62	1.00	1.00	1.00	1.00
2	23	11	0.88	0.76	0.95	0.77	0.94	1.00	0.84	0.93	0.40	0.71	0.62	1.00	1.00	1.00	1.00
2	23	12	0.86	0.90	1.00	0.61	0.93	0.81	0.89	0.92	0.59	0.70	0.55	1.00	1.00	1.00	1.00
2	23	13	0.87	0.90	0.87	0.75	1.00	0.81	0.92	1.00	0.56	0.70	0.65	0.96	1.00	1.00	1.00
2	23	14	0.88	0.90	0.92	0.45	0.88	0.88	0.85	0.87	0.47	0.71	0.65	0.77	1.00	1.00	1.00
2	23	15	0.78	0.81	0.94	0.32	0.94	0.89	0.90	0.94	0.36	0.67	0.75	0.63	1.00	1.00	1.00
2	23	16	0.66	0.92	0.80	0.41	0.80	0.79	0.78	0.79	0.40	0.67	0.60	0.49	1.00	1.00	1.00
2	23	17	0.43	0.62	0.59	0.41	0.53	0.55	0.49	0.53	0.33	0.51	0.35	0.15	1.00	1.00	1.00
2	23	18	0.12	0.16	0.13	0.04	0.07	0.08	0.07	0.07	0.07	0.10	0.02	0.00	1.00	1.00	1.00
2	23	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
2	24	7	0.02	0.08	0.18	0.26	0.21	0.17	0.11	0.20	0.26	0.21	0.35	0.40	1.00	1.00	1.00
2	24	8	0.45	0.59	0.65	0.68	0.66	0.63	0.57	0.66	0.61	0.62	0.73	0.81	1.00	1.00	1.00
2	24	9	0.78	0.91	0.91	0.92	0.89	0.87	0.85	0.88	0.84	0.83	0.93	1.00	1.00	1.00	1.00
2	24	10	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.90	1.00	1.00	1.00	1.00	1.00
2	24	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.93	1.00	1.00	1.00	1.00	1.00
2	24	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.93	1.00	1.00	1.00	1.00	1.00
2	24	13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
2	24	14	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.91	1.00	1.00	1.00	1.00	1.00
2	24	15	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.81	0.95	0.99	1.00	1.00	1.00	1.00
2	24	16	0.88	0.94	0.92	0.90	0.90	0.86	0.85	0.89	0.76	0.86	0.83	0.83	1.00	1.00	1.00
2	24	17	0.56	0.63	0.56	0.59	0.61	0.58	0.53	0.60	0.41	0.62	0.43	0.34	1.00	1.00	1.00
2	24	18	0.19	0.17	0.12	0.09	0.11	0.10	0.09	0.11	0.06	0.12	0.03	0.00	1.00	1.00	1.00
2	24	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
2	25	7	0.00	0.09	0.15	0.07	0.13	0.15	0.13	0.13	0.02	0.03	0.35	0.55	1.00	1.00	1.00
2	25	8	0.03	0.52	0.58	0.31	0.52	0.62	0.61	0.51	0.03	0.14	0.69	0.92	1.00	1.00	1.00
2	25	9	0.08	0.81	0.79	0.63	0.70	0.85	0.84	0.70	0.09	0.32	0.82	1.00	1.00	1.00	1.00
2	25	10	0.34	0.87	0.90	0.83	0.84	0.96	0.88	0.84	0.18	0.47	0.90	1.00	1.00	1.00	1.00
2	25	11	0.33	0.77	0.95	0.77	1.00	0.94	0.78	1.00	0.24	0.59	0.99	1.00	1.00	1.00	1.00
2	25	12	0.33	0.66	1.00	1.00	1.00	1.00	0.92	1.00	0.67	0.72	1.00	1.00	1.00	1.00	1.00
2	25	13	0.51	0.49	0.93	1.00	1.00	1.00	0.83	1.00	0.60	0.67	1.00	1.00	1.00	1.00	1.00
2	25	14	0.51	0.57	0.89	1.00	1.00	0.98	0.67	1.00	0.60	0.71	1.00	1.00	1.00	1.00	1.00
2	25	15	0.32	0.64	0.88	1.00	1.00	0.89	0.63	1.00	0.66	0.61	0.96	0.94	1.00	1.00	1.00
2	25	16	0.35	0.52	0.84	0.89	0.86	0.77	0.48	0.86	0.62	0.65	0.79	0.67	1.00	1.00	1.00
2	25	17	0.31	0.36	0.60	0.49	0.50	0.48	0.36	0.50	0.35	0.50	0.47	0.26	1.00	1.00	1.00
2	25	18	0.07	0.08	0.15	0.08	0.08	0.07	0.05	0.08	0.04	0.10	0.03	0.00	1.00	1.00	1.00
2	25	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
2	26	7	0.39	0.94	0.12	0.71	0.21	0.17	0.10	0.41	0.44	0.38	0.52	0.54	0.40	0.59	0.73	0.72	0.66	0.01	0.83	0.29	0.46	0.94	0.92	0.00	0.06	0.22	0.06	0.00	0.00	0.00	0.03	0.01	0.06	0.17	0.23	0.21	0.16	0.09	0.21	0.11	0.23	0.37	0.54	1.00	1.00	1.00
2	26	8	0.37	0.98	0.08	0.62	0.18	0.17	0.06	0.40	0.42	0.36	0.45	0.61	0.38	0.66	0.74	0.73	0.54	0.00	0.83	0.21	0.30	0.98	0.97	0.12	0.30	0.49	0.29	0.17	0.06	0.05	0.24	0.30	0.45	0.59	0.67	0.64	0.63	0.42	0.64	0.32	0.55	0.73	0.89	1.00	1.00	1.00
2	26	9	0.36	0.97	0.07	0.56	0.24	0.19	0.02	0.39	0.41	0.36	0.35	0.55	0.37	0.59	0.73	0.72	0.37	0.00	0.85	0.23	0.19	0.97	0.96	0.36	0.53	0.69	0.52	0.22	0.20	0.19	0.50	0.52	0.85	0.80	0.90	0.89	0.87	0.72	0.88	0.46	0.74	0.92	1.00	1.00	1.00	1.00
2	26	10	0.38	0.93	0.11	0.71	0.44	0.21	0.02	0.42	0.43	0.37	0.35	0.47	0.39	0.53	0.68	0.66	0.33	0.00	0.94	0.30	0.15	0.93	0.92	0.53	0.65	0.74	0.64	0.20	0.20	0.39	0.65	0.65	0.94	0.93	1.00	1.00	1.00	0.81	1.00	0.46	0.89	1.00	1.00	1.00	1.00	1.00
2	26	11	0.40	0.89	0.10	0.83	0.53	0.30	0.04	0.50	0.45	0.39	0.40	0.37	0.41	0.44	0.57	0.56	0.33	0.00	0.96	0.40	0.19	0.89	0.87	0.60	0.69	0.79	0.67	0.14	0.10	0.31	0.72	0.59	0.95	1.00	1.00	1.00	1.00	0.93	1.00	0.62	0.90	1.00	1.00	1.00	1.00	1.00
2	26	12	0.43	0.85	0.06	0.84	0.67	0.26	0.08	0.61	0.47	0.42	0.45	0.26	0.43	0.33	0.46	0.44	0.29	0.02	0.99	0.54	0.26	0.85	0.83	0.64	0.70	0.83	0.68	0.17	0.24	0.19	0.67	0.57	0.89	1.00	1.00	1.00	1.00	0.98	1.00	0.88	0.86	1.00	1.00	1.00	1.00	1.00
2	26	13	0.51	0.87	0.04	0.73	0.68	0.32	0.08	0.69	0.55	0.51	0.51	0.19	0.52	0.26	0.41	0.39	0.47	0.13	0.99	0.67	0.39	0.87	0.85	0.59	0.64	0.86	0.63	0.14	0.29	0.30	0.47	0.33	0.77	0.91	1.00	1.00	1.00	0.95	1.00	0.76	0.89	1.00	1.00	1.00	1.00	1.00
2	26	14	0.67	0.91	0.08	0.74	0.76	0.30	0.11	0.71	0.69	0.66	0.65	0.18	0.67	0.25	0.41	0.39	0.51	0.30	0.99	0.76	0.58	0.91	0.89	0.54	0.60	0.85	0.59	0.04	0.21	0.32	0.35	0.29	0.64	0.97	1.00	1.00	1.00	0.88	1.00	0.66	0.81	1.00	1.00	1.00	1.00	1.00
2	26	15	0.81	0.88	0.01	0.84	0.79	0.25	0.17	0.70	0.83	0.81	0.75	0.29	0.82	0.36	0.34	0.32	0.24	0.52	0.99	0.82	0.73	0.88	0.86	0.46	0.53	0.76	0.52	0.17	0.13	0.13	0.20	0.06	0.64	0.99	1.00	1.00	0.94	0.90	1.00	0.80	0.68	0.97	1.00	1.00	1.00	1.00
2	26	16	0.88	0.85	0.00	0.69	0.71	0.30	0.18	0.65	0.90	0.88	0.83	0.47	0.88	0.53	0.26	0.24	0.13	0.69	0.98	0.86	0.76	0.85	0.82	0.35	0.43	0.60	0.42	0.14	0.18	0.07	0.23	0.02	0.42	0.83	0.90	0.89	0.80	0.72	0.88	0.58	0.61	0.83	0.78	1.00	1.00	1.00
2	26	17	0.84	0.75	0.00	0.45	0.60	0.20	0.17	0.59	0.86	0.84	0.91	0.47	0.85	0.52	0.19	0.17	0.19	0.76	0.95	0.82	0.70	0.75	0.70	0.20	0.30	0.35	0.29	0.18	0.23	0.08	0.25	0.06	0.33	0.59	0.55	0.58	0.51	0.38	0.58	0.30	0.44	0.47	0.33	1.00	1.00	1.00
2	26	18	0.69	0.73	0.00	0.57	0.51	0.30	0.19	0.58	0.71	0.68	0.92	0.50	0.69	0.55	0.17	0.15	0.28	0.84	0.94	0.77	0.68	0.73	0.68	0.01	0.05	0.04	0.04	0.05	0.03	0.01	0.06	0.01	0.07	0.15	0.09	0.11	0.08	0.06	0.11	0.06	0.09	0.04	0.00	1.00	1.00	1.00
2	26	19	0.53	0.76	0.05	0.64	0.33	0.41	0.23	0.57	0.57	0.53	0.94	0.53	0.54	0.58	0.20	0.18	0.49	0.92	0.95	0.80	0.71	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	20	0.49	0.82	0.05	0.55	0.18	0.71	0.27	0.60	0.53	0.48	0.92	0.65	0.49	0.69	0.29	0.27	0.42	0.92	0.91	0.79	0.69	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	21	0.51	0.82	0.01	0.54	0.17	0.47	0.31	0.67	0.55	0.50	0.87	0.72	0.52	0.75	0.27	0.25	0.51	0.89	0.87	0.79	0.67	0.82	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	22	0.62	0.85	0.00	0.56	0.09	0.24	0.38	0.68	0.65	0.62	0.84	0.76	0.63	0.78	0.27	0.25	0.51	0.90	0.81	0.76	0.69	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	23	0.74	0.90	0.00	0.53	0.01	0.07	0.46	0.65	0.77	0.74	0.90	0.80	0.75	0.82	0.29	0.27	0.27	0.95	0.73	0.76	0.73	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	26	24	0.67	0.88	0.02	0.44	0.00	0.20	0.56	0.63	0.70	0.67	0.94	0.87	0.68	0.89	0.33	0.31	0.37	0.94	0.63	0.73	0.74	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	1	0.56	0.87	0.10	0.38	0.00	0.09	0.61	0.67	0.59	0.55	0.89	0.94	0.57	0.95	0.41	0.39	0.72	0.92	0.48	0.64	0.78	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	2	0.54	0.85	0.15	0.42	0.01	0.37	0.49	0.74	0.57	0.53	0.80	0.98	0.54	0.98	0.43	0.41	0.81	0.95	0.41	0.56	0.79	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	3	0.59	0.88	0.13	0.47	0.03	0.20	0.36	0.74	0.62	0.58	0.72	0.99	0.59	0.99	0.47	0.45	0.67	0.96	0.37	0.55	0.71	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	4	0.60	0.89	0.04	0.47	0.01	0.18	0.37	0.80	0.64	0.60	0.63	0.98	0.61	0.98	0.48	0.46	0.76	0.96	0.37	0.57	0.67	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	5	0.58	0.90	0.00	0.45	0.00	0.07	0.42	0.80	0.61	0.57	0.59	0.92	0.59	0.93	0.49	0.47	0.80	0.94	0.46	0.56	0.70	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	6	0.67	0.91	0.00	0.49	0.00	0.07	0.52	0.81	0.70	0.66	0.52	0.88	0.67	0.89	0.48	0.47	0.82	0.95	0.45	0.49	0.72	0.91	0.89	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
2	27	7	0.72	0.92	0.00	0.50	0.00	0.06	0.52	0.81	0.75	0.72	0.46	0.80	0.73	0.82	0.55	0.54	0.84	0.96	0.45	0.33	0.71	0.92	0.91	0.00	0.04	0.20	0.04	0.00	0.00	0.01	0.01	0.01	0.04	0.07	0.09	0.17	0.16	0.10	0.17	0.12	0.10	0.32	0.55	1.00	1.00	1.00
2	27	8	0.88	0.94	0.00	0.44	0.00	0.08	0.50	0.79	0.89	0.88	0.46	0.72	0.88	0.75	0.61	0.60	0.87	0.96	0.33	0.30	0.77	0.94	0.93	0.10	0.26	0.46	0.25	0.19	0.32	0.36	0.23	0.36	0.35	0.29	0.13	0.48	0.58	0.42	0.48	0.14	0.30	0.69	0.89	1.00	1.00	1.00
2	27	9	0.96	0.97	0.00	0.43	0.00	0.11	0.46	0.82	0.97	0.96	0.46	0.65	0.96	0.68	0.66	0.65	0.89	0.97	0.41	0.32	0.84	0.97	0.96	0.29	0.44	0.59	0.43	0.21	0.64	0.69	0.39	0.50	0.58	0.67	0.03	0.64	0.77	0.50	0.64	0.14	0.41	0.90	1.00	1.00	1.00	1.00
2	27	10	0.97	0.98	0.00	0.56	0.00	0.07	0.39	0.90	0.97	0.97	0.52	0.60	0.97	0.64	0.75	0.74	0.92	0.99	0.55	0.38	0.90	0.98	0.97	0.45	0.57	0.68	0.56	0.27	0.80	0.85	0.43	0.72	0.70	0.80	0.01	0.86	0.84	0.61	0.85	0.17	0.49	1.00	1.00	1.00	1.00	1.00
2	27	11	0.89	0.99	0.00	0.72	0.00	0.06	0.31	0.89	0.90	0.89	0.55	0.67	0.90	0.70	0.78	0.77	0.92	0.99	0.59	0.55	0.93	0.99	0.99	0.53	0.61	0.68	0.60	0.20	0.63	0.84	0.55	0.62	0.59	0.86	0.38	0.78	0.99	0.62	0.77	0.26	0.50	1.00	1.00	1.00	1.00	1.00
2	27	12	0.92	0.99	0.03	0.75	0.01	0.04	0.25	0.82	0.92	0.92	0.55	0.78	0.92	0.81	0.79	0.78	0.86	0.97	0.59	0.65	0.93	0.99	0.98	0.62	0.68	0.72	0.67	0.23	0.44	0.79	0.72	0.80	0.66	0.86	0.63	0.92	1.00	0.65	0.91	0.17	0.57	1.00	1.00	1.00	1.00	1.00
2	27	13	0.91	0.99	0.13	0.76	0.03	0.02	0.22	0.80	0.92	0.91	0.55	0.84	0.91	0.86	0.83	0.82	0.76	0.84	0.55	0.61	0.93	0.99	0.99	0.57	0.62	0.71	0.61	0.20	0.40	0.85	0.56	0.66	0.52	0.87	0.36	0.80	1.00	0.72	0.79	0.17	0.56	1.00	1.00	1.00	1.00	1.00
2	27	14	0.70	1.00	0.23	0.79	0.15	0.00	0.22	0.79	0.72	0.70	0.62	0.88	0.70	0.89	0.87	0.87	0.61	0.41	0.59	0.62	0.93	1.00	0.99	0.52	0.58	0.67	0.57	0.15	0.21	0.63	0.52	0.64	0.41	0.89	0.69	0.84	0.91	0.69	0.83	0.15	0.65	0.96	1.00	1.00	1.00	1.00
2	27	15	0.62	0.99	0.32	0.76	0.33	0.13	0.21	0.83	0.65	0.61	0.66	0.90	0.62	0.92	0.86	0.85	0.50	0.16	0.54	0.61	0.93	0.99	0.98	0.49	0.56	0.64	0.55	0.09	0.19	0.57	0.51	0.73	0.41	0.81	0.97	0.87	0.75	0.58	0.86	0.15	0.52	0.86	0.94	1.00	1.00	1.00
2	27	16	0.68	0.97	0.39	0.61	0.37	0.09	0.21	0.85	0.71	0.68	0.63	0.84	0.69	0.86	0.84	0.84	0.40	0.14	0.54	0.59	0.94	0.97	0.96	0.37	0.46	0.47	0.45	0.16	0.11	0.38	0.43	0.61	0.22	0.72	0.88	0.80	0.76	0.46	0.79	0.15	0.54	0.52	0.74	1.00	1.00	1.00
2	27	17	0.77	0.88	0.45	0.55	0.31	0.14	0.22	0.84	0.79	0.76	0.63	0.84	0.77	0.86	0.84	0.83	0.32	0.17	0.59	0.62	0.94	0.87	0.85	0.20	0.29	0.35	0.29	0.22	0.09	0.20	0.30	0.50	0.33	0.49	0.44	0.41	0.41	0.33	0.41	0.23	0.44	0.29	0.32	1.00	1.00	1.00
2	27	18	0.66	0.85	0.57	0.57	0.15	0.26	0.21	0.78	0.69	0.65	0.63	0.83	0.66	0.85	0.87	0.86	0.40	0.07	0.53	0.57	0.94	0.85	0.81	0.01	0.05	0.05	0.05	0.06	0.00	0.03	0.07	0.16	0.07	0.11	0.06	0.06	0.07	0.05	0.06	0.03	0.09	0.01	0.00	1.00	1.00	1.00
2	27	19	0.44	0.85	0.61	0.50	0.02	0.40	0.18	0.67	0.48	0.43	0.59	0.85	0.44	0.86	0.88	0.87	0.55	0.06	0.48	0.60	0.94	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	20	0.37	0.83	0.58	0.54	0.00	0.21	0.17	0.63	0.42	0.36	0.59	0.82	0.38	0.85	0.86	0.85	0.58	0.04	0.56	0.53	0.93	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	21	0.40	0.82	0.54	0.54	0.00	0.06	0.16	0.62	0.45	0.40	0.57	0.77	0.41	0.80	0.83	0.82	0.60	0.07	0.62	0.51	0.90	0.82	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	22	0.57	0.92	0.55	0.46	0.00	0.29	0.21	0.60	0.61	0.57	0.64	0.76	0.58	0.79	0.80	0.79	0.61	0.12	0.57	0.47	0.82	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	23	0.54	0.97	0.53	0.40	0.00	0.27	0.42	0.57	0.58	0.53	0.71	0.71	0.54	0.74	0.78	0.77	0.61	0.10	0.59	0.45	0.87	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	27	24	0.41	0.97	0.48	0.37	0.02	0.13	0.43	0.55	0.45	0.40	0.77	0.70	0.41	0.74	0.72	0.71	0.47	0.13	0.72	0.46	0.91	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	1	0.46	0.95	0.42	0.35	0.04	0.11	0.46	0.48	0.50	0.45	0.72	0.63	0.47	0.67	0.69	0.68	0.40	0.21	0.82	0.44	0.91	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	2	0.59	0.90	0.39	0.31	0.04	0.08	0.46	0.42	0.62	0.58	0.70	0.67	0.59	0.70	0.69	0.67	0.44	0.22	0.83	0.39	0.90	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	3	0.73	0.86	0.48	0.29	0.02	0.01	0.46	0.48	0.76	0.73	0.67	0.67	0.74	0.71	0.66	0.65	0.42	0.21	0.78	0.37	0.90	0.86	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	4	0.77	0.89	0.49	0.31	0.03	0.02	0.53	0.58	0.79	0.76	0.63	0.69	0.77	0.73	0.64	0.63	0.33	0.19	0.68	0.40	0.94	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	5	0.76	0.93	0.40	0.24	0.11	0.02	0.48	0.66	0.78	0.76	0.63	0.66	0.76	0.70	0.65	0.63	0.26	0.20	0.56	0.44	0.95	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	6	0.74	0.91	0.37	0.23	0.22	0.00	0.44	0.70	0.77	0.74	0.76	0.60	0.75	0.64	0.70	0.69	0.24	0.25	0.44	0.37	0.96	0.91	0.88	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
2	28	7	0.66	0.89	0.32	0.26	0.27	0.02	0.40	0.68	0.69	0.65	0.74	0.61	0.66	0.65	0.68	0.67	0.23	0.27	0.38	0.30	0.96	0.89	0.87	0.00	0.06	0.21	0.06	0.01	0.01	0.01	0.02	0.02	0.05	0.20	0.21	0.16	0.18	0.08	0.16	0.05	0.14	0.34	0.54	1.00	1.00	1.00
2	28	8	0.54	0.92	0.27	0.25	0.17	0.01	0.37	0.64	0.57	0.53	0.76	0.54	0.55	0.58	0.68	0.66	0.21	0.14	0.24	0.29	0.99	0.92	0.90	0.13	0.33	0.44	0.33	0.28	0.32	0.32	0.31	0.34	0.39	0.62	0.63	0.57	0.62	0.40	0.57	0.16	0.46	0.71	0.89	1.00	1.00	1.00
2	28	9	0.53	0.98	0.17	0.23	0.03	0.00	0.33	0.68	0.57	0.52	0.81	0.68	0.53	0.72	0.71	0.70	0.13	0.09	0.15	0.31	1.00	0.98	0.98	0.38	0.56	0.62	0.55	0.43	0.64	0.52	0.56	0.65	0.70	0.85	0.47	0.88	0.82	0.71	0.87	0.43	0.71	0.88	1.00	1.00	1.00	1.00
2	28	10	0.51	0.99	0.21	0.25	0.00	0.00	0.32	0.72	0.55	0.51	0.89	0.66	0.52	0.69	0.72	0.71	0.13	0.08	0.09	0.33	0.99	0.99	0.99	0.58	0.72	0.79	0.71	0.39	0.79	0.70	0.57	0.82	0.87	0.96	0.73	1.00	1.00	0.78	1.00	0.58	0.70	0.94	1.00	1.00	1.00	1.00
2	28	11	0.53	1.00	0.24	0.29	0.00	0.00	0.34	0.74	0.57	0.52	0.87	0.68	0.54	0.71	0.75	0.74	0.15	0.11	0.07	0.24	0.99	1.00	1.00	0.64	0.73	0.82	0.72	0.33	0.89	0.65	0.50	0.71	0.87	0.85	0.70	1.00	1.00	0.76	1.00	0.66	0.78	0.85	1.00	1.00	1.00	1.00
2	28	12	0.51	1.00	0.28	0.37	0.00	0.00	0.40	0.67	0.55	0.50	0.83	0.82	0.52	0.85	0.84	0.83	0.17	0.14	0.09	0.26	1.00	1.00	1.00	0.69	0.75	0.81	0.74	0.57	0.80	0.61	0.43	0.92	0.68	0.78	0.72	1.00	1.00	0.83	1.00	0.59	0.72	0.86	1.00	1.00	1.00	1.00
2	28	13	0.51	1.00	0.38	0.41	0.00	0.01	0.45	0.63	0.55	0.50	0.81	0.85	0.52	0.87	0.89	0.89	0.23	0.18	0.13	0.40	0.99	1.00	1.00	0.70	0.75	0.72	0.74	0.56	0.56	0.52	0.38	0.90	0.95	0.86	0.96	1.00	0.99	0.76	1.00	0.39	0.67	0.72	1.00	1.00	1.00	1.00
2	28	14	0.54	1.00	0.24	0.44	0.01	0.03	0.53	0.70	0.57	0.53	0.86	0.81	0.54	0.83	0.89	0.89	0.24	0.16	0.16	0.41	0.98	1.00	1.00	0.67	0.73	0.58	0.72	0.50	0.74	0.57	0.42	0.80	1.00	0.90	0.41	1.00	1.00	0.85	1.00	0.15	0.55	0.84	1.00	1.00	1.00	1.00
2	28	15	0.55	1.00	0.45	0.46	0.00	0.02	0.63	0.73	0.59	0.55	0.87	0.79	0.56	0.81	0.92	0.92	0.22	0.10	0.17	0.49	0.94	1.00	1.00	0.62	0.71	0.68	0.70	0.38	0.89	0.44	0.52	0.64	1.00	0.84	0.73	0.89	1.00	0.82	0.88	0.08	0.60	0.83	0.95	1.00	1.00	1.00
2	28	16	0.50	1.00	0.52	0.44	0.01	0.08	0.72	0.74	0.54	0.49	0.85	0.79	0.51	0.82	0.92	0.92	0.32	0.06	0.15	0.52	0.92	1.00	1.00	0.51	0.64	0.62	0.62	0.44	0.72	0.41	0.43	0.70	0.97	0.85	0.73	0.89	0.92	0.56	0.88	0.38	0.63	0.73	0.73	1.00	1.00	1.00
2	28	17	0.50	1.00	0.61	0.47	0.09	0.04	0.79	0.75	0.54	0.49	0.84	0.76	0.50	0.78	0.89	0.88	0.52	0.02	0.10	0.51	0.88	1.00	1.00	0.29	0.43	0.37	0.42	0.37	0.47	0.41	0.38	0.37	0.71	0.64	0.56	0.62	0.57	0.42	0.61	0.35	0.48	0.41	0.27	1.00	1.00	1.00
2	28	18	0.48	1.00	0.60	0.46	0.30	0.03	0.83	0.76	0.52	0.47	0.77	0.71	0.48	0.74	0.86	0.85	0.48	0.03	0.08	0.44	0.83	1.00	1.00	0.02	0.09	0.06	0.09	0.13	0.16	0.13	0.10	0.12	0.21	0.17	0.10	0.13	0.11	0.06	0.13	0.08	0.11	0.03	0.00	1.00	1.00	1.00
2	28	19	0.59	1.00	0.54	0.48	0.51	0.18	0.86	0.79	0.63	0.58	0.74	0.77	0.59	0.80	0.86	0.85	0.51	0.17	0.04	0.44	0.85	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
2	28	20	0.50	0.99	0.41	0.47	0.48	0.07	0.87	0.81	0.55	0.50	0.72	0.83	0.51	0.85	0.85	0.84	0.69	0.18	0.03	0.37	0.86	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	21	0.31	0.99	0.38	0.42	0.27	0.16	0.91	0.80	0.36	0.30	0.70	0.75	0.32	0.78	0.84	0.83	0.72	0.07	0.04	0.32	0.83	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	22	0.28	1.00	0.51	0.38	0.17	0.30	0.88	0.77	0.33	0.27	0.63	0.69	0.29	0.72	0.87	0.87	0.76	0.10	0.10	0.29	0.73	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	23	0.27	0.95	0.55	0.39	0.08	0.30	0.84	0.72	0.33	0.27	0.61	0.57	0.28	0.62	0.91	0.90	0.77	0.19	0.17	0.26	0.64	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2	28	24	0.31	0.82	0.59	0.39	0.01	0.31	0.80	0.66	0.37	0.31	0.53	0.45	0.32	0.50	0.93	0.93	0.86	0.14	0.22	0.25	0.56	0.82	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	1	0.31	0.78	0.61	0.40	0.00	0.32	0.77	0.67	0.36	0.30	0.43	0.41	0.32	0.47	0.92	0.92	0.91	0.11	0.36	0.24	0.53	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	2	0.38	0.77	0.57	0.40	0.00	0.35	0.77	0.72	0.43	0.37	0.35	0.31	0.39	0.38	0.91	0.90	0.93	0.13	0.51	0.22	0.51	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	3	0.36	0.78	0.52	0.41	0.00	0.37	0.74	0.78	0.41	0.36	0.32	0.22	0.37	0.30	0.88	0.88	0.89	0.16	0.61	0.14	0.46	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	4	0.28	0.80	0.55	0.41	0.00	0.37	0.70	0.78	0.34	0.28	0.28	0.15	0.29	0.22	0.83	0.82	0.86	0.18	0.74	0.11	0.44	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	5	0.17	0.80	0.46	0.43	0.00	0.34	0.67	0.71	0.23	0.16	0.25	0.07	0.18	0.14	0.78	0.78	0.85	0.14	0.80	0.10	0.47	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	6	0.08	0.81	0.39	0.44	0.00	0.28	0.65	0.66	0.13	0.07	0.17	0.02	0.09	0.09	0.73	0.72	0.92	0.12	0.83	0.13	0.47	0.81	0.77	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.00	1.00	1.00
3	1	7	0.07	0.79	0.32	0.42	0.00	0.20	0.69	0.61	0.13	0.06	0.11	0.03	0.08	0.10	0.73	0.72	0.93	0.10	0.86	0.12	0.38	0.79	0.75	0.00	0.08	0.30	0.07	0.01	0.00	0.00	0.05	0.02	0.09	0.19	0.29	0.25	0.22	0.15	0.24	0.29	0.26	0.39	0.64	1.00	1.00	1.00
3	1	8	0.05	0.73	0.34	0.36	0.00	0.09	0.72	0.58	0.11	0.04	0.09	0.03	0.06	0.10	0.69	0.68	0.92	0.06	0.89	0.06	0.27	0.73	0.67	0.14	0.36	0.60	0.35	0.23	0.04	0.17	0.43	0.40	0.51	0.67	0.71	0.68	0.67	0.59	0.68	0.63	0.58	0.76	0.95	1.00	1.00	1.00
3	1	9	0.01	0.67	0.33	0.28	0.00	0.03	0.71	0.51	0.06	0.00	0.02	0.00	0.02	0.06	0.69	0.68	0.80	0.04	0.93	0.04	0.29	0.67	0.61	0.41	0.61	0.76	0.60	0.37	0.43	0.48	0.63	0.66	0.75	0.91	0.93	0.90	0.90	0.79	0.89	0.75	0.73	0.94	1.00	1.00	1.00	1.00
3	1	10	0.00	0.66	0.54	0.28	0.00	0.06	0.72	0.46	0.03	0.00	0.00	0.00	0.00	0.04	0.72	0.70	0.73	0.03	0.93	0.04	0.30	0.66	0.59	0.63	0.79	0.90	0.78	0.33	0.58	0.81	0.69	0.94	1.00	1.00	1.00	1.00	1.00	0.96	1.00	0.80	0.86	1.00	1.00	1.00	1.00	1.00
3	1	11	0.00	0.66	0.64	0.32	0.00	0.10	0.73	0.43	0.02	0.00	0.00	0.00	0.00	0.02	0.74	0.73	0.79	0.02	0.95	0.03	0.28	0.66	0.59	0.76	0.87	0.93	0.85	0.35	0.83	0.80	0.72	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.79	0.81	1.00	1.00	1.00	1.00	1.00
3	1	12	0.00	0.66	0.63	0.33	0.00	0.18	0.77	0.41	0.02	0.00	0.00	0.00	0.00	0.01	0.76	0.75	0.82	0.02	0.97	0.03	0.29	0.66	0.59	0.82	0.89	0.98	0.87	0.34	0.73	0.84	0.77	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.85	0.82	1.00	1.00	1.00	1.00	1.00
3	1	13	0.00	0.69	0.63	0.34	0.00	0.20	0.80	0.45	0.04	0.00	0.00	0.00	0.00	0.00	0.70	0.69	0.69	0.01	0.98	0.05	0.32	0.69	0.62	0.78	0.85	0.89	0.83	0.28	0.56	0.70	0.70	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	0.80	0.78	1.00	1.00	1.00	1.00	1.00
3	1	14	0.02	0.70	0.60	0.33	0.00	0.25	0.83	0.53	0.08	0.01	0.00	0.00	0.03	0.00	0.68	0.66	0.72	0.01	0.98	0.08	0.32	0.71	0.64	0.77	0.85	0.87	0.83	0.31	0.71	0.70	0.86	0.92	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.81	0.81	1.00	1.00	1.00	1.00	1.00
3	1	15	0.06	0.68	0.61	0.32	0.00	0.30	0.84	0.60	0.12	0.05	0.00	0.00	0.07	0.00	0.66	0.64	0.74	0.01	0.98	0.12	0.30	0.68	0.62	0.70	0.80	0.84	0.79	0.26	0.58	0.83	0.76	0.79	1.00	0.98	1.00	1.00	1.00	1.00	1.00	0.88	0.82	1.00	1.00	1.00	1.00	1.00
3	1	16	0.10	0.67	0.54	0.31	0.00	0.31	0.87	0.66	0.16	0.09	0.00	0.00	0.11	0.01	0.59	0.58	0.72	0.01	0.96	0.13	0.25	0.67	0.61	0.55	0.68	0.76	0.67	0.29	0.39	0.75	0.58	0.78	0.96	0.90	0.93	0.81	0.89	0.87	0.81	0.77	0.76	0.89	0.86	1.00	1.00	1.00
3	1	17	0.15	0.69	0.38	0.27	0.02	0.30	0.88	0.74	0.21	0.14	0.00	0.00	0.16	0.02	0.48	0.47	0.63	0.03	0.93	0.14	0.21	0.69	0.63	0.32	0.48	0.49	0.47	0.42	0.50	0.58	0.49	0.57	0.63	0.62	0.63	0.57	0.50	0.58	0.56	0.58	0.58	0.48	0.33	1.00	1.00	1.00
3	1	18	0.21	0.76	0.30	0.28	0.13	0.35	0.90	0.83	0.27	0.20	0.00	0.00	0.22	0.04	0.34	0.32	0.54	0.07	0.94	0.17	0.27	0.76	0.70	0.02	0.11	0.07	0.11	0.15	0.17	0.22	0.15	0.20	0.19	0.17	0.14	0.11	0.09	0.13	0.11	0.07	0.13	0.03	0.00	1.00	1.00	1.00
3	1	19	0.23	0.78	0.22	0.32	0.26	0.67	0.92	0.89	0.29	0.23	0.00	0.00	0.24	0.05	0.33	0.31	0.48	0.09	0.87	0.17	0.31	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	20	0.23	0.77	0.18	0.31	0.33	0.77	0.92	0.89	0.29	0.22	0.00	0.00	0.24	0.04	0.33	0.31	0.55	0.08	0.83	0.12	0.25	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	21	0.22	0.78	0.09	0.28	0.23	0.79	0.91	0.90	0.28	0.21	0.00	0.00	0.23	0.04	0.31	0.29	0.48	0.06	0.82	0.10	0.20	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	22	0.23	0.79	0.01	0.27	0.06	0.59	0.88	0.89	0.28	0.22	0.03	0.00	0.24	0.04	0.28	0.26	0.42	0.02	0.82	0.09	0.20	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	23	0.27	0.77	0.00	0.25	0.01	0.70	0.86	0.86	0.33	0.27	0.06	0.00	0.28	0.06	0.26	0.23	0.45	0.02	0.85	0.07	0.23	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	1	24	0.26	0.71	0.00	0.22	0.00	0.57	0.83	0.82	0.32	0.25	0.10	0.01	0.27	0.08	0.25	0.23	0.35	0.04	0.92	0.11	0.26	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	1	0.23	0.63	0.00	0.20	0.00	0.59	0.83	0.78	0.28	0.22	0.18	0.03	0.24	0.10	0.24	0.21	0.30	0.06	0.89	0.17	0.27	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	2	0.15	0.57	0.00	0.19	0.00	0.58	0.81	0.72	0.21	0.14	0.30	0.08	0.16	0.15	0.24	0.21	0.33	0.09	0.86	0.21	0.30	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	3	0.11	0.55	0.00	0.17	0.00	0.47	0.79	0.62	0.17	0.10	0.44	0.16	0.12	0.23	0.23	0.21	0.25	0.08	0.79	0.24	0.35	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	4	0.09	0.52	0.00	0.16	0.00	0.38	0.81	0.52	0.15	0.08	0.54	0.18	0.10	0.25	0.23	0.21	0.19	0.07	0.73	0.31	0.43	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	5	0.04	0.51	0.00	0.15	0.00	0.42	0.81	0.43	0.09	0.03	0.60	0.22	0.05	0.29	0.22	0.20	0.14	0.07	0.78	0.37	0.43	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	6	0.00	0.51	0.00	0.13	0.00	0.40	0.83	0.31	0.03	0.00	0.62	0.29	0.00	0.36	0.22	0.19	0.10	0.07	0.74	0.41	0.43	0.51	0.42	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.00	1.00	1.00
3	2	7	0.00	0.50	0.00	0.11	0.00	0.41	0.82	0.21	0.03	0.00	0.59	0.32	0.00	0.39	0.20	0.18	0.07	0.08	0.75	0.44	0.33	0.50	0.41	0.00	0.06	0.26	0.06	0.00	0.01	0.02	0.05	0.02	0.06	0.17	0.24	0.20	0.18	0.13	0.20	0.27	0.19	0.33	0.58	1.00	1.00	1.00
3	2	8	0.03	0.53	0.00	0.07	0.00	0.20	0.81	0.19	0.09	0.03	0.54	0.32	0.04	0.39	0.17	0.15	0.04	0.05	0.84	0.42	0.14	0.53	0.44	0.15	0.38	0.61	0.38	0.21	0.36	0.39	0.42	0.40	0.56	0.63	0.69	0.67	0.62	0.60	0.66	0.66	0.57	0.72	0.90	1.00	1.00	1.00
3	2	9	0.04	0.57	0.00	0.03	0.00	0.04	0.79	0.22	0.10	0.03	0.69	0.35	0.05	0.42	0.12	0.10	0.03	0.02	0.94	0.47	0.10	0.57	0.49	0.44	0.66	0.82	0.65	0.40	0.68	0.70	0.67	0.75	0.86	0.88	0.92	0.90	0.86	0.84	0.89	0.86	0.76	0.93	1.00	1.00	1.00	1.00
3	2	10	0.11	0.59	0.00	0.02	0.00	0.02	0.79	0.16	0.17	0.10	0.80	0.44	0.12	0.50	0.10	0.08	0.03	0.02	0.97	0.60	0.14	0.59	0.51	0.66	0.84	0.92	0.82	0.52	0.84	0.87	0.85	0.94	1.00	0.98	1.00	1.00	0.96	1.00	0.99	0.89	0.84	1.00	1.00	1.00	1.00	1.00
3	2	11	0.16	0.59	0.00	0.02	0.00	0.02	0.77	0.11	0.22	0.15	0.84	0.46	0.17	0.52	0.11	0.09	0.03	0.09	0.99	0.67	0.23	0.59	0.51	0.80	0.92	0.91	0.90	0.59	0.93	0.94	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.78	0.78	1.00	1.00	1.00	1.00	1.00
3	2	12	0.15	0.62	0.00	0.03	0.00	0.06	0.76	0.09	0.21	0.14	0.83	0.45	0.16	0.50	0.10	0.08	0.02	0.20	0.99	0.70	0.25	0.62	0.54	0.89	0.97	0.93	0.95	0.65	0.97	0.98	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.76	0.81	1.00	1.00	1.00	1.00	1.00
3	2	13	0.16	0.72	0.00	0.05	0.00	0.06	0.74	0.06	0.21	0.15	0.78	0.44	0.17	0.50	0.10	0.08	0.01	0.34	0.99	0.72	0.27	0.72	0.66	0.89	0.96	0.95	0.94	0.55	0.95	0.97	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.79	0.83	1.00	1.00	1.00	1.00	1.00
3	2	14	0.21	0.84	0.00	0.06	0.00	0.08	0.75	0.03	0.27	0.20	0.80	0.46	0.22	0.51	0.10	0.08	0.01	0.48	0.99	0.71	0.31	0.84	0.79	0.86	0.95	0.93	0.93	0.59	0.96	0.95	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.83	0.87	1.00	1.00	1.00	1.00	1.00
3	2	15	0.21	0.78	0.00	0.06	0.00	0.09	0.77	0.00	0.26	0.20	0.78	0.47	0.22	0.52	0.11	0.09	0.01	0.57	0.99	0.72	0.28	0.78	0.74	0.78	0.90	0.88	0.89	0.62	0.91	0.92	0.87	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.88	0.85	1.00	0.91	1.00	1.00	1.00
3	2	16	0.27	0.73	0.00	0.05	0.00	0.10	0.79	0.00	0.33	0.26	0.75	0.45	0.28	0.51	0.12	0.10	0.01	0.65	0.99	0.72	0.25	0.73	0.67	0.62	0.78	0.80	0.77	0.71	0.80	0.81	0.75	0.88	0.95	0.93	0.93	0.89	0.86	0.83	0.88	0.75	0.77	0.86	0.78	1.00	1.00	1.00
3	2	17	0.26	0.61	0.00	0.04	0.00	0.07	0.78	0.00	0.31	0.25	0.70	0.43	0.26	0.49	0.14	0.11	0.01	0.56	0.98	0.68	0.28	0.61	0.54	0.34	0.50	0.50	0.49	0.58	0.57	0.54	0.52	0.57	0.63	0.65	0.63	0.59	0.57	0.53	0.59	0.46	0.59	0.49	0.33	1.00	1.00	1.00
3	2	18	0.28	0.66	0.00	0.07	0.01	0.06	0.80	0.00	0.34	0.27	0.64	0.38	0.29	0.44	0.18	0.16	0.02	0.51	0.94	0.60	0.48	0.66	0.59	0.03	0.13	0.08	0.12	0.22	0.23	0.20	0.17	0.22	0.19	0.19	0.14	0.13	0.12	0.11	0.13	0.08	0.15	0.04	0.00	1.00	1.00	1.00
3	2	19	0.25	0.73	0.01	0.10	0.05	0.04	0.77	0.04	0.30	0.24	0.61	0.43	0.26	0.49	0.26	0.23	0.02	0.45	0.89	0.51	0.54	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	20	0.24	0.73	0.00	0.12	0.05	0.06	0.65	0.04	0.29	0.23	0.59	0.47	0.25	0.52	0.30	0.28	0.02	0.36	0.86	0.48	0.62	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	21	0.21	0.79	0.01	0.15	0.01	0.09	0.52	0.01	0.26	0.20	0.61	0.46	0.22	0.52	0.32	0.30	0.02	0.28	0.83	0.47	0.65	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	22	0.18	0.79	0.02	0.21	0.00	0.11	0.38	0.00	0.23	0.17	0.60	0.43	0.19	0.49	0.33	0.31	0.02	0.18	0.79	0.51	0.66	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	23	0.19	0.76	0.05	0.27	0.00	0.15	0.19	0.00	0.25	0.19	0.65	0.37	0.20	0.43	0.31	0.28	0.03	0.14	0.76	0.51	0.49	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	2	24	0.16	0.66	0.08	0.35	0.00	0.09	0.08	0.03	0.22	0.15	0.66	0.39	0.17	0.45	0.29	0.26	0.05	0.12	0.75	0.51	0.37	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	1	0.17	0.58	0.12	0.47	0.00	0.02	0.05	0.12	0.22	0.16	0.61	0.38	0.18	0.44	0.26	0.24	0.07	0.09	0.72	0.48	0.34	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	2	0.17	0.49	0.14	0.51	0.02	0.01	0.03	0.29	0.23	0.16	0.63	0.41	0.18	0.48	0.24	0.22	0.08	0.08	0.75	0.48	0.31	0.48	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	3	0.18	0.55	0.15	0.51	0.11	0.01	0.02	0.41	0.23	0.17	0.62	0.40	0.19	0.46	0.22	0.20	0.10	0.06	0.81	0.51	0.25	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	4	0.16	0.59	0.17	0.51	0.27	0.03	0.00	0.44	0.22	0.15	0.58	0.43	0.17	0.49	0.20	0.18	0.12	0.05	0.89	0.52	0.26	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	5	0.14	0.46	0.17	0.52	0.23	0.05	0.00	0.43	0.19	0.13	0.63	0.42	0.15	0.48	0.19	0.17	0.13	0.04	0.90	0.53	0.27	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	6	0.15	0.27	0.18	0.52	0.23	0.05	0.00	0.48	0.21	0.14	0.66	0.44	0.16	0.50	0.18	0.16	0.15	0.04	0.92	0.50	0.28	0.26	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.00	1.00	1.00
3	3	7	0.16	0.16	0.19	0.54	0.24	0.03	0.00	0.47	0.22	0.15	0.68	0.43	0.17	0.49	0.16	0.14	0.15	0.04	0.93	0.48	0.25	0.16	0.06	0.00	0.07	0.27	0.07	0.02	0.01	0.02	0.06	0.02	0.08	0.18	0.27	0.23	0.20	0.10	0.22	0.30	0.24	0.35	0.48	1.00	1.00	1.00
3	3	8	0.16	0.14	0.18	0.53	0.10	0.05	0.00	0.41	0.22	0.15	0.76	0.46	0.17	0.51	0.14	0.12	0.14	0.02	0.92	0.43	0.20	0.14	0.05	0.16	0.41	0.66	0.40	0.43	0.36	0.39	0.48	0.43	0.59	0.66	0.69	0.66	0.62	0.53	0.66	0.66	0.65	0.73	0.84	1.00	1.00	1.00
3	3	9	0.17	0.16	0.18	0.45	0.01	0.01	0.00	0.30	0.22	0.16	0.77	0.51	0.18	0.57	0.08	0.07	0.10	0.03	0.91	0.38	0.21	0.16	0.06	0.45	0.68	0.89	0.67	0.69	0.68	0.69	0.77	0.75	0.88	0.91	0.91	0.89	0.79	0.79	0.88	0.84	0.83	0.92	1.00	1.00	1.00	1.00
3	3	10	0.23	0.17	0.17	0.42	0.00	0.00	0.00	0.34	0.29	0.22	0.79	0.49	0.24	0.54	0.04	0.02	0.07	0.04	0.93	0.40	0.25	0.17	0.06	0.67	0.85	0.97	0.83	0.78	0.83	0.84	0.92	0.91	1.00	1.00	1.00	1.00	0.87	0.87	1.00	0.92	0.90	0.99	1.00	1.00	1.00	1.00
3	3	11	0.29	0.15	0.16	0.42	0.00	0.00	0.00	0.43	0.35	0.28	0.75	0.44	0.30	0.50	0.02	0.01	0.05	0.06	0.93	0.42	0.29	0.15	0.05	0.82	0.94	1.00	0.92	0.90	0.91	0.92	0.96	0.99	1.00	1.00	1.00	1.00	0.98	0.94	1.00	0.94	0.92	1.00	1.00	1.00	1.00	1.00
3	3	12	0.34	0.12	0.16	0.40	0.00	0.00	0.00	0.54	0.39	0.33	0.69	0.39	0.34	0.45	0.02	0.01	0.04	0.07	0.92	0.42	0.27	0.12	0.03	0.90	0.99	1.00	0.97	0.87	0.95	0.96	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.95	1.00	1.00	1.00	1.00	1.00
3	3	13	0.37	0.12	0.16	0.37	0.00	0.03	0.05	0.62	0.42	0.36	0.65	0.37	0.38	0.43	0.03	0.01	0.02	0.08	0.91	0.43	0.26	0.12	0.03	0.90	0.98	1.00	0.96	0.86	0.93	0.95	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.94	1.00	1.00	1.00	1.00	1.00
3	3	14	0.40	0.10	0.16	0.34	0.00	0.03	0.00	0.66	0.45	0.40	0.59	0.38	0.41	0.44	0.03	0.02	0.01	0.09	0.92	0.44	0.27	0.10	0.02	0.86	0.95	1.00	0.93	0.85	0.93	0.92	0.94	0.98	1.00	1.00	1.00	1.00	0.96	0.99	1.00	0.91	0.93	1.00	1.00	1.00	1.00	1.00
3	3	15	0.45	0.10	0.16	0.30	0.00	0.04	0.00	0.65	0.49	0.44	0.60	0.34	0.46	0.41	0.04	0.03	0.00	0.11	0.94	0.44	0.27	0.10	0.02	0.77	0.89	0.99	0.87	0.90	0.87	0.86	0.88	0.88	0.97	1.00	1.00	1.00	0.94	0.86	1.00	0.95	0.94	0.95	1.00	1.00	1.00	1.00
3	3	16	0.46	0.10	0.17	0.27	0.00	0.04	0.00	0.61	0.50	0.45	0.56	0.33	0.47	0.39	0.06	0.04	0.00	0.14	0.95	0.48	0.26	0.10	0.02	0.62	0.77	0.86	0.76	0.91	0.79	0.76	0.80	0.74	0.89	0.94	0.90	0.88	0.77	0.81	0.88	0.89	0.86	0.84	0.88	1.00	1.00	1.00
3	3	17	0.41	0.10	0.16	0.26	0.00	0.03	0.00	0.55	0.46	0.41	0.59	0.32	0.42	0.39	0.08	0.06	0.00	0.17	0.98	0.53	0.24	0.10	0.02	0.33	0.48	0.54	0.47	0.74	0.55	0.47	0.54	0.45	0.51	0.70	0.52	0.58	0.52	0.55	0.58	0.64	0.65	0.50	0.37	1.00	1.00	1.00
3	3	18	0.43	0.15	0.19	0.30	0.00	0.01	0.00	0.53	0.47	0.42	0.59	0.33	0.43	0.40	0.12	0.10	0.00	0.19	0.99	0.60	0.30	0.15	0.05	0.03	0.13	0.10	0.12	0.33	0.24	0.16	0.18	0.16	0.15	0.21	0.10	0.14	0.11	0.13	0.14	0.13	0.18	0.05	0.00	1.00	1.00	1.00
3	3	19	0.37	0.21	0.20	0.30	0.00	0.01	0.00	0.51	0.42	0.36	0.66	0.39	0.38	0.46	0.15	0.13	0.02	0.17	0.99	0.62	0.44	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	3	20	0.29	0.22	0.20	0.26	0.00	0.00	0.00	0.39	0.34	0.28	0.65	0.42	0.29	0.48	0.19	0.17	0.02	0.14	0.99	0.57	0.61	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	21	0.19	0.23	0.20	0.22	0.00	0.01	0.00	0.30	0.25	0.18	0.68	0.47	0.20	0.53	0.22	0.20	0.03	0.10	0.99	0.51	0.53	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind																							Solar																				Geothermal	Biomass	Small Hydro
			CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
3	3	22	0.15	0.29	0.20	0.19	0.00	0.03	0.00	0.26	0.21	0.14	0.67	0.45	0.16	0.51	0.29	0.27	0.04	0.09	0.99	0.50	0.39	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	23	0.15	0.33	0.20	0.17	0.00	0.04	0.02	0.26	0.21	0.14	0.65	0.42	0.16	0.48	0.35	0.33	0.04	0.07	0.99	0.49	0.26	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	3	24	0.13	0.35	0.20	0.15	0.00	0.02	0.02	0.23	0.19	0.12	0.69	0.44	0.14	0.50	0.37	0.35	0.05	0.09	0.99	0.50	0.18	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	1	0.13	0.37	0.19	0.15	0.00	0.01	0.01	0.24	0.19	0.12	0.66	0.44	0.14	0.50	0.38	0.36	0.05	0.07	0.99	0.52	0.14	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	2	0.10	0.41	0.19	0.16	0.00	0.02	0.06	0.26	0.16	0.10	0.59	0.42	0.11	0.48	0.38	0.36	0.05	0.05	0.98	0.49	0.14	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	3	0.09	0.33	0.18	0.18	0.00	0.02	0.18	0.29	0.15	0.08	0.51	0.37	0.10	0.44	0.36	0.34	0.05	0.03	0.97	0.45	0.16	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	4	0.09	0.18	0.18	0.21	0.00	0.01	0.24	0.27	0.15	0.08	0.45	0.37	0.10	0.43	0.34	0.32	0.05	0.02	0.95	0.41	0.17	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	5	0.09	0.09	0.20	0.25	0.00	0.00	0.29	0.33	0.15	0.08	0.40	0.38	0.10	0.44	0.33	0.31	0.06	0.01	0.93	0.39	0.18	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	6	0.09	0.06	0.21	0.29	0.02	0.00	0.30	0.29	0.15	0.08	0.32	0.39	0.10	0.45	0.31	0.29	0.06	0.01	0.89	0.35	0.22	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.00	1.00	1.00
3	4	7	0.08	0.03	0.22	0.32	0.06	0.00	0.31	0.25	0.14	0.07	0.26	0.38	0.09	0.45	0.29	0.27	0.06	0.00	0.84	0.34	0.23	0.03	0.00	0.00	0.06	0.30	0.06	0.02	0.01	0.00	0.04	0.01	0.05	0.18	0.26	0.21	0.14	0.12	0.21	0.32	0.25	0.36	0.61	1.00	1.00	1.00
3	4	8	0.08	0.02	0.20	0.29	0.02	0.00	0.29	0.23	0.14	0.07	0.22	0.33	0.09	0.40	0.26	0.24	0.04	0.00	0.77	0.31	0.17	0.02	0.00	0.14	0.35	0.66	0.34	0.31	0.27	0.22	0.37	0.27	0.51	0.63	0.69	0.63	0.53	0.52	0.63	0.69	0.64	0.72	0.94	1.00	1.00	1.00
3	4	9	0.07	0.01	0.16	0.16	0.00	0.00	0.27	0.24	0.12	0.06	0.16	0.32	0.08	0.39	0.24	0.21	0.03	0.00	0.73	0.29	0.14	0.01	0.00	0.41	0.60	0.90	0.59	0.55	0.49	0.55	0.62	0.61	0.76	0.85	0.89	0.85	0.80	0.66	0.85	0.89	0.85	0.89	1.00	1.00	1.00	1.00
3	4	10	0.08	0.01	0.11	0.10	0.00	0.00	0.18	0.27	0.14	0.07	0.16	0.32	0.09	0.39	0.23	0.20	0.03	0.00	0.75	0.28	0.17	0.01	0.00	0.58	0.73	1.00	0.72	0.71	0.44	0.70	0.79	0.75	0.91	0.91	1.00	0.95	0.84	0.74	0.94	0.96	0.94	0.97	1.00	1.00	1.00	1.00
3	4	11	0.10	0.01	0.09	0.09	0.00	0.00	0.12	0.34	0.16	0.09	0.19	0.31	0.11	0.38	0.22	0.19	0.04	0.00	0.77	0.23	0.18	0.01	0.00	0.71	0.82	1.00	0.81	0.81	0.67	0.69	0.85	0.71	1.00	1.00	1.00	1.00	0.91	0.83	1.00	0.96	0.94	0.98	1.00	1.00	1.00	1.00
3	4	12	0.13	0.00	0.08	0.07	0.00	0.00	0.09	0.41	0.19	0.12	0.21	0.29	0.14	0.36	0.21	0.18	0.06	0.00	0.78	0.16	0.17	0.00	0.00	0.78	0.87	1.00	0.85	0.82	0.85	0.80	0.81	0.65	1.00	1.00	0.98	1.00	0.98	0.90	1.00	0.94	0.95	0.98	1.00	1.00	1.00	1.00
3	4	13	0.14	0.00	0.08	0.06	0.00	0.02	0.08	0.46	0.20	0.13	0.20	0.25	0.15	0.32	0.18	0.16	0.08	0.00	0.77	0.12	0.15	0.00	0.00	0.78	0.86	1.00	0.84	0.68	0.74	0.84	0.84	0.54	1.00	1.00	1.00	1.00	1.00	0.87	1.00	0.96	0.95	1.00	1.00	1.00	1.00	1.00
3	4	14	0.14	0.01	0.06	0.05	0.00	0.03	0.04	0.46	0.20	0.13	0.18	0.20	0.15	0.27	0.15	0.13	0.11	0.00	0.75	0.12	0.15	0.01	0.00	0.72	0.80	1.00	0.79	0.68	0.76	0.69	0.68	0.53	0.86	0.97	1.00	1.00	0.93	0.95	1.00	0.97	0.94	0.95	1.00	1.00	1.00	1.00
3	4	15	0.14	0.01	0.04	0.04	0.00	0.03	0.00	0.41	0.20	0.13	0.16	0.19	0.15	0.26	0.14	0.12	0.13	0.00	0.74	0.13	0.11	0.01	0.00	0.58	0.67	0.95	0.66	0.68	0.57	0.62	0.59	0.43	0.62	0.92	0.95	0.88	0.71	0.76	0.87	0.96	0.90	0.82	1.00	1.00	1.00	1.00
3	4	16	0.11	0.03	0.04	0.04	0.00	0.04	0.00	0.32	0.17	0.10	0.14	0.21	0.12	0.29	0.13	0.11	0.14	0.00	0.74	0.15	0.08	0.03	0.00	0.41	0.52	0.78	0.51	0.62	0.50	0.62	0.49	0.18	0.30	0.78	0.72	0.72	0.70	0.52	0.72	0.79	0.72	0.68	0.83	1.00	1.00	1.00
3	4	17	0.08	0.07	0.04	0.05	0.00	0.07	0.00	0.21	0.14	0.07	0.11	0.26	0.09	0.33	0.14	0.12	0.19	0.00	0.79	0.16	0.06	0.07	0.00	0.19	0.28	0.46	0.27	0.42	0.42	0.35	0.20	0.13	0.23	0.47	0.38	0.37	0.40	0.15	0.37	0.53	0.49	0.30	0.38	1.00	1.00	1.00
3	4	18	0.06	0.14	0.05	0.06	0.00	0.09	0.04	0.19	0.12	0.05	0.11	0.37	0.07	0.43	0.18	0.16	0.20	0.00	0.77	0.21	0.08	0.14	0.04	0.01	0.06	0.08	0.06	0.16	0.17	0.10	0.04	0.04	0.04	0.12	0.06	0.06	0.08	0.01	0.06	0.10	0.11	0.03	0.00	1.00	1.00	1.00
3	4	19	0.05	0.18	0.06	0.06	0.00	0.05	0.12	0.20	0.11	0.04	0.08	0.41	0.06	0.47	0.24	0.22	0.21	0.00	0.75	0.20	0.13	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	4	20	0.01	0.23	0.07	0.06	0.00	0.02	0.16	0.19	0.06	0.00	0.05	0.41	0.01	0.47	0.32	0.29	0.19	0.01	0.76	0.21	0.18	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	21	0.00	0.32	0.08	0.07	0.00	0.26	0.14	0.19	0.05	0.00	0.06	0.40	0.00	0.47	0.35	0.33	0.14	0.01	0.76	0.18	0.21	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	22	0.00	0.40	0.07	0.06	0.00	0.45	0.11	0.21	0.04	0.00	0.09	0.40	0.00	0.46	0.35	0.33	0.06	0.01	0.73	0.14	0.21	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	23	0.00	0.47	0.08	0.05	0.00	0.41	0.12	0.18	0.05	0.00	0.12	0.46	0.01	0.52	0.35	0.33	0.06	0.01	0.71	0.16	0.19	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	4	24	0.00	0.51	0.02	0.05	0.00	0.29	0.16	0.12	0.02	0.00	0.11	0.42	0.00	0.48	0.34	0.32	0.06	0.01	0.70	0.16	0.12	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	1	0.00	0.51	0.02	0.05	0.00	0.17	0.11	0.10	0.01	0.00	0.11	0.44	0.00	0.49	0.33	0.31	0.07	0.02	0.70	0.16	0.07	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	2	0.00	0.51	0.09	0.05	0.00	0.15	0.04	0.08	0.00	0.00	0.13	0.44	0.00	0.50	0.32	0.30	0.07	0.02	0.69	0.16	0.05	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	3	0.00	0.51	0.14	0.05	0.00	0.19	0.02	0.08	0.01	0.00	0.13	0.44	0.00	0.50	0.30	0.27	0.06	0.01	0.67	0.14	0.04	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	4	0.00	0.52	0.14	0.05	0.00	0.24	0.03	0.09	0.01	0.00	0.13	0.41	0.00	0.47	0.27	0.25	0.06	0.01	0.64	0.17	0.03	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	5	0.00	0.52	0.11	0.06	0.00	0.24	0.06	0.09	0.02	0.00	0.12	0.44	0.00	0.50	0.25	0.22	0.05	0.01	0.62	0.17	0.02	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	6	0.00	0.53	0.06	0.07	0.00	0.22	0.05	0.10	0.01	0.00	0.13	0.42	0.00	0.48	0.24	0.22	0.04	0.01	0.61	0.23	0.02	0.53	0.44	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.00	1.00	1.00
3	5	7	0.00	0.50	0.00	0.09	0.00	0.22	0.03	0.08	0.02	0.00	0.13	0.39	0.00	0.45	0.23	0.21	0.04	0.01	0.61	0.19	0.03	0.50	0.41	0.00	0.06	0.15	0.06	0.00	0.01	0.01	0.05	0.02	0.06	0.22	0.28	0.16	0.10	0.13	0.16	0.10	0.13	0.03	0.58	1.00	1.00	1.00
3	5	8	0.00	0.42	0.00	0.09	0.00	0.25	0.01	0.05	0.01	0.00	0.11	0.35	0.00	0.42	0.21	0.19	0.02	0.01	0.59	0.09	0.01	0.42	0.32	0.15	0.35	0.41	0.34	0.06	0.24	0.24	0.44	0.44	0.52	0.65	0.67	0.59	0.54	0.60	0.59	0.57	0.40	0.24	0.90	1.00	1.00	1.00
3	5	9	0.00	0.32	0.00	0.03	0.00	0.12	0.01	0.01	0.00	0.00	0.05	0.32	0.00	0.39	0.17	0.15	0.01	0.00	0.58	0.02	0.00	0.32	0.21	0.42	0.62	0.60	0.60	0.16	0.58	0.59	0.73	0.72	0.84	0.87	0.88	0.85	0.78	0.84	0.84	0.82	0.59	0.40	1.00	1.00	1.00	1.00
3	5	10	0.00	0.25	0.00	0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.02	0.25	0.00	0.32	0.12	0.10	0.01	0.00	0.64	0.00	0.02	0.25	0.14	0.62	0.78	0.80	0.76	0.33	0.77	0.80	0.85	0.82	0.97	0.98	0.97	0.97	0.90	0.97	0.96	0.86	0.80	0.58	1.00	1.00	1.00	1.00
3	5	11	0.00	0.21	0.01	0.01	0.00	0.04	0.03	0.00	0.00	0.00	0.01	0.20	0.00	0.27	0.08	0.06	0.01	0.00	0.67	0.00	0.02	0.21	0.10	0.74	0.86	0.89	0.84	0.48	0.81	0.84	0.91	0.79	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.86	0.93	0.74	1.00	1.00	1.00	1.00
3	5	12	0.00	0.17	0.04	0.02	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.13	0.00	0.21	0.06	0.04	0.01	0.01	0.66	0.00	0.02	0.17	0.07	0.82	0.91	0.92	0.89	0.57	0.89	0.87	0.90	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.78	0.96	0.83	1.00	1.00	1.00	1.00
3	5	13	0.00	0.14	0.08	0.01	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.08	0.00	0.15	0.05	0.04	0.01	0.00	0.63	0.00	0.02	0.14	0.04	0.82	0.90	0.94	0.88	0.51	0.92	0.89	0.89	0.85	1.00	1.00	1.00	1.00	0.96	0.98	1.00	0.88	0.91	0.88	0.87	1.00	1.00	1.00
3	5	14	0.00	0.11	0.12	0.01	0.00	0.03	0.07	0.00	0.00	0.00	0.00	0.05	0.00	0.12	0.05	0.03	0.02	0.00	0.57	0.00	0.02	0.11	0.03	0.79	0.88	0.93	0.86	0.57	0.91	0.88	0.89	0.70	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.92	0.91	0.93	0.73	1.00	1.00	1.00
3	5	15	0.00	0.10	0.14	0.02	0.00	0.03	0.11	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.05	0.04	0.02	0.00	0.49	0.00	0.01	0.10	0.02	0.68	0.79	0.84	0.77	0.52	0.87	0.73	0.75	0.57	0.97	1.00	0.97	0.96	0.86	0.90	0.95	0.88	0.88	0.85	0.50	1.00	1.00	1.00
3	5	16	0.00	0.12	0.14	0.03	0.00	0.04	0.17	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.05	0.03	0.01	0.00	0.47	0.00	0.00	0.12	0.03	0.55	0.69	0.66	0.67	0.62	0.70	0.57	0.63	0.67	0.86	0.87	0.88	0.83	0.82	0.77	0.82	0.81	0.74	0.74	0.31	1.00	1.00	1.00
3	5	17	0.00	0.20	0.14	0.03	0.00	0.09	0.21	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.05	0.04	0.02	0.02	0.51	0.00	0.00	0.20	0.09	0.30	0.44	0.42	0.44	0.55	0.42	0.24	0.50	0.49	0.63	0.59	0.65	0.51	0.53	0.53	0.50	0.58	0.51	0.40	0.09	1.00	1.00	1.00
3	5	18	0.00	0.26	0.15	0.03	0.00	0.14	0.26	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.07	0.05	0.02	0.02	0.52	0.00	0.00	0.26	0.14	0.03	0.12	0.09	0.11	0.25	0.18	0.03	0.17	0.19	0.22	0.18	0.18	0.12	0.14	0.13	0.12	0.13	0.13	0.05	0.00	1.00	1.00	1.00
3	5	19	0.00	0.28	0.14	0.02	0.00	0.12	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.06	0.01	0.03	0.53	0.00	0.01	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	5	20	0.00	0.33	0.12	0.02	0.00	0.15	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.13	0.10	0.00	0.03	0.56	0.00	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	21	0.00	0.33	0.12	0.02	0.00	0.27	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.18	0.16	0.01	0.03	0.59	0.00	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	22	0.00	0.35	0.14	0.02	0.00	0.25	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.20	0.18	0.01	0.03	0.62	0.00	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	23	0.00	0.39	0.16	0.01	0.00	0.21	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.18	0.00	0.03	0.66	0.00	0.00	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	5	24	0.00	0.42	0.16	0.01	0.00	0.17	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.19	0.00	0.03	0.73	0.00	0.00	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	1	0.00	0.46	0.16	0.01	0.00	0.19	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.22	0.20	0.00	0.04	0.77	0.00	0.00	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	2	0.00	0.51	0.17	0.01	0.00	0.20	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.19	0.00	0.03	0.77	0.00	0.01	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	3	0.00	0.57	0.17	0.02	0.00	0.23	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.20	0.18	0.00	0.03	0.73	0.00	0.01	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	4	0.00	0.68	0.17	0.03	0.00	0.22	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.20	0.18	0.00	0.02	0.69	0.00	0.02	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	5	0.00	0.72	0.16	0.04	0.00	0.25	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19	0.16	0.00	0.02	0.65	0.00	0.02	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	6	0.00	0.68	0.13	0.05	0.00	0.22	0.15	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.15	0.13	0.00	0.01	0.57	0.00	0.02	0.68	0.61	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.00	1.00	1.00
3	6	7	0.00	0.60	0.08	0.06	0.00	0.17	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.13	0.11	0.00	0.01	0.47	0.00	0.01	0.60	0.52	0.00	0.02	0.21	0.02	0.05	0.02	0.02	0.06	0.02	0.07	0.07	0.00	0.02	0.01	0.01	0.02	0.01	0.13	0.32	0.55	1.00	1.00	1.00
3	6	8	0.00	0.54	0.03	0.07	0.00	0.13	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.13	0.11	0.00	0.00	0.37	0.00	0.00	0.54	0.45	0.10	0.26	0.47	0.26	0.47	0.37	0.40	0.49	0.48	0.47	0.35	0.17	0.08	0.25	0.24	0.08	0.12	0.38	0.61	0.90	1.00	1.00	1.00
3	6	9	0.00	0.55	0.00	0.04	0.00	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.09	0.00	0.00	0.28	0.00	0.00	0.55	0.47	0.36	0.54	0.74	0.53	0.70	0.66	0.68	0.73	0.76	0.83	0.60	0.26	0.48	0.76	0.47	0.47	0.49	0.57	0.77	1.00	1.00	1.00	1.00
3	6	10	0.00	0.63	0.00	0.02	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.06	0.00	0.00	0.22	0.00	0.00	0.63	0.55	0.60	0.76	0.88	0.74	0.84	0.82	0.84	0.88	0.91	0.98	0.93	0.57	0.82	0.86	0.63	0.81	0.67	0.69	0.93	1.00	1.00	1.00	1.00
3	6	11	0.00	0.64	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.06	0.00	0.00	0.17	0.00	0.01	0.64	0.56	0.77	0.89	0.96	0.88	0.90	0.91	0.92	0.93	0.99	1.00	1.00	0.99	0.96	0.88	0.80	0.95	0.91	0.76	0.94	1.00	1.00	1.00	1.00
3	6	12	0.00	0.56	0.00	0.03	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.06	0.00	0.00	0.13	0.00	0.03	0.56	0.48	0.85	0.95	0.97	0.93	0.93	0.95	0.94	0.95	1.00	1.00	1.00	1.00	1.00	0.98	0.85	1.00	0.78	0.92	0.93	1.00	1.00	1.00	1.00
3	6	13	0.00	0.52	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.00	0.00	0.10	0.00	0.06	0.52	0.44	0.87	0.96	0.97	0.94	0.85	0.94	0.93	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.94	1.00	0.88	0.89	0.91	1.00	1.00	1.00	1.00
3	6	14	0.00	0.57	0.00	0.04	0.00	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.00	0.00	0.09	0.00	0.19	0.57	0.48	0.83	0.92	0.90	0.90	0.88	0.90	0.92	0.89	0.98	1.00	0.99	1.00	0.98	0.97	0.88	0.97	0.67	0.92	0.81	1.00	1.00	1.00	1.00
3	6	15	0.00	0.61	0.00	0.04	0.00	0.00	0.09	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.00	0.00	0.09	0.00	0.31	0.61	0.54	0.72	0.84	0.85	0.82	0.77	0.85	0.87	0.88	0.89	0.93	0.95	0.97	0.94	0.78	0.82	0.94	0.65	0.89	0.80	0.98	1.00	1.00	1.00
3	6	16	0.03	0.67	0.00	0.04	0.00	0.01	0.10	0.13	0.08	0.02	0.00	0.00	0.04	0.01	0.10	0.08	0.01	0.00	0.08	0.00	0.14	0.67	0.61	0.54	0.68	0.75	0.66	0.70	0.72	0.77	0.80	0.69	0.83	0.78	0.86	0.75	0.65	0.52	0.75	0.71	0.84	0.61	0.75	1.00	1.00	1.00
3	6	17	0.10	0.84	0.00	0.05	0.00	0.02	0.13	0.22	0.16	0.09	0.00	0.00	0.11	0.02	0.09	0.07	0.02	0.00	0.07	0.00	0.14	0.84	0.80	0.30	0.44	0.49	0.43	0.55	0.54	0.54	0.57	0.45	0.62	0.56	0.55	0.49	0.39	0.32	0.48	0.52	0.63	0.35	0.34	1.00	1.00	1.00
3	6	18	0.17	0.89	0.04	0.07	0.00	0.05	0.18	0.27	0.23	0.16	0.01	0.00	0.18	0.02	0.15	0.12	0.02	0.00	0.05	0.00	0.11	0.90	0.86	0.04	0.13	0.10	0.13	0.25	0.28	0.24	0.21	0.18	0.22	0.18	0.13	0.11	0.09	0.06	0.11	0.13	0.19	0.03	0.00	1.00	1.00	1.00
3	6	19	0.21	0.82	0.05	0.09	0.00	0.06	0.19	0.30	0.26	0.20	0.01	0.00	0.22	0.02	0.29	0.26	0.04	0.00	0.04	0.00	0.10	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	6	20	0.25	0.77	0.05	0.11	0.01	0.07	0.19	0.30	0.30	0.24	0.05	0.01	0.25	0.07	0.37	0.35	0.08	0.00	0.02	0.00	0.10	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	21	0.21	0.65	0.03	0.13	0.02	0.11	0.21	0.26	0.27	0.21	0.08	0.16	0.22	0.24	0.40	0.38	0.11	0.00	0.01	0.00	0.09	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	22	0.13	0.58	0.01	0.13	0.01	0.18	0.23	0.21	0.18	0.12	0.14	0.29	0.13	0.37	0.43	0.41	0.10	0.00	0.02	0.00	0.08	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	23	0.07	0.54	0.01	0.14	0.05	0.24	0.27	0.15	0.13	0.06	0.10	0.12	0.08	0.19	0.43	0.41	0.13	0.00	0.03	0.00	0.06	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	6	24	0.03	0.41	0.00	0.14	0.12	0.31	0.31	0.08	0.09	0.02	0.04	0.01	0.04	0.03	0.44	0.42	0.15	0.00	0.03	0.02	0.03	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	1	0.00	0.32	0.01	0.17	0.07	0.27	0.27	0.05	0.05	0.00	0.00	0.00	0.01	0.01	0.44	0.42	0.19	0.00	0.04	0.03	0.01	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	2	0.00	0.23	0.01	0.18	0.01	0.24	0.23	0.06	0.03	0.00	0.00	0.00	0.00	0.01	0.46	0.44	0.26	0.00	0.06	0.02	0.00	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	3	0.00	0.15	0.00	0.18	0.01	0.28	0.23	0.06	0.01	0.00	0.00	0.00	0.00	0.01	0.50	0.48	0.32	0.00	0.09	0.02	0.00	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	4	0.00	0.12	0.01	0.19	0.05	0.19	0.23	0.04	0.00	0.00	0.00	0.00	0.00	0.07	0.54	0.52	0.39	0.00	0.13	0.02	0.00	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	5	0.00	0.16	0.00	0.21	0.04	0.25	0.20	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.58	0.56	0.39	0.00	0.19	0.02	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	6	0.00	0.19	0.01	0.24	0.08	0.13	0.18	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.61	0.59	0.39	0.01	0.28	0.01	0.00	0.19	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.00	1.00	1.00
3	7	7	0.00	0.24	0.04	0.25	0.11	0.10	0.19	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.67	0.66	0.43	0.01	0.33	0.00	0.00	0.24	0.13	0.00	0.02	0.19	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.06	0.11	0.06	0.09	0.11	0.27	0.10	0.15	0.50	1.00	1.00	1.00
3	7	8	0.00	0.20	0.10	0.24	0.03	0.10	0.15	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.75	0.74	0.40	0.02	0.30	0.00	0.02	0.20	0.10	0.06	0.14	0.38	0.14	0.19	0.24	0.19	0.07	0.11	0.05	0.09	0.14	0.28	0.39	0.20	0.28	0.60	0.23	0.34	0.77	1.00	1.00	1.00
3	7	9	0.00	0.14	0.11	0.22	0.01	0.04	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.72	0.71	0.35	0.02	0.29	0.00	0.03	0.14	0.04	0.20	0.30	0.51	0.29	0.32	0.45	0.59	0.27	0.34	0.19	0.17	0.11	0.43	0.52	0.35	0.43	0.74	0.32	0.51	0.94	1.00	1.00	1.00
3	7	10	0.00	0.12	0.16	0.25	0.06	0.02	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.68	0.67	0.28	0.01	0.34	0.00	0.00	0.12	0.03	0.38	0.47	0.56	0.46	0.43	0.56	0.72	0.53	0.52	0.51	0.11	0.71	0.62	0.53	0.38	0.62	0.79	0.36	0.47	1.00	1.00	1.00	1.00
3	7	11	0.00	0.11	0.16	0.30	0.01	0.01	0.19	0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.66	0.65	0.24	0.03	0.42	0.00	0.00	0.11	0.02	0.46	0.54	0.59	0.53	0.36	0.75	0.81	0.66	0.82	0.65	0.14	0.73	0.56	0.31	0.43	0.56	0.73	0.38	0.58	1.00	1.00	1.00	1.00
3	7	12	0.02	0.09	0.12	0.37	0.00	0.02	0.24	0.09	0.07	0.01	0.02	0.00	0.03	0.02	0.68	0.66	0.24	0.08	0.50	0.01	0.01	0.09	0.01	0.50	0.56	0.64	0.55	0.30	0.91	0.87	0.85	0.91	0.61	0.32	0.43	0.23	0.37	0.59	0.22	0.70	0.40	0.72	1.00	1.00	1.00	1.00
3	7	13	0.11	0.09	0.12	0.41	0.02	0.02	0.31	0.16	0.17	0.10	0.05	0.00	0.12	0.04	0.69	0.67	0.28	0.19	0.53	0.12	0.04	0.09	0.01	0.49	0.54	0.62	0.53	0.22	0.90	0.93	0.80	0.91	0.86	0.42	0.12	0.20	0.24	0.52	0.20	0.61	0.45	0.70	0.98	1.00	1.00	1.00
3	7	14	0.23	0.09	0.18	0.50	0.08	0.10	0.36	0.23	0.29	0.22	0.14	0.00	0.24	0.05	0.71	0.69	0.34	0.32	0.52	0.18	0.09	0.09	0.01	0.50	0.56	0.57	0.55	0.26	0.76	0.93	0.69	0.98	0.94	0.72	0.05	0.20	0.30	0.55	0.19	0.40	0.47	0.66	0.79	1.00	1.00	1.00
3	7	15	0.39	0.09	0.28	0.59	0.12	0.24	0.42	0.32	0.44	0.39	0.25	0.00	0.40	0.06	0.70	0.69	0.38	0.42	0.52	0.24	0.30	0.09	0.01	0.43	0.49	0.40	0.49	0.14	0.74	0.89	0.73	0.98	0.67	0.59	0.08	0.18	0.33	0.39	0.17	0.16	0.30	0.50	0.68	1.00	1.00	1.00
3	7	16	0.51	0.09	0.50	0.59	0.22	0.37	0.47	0.41	0.55	0.50	0.31	0.01	0.52	0.08	0.69	0.68	0.50	0.49	0.49	0.24	0.56	0.09	0.01	0.37	0.46	0.28	0.45	0.12	0.41	0.77	0.81	0.87	0.80	0.60	0.08	0.33	0.25	0.40	0.33	0.13	0.23	0.39	0.49	1.00	1.00	1.00
3	7	17	0.63	0.10	0.72	0.61	0.34	0.55	0.51	0.52	0.66	0.62	0.34	0.01	0.63	0.08	0.66	0.65	0.66	0.62	0.51	0.20	0.24	0.10	0.01	0.24	0.34	0.22	0.34	0.18	0.42	0.48	0.62	0.66	0.60	0.42	0.12	0.31	0.16	0.38	0.31	0.21	0.28	0.26	0.19	1.00	1.00	1.00
3	7	18	0.65	0.11	0.80	0.65	0.47	0.90	0.54	0.70	0.68	0.65	0.39	0.05	0.66	0.12	0.64	0.62	0.79	0.80	0.62	0.15	0.20	0.11	0.02	0.03	0.10	0.03	0.10	0.08	0.20	0.21	0.24	0.30	0.21	0.12	0.01	0.08	0.03	0.09	0.08	0.03	0.06	0.02	0.00	1.00	1.00	1.00
3	7	19	0.66	0.16	0.82	0.63	0.52	0.95	0.56	0.76	0.70	0.66	0.46	0.16	0.67	0.23	0.65	0.64	0.76	0.67	0.66	0.17	0.04	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	20	0.51	0.15	0.81	0.57	0.49	0.88	0.57	0.74	0.55	0.50	0.47	0.27	0.51	0.34	0.79	0.78	0.70	0.43	0.70	0.18	0.04	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	21	0.39	0.12	0.80	0.49	0.39	0.78	0.57	0.72	0.44	0.38	0.45	0.33	0.39	0.40	0.78	0.77	0.77	0.42	0.74	0.19	0.04	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	22	0.26	0.11	0.73	0.41	0.37	0.65	0.60	0.68	0.32	0.26	0.43	0.41	0.27	0.47	0.77	0.76	0.72	0.43	0.76	0.15	0.10	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	23	0.14	0.08	0.71	0.37	0.34	0.70	0.67	0.66	0.20	0.13	0.41	0.50	0.15	0.55	0.70	0.69	0.55	0.37	0.75	0.15	0.25	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	7	24	0.16	0.08	0.77	0.37	0.22	0.91	0.68	0.61	0.22	0.15	0.35	0.53	0.17	0.58	0.60	0.59	0.57	0.40	0.75	0.12	0.26	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	1	0.20	0.08	0.75	0.34	0.10	0.75	0.66	0.59	0.26	0.19	0.31	0.52	0.21	0.57	0.63	0.62	0.60	0.49	0.76	0.13	0.24	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	2	0.20	0.07	0.64	0.31	0.05	0.70	0.68	0.59	0.26	0.19	0.32	0.51	0.21	0.57	0.59	0.58	0.74	0.56	0.75	0.10	0.19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	3	0.14	0.09	0.50	0.27	0.09	0.73	0.71	0.56	0.20	0.13	0.37	0.50	0.15	0.56	0.57	0.56	0.75	0.61	0.72	0.06	0.15	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	4	0.12	0.08	0.43	0.20	0.25	0.75	0.70	0.53	0.17	0.11	0.34	0.51	0.12	0.56	0.55	0.54	0.74	0.60	0.73	0.03	0.12	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	5	0.15	0.10	0.48	0.14	0.31	0.75	0.68	0.49	0.21	0.14	0.34	0.50	0.16	0.55	0.50	0.48	0.56	0.60	0.75	0.01	0.15	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	6	0.17	0.13	0.56	0.12	0.23	0.57	0.65	0.44	0.23	0.16	0.30	0.47	0.18	0.52	0.48	0.46	0.38	0.49	0.76	0.00	0.26	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
3	8	7	0.15	0.19	0.57	0.12	0.09	0.46	0.62	0.38	0.21	0.15	0.26	0.45	0.16	0.51	0.49	0.47	0.23	0.36	0.83	0.01	0.28	0.19	0.08	0.00	0.10	0.25	0.09	0.04	0.02	0.00	0.08	0.02	0.14	0.26	0.32	0.25	0.27	0.22	0.25	0.36	0.29	0.40	0.12	1.00	1.00	1.00
3	8	8	0.10	0.17	0.53	0.08	0.01	0.28	0.55	0.27	0.16	0.09	0.28	0.40	0.11	0.47	0.49	0.47	0.13	0.23	0.83	0.01	0.14	0.17	0.07	0.17	0.40	0.57	0.40	0.34	0.39	0.43	0.45	0.33	0.62	0.68	0.68	0.62	0.66	0.61	0.61	0.69	0.63	0.72	0.25	1.00	1.00	1.00
3	8	9	0.01	0.18	0.46	0.03	0.00	0.27	0.46	0.15	0.06	0.01	0.25	0.23	0.02	0.30	0.44	0.42	0.15	0.11	0.82	0.00	0.10	0.18	0.07	0.44	0.66	0.76	0.64	0.58	0.68	0.70	0.62	0.60	0.87	0.87	0.89	0.85	0.87	0.83	0.84	0.86	0.81	0.89	0.40	1.00	1.00	1.00
3	8	10	0.00	0.20	0.45	0.02	0.00	0.12	0.42	0.05	0.03	0.00	0.26	0.09	0.00	0.16	0.42	0.40	0.17	0.05	0.84	0.00	0.09	0.20	0.10	0.66	0.83	0.85	0.81	0.73	0.82	0.86	0.80	0.82	1.00	1.00	1.00	0.98	0.97	0.93	0.97	0.93	0.88	0.98	0.47	1.00	1.00	1.00
3	8	11	0.00	0.26	0.48	0.02	0.00	0.11	0.40	0.00	0.01	0.00	0.25	0.01	0.00	0.07	0.42	0.40	0.17	0.02	0.88	0.00	0.09	0.26	0.15	0.79	0.92	0.89	0.90	0.81	0.88	0.92	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.81	0.94	1.00	0.56	1.00	1.00	1.00
3	8	12	0.00	0.29	0.46	0.02	0.00	0.10	0.39	0.00	0.02	0.00	0.25	0.01	0.00	0.08	0.42	0.40	0.19	0.00	0.94	0.00	0.11	0.29	0.18	0.88	0.97	0.92	0.96	0.86	0.93	0.97	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.82	0.96	1.00	0.59	1.00	1.00	1.00
3	8	13	0.00	0.34	0.40	0.04	0.00	0.08	0.40	0.00	0.01	0.00	0.25	0.02	0.00	0.09	0.41	0.39	0.20	0.01	0.95	0.00	0.13	0.34	0.24	0.88	0.97	0.88	0.95	0.86	0.92	0.96	0.92	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.87	0.90	0.98	0.59	1.00	1.00	1.00
3	8	14	0.00	0.44	0.35	0.05	0.00	0.06	0.42	0.00	0.01	0.00	0.29	0.03	0.00	0.10	0.39	0.37	0.22	0.01	0.95	0.00	0.14	0.44	0.34	0.85	0.94	0.85	0.93	0.92	0.91	0.87	0.88	1.00	1.00	1.00	1.00	1.00	0.99	0.94	1.00	0.87	0.90	0.99	0.48	1.00	1.00	1.00
3	8	15	0.00	0.52	0.32	0.07	0.00	0.06	0.42	0.00	0.02	0.00	0.33	0.06	0.00	0.13	0.37	0.35	0.21	0.00	0.95	0.00	0.14	0.52	0.42	0.76	0.88	0.79	0.86	0.93	0.77	0.83	0.89	0.98	1.00	1.00	0.99	0.98	0.88	0.87	0.97	0.87	0.86	0.90	0.50	1.00	1.00	1.00
3	8	16	0.00	0.46	0.30	0.10	0.00	0.06	0.45	0.03	0.03	0.00	0.36	0.13	0.00	0.20	0.33	0.30	0.18	0.00	0.92	0.00	0.15	0.46	0.37	0.59	0.74	0.71	0.73	0.84	0.63	0.72	0.80	0.87	0.91	0.89	0.87	0.86	0.71	0.73	0.85	0.82	0.74	0.77	0.50	1.00	1.00	1.00
3	8	17	0.03	0.60	0.28	0.13	0.00	0.08	0.48	0.13	0.08	0.02	0.37	0.32	0.03	0.39	0.25	0.22	0.13	0.00	0.90	0.00	0.13	0.60	0.52	0.32	0.48	0.46	0.47	0.55	0.50	0.46	0.55	0.64	0.67	0.66	0.50	0.62	0.44	0.45	0.61	0.52	0.49	0.52	0.28	1.00	1.00	1.00
3	8	18	0.10	0.69	0.23	0.16	0.06	0.14	0.53	0.24	0.17	0.10	0.37	0.41	0.11	0.47	0.23	0.21	0.10	0.03	0.92	0.01	0.08	0.69	0.60	0.04	0.15	0.09	0.15	0.26	0.26	0.22	0.22	0.31	0.25	0.23	0.12	0.18	0.11	0.12	0.18	0.08	0.13	0.07	0.00	1.00	1.00	1.00
3	8	19	0.10	0.46	0.20	0.21	0.28	0.16	0.56	0.31	0.16	0.09	0.32	0.43	0.11	0.49	0.32	0.29	0.09	0.03	0.90	0.00	0.05	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	20	0.08	0.33	0.17	0.27	0.34	0.25	0.55	0.32	0.13	0.07	0.24	0.43	0.09	0.48	0.36	0.34	0.10	0.02	0.82	0.00	0.02	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	21	0.09	0.28	0.14	0.28	0.32	0.33	0.52	0.30	0.14	0.08	0.18	0.51	0.10	0.56	0.39	0.37	0.13	0.01	0.70	0.00	0.01	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	22	0.13	0.25	0.18	0.26	0.34	0.32	0.52	0.28	0.19	0.12	0.08	0.58	0.14	0.63	0.41	0.39	0.20	0.00	0.57	0.00	0.00	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	23	0.11	0.34	0.20	0.25	0.39	0.35	0.51	0.23	0.17	0.10	0.04	0.52	0.12	0.57	0.41	0.39	0.28	0.00	0.51	0.00	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	8	24	0.04	0.39	0.19	0.22	0.44	0.41	0.46	0.18	0.09	0.03	0.03	0.50	0.04	0.55	0.43	0.41	0.38	0.00	0.51	0.00	0.00	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	1	0.00	0.42	0.15	0.20	0.45	0.39	0.41	0.13	0.04	0.00	0.05	0.47	0.00	0.53	0.45	0.43	0.49	0.00	0.52	0.00	0.00	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	2	0.00	0.55	0.13	0.19	0.44	0.27	0.37	0.11	0.02	0.00	0.06	0.42	0.00	0.48	0.43	0.41	0.57	0.00	0.56	0.00	0.00	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	3	0.00	0.63	0.11	0.17	0.45	0.21	0.36	0.11	0.01	0.00	0.06	0.34	0.00	0.40	0.41	0.39	0.58	0.00	0.64	0.00	0.00	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	4	0.00	0.57	0.11	0.17	0.47	0.21	0.37	0.10	0.00	0.00	0.04	0.21	0.00	0.28	0.42	0.40	0.56	0.01	0.73	0.00	0.00	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	5	0.00	0.44	0.14	0.17	0.49	0.25	0.38	0.09	0.00	0.00	0.02	0.10	0.00	0.17	0.37	0.35	0.53	0.01	0.74	0.00	0.01	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	6	0.00	0.31	0.11	0.16	0.51	0.35	0.37	0.09	0.00	0.00	0.01	0.01	0.00	0.08	0.35	0.32	0.50	0.01	0.73	0.00	0.02	0.31	0.20	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1.00	1.00	1.00
3	9	7	0.00	0.21	0.10	0.16	0.53	0.40	0.36	0.05	0.00	0.00	0.00	0.00	0.00	0.03	0.34	0.32	0.48	0.02	0.74	0.00	0.02	0.21	0.10	0.00	0.08	0.24	0.08	0.01	0.00	0.00	0.01	0.00	0.11	0.23	0.32	0.27	0.20	0.23	0.27	0.22	0.14	0.39	0.59	1.00	1.00	1.00
3	9	8	0.00	0.12	0.06	0.15	0.42	0.28	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.29	0.27	0.41	0.03	0.77	0.00	0.01	0.12	0.03	0.15	0.32	0.48	0.32	0.14	0.11	0.24	0.21	0.23	0.45	0.64	0.66	0.65	0.60	0.63	0.64	0.52	0.34	0.70	0.90	1.00	1.00	1.00
3	9	9	0.00	0.10	0.04	0.11	0.21	0.09	0.32	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.25	0.22	0.25	0.02	0.82	0.00	0.01	0.10	0.01	0.37	0.53	0.66	0.52	0.10	0.26	0.49	0.40	0.48	0.76	0.81	0.87	0.85	0.83	0.86	0.85	0.63	0.51	0.87	1.00	1.00	1.00	1.00
3	9	10	0.00	0.13	0.04	0.13	0.07	0.11	0.33	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.27	0.25	0.12	0.04	0.85	0.00	0.01	0.13	0.04	0.54	0.67	0.77	0.66	0.06	0.58	0.54	0.41	0.74	0.91	0.91	0.97	0.96	0.94	0.99	0.95	0.54	0.60	0.97	1.00	1.00	1.00	1.00
3	9	11	0.00	0.14	0.05	0.19	0.01	0.11	0.35	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.29	0.27	0.04	0.08	0.85	0.00	0.01	0.14	0.04	0.64	0.74	0.76	0.72	0.13	0.51	0.74	0.60	0.74	0.81	0.98	0.99	1.00	1.00	1.00	1.00	0.42	0.69	1.00	1.00	1.00	1.00	1.00
3	9	12	0.00	0.12	0.06	0.27	0.00	0.11	0.38	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.34	0.31	0.02	0.15	0.81	0.00	0.02	0.12	0.03	0.73	0.81	0.77	0.80	0.14	0.68	0.84	0.71	0.87	1.00	0.98	0.93	1.00	0.99	1.00	1.00	0.45	0.72	1.00	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
3	9	13	0.03	0.09	0.06	0.31	0.00	0.12	0.43	0.01	0.08	0.02	0.00	0.00	0.04	0.00	0.33	0.31	0.02	0.21	0.78	0.03	0.02	0.09	0.01	0.75	0.83	0.80	0.81	0.11	0.59	0.75	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.51	0.70	1.00	1.00	1.00	1.00	1.00
3	9	14	0.09	0.08	0.08	0.31	0.00	0.14	0.52	0.06	0.14	0.08	0.00	0.00	0.10	0.01	0.36	0.34	0.10	0.27	0.77	0.08	0.03	0.08	0.00	0.71	0.79	0.67	0.78	0.26	0.61	0.75	0.73	1.00	0.91	0.92	0.93	0.94	0.97	0.99	0.93	0.41	0.73	0.98	1.00	1.00	1.00	1.00
3	9	15	0.21	0.08	0.10	0.26	0.00	0.18	0.60	0.25	0.27	0.21	0.03	0.00	0.22	0.02	0.41	0.39	0.44	0.30	0.75	0.13	0.05	0.08	0.01	0.58	0.67	0.58	0.66	0.17	0.50	0.83	0.60	0.91	0.77	0.79	0.67	0.80	0.83	0.89	0.79	0.23	0.66	0.91	1.00	1.00	1.00	1.00
3	9	16	0.34	0.09	0.07	0.19	0.00	0.20	0.67	0.51	0.40	0.33	0.14	0.00	0.35	0.03	0.41	0.39	0.51	0.31	0.70	0.15	0.10	0.09	0.01	0.42	0.53	0.48	0.52	0.16	0.38	0.55	0.63	0.81	0.74	0.68	0.42	0.58	0.65	0.70	0.57	0.20	0.54	0.75	0.82	1.00	1.00	1.00
3	9	17	0.35	0.11	0.03	0.18	0.03	0.22	0.72	0.70	0.40	0.34	0.28	0.00	0.36	0.03	0.42	0.40	0.32	0.32	0.56	0.13	0.19	0.11	0.02	0.21	0.32	0.31	0.31	0.19	0.28	0.40	0.49	0.54	0.39	0.41	0.21	0.31	0.40	0.39	0.31	0.21	0.41	0.48	0.44	1.00	1.00	1.00
3	9	18	0.43	0.11	0.03	0.21	0.18	0.36	0.75	0.81	0.48	0.42	0.34	0.02	0.44	0.08	0.43	0.41	0.29	0.36	0.47	0.12	0.35	0.11	0.02	0.02	0.09	0.03	0.09	0.07	0.11	0.19	0.19	0.26	0.13	0.12	0.03	0.07	0.09	0.09	0.07	0.01	0.10	0.06	0.00	1.00	1.00	1.00
3	9	19	0.44	0.12	0.02	0.22	0.36	0.52	0.79	0.85	0.49	0.44	0.26	0.17	0.45	0.24	0.43	0.41	0.19	0.44	0.41	0.10	0.46	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	20	0.44	0.21	0.05	0.18	0.42	0.56	0.79	0.85	0.48	0.43	0.18	0.29	0.44	0.37	0.41	0.39	0.15	0.50	0.35	0.13	0.61	0.22	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	21	0.43	0.25	0.07	0.13	0.41	0.55	0.80	0.82	0.47	0.42	0.14	0.32	0.43	0.39	0.43	0.41	0.18	0.55	0.30	0.14	0.64	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	22	0.33	0.24	0.08	0.07	0.36	0.70	0.81	0.76	0.38	0.32	0.11	0.30	0.34	0.36	0.47	0.45	0.18	0.57	0.26	0.11	0.58	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	23	0.32	0.24	0.12	0.04	0.28	0.68	0.81	0.72	0.37	0.31	0.09	0.28	0.33	0.35	0.48	0.46	0.23	0.54	0.22	0.09	0.52	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	9	24	0.31	0.18	0.16	0.06	0.20	0.57	0.80	0.71	0.36	0.30	0.08	0.30	0.32	0.37	0.48	0.46	0.28	0.49	0.18	0.08	0.55	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	1	0.30	0.15	0.19	0.06	0.06	0.52	0.83	0.69	0.35	0.29	0.04	0.30	0.31	0.37	0.52	0.50	0.31	0.33	0.15	0.06	0.58	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	2	0.28	0.22	0.20	0.13	0.01	0.48	0.82	0.69	0.34	0.27	0.01	0.25	0.29	0.32	0.52	0.51	0.34	0.17	0.11	0.04	0.54	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	3	0.32	0.38	0.20	0.21	0.00	0.32	0.82	0.64	0.37	0.31	0.03	0.08	0.33	0.15	0.52	0.50	0.36	0.10	0.09	0.03	0.53	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	4	0.27	0.53	0.21	0.27	0.00	0.32	0.83	0.57	0.33	0.26	0.03	0.00	0.28	0.05	0.50	0.48	0.34	0.09	0.07	0.03	0.49	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	5	0.20	0.54	0.22	0.32	0.00	0.56	0.84	0.49	0.26	0.19	0.08	0.00	0.21	0.04	0.50	0.48	0.31	0.19	0.09	0.04	0.42	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	6	0.27	0.55	0.21	0.34	0.00	0.81	0.85	0.42	0.32	0.26	0.13	0.01	0.28	0.08	0.49	0.48	0.30	0.34	0.08	0.04	0.37	0.55	0.46	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.00	1.00	1.00
3	10	7	0.36	0.48	0.20	0.38	0.00	0.90	0.84	0.37	0.41	0.35	0.13	0.03	0.37	0.10	0.48	0.46	0.28	0.52	0.05	0.05	0.35	0.48	0.38	0.00	0.09	0.27	0.09	0.08	0.00	0.00	0.09	0.04	0.16	0.28	0.31	0.22	0.19	0.23	0.22	0.38	0.27	0.18	0.43	1.00	1.00	1.00
3	10	8	0.27	0.31	0.17	0.27	0.00	0.67	0.81	0.25	0.32	0.26	0.12	0.03	0.28	0.10	0.43	0.41	0.21	0.37	0.05	0.09	0.20	0.31	0.21	0.18	0.43	0.59	0.42	0.53	0.41	0.39	0.53	0.53	0.63	0.69	0.63	0.63	0.58	0.61	0.62	0.69	0.60	0.54	0.55	1.00	1.00	1.00
3	10	9	0.25	0.28	0.14	0.10	0.00	0.30	0.77	0.07	0.30	0.24	0.13	0.03	0.26	0.09	0.36	0.34	0.14	0.30	0.06	0.12	0.14	0.28	0.17	0.46	0.69	0.76	0.68	0.77	0.70	0.69	0.78	0.80	0.88	0.90	0.85	0.85	0.78	0.85	0.84	0.79	0.80	0.69	0.57	1.00	1.00	1.00
3	10	10	0.25	0.27	0.12	0.08	0.00	0.31	0.79	0.02	0.30	0.24	0.29	0.08	0.26	0.15	0.37	0.34	0.10	0.31	0.08	0.14	0.16	0.27	0.16	0.68	0.86	0.89	0.84	0.92	0.84	0.85	0.90	0.94	1.00	1.00	0.96	0.98	0.91	0.97	0.97	0.92	0.90	0.87	0.59	1.00	1.00	1.00
3	10	11	0.21	0.29	0.10	0.07	0.00	0.36	0.79	0.07	0.27	0.20	0.46	0.13	0.22	0.20	0.35	0.33	0.08	0.33	0.09	0.18	0.16	0.29	0.18	0.82	0.95	0.93	0.93	0.96	0.93	0.93	0.96	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.94	0.93	0.97	0.60	1.00	1.00	1.00
3	10	12	0.22	0.30	0.12	0.05	0.00	0.31	0.81	0.08	0.27	0.21	0.50	0.15	0.23	0.22	0.35	0.33	0.07	0.30	0.11	0.25	0.18	0.30	0.19	0.88	0.98	0.92	0.96	0.95	0.95	0.94	0.96	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.90	0.94	1.00	0.56	1.00	1.00	1.00
3	10	13	0.20	0.37	0.16	0.03	0.00	0.27	0.83	0.06	0.26	0.19	0.49	0.16	0.21	0.23	0.38	0.36	0.06	0.30	0.10	0.32	0.21	0.37	0.26	0.88	0.97	0.91	0.95	0.96	0.93	0.85	0.95	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.87	0.92	0.99	0.57	1.00	1.00	1.00
3	10	14	0.18	0.41	0.17	0.03	0.00	0.27	0.84	0.04	0.23	0.17	0.47	0.15	0.19	0.23	0.43	0.41	0.05	0.30	0.07	0.40	0.24	0.41	0.31	0.85	0.94	0.89	0.92	0.97	0.89	0.82	0.91	0.98	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.92	0.92	0.98	0.44	1.00	1.00	1.00
3	10	15	0.19	0.42	0.19	0.02	0.00	0.26	0.85	0.03	0.25	0.18	0.48	0.15	0.20	0.22	0.48	0.47	0.05	0.33	0.05	0.50	0.27	0.42	0.31	0.75	0.87	0.84	0.85	0.91	0.79	0.84	0.86	0.88	0.96	0.99	0.98	0.96	0.93	0.95	0.95	0.85	0.92	0.94	0.35	1.00	1.00	1.00
3	10	16	0.23	0.33	0.18	0.03	0.00	0.22	0.86	0.04	0.29	0.22	0.46	0.15	0.24	0.22	0.55	0.53	0.06	0.36	0.03	0.54	0.32	0.33	0.22	0.58	0.73	0.70	0.71	0.79	0.77	0.69	0.69	0.80	0.81	0.83	0.86	0.81	0.83	0.83	0.80	0.81	0.78	0.82	0.28	1.00	1.00	1.00
3	10	17	0.24	0.19	0.14	0.03	0.00	0.19	0.86	0.04	0.29	0.23	0.44	0.14	0.25	0.22	0.57	0.55	0.07	0.37	0.05	0.59	0.33	0.19	0.09	0.31	0.47	0.46	0.46	0.62	0.54	0.50	0.48	0.62	0.40	0.59	0.64	0.48	0.53	0.54	0.47	0.57	0.61	0.54	0.17	1.00	1.00	1.00
3	10	18	0.28	0.19	0.07	0.06	0.00	0.22	0.87	0.07	0.34	0.27	0.46	0.15	0.29	0.22	0.65	0.64	0.09	0.48	0.07	0.64	0.40	0.19	0.09	0.04	0.15	0.11	0.15	0.27	0.19	0.26	0.20	0.33	0.12	0.21	0.19	0.13	0.15	0.16	0.13	0.15	0.20	0.09	0.00	1.00	1.00	1.00
3	10	19	0.26	0.18	0.08	0.09	0.01	0.35	0.87	0.10	0.32	0.25	0.49	0.18	0.27	0.26	0.73	0.72	0.17	0.62	0.08	0.72	0.47	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	10	20	0.27	0.23	0.13	0.12	0.00	0.61	0.80	0.06	0.32	0.26	0.56	0.27	0.28	0.33	0.75	0.75	0.28	0.63	0.08	0.70	0.50	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	21	0.32	0.38	0.28	0.18	0.00	0.42	0.67	0.07	0.37	0.31	0.56	0.41	0.33	0.48	0.77	0.76	0.43	0.55	0.08	0.61	0.62	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	22	0.37	0.49	0.36	0.26	0.00	0.24	0.55	0.10	0.42	0.36	0.58	0.50	0.38	0.56	0.79	0.78	0.51	0.42	0.09	0.58	0.82	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	23	0.30	0.52	0.45	0.35	0.00	0.24	0.45	0.16	0.35	0.29	0.68	0.52	0.31	0.57	0.79	0.79	0.50	0.24	0.09	0.55	0.67	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	10	24	0.27	0.57	0.48	0.40	0.00	0.22	0.35	0.26	0.32	0.26	0.73	0.53	0.28	0.58	0.76	0.76	0.47	0.16	0.12	0.56	0.53	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	1	0.27	0.56	0.48	0.45	0.00	0.18	0.27	0.31	0.33	0.26	0.71	0.54	0.28	0.59	0.73	0.72	0.48	0.12	0.21	0.54	0.45	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	2	0.26	0.52	0.44	0.47	0.00	0.15	0.21	0.27	0.31	0.25	0.66	0.46	0.27	0.52	0.71	0.70	0.48	0.09	0.33	0.56	0.35	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	3	0.26	0.38	0.41	0.49	0.00	0.13	0.14	0.21	0.32	0.25	0.67	0.39	0.27	0.45	0.69	0.67	0.47	0.08	0.50	0.58	0.34	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	4	0.20	0.37	0.40	0.49	0.00	0.10	0.09	0.17	0.25	0.19	0.69	0.36	0.21	0.43	0.66	0.65	0.45	0.08	0.60	0.59	0.43	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	5	0.17	0.33	0.38	0.47	0.00	0.08	0.05	0.17	0.23	0.17	0.70	0.37	0.18	0.43	0.65	0.64	0.42	0.07	0.66	0.58	0.41	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	6	0.17	0.50	0.39	0.44	0.00	0.15	0.02	0.14	0.23	0.16	0.76	0.38	0.18	0.44	0.64	0.63	0.40	0.07	0.71	0.55	0.40	0.50	0.41	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	1.00	1.00	1.00
3	11	7	0.16	0.76	0.41	0.42	0.00	0.13	0.00	0.11	0.22	0.15	0.81	0.36	0.17	0.43	0.63	0.62	0.41	0.06	0.72	0.51	0.35	0.76	0.70	0.00	0.11	0.32	0.11	0.06	0.00	0.00	0.08	0.05	0.17	0.28	0.35	0.30	0.27	0.23	0.30	0.38	0.33	0.40	0.39	1.00	1.00	1.00
3	11	8	0.12	0.83	0.43	0.37	0.00	0.08	0.00	0.07	0.17	0.11	0.80	0.34	0.13	0.40	0.62	0.61	0.39	0.04	0.71	0.44	0.19	0.83	0.79	0.19	0.45	0.64	0.44	0.52	0.42	0.39	0.50	0.52	0.64	0.69	0.71	0.68	0.65	0.64	0.68	0.71	0.66	0.71	0.59	1.00	1.00	1.00
3	11	9	0.13	0.80	0.43	0.26	0.00	0.03	0.00	0.04	0.19	0.12	0.82	0.37	0.14	0.43	0.60	0.59	0.31	0.04	0.76	0.37	0.25	0.80	0.76	0.47	0.70	0.77	0.68	0.78	0.69	0.68	0.70	0.78	0.89	0.90	0.90	0.88	0.86	0.84	0.87	0.86	0.83	0.90	0.40	1.00	1.00	1.00
3	11	10	0.16	0.75	0.37	0.17	0.00	0.03	0.00	0.04	0.22	0.15	0.87	0.46	0.17	0.52	0.60	0.58	0.22	0.05	0.77	0.32	0.31	0.75	0.70	0.68	0.85	0.85	0.84	0.89	0.82	0.84	0.86	0.92	1.00	1.00	1.00	0.98	0.98	0.92	0.97	0.95	0.88	0.99	0.44	1.00	1.00	1.00
3	11	11	0.19	0.72	0.44	0.15	0.00	0.04	0.00	0.07	0.24	0.18	0.87	0.53	0.20	0.58	0.62	0.61	0.16	0.06	0.79	0.30	0.36	0.72	0.65	0.81	0.94	0.91	0.92	0.99	0.92	0.92	0.87	0.99	1.00	1.00	1.00	1.00	0.99	0.95	1.00	0.96	0.96	1.00	0.46	1.00	1.00	1.00
3	11	12	0.21	0.52	0.54	0.12	0.00	0.02	0.00	0.14	0.26	0.20	0.78	0.57	0.21	0.62	0.62	0.61	0.12	0.07	0.80	0.30	0.29	0.52	0.44	0.87	0.97	0.94	0.95	0.99	0.95	0.94	0.90	0.99	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.95	0.94	1.00	0.59	1.00	1.00	1.00
3	11	13	0.21	0.55	0.56	0.11	0.00	0.01	0.00	0.16	0.27	0.20	0.69	0.52	0.22	0.58	0.63	0.62	0.10	0.08	0.81	0.28	0.26	0.55	0.47	0.87	0.96	0.85	0.94	0.91	0.93	0.92	0.89	0.99	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.92	0.90	1.00	0.40	1.00	1.00	1.00
3	11	14	0.24	0.60	0.48	0.10	0.00	0.01	0.00	0.20	0.30	0.24	0.61	0.46	0.25	0.52	0.64	0.63	0.08	0.12	0.79	0.28	0.22	0.60	0.52	0.85	0.94	0.86	0.92	0.97	0.92	0.90	0.83	0.96	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.91	0.93	1.00	0.46	1.00	1.00	1.00
3	11	15	0.25	0.62	0.42	0.08	0.00	0.01	0.00	0.22	0.31	0.24	0.53	0.40	0.26	0.46	0.64	0.63	0.08	0.16	0.77	0.27	0.18	0.62	0.54	0.76	0.88	0.80	0.86	0.92	0.88	0.87	0.83	0.85	1.00	0.99	0.99	0.96	0.96	0.93	0.95	0.83	0.87	0.95	0.46	1.00	1.00	1.00
3	11	16	0.25	0.65	0.48	0.07	0.00	0.01	0.00	0.25	0.31	0.24	0.46	0.34	0.26	0.40	0.62	0.60	0.10	0.17	0.78	0.28	0.16	0.65	0.57	0.59	0.74	0.68	0.73	0.72	0.78	0.78	0.76	0.69	0.90	0.90	0.86	0.84	0.85	0.81	0.83	0.66	0.78	0.83	0.34	1.00	1.00	1.00
3	11	17	0.23	0.62	0.53	0.07	0.00	0.01	0.00	0.21	0.29	0.22	0.41	0.29	0.24	0.35	0.57	0.55	0.14	0.14	0.86	0.30	0.14	0.62	0.55	0.34	0.50	0.44	0.49	0.52	0.56	0.60	0.56	0.50	0.68	0.66	0.60	0.57	0.60	0.56	0.57	0.45	0.58	0.51	0.16	1.00	1.00	1.00
3	11	18	0.25	0.60	0.49	0.10	0.00	0.01	0.00	0.21	0.31	0.24	0.46	0.28	0.26	0.35	0.54	0.53	0.25	0.13	0.93	0.39	0.23	0.60	0.52	0.05	0.17	0.11	0.17	0.20	0.26	0.34	0.25	0.27	0.27	0.24	0.18	0.18	0.19	0.17	0.17	0.11	0.19	0.09	0.00	1.00	1.00	1.00
3	11	19	0.25	0.53	0.38	0.11	0.00	0.01	0.03	0.28	0.30	0.24	0.50	0.30	0.26	0.37	0.56	0.55	0.38	0.14	0.94	0.42	0.36	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
3	11	20	0.23	0.46	0.42	0.11	0.00	0.01	0.07	0.26	0.29	0.22	0.51	0.35	0.24	0.41	0.57	0.55	0.48	0.17	0.94	0.40	0.43	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	21	0.17	0.40	0.46	0.12	0.00	0.03	0.09	0.18	0.23	0.16	0.52	0.47	0.18	0.53	0.58	0.56	0.57	0.16	0.94	0.37	0.39	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	22	0.15	0.38	0.48	0.10	0.00	0.05	0.09	0.13	0.21	0.14	0.52	0.53	0.16	0.58	0.56	0.55	0.64	0.11	0.93	0.36	0.27	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	23	0.15	0.36	0.58	0.08	0.00	0.05	0.06	0.09	0.21	0.14	0.50	0.53	0.16	0.58	0.57	0.56	0.66	0.08	0.92	0.38	0.18	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	11	24	0.14	0.32	0.67	0.08	0.00	0.04	0.03	0.07	0.20	0.13	0.52	0.53	0.15	0.58	0.56	0.55	0.67	0.08	0.90	0.37	0.10	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	1	0.14	0.26	0.77	0.08	0.00	0.03	0.00	0.06	0.19	0.13	0.55	0.54	0.15	0.59	0.56	0.54	0.68	0.11	0.90	0.34	0.08	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	2	0.15	0.23	0.82	0.07	0.00	0.03	0.00	0.05	0.21	0.14	0.52	0.53	0.16	0.59	0.53	0.52	0.67	0.10	0.89	0.32	0.09	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	3	0.16	0.23	0.82	0.05	0.00	0.03	0.00	0.03	0.22	0.15	0.48	0.45	0.17	0.51	0.52	0.50	0.66	0.09	0.88	0.31	0.11	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	4	0.08	0.26	0.81	0.04	0.00	0.03	0.00	0.02	0.14	0.07	0.40	0.39	0.09	0.45	0.55	0.53	0.64	0.07	0.86	0.31	0.14	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	5	0.01	0.34	0.79	0.03	0.00	0.03	0.00	0.01	0.07	0.00	0.38	0.34	0.02	0.41	0.59	0.57	0.65	0.05	0.84	0.31	0.14	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	6	0.01	0.39	0.81	0.03	0.00	0.02	0.00	0.00	0.06	0.00	0.40	0.33	0.02	0.40	0.59	0.58	0.62	0.05	0.82	0.31	0.12	0.39	0.29	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	1.00	1.00	1.00
3	12	7	0.01	0.43	0.79	0.02	0.00	0.00	0.00	0.00	0.06	0.00	0.34	0.37	0.02	0.44	0.56	0.54	0.61	0.03	0.75	0.28	0.08	0.43	0.32	0.00	0.12	0.32	0.11	0.06	0.00	0.01	0.10	0.05	0.19	0.30	0.36	0.31	0.29	0.27	0.31	0.40	0.35	0.43	0.32	1.00	1.00	1.00
3	12	8	0.00	0.31	0.77	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.23	0.28	0.00	0.35	0.50	0.48	0.58	0.02	0.64	0.25	0.03	0.31	0.20	0.19	0.45	0.61	0.44	0.45	0.41	0.45	0.53	0.52	0.64	0.69	0.70	0.67	0.66	0.65	0.66	0.71	0.68	0.74	0.37	1.00	1.00	1.00
3	12	9	0.00	0.28	0.82	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.11	0.21	0.00	0.28	0.46	0.44	0.54	0.00	0.58	0.16	0.02	0.28	0.17	0.47	0.70	0.78	0.68	0.73	0.70	0.71	0.75	0.77	0.88	0.89	0.89	0.87	0.87	0.84	0.86	0.87	0.84	0.90	0.42	1.00	1.00	1.00
3	12	10	0.00	0.29	0.85	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.19	0.00	0.27	0.53	0.51	0.54	0.00	0.56	0.09	0.01	0.29	0.17	0.67	0.85	0.85	0.83	0.86	0.83	0.84	0.86	0.91	1.00	0.99	0.98	0.97	0.96	0.95	0.96	0.94	0.91	0.98	0.41	1.00	1.00	1.00
3	12	11	0.00	0.28	0.88	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.22	0.66	0.65	0.51	0.00	0.54	0.01	0.01	0.28	0.17	0.80	0.93	0.90	0.91	0.95	0.89	0.90	0.91	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.94	1.00	0.42	1.00	1.00	1.00
3	12	12	0.00	0.26	0.89	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.08	0.00	0.15	0.58	0.57	0.48	0.00	0.53	0.00	0.01	0.26	0.16	0.86	0.96	0.91	0.94	0.96	0.90	0.90	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.95	1.00	0.51	1.00	1.00	1.00
3	12	13	0.00	0.28	0.89	0.03	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.09	0.51	0.49	0.44	0.00	0.54	0.00	0.01	0.28	0.17	0.87	0.96	0.86	0.94	0.92	0.88	0.89	0.94	0.99	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.89	0.92	1.00	0.35	1.00	1.00	1.00
3	12	14	0.00	0.26	0.89	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.48	0.47	0.36	0.00	0.55	0.00	0.03	0.26	0.15	0.84	0.93	0.85	0.92	0.93	0.85	0.86	0.91	0.98	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.92	0.90	0.99	0.38	1.00	1.00	1.00
3	12	15	0.00	0.24	0.87	0.06	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.48	0.46	0.28	0.00	0.57	0.00	0.02	0.24	0.13	0.75	0.87	0.81	0.85	0.86	0.77	0.82	0.89	0.95	1.00	0.99	0.97	0.95	0.89	0.94	0.94	0.87	0.87	0.94	0.28	1.00	1.00	1.00
3	12	16	0.00	0.19	0.86	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.48	0.46	0.22	0.00	0.56	0.00	0.01	0.19	0.08	0.59	0.74	0.65	0.73	0.71	0.68	0.72	0.81	0.84	0.90	0.89	0.88	0.85	0.82	0.82	0.84	0.80	0.79	0.82	0.19	1.00	1.00	1.00
3	12	17	0.00	0.17	0.81	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.41	0.39	0.21	0.00	0.61	0.00	0.01	0.17	0.07	0.33	0.50	0.47	0.49	0.45	0.55	0.44	0.61	0.63	0.65	0.67	0.65	0.56	0.54	0.58	0.55	0.60	0.58	0.53	0.10	1.00	1.00	1.00
3	12	18	0.00	0.12	0.71	0.09	0.00	0.10	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.03	0.38	0.36	0.22	0.00	0.70	0.04	0.01	0.12	0.03	0.04	0.16	0.13	0.15	0.16	0.14	0.21	0.28	0.32	0.26	0.25	0.21	0.17	0.16	0.19	0.17	0.19	0.21	0.09	0.00	1.00	1.00	1.00
3	12	19	0.03	0.07	0.69	0.10	0.00	0.11	0.10	0.13	0.09	0.02	0.00	0.00	0.04	0.01	0.35	0.32	0.19	0.00	0.76	0.02	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
3	12	20	0.04	0.04	0.66	0.13	0.00	0.11	0.12	0.30	0.10	0.03	0.00	0.00	0.05	0.01	0.31	0.29	0.17	0.00	0.78	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	21	0.06	0.06	0.62	0.11	0.00	0.11	0.12	0.46	0.12	0.05	0.00	0.00	0.07	0.02	0.30	0.28	0.15	0.00	0.76	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	22	0.12	0.09	0.60	0.08	0.00	0.17	0.14	0.53	0.18	0.11	0.00	0.00	0.13	0.02	0.28	0.26	0.12	0.00	0.76	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	23	0.12	0.10	0.67	0.08	0.00	0.14	0.15	0.55	0.18	0.11	0.00	0.00	0.13	0.01	0.26	0.24	0.08	0.00	0.78	0.00	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	12	24	0.07	0.10	0.76	0.08	0.00	0.10	0.18	0.57	0.13	0.07	0.00	0.00	0.08	0.01	0.24	0.22	0.07	0.00	0.81	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	1	0.06	0.06	0.81	0.09	0.00	0.11	0.17	0.54	0.12	0.05	0.00	0.00	0.07	0.03	0.25	0.23	0.07	0.00	0.84	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	2	0.06	0.04	0.79	0.09	0.00	0.09	0.16	0.51	0.12	0.05	0.00	0.00	0.07	0.06	0.27	0.25	0.06	0.01	0.86	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	3	0.07	0.03	0.73	0.10	0.00	0.10	0.16	0.50	0.13	0.06	0.00	0.08	0.08	0.16	0.27	0.25	0.04	0.02	0.85	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	4	0.09	0.02	0.66	0.09	0.00	0.08	0.14	0.49	0.14	0.08	0.00	0.14	0.10	0.22	0.27	0.25	0.04	0.07	0.81	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	5	0.11	0.08	0.64	0.07	0.00	0.05	0.10	0.48	0.17	0.10	0.00	0.24	0.12	0.31	0.26	0.24	0.04	0.11	0.77	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	6	0.11	0.14	0.56	0.06	0.00	0.04	0.05	0.42	0.17	0.10	0.00	0.30	0.12	0.37	0.23	0.21	0.05	0.12	0.75	0.00	0.07	0.14	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	1.00	1.00	1.00
3	13	7	0.08	0.15	0.55	0.05	0.00	0.03	0.01	0.32	0.14	0.07	0.00	0.31	0.09	0.38	0.22	0.19	0.07	0.12	0.75	0.00	0.08	0.15	0.05	0.00	0.11	0.32	0.11	0.08	0.00	0.01	0.11	0.05	0.19	0.31	0.36	0.28	0.29	0.25	0.28	0.38	0.35	0.44	0.46	1.00	1.00	1.00
3	13	8	0.05	0.22	0.52	0.03	0.00	0.03	0.00	0.17	0.10	0.04	0.00	0.28	0.06	0.35	0.19	0.17	0.08	0.10	0.73	0.00	0.05	0.22	0.11	0.19	0.44	0.62	0.43	0.44	0.40	0.44	0.54	0.52	0.63	0.69	0.66	0.66	0.67	0.61	0.65	0.66	0.67	0.74	0.77	1.00	1.00	1.00
3	13	9	0.01	0.32	0.47	0.02	0.00	0.02	0.00	0.06	0.06	0.00	0.00	0.19	0.02	0.26	0.18	0.16	0.06	0.07	0.67	0.00	0.03	0.32	0.21	0.46	0.69	0.84	0.67	0.74	0.69	0.71	0.76	0.78	0.86	0.88	0.84	0.84	0.86	0.80	0.83	0.81	0.82	0.90	1.00	1.00	1.00	1.00
3	13	10	0.02	0.40	0.46	0.02	0.00	0.01	0.00	0.01	0.07	0.01	0.02	0.13	0.03	0.21	0.18	0.16	0.07	0.06	0.66	0.00	0.06	0.40	0.30	0.67	0.84	0.94	0.82	0.87	0.83	0.84	0.89	0.91	0.98	0.99	0.95	0.94	0.96	0.91	0.93	0.90	0.86	0.98	1.00	1.00	1.00	1.00
3	13	11	0.01	0.44	0.50	0.03	0.00	0.02	0.00	0.00	0.07	0.01	0.10	0.09	0.02	0.16	0.18	0.16	0.11	0.07	0.67	0.00	0.10	0.44	0.34	0.80	0.92	1.00	0.91	0.96	0.90	0.90	0.93	0.98	1.00	1.00	0.99	0.99	1.00	0.96	0.99	0.93	0.90	1.00	1.00	1.00	1.00	1.00
3	13	12	0.01	0.47	0.61	0.05	0.00	0.02	0.00	0.04	0.07	0.00	0.28	0.10	0.02	0.17	0.20	0.18	0.16	0.06	0.74	0.00	0.17	0.47	0.38	0.86	0.96	1.00	0.94	0.99	0.93	0.92	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.94	0.90	1.00	1.00	1.00	1.00	1.00
3	13	13	0.04	0.47	0.68	0.08	0.00	0.03	0.00	0.14	0.09	0.03	0.39	0.17	0.05	0.25	0.24	0.22	0.24	0.04	0.83	0.00	0.24	0.47	0.37	0.86	0.95	0.98	0.93	0.92	0.92	0.91	0.93	0.99	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.88	0.90	1.00	1.00	1.00	1.00	1.00
3	13	14	0.11	0.48	0.71	0.09	0.00	0.06	0.00	0.29	0.16	0.10	0.42	0.26	0.11	0.33	0.28	0.26	0.32	0.02	0.87	0.00	0.31	0.48	0.38	0.83	0.92	0.94	0.90	0.86	0.90	0.89	0.90	0.97	1.00	1.00	0.99	0.98	0.98	0.97	0.98	0.82	0.85	0.98	1.00	1.00	1.00	1.00
3	13	15	0.22	0.53	0.74	0.09	0.00	0.09	0.00	0.51	0.28	0.21	0.48	0.36	0.23	0.42	0.31	0.29	0.35	0.01	0.91	0.01	0.37	0.53	0.45	0.75	0.87	0.85	0.86	0.83	0.87	0.86	0.87	0.93	1.00	0.97	0.95	0.94	0.94	0.92	0.93	0.65	0.80	0.93	1.00	1.00	1.00	1.00
3	13	16	0.26	0.60	0.76	0.10	0.00	0.10	0.00	0.67	0.31	0.25	0.54	0.43	0.27	0.49	0.35	0.33	0.35	0.00	0.92	0.03	0.38	0.60	0.52	0.60	0.75	0.72	0.74	0.69	0.78	0.76	0.79	0.84	0.91	0.87	0.85	0.84	0.83	0.83	0.84	0.49	0.76	0.81	0.83	1.00	1.00	1.00
3	13	17	0.25	0.62	0.71	0.12	0.01	0.09	0.00	0.71	0.30	0.24	0.59	0.45	0.26	0.51	0.37	0.35	0.25	0.00	0.80	0.04	0.32	0.62	0.55	0.34	0.52	0.45	0.51	0.50	0.60	0.57	0.61	0.63	0.69	0.61	0.66	0.60	0.57	0.57	0.60	0.32	0.61	0.49	0.38	1.00	1.00	1.00
3	13	18	0.33	0.71	0.60	0.15	0.10	0.10	0.00	0.71	0.38	0.32	0.59	0.46	0.34	0.51	0.37	0.35	0.17	0.00	0.75	0.06	0.29	0.71	0.64	0.04	0.15	0.11	0.15	0.12	0.02	0.25	0.30	0.32	0.29	0.22	0.22	0.20	0.18	0.19	0.20	0.08	0.21	0.08	0.00	1.00	1.00	1.00
3	13	19	0.42	0.72	0.53	0.20	0.33	0.08	0.01	0.71	0.47	0.41	0.58	0.51	0.43	0.56	0.34	0.32	0.10	0.00	0.77	0.10	0.34	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	20	0.38	0.72	0.48	0.23	0.48	0.06	0.01	0.72	0.43	0.37	0.61	0.64	0.39	0.69	0.31	0.29	0.06	0.00	0.78	0.13	0.61	0.72	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	21	0.33	0.81	0.46	0.23	0.56	0.13	0.02	0.72	0.38	0.32	0.61	0.60	0.34	0.65	0.31	0.29	0.05	0.04	0.73	0.13	0.76	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	22	0.25	0.89	0.50	0.21	0.58	0.23	0.02	0.73	0.31	0.24	0.50	0.58	0.26	0.62	0.32	0.30	0.05	0.03	0.68	0.11	0.75	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	23	0.21	0.92	0.54	0.21	0.58	0.22	0.01	0.71	0.26	0.20	0.45	0.51	0.22	0.56	0.38	0.36	0.06	0.02	0.68	0.08	0.70	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	13	24	0.29	0.92	0.55	0.20	0.60	0.17	0.00	0.69	0.35	0.28	0.48	0.47	0.30	0.52	0.40	0.38	0.09	0.04	0.64	0.09	0.67	0.92	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	1	0.31	0.94	0.59	0.20	0.61	0.13	0.00	0.67	0.37	0.30	0.45	0.46	0.32	0.52	0.40	0.38	0.13	0.07	0.55	0.08	0.66	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	2	0.23	0.94	0.62	0.19	0.59	0.15	0.00	0.66	0.29	0.22	0.41	0.47	0.24	0.52	0.41	0.39	0.13	0.09	0.53	0.07	0.64	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	3	0.22	0.92	0.63	0.18	0.55	0.13	0.00	0.64	0.27	0.21	0.36	0.46	0.23	0.51	0.41	0.39	0.12	0.11	0.52	0.07	0.63	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	4	0.25	0.89	0.60	0.15	0.55	0.17	0.00	0.60	0.31	0.24	0.29	0.48	0.26	0.53	0.44	0.42	0.15	0.14	0.47	0.04	0.58	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	5	0.23	0.87	0.56	0.13	0.55	0.15	0.00	0.56	0.29	0.23	0.21	0.50	0.24	0.56	0.44	0.42	0.17	0.16	0.45	0.04	0.59	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	6	0.24	0.89	0.52	0.13	0.50	0.13	0.00	0.52	0.29	0.23	0.12	0.47	0.25	0.52	0.45	0.43	0.20	0.18	0.46	0.03	0.60	0.89	0.86	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	1.00	1.00	1.00
3	14	7	0.24	0.87	0.58	0.13	0.44	0.16	0.00	0.50	0.29	0.23	0.07	0.42	0.25	0.48	0.47	0.46	0.23	0.17	0.44	0.01	0.57	0.87	0.83	0.00	0.12	0.35	0.12	0.09	0.01	0.02	0.12	0.05	0.21	0.33	0.37	0.33	0.29	0.28	0.33	0.27	0.30	0.44	0.66	1.00	1.00	1.00
3	14	8	0.21	0.74	0.66	0.12	0.26	0.17	0.00	0.44	0.27	0.20	0.04	0.38	0.22	0.44	0.41	0.39	0.20	0.12	0.45	0.00	0.38	0.74	0.68	0.19	0.45	0.65	0.44	0.49	0.45	0.48	0.55	0.39	0.64	0.70	0.71	0.68	0.63	0.65	0.67	0.44	0.58	0.73	0.92	1.00	1.00	1.00
3	14	9	0.16	0.57	0.82	0.07	0.05	0.05	0.00	0.41	0.22	0.15	0.02	0.29	0.17	0.36	0.32	0.30	0.15	0.07	0.53	0.00	0.29	0.57	0.50	0.46	0.69	0.83	0.68	0.78	0.71	0.72	0.77	0.69	0.87	0.88	0.88	0.87	0.82	0.84	0.86	0.57	0.78	0.89	1.00	1.00	1.00	1.00
3	14	10	0.15	0.51	0.90	0.05	0.00	0.03	0.00	0.49	0.21	0.14	0.03	0.18	0.16	0.25	0.20	0.17	0.20	0.07	0.69	0.00	0.25	0.51	0.42	0.67	0.84	0.89	0.83	0.93	0.83	0.85	0.88	0.82	0.99	1.00	0.96	0.97	0.91	0.96	0.96	0.57	0.89	0.93	1.00	1.00	1.00	1.00
3	14	11	0.15	0.40	0.91	0.04	0.00	0.03	0.00	0.61	0.21	0.14	0.06	0.08	0.16	0.15	0.15	0.12	0.26	0.05	0.89	0.00	0.22	0.40	0.30	0.79	0.92	0.97	0.90	0.91	0.89	0.91	0.93	0.89	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.70	0.89	0.98	1.00	1.00	1.00	1.00
3	14	12	0.16	0.34	0.88	0.04	0.00	0.06	0.00	0.67	0.22	0.15	0.09	0.03	0.17	0.10	0.16	0.14	0.28	0.03	0.95	0.00	0.23	0.34	0.24	0.86	0.96	0.95	0.94	0.95	0.89	0.92	0.94	1.00	1.00	1.00	1.00	1.00	0.98	0.99	1.00	0.72	0.85	0.98	1.00	1.00	1.00	1.00
3	14	13	0.19	0.38	0.82	0.04	0.00	0.12	0.00	0.75	0.25	0.18	0.18	0.03	0.20	0.09	0.13	0.10	0.30	0.06	0.97	0.00	0.24	0.38	0.27	0.87	0.96	0.93	0.94	0.94	0.89	0.92	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.73	0.83	1.00	1.00	1.00	1.00	1.00
3	14	14	0.24	0.43	0.79	0.04	0.00	0.16	0.00	0.82	0.29	0.23	0.28	0.03	0.25	0.10	0.12	0.10	0.33	0.07	0.97	0.01	0.25	0.43	0.33	0.84	0.94	0.86	0.92	0.95	0.88	0.88	0.91	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.99	0.52	0.81	0.95	0.97	1.00	1.00	1.00
3	14	15	0.31	0.45	0.76	0.05	0.00	0.20	0.03	0.85	0.36	0.30	0.33	0.10	0.31	0.17	0.14	0.12	0.34	0.07	0.95	0.04	0.32	0.45	0.34	0.75	0.87	0.78	0.85	0.89	0.79	0.78	0.87	0.97	1.00	0.98	0.96	0.95	0.90	0.96	0.94	0.58	0.74	0.88	0.87	1.00	1.00	1.00
3	14	16	0.33	0.43	0.70	0.07	0.00	0.25	0.09	0.87	0.38	0.32	0.39	0.25	0.34	0.32	0.16	0.14	0.33	0.07	0.89	0.05	0.40	0.43	0.32	0.60	0.75	0.66	0.74	0.79	0.73	0.67	0.80	0.86	0.91	0.87	0.86	0.84	0.82	0.83	0.83	0.49	0.67	0.78	0.75	1.00	1.00	1.00
3	14	17	0.36	0.37	0.63	0.09	0.02	0.30	0.18	0.87	0.41	0.35	0.45	0.36	0.37	0.43	0.15	0.13	0.31	0.08	0.81	0.07	0.46	0.37	0.26	0.33	0.50	0.41	0.49	0.63	0.49	0.48	0.57	0.59	0.69	0.61	0.59	0.60	0.57	0.56	0.60	0.22	0.46	0.47	0.34	1.00	1.00	1.00
3	14	18	0.50	0.40	0.60	0.13	0.14	0.47	0.36	0.86	0.55	0.50	0.46	0.39	0.51	0.45	0.16	0.13	0.29	0.09	0.78	0.10	0.53	0.40	0.30	0.04	0.15	0.10	0.15	0.18	0.17	0.14	0.28	0.25	0.29	0.23	0.19	0.20	0.19	0.18	0.20	0.07	0.15	0.09	0.00	1.00	1.00	1.00
3	14	19	0.51	0.51	0.57	0.17	0.25	0.53	0.50	0.84	0.55	0.50	0.41	0.39	0.52	0.45	0.19	0.16	0.29	0.15	0.81	0.07	0.64	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	20	0.57	0.45	0.44	0.18	0.21	0.56	0.54	0.83	0.61	0.57	0.37	0.39	0.58	0.45	0.18	0.16	0.29	0.29	0.79	0.08	0.64	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	21	0.58	0.39	0.36	0.18	0.16	0.80	0.54	0.81	0.62	0.57	0.36	0.41	0.58	0.47	0.14	0.12	0.26	0.24	0.77	0.06	0.66	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	22	0.47	0.39	0.32	0.20	0.14	0.65	0.51	0.78	0.51	0.46	0.24	0.44	0.47	0.49	0.11	0.09	0.26	0.13	0.66	0.05	0.70	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	23	0.40	0.40	0.24	0.26	0.09	0.46	0.48	0.77	0.45	0.39	0.19	0.45	0.41	0.51	0.09	0.07	0.33	0.08	0.59	0.04	0.69	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	14	24	0.49	0.39	0.15	0.31	0.04	0.41	0.44	0.74	0.53	0.48	0.14	0.41	0.49	0.47	0.06	0.04	0.35	0.23	0.55	0.04	0.67	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	1	0.51	0.34	0.09	0.35	0.01	0.24	0.39	0.67	0.55	0.50	0.12	0.35	0.52	0.41	0.05	0.04	0.25	0.41	0.48	0.06	0.52	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	2	0.49	0.33	0.07	0.40	0.00	0.15	0.33	0.56	0.54	0.49	0.10	0.22	0.50	0.29	0.05	0.03	0.16	0.43	0.29	0.06	0.38	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	3	0.43	0.35	0.04	0.44	0.00	0.17	0.26	0.47	0.48	0.43	0.08	0.13	0.44	0.20	0.03	0.02	0.12	0.31	0.17	0.07	0.29	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
3	15	4	0.38	0.39	0.01	0.48	0.00	0.22	0.18	0.39	0.43	0.37	0.06	0.08	0.39	0.16	0.03	0.02	0.11	0.24	0.15	0.07	0.21	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	5	0.28	0.43	0.00	0.48	0.00	0.21	0.13	0.30	0.33	0.27	0.02	0.02	0.29	0.09	0.03	0.02	0.09	0.18	0.12	0.07	0.16	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	6	0.24	0.52	0.00	0.50	0.05	0.21	0.09	0.23	0.30	0.23	0.00	0.00	0.25	0.04	0.03	0.02	0.09	0.16	0.09	0.08	0.11	0.52	0.42	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.19	1.00	1.00	1.00
3	15	7	0.18	0.45	0.00	0.50	0.22	0.21	0.04	0.14	0.24	0.17	0.00	0.00	0.19	0.03	0.03	0.01	0.09	0.12	0.05	0.08	0.06	0.45	0.35	0.00	0.13	0.40	0.13	0.11	0.01	0.02	0.13	0.07	0.23	0.33	0.39	0.34	0.32	0.30	0.34	0.42	0.38	0.44	0.63	1.00	1.00	1.00
3	15	8	0.07	0.31	0.00	0.48	0.17	0.15	0.00	0.07	0.13	0.06	0.00	0.00	0.08	0.02	0.02	0.01	0.09	0.06	0.04	0.07	0.02	0.31	0.21	0.20	0.47	0.72	0.46	0.57	0.47	0.49	0.56	0.50	0.66	0.70	0.71	0.70	0.68	0.68	0.69	0.71	0.70	0.74	0.88	1.00	1.00	1.00
3	15	9	0.03	0.26	0.00	0.38	0.03	0.05	0.00	0.07	0.08	0.02	0.00	0.00	0.04	0.01	0.01	0.00	0.09	0.05	0.03	0.05	0.01	0.26	0.15	0.48	0.72	0.91	0.70	0.81	0.73	0.74	0.78	0.80	0.89	0.89	0.89	0.88	0.86	0.88	0.87	0.85	0.86	0.89	1.00	1.00	1.00	1.00
3	15	10	0.02	0.21	0.00	0.32	0.00	0.10	0.00	0.11	0.07	0.01	0.00	0.00	0.03	0.01	0.01	0.00	0.09	0.07	0.03	0.03	0.00	0.21	0.10	0.69	0.87	1.00	0.85	0.96	0.87	0.86	0.90	0.94	1.00	1.00	0.98	0.97	0.95	0.99	0.96	0.94	0.93	0.98	1.00	1.00	1.00	1.00
3	15	11	0.03	0.19	0.00	0.30	0.00	0.10	0.00	0.13	0.08	0.02	0.00	0.00	0.04	0.01	0.02	0.01	0.10	0.08	0.05	0.02	0.00	0.19	0.09	0.82	0.95	1.00	0.93	0.99	0.92	0.93	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.96	1.00	1.00	1.00	1.00	1.00
3	15	12	0.05	0.15	0.00	0.28	0.00	0.07	0.00	0.14	0.11	0.04	0.00	0.00	0.06	0.02	0.02	0.01	0.09	0.08	0.08	0.03	0.01	0.15	0.06	0.88	0.98	1.00	0.96	1.00	0.94	0.95	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.96	1.00	1.00	1.00	1.00	1.00
3	15	13	0.08	0.14	0.00	0.25	0.00	0.05	0.00	0.13	0.14	0.07	0.00	0.00	0.09	0.03	0.02	0.01	0.07	0.09	0.09	0.05	0.02	0.14	0.04	0.88	0.97	0.99	0.95	0.98	0.94	0.93	0.91	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.85	0.94	1.00	1.00	1.00	1.00	1.00
3	15	14	0.10	0.18	0.00	0.21	0.00	0.06	0.00	0.12	0.16	0.09	0.00	0.00	0.11	0.05	0.03	0.01	0.07	0.10	0.09	0.09	0.03	0.18	0.08	0.86	0.95	0.98	0.93	0.98	0.93	0.91	0.94	1.00	1.00	1.00	1.00	1.00	0.95	0.99	1.00	0.90	0.91	0.98	1.00	1.00	1.00	1.00
3	15	15	0.11	0.28	0.00	0.19	0.00	0.07	0.00	0.11	0.17	0.10	0.00	0.00	0.12	0.06	0.03	0.02	0.06	0.10	0.09	0.12	0.04	0.28	0.16	0.78	0.90	0.93	0.88	0.97	0.89	0.88	0.92	0.97	1.00	0.99	0.97	0.96	0.92	0.95	0.95	0.87	0.88	0.93	0.98	1.00	1.00	1.00
3	15	16	0.11	0.31	0.00	0.17	0.00	0.11	0.00	0.10	0.17	0.10	0.00	0.00	0.12	0.07	0.03	0.01	0.06	0.10	0.07	0.18	0.03	0.31	0.20	0.62	0.78	0.80	0.76	0.87	0.80	0.79	0.83	0.88	0.91	0.89	0.86	0.83	0.80	0.84	0.82	0.80	0.80	0.79	0.78	1.00	1.00	1.00
3	15	17	0.13	0.33	0.00	0.15	0.00	0.12	0.01	0.10	0.19	0.12	0.00	0.01	0.14	0.08	0.02	0.01	0.06	0.10	0.06	0.26	0.04	0.33	0.23	0.36	0.54	0.52	0.53	0.66	0.60	0.60	0.62	0.69	0.70	0.64	0.64	0.60	0.58	0.57	0.59	0.56	0.65	0.49	0.32	1.00	1.00	1.00
3	15	18	0.20	0.47	0.00	0.22	0.00	0.14	0.09	0.14	0.25	0.19	0.00	0.04	0.21	0.11	0.04	0.02	0.05	0.12	0.08	0.36	0.06	0.47	0.36	0.05	0.17	0.14	0.17	0.24	0.09	0.22	0.32	0.31	0.29	0.25	0.22	0.20	0.19	0.19	0.20	0.19	0.24	0.09	0.00	1.00	1.00	1.00
3	15	19	0.24	0.49	0.00	0.28	0.00	0.13	0.15	0.27	0.30	0.23	0.00	0.05	0.25	0.12	0.05	0.04	0.05	0.14	0.13	0.42	0.05	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
3	15	20	0.21	0.47	0.00	0.24	0.00	0.17	0.17	0.31	0.27	0.20	0.00	0.06	0.22	0.13	0.07	0.05	0.05	0.15	0.14	0.40	0.13	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	21	0.13	0.51	0.00	0.21	0.00	0.18	0.14	0.23	0.19	0.12	0.00	0.06	0.14	0.14	0.09	0.08	0.07	0.12	0.17	0.38	0.18	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	22	0.08	0.45	0.00	0.21	0.00	0.20	0.09	0.16	0.14	0.07	0.01	0.06	0.09	0.14	0.13	0.11	0.12	0.10	0.22	0.38	0.10	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	23	0.13	0.39	0.00	0.23	0.00	0.17	0.05	0.15	0.19	0.12	0.00	0.07	0.14	0.14	0.17	0.15	0.17	0.06	0.28	0.34	0.06	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	15	24	0.13	0.34	0.00	0.21	0.00	0.11	0.02	0.16	0.19	0.12	0.01	0.09	0.14	0.17	0.22	0.19	0.19	0.04	0.34	0.31	0.06	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	1	0.03	0.30	0.00	0.20	0.00	0.07	0.00	0.15	0.09	0.03	0.01	0.11	0.04	0.19	0.25	0.23	0.22	0.02	0.42	0.32	0.10	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	2	0.00	0.28	0.00	0.21	0.00	0.04	0.00	0.13	0.04	0.00	0.09	0.13	0.00	0.20	0.26	0.24	0.23	0.01	0.57	0.29	0.14	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	3	0.00	0.24	0.00	0.23	0.00	0.03	0.00	0.12	0.05	0.00	0.14	0.14	0.00	0.21	0.26	0.24	0.23	0.00	0.74	0.29	0.12	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	4	0.00	0.16	0.00	0.23	0.00	0.02	0.00	0.13	0.04	0.00	0.18	0.15	0.00	0.23	0.26	0.24	0.24	0.00	0.84	0.30	0.12	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	5	0.00	0.15	0.00	0.21	0.00	0.02	0.00	0.13	0.03	0.00	0.19	0.17	0.00	0.24	0.25	0.23	0.29	0.00	0.89	0.34	0.08	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	6	0.00	0.13	0.00	0.20	0.00	0.03	0.00	0.15	0.03	0.00	0.19	0.18	0.00	0.25	0.23	0.21	0.33	0.00	0.90	0.35	0.07	0.13	0.04	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.06	1.00	1.00	1.00
3	16	7	0.00	0.12	0.00	0.16	0.00	0.03	0.00	0.18	0.04	0.00	0.21	0.16	0.00	0.24	0.20	0.18	0.31	0.00	0.90	0.35	0.05	0.12	0.03	0.00	0.14	0.33	0.14	0.11	0.01	0.02	0.15	0.07	0.25	0.34	0.40	0.35	0.31	0.31	0.35	0.43	0.39	0.45	0.20	1.00	1.00	1.00
3	16	8	0.00	0.10	0.00	0.12	0.00	0.03	0.00	0.15	0.01	0.00	0.13	0.14	0.00	0.22	0.15	0.13	0.27	0.00	0.87	0.32	0.02	0.10	0.02	0.20	0.47	0.63	0.46	0.57	0.47	0.49	0.56	0.44	0.67	0.70	0.71	0.69	0.65	0.67	0.69	0.73	0.70	0.74	0.44	1.00	1.00	1.00
3	16	9	0.00	0.09	0.00	0.07	0.00	0.02	0.00	0.07	0.00	0.00	0.05	0.15	0.00	0.22	0.09	0.07	0.18	0.00	0.86	0.25	0.02	0.09	0.01	0.47	0.70	0.83	0.69	0.82	0.73	0.72	0.77	0.68	0.88	0.89	0.89	0.87	0.82	0.84	0.87	0.87	0.86	0.89	0.62	1.00	1.00	1.00
3	16	10	0.00	0.09	0.00	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.02	0.11	0.00	0.18	0.06	0.04	0.08	0.00	0.85	0.18	0.03	0.09	0.01	0.67	0.85	0.95	0.83	0.94	0.86	0.84	0.88	0.86	0.99	1.00	0.97	0.95	0.93	0.93	0.94	0.93	0.93	0.97	0.87	1.00	1.00	1.00
3	16	11	0.00	0.09	0.04	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.08	0.00	0.16	0.05	0.04	0.05	0.00	0.87	0.07	0.05	0.09	0.01	0.80	0.93	1.00	0.91	0.97	0.92	0.90	0.95	0.98	1.00	1.00	1.00	1.00	0.99	0.97	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00
3	16	12	0.00	0.11	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.12	0.05	0.03	0.05	0.00	0.90	0.00	0.06	0.11	0.02	0.86	0.95	1.00	0.94	0.97	0.94	0.92	0.95	1.00	1.00	1.00	1.00	1.00	0.99	0.95	1.00	0.92	0.95	1.00	1.00	1.00	1.00	1.00
3	16	13	0.00	0.16	0.19	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.05	0.03	0.05	0.00	0.92	0.00	0.09	0.16	0.06	0.87	0.96	0.98	0.94	1.00	0.94	0.92	0.93	0.91	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.90	0.93	0.99	1.00	1.00	1.00	1.00
3	16	14	0.00	0.22	0.20	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.03	0.05	0.00	0.94	0.00	0.11	0.22	0.11	0.84	0.94	0.99	0.92	0.99	0.92	0.90	0.91	0.93	1.00	1.00	1.00	0.99	0.98	0.97	0.98	0.89	0.91	0.97	1.00	1.00	1.00	1.00
3	16	15	0.00	0.26	0.20	0.08	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.03	0.03	0.00	0.93	0.00	0.11	0.26	0.15	0.75	0.87	0.91	0.86	0.96	0.88	0.86	0.89	0.88	0.98	0.97	0.96	0.94	0.89	0.90	0.93	0.83	0.90	0.91	1.00	1.00	1.00	1.00
3	16	16	0.00	0.30	0.19	0.09	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.03	0.02	0.00	0.90	0.00	0.11	0.30	0.19	0.60	0.76	0.81	0.74	0.89	0.80	0.76	0.80	0.85	0.88	0.87	0.85	0.81	0.75	0.78	0.81	0.77	0.83	0.79	0.84	1.00	1.00	1.00
3	16	17	0.00	0.31	0.17	0.09	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.03	0.01	0.00	0.79	0.01	0.09	0.31	0.20	0.35	0.52	0.52	0.51	0.74	0.60	0.58	0.62	0.61	0.62	0.63	0.65	0.56	0.53	0.55	0.55	0.51	0.65	0.50	0.32	1.00	1.00	1.00
3	16	18	0.00	0.33	0.15	0.11	0.00	0.12	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.03	0.00	0.76	0.04	0.09	0.33	0.22	0.04	0.14	0.15	0.14	0.18	0.06	0.04	0.30	0.25	0.28	0.25	0.23	0.19	0.17	0.18	0.19	0.17	0.25	0.10	0.00	1.00	1.00	1.00
3	16	19	0.00	0.34	0.10	0.14	0.00	0.17	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.04	0.00	0.75	0.02	0.05	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
3	16	20	0.00	0.40	0.09	0.10	0.00	0.33	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.04	0.01	0.76	0.01	0.02	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	21	0.00	0.53	0.07	0.07	0.00	0.41	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.04	0.05	0.02	0.81	0.00	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	22	0.00	0.63	0.08	0.06	0.01	0.42	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	0.05	0.05	0.03	0.80	0.00	0.01	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	23	0.00	0.68	0.08	0.05	0.05	0.43	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.07	0.06	0.04	0.78	0.00	0.00	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	16	24	0.00	0.82	0.09	0.05	0.14	0.38	0.24	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.13	0.11	0.07	0.05	0.75	0.00	0.00	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	1	0.00	0.91	0.10	0.05	0.21	0.34	0.23	0.01	0.04	0.00	0.00	0.01	0.00	0.08	0.17	0.15	0.09	0.06	0.73	0.00	0.00	0.91	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	2	0.00	0.89	0.09	0.05	0.26	0.33	0.25	0.01	0.06	0.00	0.00	0.05	0.01	0.12	0.20	0.18	0.15	0.05	0.73	0.00	0.00	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	3	0.00	0.89	0.07	0.04	0.31	0.29	0.24	0.00	0.05	0.00	0.00	0.08	0.01	0.15	0.23	0.20	0.18	0.05	0.71	0.00	0.00	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	4	0.00	0.88	0.07	0.04	0.30	0.24	0.23	0.00	0.05	0.00	0.00	0.09	0.01	0.17	0.24	0.22	0.19	0.05	0.68	0.00	0.00	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	5	0.00	0.89	0.16	0.04	0.22	0.18	0.20	0.00	0.04	0.00	0.00	0.05	0.00	0.12	0.24	0.21	0.19	0.05	0.64	0.00	0.00	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	6	0.00	0.93	0.28	0.04	0.18	0.16	0.16	0.00	0.04	0.00	0.02	0.04	0.00	0.11	0.22	0.20	0.21	0.05	0.62	0.00	0.00	0.93	0.91	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.17	1.00	1.00	1.00
3	17	7	0.00	0.90	0.33	0.04	0.17	0.17	0.14	0.00	0.03	0.00	0.04	0.03	0.00	0.10	0.21	0.19	0.23	0.07	0.61	0.00	0.00	0.90	0.87	0.00	0.14	0.38	0.14	0.14	0.02	0.03	0.15	0.07	0.26	0.34	0.40	0.36	0.30	0.26	0.36	0.44	0.40	0.43	0.54	1.00	1.00	1.00
3	17	8	0.00	0.76	0.31	0.04	0.09	0.13	0.12	0.00	0.03	0.00	0.01	0.02	0.00	0.09	0.19	0.17	0.23	0.07	0.61	0.00	0.00	0.76	0.71	0.20	0.46	0.67	0.45	0.61	0.48	0.49	0.56	0.36	0.67	0.70	0.71	0.69	0.64	0.55	0.69	0.72	0.70	0.68	0.75	1.00	1.00	1.00
3	17	9	0.00	0.62	0.22	0.02	0.01	0.03	0.10	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.14	0.12	0.19	0.04	0.62	0.00	0.00	0.62	0.55	0.46	0.68	0.86	0.67	0.84	0.72	0.73	0.78	0.54	0.88	0.89	0.87	0.86	0.84	0.72	0.85	0.86	0.85	0.79	0.98	1.00	1.00	1.00
3	17	10	0.00	0.49	0.23	0.02	0.00	0.04	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.16	0.14	0.12	0.04	0.63	0.00	0.00	0.49	0.40	0.65	0.82	0.96	0.80	0.96	0.87	0.86	0.89	0.65	0.99	0.98	0.97	0.96	0.92	0.75	0.95	0.93	0.92	0.84	1.00	1.00	1.00	1.00
3	17	11	0.00	0.41	0.29	0.02	0.00	0.09	0.13	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.21	0.19	0.09	0.08	0.63	0.00	0.00	0.41	0.31	0.76	0.88	0.98	0.86	1.00	0.93	0.91	0.94	0.73	1.00	1.00	1.00	1.00	0.86	0.74	1.00	0.95	0.95	0.82	1.00	1.00	1.00	1.00
3	17	12	0.00	0.34	0.32	0.04	0.00	0.11	0.17	0.00	0.04	0.00	0.01	0.00	0.00	0.03	0.26	0.23	0.09	0.13	0.63	0.00	0.00	0.34	0.24	0.82	0.92	0.99	0.90	1.00	0.94	0.92	0.95	0.80	1.00	1.00	1.00	1.00	0.83	0.81	1.00	0.94	0.92	0.80	1.00	1.00	1.00	1.00
3	17	13	0.02	0.31	0.38	0.06	0.00	0.12	0.25	0.00	0.07	0.01	0.12	0.00	0.03	0.04	0.31	0.29	0.08	0.17	0.64	0.00	0.01	0.31	0.20	0.85	0.93	0.97	0.92	1.00	0.95	0.92	0.93	0.82	1.00	1.00	1.00	1.00	0.83	0.97	1.00	0.90	0.91	0.82	1.00	1.00	1.00	1.00
3	17	14	0.05	0.30	0.48	0.09	0.00	0.15	0.33	0.01	0.11	0.04	0.27	0.01	0.06	0.07	0.38	0.36	0.10	0.21	0.68	0.02	0.02	0.30	0.19	0.80	0.90	0.93	0.88	1.00	0.92	0.91	0.92	0.75	1.00	1.00	1.00	0.97	0.77	0.90	0.96	0.90	0.89	0.79	1.00	1.00	1.00	1.00
3	17	15	0.09	0.34	0.59	0.10	0.02	0.16	0.39	0.09	0.15	0.08	0.40	0.07	0.10	0.14	0.45	0.43	0.11	0.23	0.71	0.04	0.02	0.34	0.23	0.72	0.84	0.88	0.82	0.97	0.88	0.86	0.91	0.69	1.00	0.91	0.95	0.88	0.74	0.87	0.87	0.82	0.88	0.70	0.98	1.00	1.00	1.00
3	17	16	0.18	0.36	0.71	0.12	0.14	0.18	0.43	0.24	0.24	0.17	0.52	0.27	0.19	0.34	0.47	0.45	0.12	0.25	0.69	0.06	0.04	0.36	0.26	0.57	0.72	0.79	0.70	0.90	0.81	0.78	0.83	0.67	0.89	0.79	0.85	0.64	0.63	0.81	0.64	0.77	0.81	0.65	0.82	1.00	1.00	1.00
3	17	17	0.32	0.40	0.78	0.15	0.38	0.23	0.47	0.39	0.37	0.31	0.56	0.46	0.33	0.52	0.46	0.44	0.15	0.25	0.52	0.07	0.06	0.40	0.30	0.33	0.50	0.50	0.49	0.75	0.61	0.59	0.64	0.46	0.64	0.65	0.57	0.48	0.46	0.58	0.48	0.57	0.60	0.36	0.30	1.00	1.00	1.00
3	17	18	0.52	0.50	0.78	0.27	0.66	0.70	0.55	0.54	0.56	0.52	0.60	0.52	0.53	0.57	0.47	0.45	0.11	0.32	0.44	0.10	0.14	0.50	0.40	0.04	0.14	0.15	0.14	0.22	0.10	0.17	0.27	0.09	0.31	0.26	0.19	0.15	0.14	0.20	0.15	0.19	0.24	0.06	0.00	1.00	1.00	1.00
3	17	19	0.74	0.53	0.78	0.36	0.81	0.90	0.59	0.65	0.77	0.74	0.62	0.58	0.74	0.62	0.52	0.50	0.14	0.42	0.46	0.09	0.27	0.53	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
3	17	20	0.74	0.58	0.77	0.35	0.84	0.91	0.63	0.68	0.76	0.73	0.72	0.73	0.74	0.76	0.51	0.49	0.11	0.53	0.53	0.08	0.46	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	21	0.63	0.67	0.77	0.30	0.86	0.91	0.64	0.68	0.66	0.62	0.67	0.78	0.63	0.81	0.49	0.48	0.07	0.62	0.63	0.07	0.52	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	22	0.40	0.72	0.80	0.23	0.88	0.85	0.64	0.69	0.44	0.39	0.56	0.76	0.41	0.78	0.52	0.51	0.07	0.60	0.71	0.04	0.46	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	23	0.30	0.73	0.84	0.20	0.88	0.84	0.63	0.72	0.35	0.29	0.53	0.76	0.31	0.78	0.49	0.47	0.09	0.54	0.73	0.01	0.30	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	17	24	0.32	0.71	0.78	0.19	0.87	0.87	0.64	0.74	0.37	0.31	0.57	0.76	0.33	0.78	0.44	0.42	0.10	0.50	0.71	0.00	0.20	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	1	0.34	0.69	0.72	0.17	0.86	0.86	0.63	0.74	0.39	0.33	0.59	0.76	0.35	0.78	0.42	0.40	0.12	0.44	0.74	0.00	0.13	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	2	0.32	0.71	0.73	0.14	0.85	0.63	0.58	0.75	0.37	0.31	0.59	0.76	0.33	0.79	0.41	0.39	0.14	0.41	0.80	0.02	0.12	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	3	0.33	0.70	0.71	0.13	0.84	0.66	0.59	0.74	0.38	0.32	0.57	0.70	0.34	0.73	0.35	0.33	0.17	0.41	0.84	0.03	0.15	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	4	0.37	0.73	0.67	0.11	0.83	0.40	0.56	0.72	0.42	0.36	0.54	0.71	0.38	0.74	0.32	0.30	0.16	0.44	0.86	0.03	0.19	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	5	0.37	0.73	0.61	0.10	0.82	0.47	0.51	0.70	0.42	0.36	0.49	0.64	0.37	0.68	0.29	0.27	0.16	0.46	0.87	0.02	0.22	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	6	0.39	0.68	0.51	0.07	0.80	0.58	0.51	0.70	0.43	0.38	0.43	0.63	0.39	0.68	0.25	0.23	0.18	0.43	0.86	0.02	0.27	0.68	0.61	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.03	1.00	1.00	1.00
3	18	7	0.40	0.69	0.43	0.05	0.74	0.53	0.46	0.66	0.45	0.40	0.34	0.59	0.41	0.63	0.22	0.19	0.18	0.37	0.82	0.04	0.26	0.69	0.62	0.00	0.14	0.37	0.14	0.16	0.02	0.04	0.17	0.04	0.21	0.36	0.41	0.34	0.31	0.28	0.34	0.44	0.40	0.46	0.39	1.00	1.00	1.00
3	18	8	0.37	0.57	0.34	0.02	0.55	0.23	0.39	0.58	0.42	0.36	0.28	0.52	0.38	0.57	0.17	0.15	0.16	0.27	0.71	0.04	0.16	0.57	0.50	0.20	0.45	0.67	0.44	0.62	0.43	0.52	0.59	0.16	0.55	0.72	0.73	0.70	0.68	0.66	0.70	0.72	0.69	0.75	0.62	1.00	1.00	1.00
3	18	9	0.34	0.55	0.25	0.01	0.34	0.06	0.31	0.55	0.39	0.34	0.29	0.45	0.35	0.50	0.13	0.11	0.11	0.19	0.66	0.05	0.24	0.55	0.47	0.46	0.68	0.82	0.67	0.86	0.74	0.75	0.81	0.42	0.75	0.92	0.90	0.89	0.81	0.85	0.88	0.85	0.85	0.88	0.66	1.00	1.00	1.00
3	18	10	0.37	0.55	0.26	0.00	0.19	0.05	0.25	0.61	0.42	0.37	0.31	0.48	0.38	0.53	0.14	0.11	0.11	0.19	0.63	0.07	0.34	0.55	0.47	0.68	0.85	0.95	0.84	0.97	0.88	0.88	0.92	0.74	0.99	1.00	0.99	0.98	0.91	0.96	0.97	0.92	0.93	0.97	0.81	1.00	1.00	1.00
3	18	11	0.36	0.57	0.20	0.00	0.09	0.09	0.22	0.69	0.41	0.35	0.39	0.52	0.37	0.57	0.15	0.13	0.10	0.20	0.63	0.10	0.31	0.57	0.49	0.81	0.94	0.99	0.92	0.98	0.94	0.94	0.96	0.88	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.94	0.95	0.99	0.88	1.00	1.00	1.00
3	18	12	0.33	0.58	0.15	0.01	0.02	0.11	0.22	0.74	0.38	0.32	0.50	0.53	0.34	0.58	0.17	0.14	0.09	0.17	0.63	0.16	0.31	0.58	0.49	0.87	0.97	0.96	0.95	0.97	0.96	0.95	0.92	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.93	0.92	0.99	0.76	1.00	1.00	1.00
3	18	13	0.32	0.47	0.11	0.03	0.00	0.13	0.23	0.79	0.37	0.31	0.55	0.52	0.33	0.58	0.16	0.14	0.08	0.10	0.66	0.25	0.37	0.47	0.36	0.90	0.99	0.91	0.97	1.00	0.96	0.96	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.87	1.00	0.76	1.00	1.00	1.00
3	18	14	0.31	0.21	0.06	0.05	0.02	0.18	0.26	0.85	0.37	0.31	0.60	0.52	0.32	0.57	0.16	0.14	0.10	0.05	0.70	0.27	0.45	0.21	0.12	0.87	0.97	0.85	0.95	1.00	0.94	0.93	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.83	0.84	0.98	0.63	1.00	1.00	1.00
3	18	15	0.34	0.22	0.05	0.07	0.09	0.21	0.31	0.90	0.39	0.33	0.65	0.52	0.35	0.57	0.16	0.13	0.13	0.03	0.69	0.28	0.52	0.22	0.12	0.77	0.90	0.80	0.88	0.96	0.89	0.89	0.86	0.99	1.00	1.00	0.98	0.96	0.89	0.94	0.95	0.78	0.79	0.90	0.65	1.00	1.00	1.00
3	18	16	0.38	0.35	0.05	0.09	0.22	0.22	0.36	0.92	0.43	0.37	0.68	0.54	0.39	0.59	0.17	0.15	0.15	0.03	0.70	0.29	0.70	0.35	0.24	0.61	0.77	0.71	0.75	0.90	0.79	0.80	0.80	0.85	0.91	0.91	0.88	0.85	0.83	0.68	0.84	0.63	0.75	0.77	0.62	1.00	1.00	1.00
3	18	17	0.50	0.38	0.06	0.15	0.42	0.24	0.42	0.92	0.54	0.49	0.68	0.54	0.50	0.59	0.18	0.15	0.14	0.04	0.64	0.32	0.75	0.38	0.27	0.34	0.51	0.49	0.50	0.71	0.55	0.56	0.59	0.60	0.67	0.68	0.63	0.62	0.52	0.35	0.62	0.54	0.60	0.45	0.18	1.00	1.00	1.00
3	18	18	0.63	0.33	0.10	0.25	0.67	0.61	0.53	0.89	0.66	0.62	0.69	0.61	0.63	0.65	0.19	0.17	0.14	0.08	0.58	0.38	0.69	0.33	0.21	0.04	0.14	0.16	0.14	0.14	0.07	0.16	0.24	0.19	0.34	0.28	0.22	0.22	0.17	0.08	0.22	0.18	0.25	0.09	0.00	1.00	1.00	1.00
3	18	19	0.62	0.24	0.14	0.39	0.83	0.87	0.60	0.86	0.66	0.62	0.68	0.73	0.63	0.77	0.20	0.18	0.15	0.07	0.56	0.48	0.76	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
3	18	20	0.56	0.29	0.14	0.47	0.87	0.81	0.62	0.87	0.59	0.55	0.69	0.73	0.56	0.76	0.19	0.17	0.12	0.12	0.44	0.43	0.83	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	21	0.51	0.45	0.13	0.44	0.88	0.63	0.60	0.88	0.55	0.50	0.60	0.74	0.52	0.77	0.19	0.16	0.09	0.16	0.37	0.32	0.80	0.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	22	0.51	0.45	0.15	0.37	0.90	0.53	0.59	0.89	0.55	0.50	0.51	0.70	0.52	0.73	0.23	0.21	0.09	0.11	0.36	0.26	0.75	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	23	0.48	0.46	0.16	0.36	0.90	0.44	0.55	0.88	0.52	0.47	0.48	0.70	0.49	0.73	0.28	0.26	0.08	0.09	0.28	0.17	0.65	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	18	24	0.41	0.52	0.16	0.34	0.86	0.54	0.53	0.86	0.46	0.40	0.40	0.71	0.42	0.74	0.35	0.32	0.08	0.11	0.22	0.14	0.46	0.52	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	1	0.33	0.68	0.16	0.31	0.80	0.50	0.47	0.83	0.38	0.32	0.27	0.67	0.34	0.71	0.41	0.39	0.08	0.12	0.18	0.12	0.36	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	2	0.28	0.67	0.19	0.25	0.77	0.31	0.40	0.80	0.33	0.27	0.22	0.63	0.29	0.67	0.43	0.41	0.07	0.15	0.19	0.06	0.29	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	3	0.23	0.63	0.22	0.26	0.77	0.23	0.37	0.76	0.28	0.22	0.22	0.60	0.24	0.64	0.44	0.42	0.09	0.17	0.21	0.03	0.19	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	4	0.20	0.70	0.24	0.22	0.76	0.19	0.34	0.73	0.26	0.19	0.16	0.52	0.21	0.57	0.45	0.44	0.08	0.14	0.23	0.02	0.14	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	5	0.18	0.72	0.22	0.19	0.73	0.17	0.29	0.70	0.24	0.17	0.12	0.49	0.19	0.54	0.46	0.44	0.07	0.10	0.23	0.01	0.14	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	6	0.16	0.69	0.20	0.19	0.68	0.11	0.22	0.65	0.22	0.15	0.09	0.48	0.17	0.53	0.48	0.46	0.08	0.08	0.18	0.01	0.14	0.69	0.62	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.05	0.01	1.00	1.00	1.00
3	19	7	0.12	0.59	0.19	0.18	0.60	0.13	0.16	0.57	0.18	0.11	0.08	0.46	0.13	0.51	0.50	0.48	0.15	0.09	0.17	0.02	0.13	0.59	0.50	0.00	0.14	0.33	0.14	0.11	0.01	0.04	0.17	0.05	0.20	0.35	0.37	0.38	0.37	0.28	0.38	0.45	0.32	0.43	0.35	1.00	1.00	1.00
3	19	8	0.06	0.41	0.15	0.09	0.48	0.14	0.08	0.46	0.12	0.05	0.06	0.41	0.07	0.47	0.46	0.44	0.26	0.07	0.16	0.02	0.11	0.41	0.31	0.20	0.44	0.61	0.43	0.49	0.42	0.41	0.55	0.24	0.56	0.71	0.72	0.72	0.72	0.60	0.71	0.73	0.61	0.70	0.49	1.00	1.00	1.00
3	19	9	0.02	0.31	0.13	0.07	0.42	0.02	0.03	0.35	0.08	0.01	0.07	0.37	0.03	0.44	0.46	0.44	0.25	0.05	0.17	0.03	0.13	0.31	0.20	0.45	0.67	0.78	0.66	0.71	0.73	0.72	0.76	0.50	0.75	0.90	0.90	0.90	0.90	0.81	0.89	0.85	0.79	0.90	0.58	1.00	1.00	1.00
3	19	10	0.00	0.24	0.12	0.10	0.36	0.00	0.00	0.30	0.04	0.00	0.08	0.27	0.00	0.34	0.49	0.47	0.26	0.05	0.14	0.05	0.10	0.24	0.14	0.66	0.83	0.85	0.81	0.84	0.85	0.84	0.89	0.72	0.84	1.00	0.99	1.00	1.00	0.96	0.99	0.91	0.83	0.99	0.60	1.00	1.00	1.00
3	19	11	0.00	0.25	0.06	0.18	0.23	0.00	0.00	0.29	0.04	0.00	0.10	0.17	0.00	0.24	0.48	0.46	0.21	0.06	0.14	0.07	0.06	0.25	0.14	0.78	0.90	0.85	0.89	0.85	0.85	0.79	0.91	0.90	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.89	1.00	0.58	1.00	1.00	1.00
3	19	12	0.02	0.29	0.04	0.30	0.20	0.01	0.00	0.36	0.07	0.01	0.13	0.15	0.02	0.22	0.46	0.44	0.21	0.09	0.18	0.09	0.05	0.29	0.18	0.81	0.90	0.91	0.88	0.82	0.85	0.57	0.89	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.89	0.87	1.00	0.81	1.00	1.00	1.00
3	19	13	0.11	0.34	0.07	0.42	0.27	0.02	0.00	0.55	0.17	0.10	0.18	0.22	0.12	0.29	0.48	0.47	0.38	0.11	0.22	0.13	0.05	0.34	0.23	0.81	0.90	0.85	0.88	0.76	0.87	0.69	0.75	0.93	1.00	0.94	1.00	1.00	1.00	1.00	1.00	0.84	0.89	1.00	0.52	1.00	1.00	1.00
3	19	14	0.28	0.38	0.12	0.52	0.34	0.04	0.00	0.76	0.34	0.28	0.28	0.30	0.29	0.37	0.49	0.48	0.52	0.13	0.29	0.17	0.09	0.38	0.28	0.80	0.89	0.80	0.88	0.68	0.87	0.74	0.77	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.74	0.82	1.00	0.61	1.00	1.00	1.00
3	19	15	0.43	0.45	0.15	0.58	0.44	0.05	0.00	0.88	0.48	0.42	0.43	0.39	0.44	0.46	0.51	0.49	0.56	0.15	0.36	0.21	0.14	0.45	0.35	0.71	0.82	0.70	0.81	0.54	0.88	0.65	0.68	0.87	1.00	0.98	0.97	0.98	0.98	0.95	0.97	0.57	0.70	0.95	0.48	1.00	1.00	1.00
3	19	16	0.50	0.49	0.18	0.64	0.58	0.07	0.00	0.92	0.54	0.49	0.50	0.44	0.51	0.50	0.55	0.53	0.55	0.22	0.46	0.27	0.21	0.49	0.39	0.57	0.73	0.59	0.71	0.58	0.76	0.72	0.69	0.72	0.92	0.89	0.84	0.86	0.88	0.86	0.86	0.43	0.63	0.82	0.39	1.00	1.00	1.00
3	19	17	0.58	0.52	0.44	0.67	0.64	0.25	0.00	0.88	0.61	0.57	0.51	0.44	0.58	0.50	0.59	0.57	0.52	0.31	0.54	0.36	0.37	0.52	0.43	0.32	0.49	0.38	0.48	0.44	0.47	0.45	0.60	0.48	0.65	0.69	0.66	0.59	0.63	0.64	0.58	0.41	0.48	0.48	0.11	1.00	1.00	1.00
3	19	18	0.79	0.58	0.62	0.72	0.61	0.75	0.02	0.81	0.81	0.79	0.49	0.44	0.79	0.49	0.60	0.59	0.42	0.45	0.59	0.45	0.65	0.58	0.50	0.04	0.15	0.12	0.15	0.19	0.19	0.04	0.29	0.06	0.35	0.29	0.24	0.21	0.23	0.24	0.21	0.14	0.18	0.11	0.00	1.00	1.00	1.00
3	19	19	0.83	0.67	0.67	0.71	0.58	0.83	0.04	0.76	0.84	0.82	0.45	0.46	0.83	0.52	0.58	0.57	0.47	0.75	0.59	0.52	0.83	0.67	0.59	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
3	19	20	0.75	0.65	0.68	0.65	0.54	0.76	0.02	0.75	0.77	0.75	0.49	0.50	0.75	0.55	0.61	0.59	0.52	0.86	0.52	0.54	0.84	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	21	0.61	0.55	0.75	0.65	0.46	0.66	0.01	0.74	0.65	0.61	0.57	0.63	0.62	0.68	0.56	0.55	0.66	0.84	0.44	0.45	0.78	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	22	0.45	0.50	0.75	0.67	0.39	0.63	0.01	0.70	0.49	0.44	0.58	0.63	0.46	0.67	0.55	0.54	0.72	0.87	0.37	0.43	0.74	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	23	0.43	0.42	0.68	0.64	0.31	0.37	0.00	0.66	0.48	0.43	0.61	0.62	0.44	0.66	0.53	0.52	0.68	0.88	0.33	0.44	0.74	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	19	24	0.45	0.31	0.54	0.61	0.21	0.31	0.00	0.60	0.49	0.44	0.62	0.59	0.45	0.64	0.58	0.57	0.61	0.87	0.28	0.44	0.70	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	1	0.49	0.28	0.45	0.57	0.10	0.38	0.00	0.54	0.53	0.48	0.65	0.53	0.49	0.58	0.58	0.57	0.57	0.88	0.28	0.39	0.61	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	2	0.56	0.24	0.41	0.53	0.05	0.34	0.00	0.51	0.60	0.56	0.66	0.53	0.57	0.58	0.62	0.60	0.60	0.87	0.29	0.37	0.59	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	3	0.61	0.16	0.41	0.49	0.06	0.28	0.00	0.46	0.64	0.60	0.68	0.53	0.61	0.58	0.66	0.65	0.75	0.86	0.35	0.38	0.53	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	4	0.58	0.10	0.52	0.41	0.05	0.45	0.00	0.39	0.61	0.57	0.63	0.48	0.58	0.54	0.60	0.59	0.77	0.86	0.38	0.42	0.46	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	5	0.54	0.08	0.58	0.31	0.01	0.52	0.00	0.33	0.57	0.53	0.54	0.41	0.54	0.48	0.55	0.54	0.74	0.88	0.43	0.47	0.46	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	6	0.48	0.10	0.59	0.23	0.00	0.36	0.00	0.29	0.52	0.47	0.43	0.33	0.49	0.39	0.59	0.57	0.66	0.86	0.67	0.44	0.41	0.10	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03	0.16	1.00	1.00	1.00
3	20	7	0.40	0.11	0.53	0.18	0.00	0.19	0.00	0.21	0.45	0.40	0.34	0.27	0.41	0.34	0.59	0.58	0.67	0.82	0.64	0.35	0.27	0.11	0.02	0.00	0.03	0.32	0.03	0.02	0.00	0.00	0.03	0.00	0.16	0.13	0.02	0.03	0.00	0.05	0.03	0.46	0.26	0.36	0.67	1.00	1.00	1.00
3	20	8	0.30	0.09	0.45	0.14	0.00	0.07	0.00	0.09	0.35	0.29	0.25	0.26	0.31	0.34	0.61	0.60	0.66	0.79	0.57	0.29	0.22	0.09	0.01	0.05	0.11	0.56	0.10	0.08	0.06	0.07	0.08	0.01	0.34	0.27	0.07	0.07	0.18	0.23	0.07	0.74	0.46	0.61	0.94	1.00	1.00	1.00
3	20	9	0.30	0.09	0.62	0.13	0.00	0.04	0.00	0.05	0.35	0.29	0.21	0.22	0.31	0.29	0.63	0.62	0.79	0.86	0.62	0.32	0.33	0.09	0.01	0.16	0.22	0.70	0.21	0.23	0.34	0.21	0.15	0.02	0.50	0.30	0.19	0.13	0.15	0.49	0.12	0.87	0.60	0.75	1.00	1.00	1.00	1.00
3	20	10	0.31	0.17	0.89	0.12	0.00	0.04	0.00	0.12	0.36	0.30	0.21	0.25	0.32	0.32	0.65	0.64	0.86	0.91	0.70	0.42	0.41	0.17	0.07	0.26	0.32	0.73	0.32	0.35	0.27	0.49	0.28	0.02	0.42	0.46	0.03	0.20	0.50	0.86	0.20	0.93	0.66	0.59	1.00	1.00	1.00	1.00
3	20	11	0.44	0.27	0.95	0.11	0.00	0.06	0.00	0.25	0.48	0.43	0.26	0.29	0.44	0.36	0.69	0.68	0.77	0.97	0.69	0.57	0.41	0.27	0.16	0.32	0.36	0.72	0.36	0.41	0.21	0.33	0.24	0.02	0.31	0.37	0.32	0.43	0.87	0.70	0.43	0.91	0.45	0.57	1.00	1.00	1.00	1.00
3	20	12	0.58	0.36	0.98	0.12	0.00	0.11	0.00	0.37	0.62	0.58	0.34	0.31	0.59	0.37	0.69	0.68	0.60	0.98	0.63	0.59	0.53	0.36	0.25	0.44	0.49	0.66	0.48	0.40	0.39	0.26	0.19	0.02	0.35	0.59	0.68	0.85	0.93	0.89	0.85	0.75	0.45	0.68	1.00	1.00	1.00	1.00
3	20	13	0.67	0.43	0.99	0.14	0.00	0.14	0.00	0.45	0.70	0.67	0.49	0.34	0.68	0.41	0.64	0.63	0.46	0.99	0.57	0.57	0.69	0.43	0.33	0.44	0.48	0.68	0.47	0.44	0.47	0.29	0.14	0.04	0.54	0.58	0.72	0.70	0.88	0.63	0.70	0.78	0.46	0.76	1.00	1.00	1.00	1.00
3	20	14	0.77	0.48	1.00	0.17	0.02	0.17	0.06	0.51	0.79	0.77	0.64	0.37	0.78	0.43	0.63	0.62	0.28	1.00	0.61	0.66	0.82	0.48	0.38	0.39	0.43	0.53	0.42	0.60	0.38	0.22	0.09	0.03	0.46	0.54	0.24	0.96	0.86	0.55	0.96	0.41	0.42	0.72	0.98	1.00	1.00	1.00
3	20	15	0.88	0.49	0.98	0.19	0.10	0.28	0.14	0.54	0.89	0.88	0.71	0.42	0.88	0.48	0.66	0.65	0.20	1.00	0.63	0.81	0.90	0.49	0.40	0.38	0.44	0.42	0.43	0.66	0.44	0.19	0.10	0.06	0.26	0.69	0.77	0.62	0.73	0.54	0.61	0.18	0.34	0.63	0.92	1.00	1.00	1.00
3	20	16	0.91	0.50	0.96	0.19	0.19	0.71	0.19	0.64	0.92	0.91	0.81	0.47	0.91	0.52	0.67	0.65	0.18	1.00	0.52	0.93	0.92	0.50	0.40	0.27	0.34	0.36	0.34	0.80	0.32	0.18	0.15	0.07	0.01	0.68	0.33	0.41	0.76	0.41	0.40	0.11	0.32	0.55	0.77	1.00	1.00	1.00
3	20	17	0.92	0.42	0.95	0.21	0.23	0.65	0.26	0.66	0.93	0.92	0.89	0.51	0.93	0.56	0.64	0.62	0.17	1.00	0.57	0.98	0.78	0.42	0.32	0.18	0.27	0.24	0.27	0.59	0.31	0.14	0.11	0.19	0.08	0.42	0.39	0.46	0.42	0.36	0.46	0.10	0.29	0.42	0.37	1.00	1.00	1.00
3	20	18	0.90	0.37	0.91	0.25	0.31	0.44	0.26	0.62	0.90	0.90	0.95	0.62	0.90	0.67	0.59	0.58	0.11	0.99	0.52	0.92	0.54	0.37	0.27	0.02	0.07	0.04	0.07	0.24	0.15	0.03	0.01	0.00	0.02	0.16	0.10	0.15	0.13	0.10	0.14	0.01	0.08	0.09	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
3	20	19	0.92	0.43	0.91	0.29	0.66	0.23	0.18	0.62	0.93	0.92	0.93	0.56	0.92	0.60	0.61	0.59	0.12	0.98	0.41	0.80	0.49	0.43	0.33
3	20	20	0.77	0.48	0.91	0.31	0.78	0.22	0.09	0.56	0.79	0.77	0.86	0.68	0.78	0.72	0.65	0.63	0.20	0.96	0.39	0.77	0.56	0.48	0.38
3	20	21	0.54	0.43	0.90	0.35	0.72	0.18	0.15	0.60	0.57	0.53	0.83	0.76	0.55	0.79	0.65	0.64	0.44	0.89	0.37	0.82	0.69	0.43	0.33
3	20	22	0.61	0.51	0.87	0.42	0.67	0.31	0.31	0.68	0.64	0.60	0.78	0.83	0.61	0.85	0.61	0.59	0.72	0.77	0.49	0.73	0.75	0.51	0.42
3	20	23	0.79	0.61	0.78	0.50	0.59	0.30	0.52	0.68	0.81	0.79	0.81	0.90	0.79	0.91	0.54	0.53	0.80	0.76	0.59	0.70	0.79	0.61	0.53
3	20	24	0.88	0.63	0.76	0.55	0.35	0.30	0.65	0.68	0.90	0.88	0.89	0.88	0.88	0.89	0.52	0.50	0.85	0.82	0.68	0.57	0.83	0.63	0.55
3	21	1	0.82	0.60	0.60	0.64	0.12	0.28	0.70	0.63	0.84	0.81	0.92	0.78	0.82	0.81	0.41	0.39	0.83	0.82	0.70	0.48	0.84	0.60	0.52
3	21	2	0.63	0.60	0.56	0.71	0.05	0.41	0.72	0.66	0.66	0.63	0.84	0.78	0.64	0.81	0.30	0.28	0.81	0.73	0.63	0.47	0.85	0.60	0.52
3	21	3	0.50	0.63	0.56	0.73	0.01	0.49	0.71	0.69	0.54	0.49	0.86	0.84	0.51	0.85	0.26	0.24	0.80	0.61	0.53	0.41	0.78	0.63	0.55
3	21	4	0.36	0.64	0.51	0.75	0.08	0.50	0.67	0.67	0.41	0.35	0.80	0.89	0.37	0.91	0.24	0.22	0.74	0.52	0.38	0.23	0.80	0.64	0.57
3	21	5	0.33	0.59	0.39	0.80	0.37	0.26	0.64	0.59	0.38	0.32	0.74	0.78	0.33	0.80	0.21	0.19	0.66	0.37	0.34	0.16	0.78	0.59	0.51
3	21	6	0.28	0.54	0.33	0.79	0.51	0.11	0.59	0.48	0.33	0.27	0.70	0.77	0.28	0.79	0.19	0.16	0.60	0.26	0.34	0.20	0.79	0.54	0.45
3	21	7	0.25	0.46	0.22	0.76	0.42	0.13	0.55	0.37	0.31	0.24	0.58	0.70	0.26	0.73	0.16	0.13	0.59	0.16	0.31	0.21	0.76	0.46	0.36
3	21	8	0.17	0.29	0.10	0.71	0.42	0.09	0.52	0.22	0.23	0.16	0.48	0.54	0.18	0.58	0.10	0.08	0.61	0.09	0.38	0.15	0.82	0.29	0.19
3	21	9	0.08	0.21	0.04	0.67	0.41	0.16	0.46	0.06	0.14	0.07	0.40	0.57	0.09	0.62	0.07	0.05	0.61	0.07	0.48	0.14	0.88	0.20	0.10
3	21	10	0.00	0.23	0.03	0.67	0.38	0.24	0.40	0.01	0.04	0.00	0.31	0.52	0.01	0.58	0.05	0.03	0.58	0.07	0.45	0.17	0.91	0.23	0.12
3	21	11	0.00	0.30	0.04	0.68	0.38	0.19	0.33	0.01	0.04	0.00	0.22	0.47	0.00	0.53	0.05	0.03	0.52	0.07	0.41	0.21	0.94	0.30	0.19
3	21	12	0.01	0.40	0.10	0.68	0.37	0.13	0.28	0.05	0.05	0.01	0.12	0.21	0.01	0.28	0.06	0.04	0.49	0.07	0.40	0.21	0.94	0.40	0.29
3	21	13	0.10	0.44	0.16	0.68	0.30	0.10	0.28	0.10	0.16	0.10	0.04	0.04	0.11	0.10	0.07	0.05	0.42	0.13	0.39	0.21	0.94	0.44	0.34
3	21	14	0.18	0.52	0.20	0.69	0.23	0.10	0.29	0.14	0.24	0.17	0.07	0.00	0.19	0.06	0.08	0.06	0.36	0.21	0.43	0.21	0.93	0.52	0.43
3	21	15	0.26	0.55	0.23	0.70	0.18	0.09	0.31	0.15	0.32	0.25	0.16	0.00	0.27	0.04	0.09	0.07	0.32	0.28	0.38	0.20	0.87	0.55	0.46
3	21	16	0.37	0.56	0.26	0.69	0.17	0.12	0.35	0.18	0.42	0.36	0.19	0.00	0.37	0.05	0.11	0.09	0.28	0.34	0.31	0.19	0.82	0.56	0.48
3	21	17	0.46	0.57	0.30	0.67	0.18	0.11	0.39	0.26	0.51	0.45	0.22	0.01	0.47	0.07	0.13	0.11	0.26	0.45	0.26	0.18	0.78	0.57	0.48
3	21	18	0.45	0.53	0.33	0.71	0.18	0.05	0.44	0.36	0.49	0.44	0.30	0.10	0.46	0.17	0.17	0.15	0.25	0.52	0.18	0.18	0.56	0.53	0.44
3	21	19	0.52	0.53	0.48	0.77	0.16	0.01	0.48	0.47	0.56	0.52	0.31	0.24	0.53	0.32	0.16	0.14	0.30	0.54	0.20	0.21	0.52	0.53	0.44
3	21	20	0.60	0.61	0.67	0.72	0.29	0.05	0.53	0.60	0.63	0.59	0.30	0.20	0.60	0.27	0.14	0.12	0.34	0.49	0.16	0.21	0.31	0.61	0.50
3	21	21	0.64	0.22	0.78	0.70	0.49	0.27	0.55	0.66	0.67	0.64	0.28	0.19	0.65	0.26	0.14	0.12	0.32	0.41	0.13	0.22	0.13	0.22	0.14
3	21	22	0.69	0.35	0.78	0.70	0.58	0.64	0.52	0.72	0.72	0.68	0.24	0.19	0.69	0.27	0.15	0.12	0.27	0.44	0.14	0.19	0.06	0.35	0.25
3	21	23	0.72	0.52	0.76	0.67	0.61	0.87	0.46	0.73	0.74	0.71	0.23	0.09	0.72	0.16	0.13	0.11	0.28	0.43	0.23	0.17	0.03	0.52	0.41
3	21	24	0.78	0.49	0.74	0.68	0.63	0.60	0.39	0.72	0.80	0.78	0.24	0.03	0.79	0.09	0.11	0.09	0.27	0.39	0.32	0.19	0.03	0.49	0.38
3	22	1	0.81	0.26	0.74	0.68	0.59	0.28	0.38	0.74	0.82	0.80	0.23	0.03	0.81	0.10	0.13	0.11	0.20	0.33	0.35	0.31	0.04	0.26	0.15
3	22	2	0.79	0.16	0.70	0.67	0.63	0.16	0.44	0.77	0.81	0.79	0.23	0.03	0.80	0.10	0.14	0.12	0.15	0.26	0.30	0.34	0.04	0.16	0.07
3	22	3	0.79	0.19	0.68	0.64	0.69	0.15	0.50	0.79	0.81	0.79	0.26	0.07	0.79	0.14	0.12	0.10	0.10	0.21	0.30	0.37	0.09	0.19	0.08
3	22	4	0.78	0.23	0.67	0.60	0.72	0.52	0.54	0.83	0.81	0.78	0.40	0.18	0.79	0.25	0.11	0.09	0.07	0.17	0.33	0.42	0.20	0.23	0.11
3	22	5	0.72	0.10	0.65	0.59	0.66	0.58	0.52	0.86	0.74	0.71	0.53	0.34	0.72	0.41	0.12	0.10	0.04	0.14	0.33	0.41	0.15	0.10	0.02
3	22	6	0.59	0.16	0.63	0.58	0.58	0.61	0.43	0.88	0.62	0.58	0.60	0.43	0.59	0.49	0.11	0.09	0.03	0.11	0.35	0.36	0.18	0.16	0.05
3	22	7	0.52	0.09	0.60	0.58	0.51	0.42	0.39	0.89	0.56	0.51	0.61	0.47	0.53	0.53	0.10	0.08	0.03	0.07	0.36	0.32	0.17	0.09	0.01
3	22	8	0.53	0.07	0.50	0.56	0.36	0.18	0.33	0.86	0.57	0.52	0.52	0.42	0.53	0.48	0.09	0.07	0.01	0.04	0.32	0.22	0.14	0.07	0.00
3	22	9	0.57	0.04	0.38	0.45	0.12	0.06	0.24	0.84	0.61	0.56	0.58	0.38	0.58	0.44	0.06	0.05	0.00	0.04	0.35	0.12	0.17	0.04	0.00
3	22	10	0.57	0.10	0.36	0.37	0.02	0.04	0.17	0.80	0.60	0.56	0.62	0.32	0.57	0.39	0.06	0.05	0.00	0.07	0.39	0.07	0.22	0.10	0.01
3	22	11	0.56	0.06	0.39	0.35	0.00	0.02	0.11	0.81	0.60	0.56	0.61	0.26	0.57	0.33	0.10	0.08	0.00	0.08	0.37	0.04	0.13	0.06	0.00
3	22	12	0.51	0.11	0.43	0.28	0.00	0.02	0.10	0.80	0.55	0.51	0.54	0.23	0.52	0.30	0.13	0.11	0.00	0.09	0.31	0.06	0.16	0.11	0.02
3	22	13	0.49	0.18	0.47	0.19	0.00	0.02	0.12	0.74	0.53	0.48	0.43	0.18	0.49	0.25	0.16	0.13	0.00	0.11	0.27	0.05	0.25	0.18	0.08
3	22	14	0.48	0.26	0.54	0.15	0.00	0.04	0.18	0.66	0.52	0.47	0.38	0.12	0.48	0.19	0.19	0.17	0.00	0.13	0.24	0.05	0.23	0.26	0.15
3	22	15	0.47	0.38	0.64	0.11	0.00	0.06	0.25	0.53	0.52	0.47	0.44	0.14	0.48	0.21	0.25	0.23	0.00	0.16	0.21	0.00	0.14	0.38	0.26
3	22	16	0.44	0.19	0.74	0.10	0.00	0.10	0.33	0.41	0.49	0.43	0.64	0.30	0.45	0.37	0.29	0.27	0.00	0.19	0.18	0.03	0.13	0.19	0.10
3	22	17	0.45	0.22	0.73	0.08	0.00	0.14	0.47	0.33	0.50	0.45	0.64	0.54	0.46	0.58	0.28	0.26	0.00	0.23	0.17	0.19	0.20	0.22	0.12
3	22	18	0.49	0.24	0.74	0.08	0.00	0.20	0.59	0.37	0.53	0.48	0.64	0.79	0.50	0.84	0.24	0.22	0.00	0.29	0.19	0.25	0.12	0.24	0.13
3	22	19	0.62	0.25	0.75	0.10	0.01	0.27	0.64	0.52	0.65	0.61	0.34	0.57	0.63	0.62	0.23	0.21	0.01	0.35	0.16	0.08	0.23	0.25	0.14
3	22	20	0.67	0.26	0.76	0.14	0.03	0.18	0.61	0.59	0.70	0.67	0.13	0.27	0.67	0.32	0.26	0.24	0.02	0.33	0.14	0.05	0.17	0.26	0.15
3	22	21	0.57	0.24	0.74	0.17	0.03	0.14	0.51	0.59	0.60	0.56	0.12	0.28	0.57	0.35	0.31	0.29	0.03	0.26	0.15	0.08	0.08	0.24	0.12
3	22	22	0.34	0.11	0.73	0.19	0.03	0.25	0.50	0.61	0.39	0.33	0.10	0.25	0.35	0.32	0.36	0.34	0.06	0.21	0.16	0.08	0.13	0.11	0.03
3	22	23	0.26	0.09	0.73	0.22	0.11	0.23	0.50	0.60	0.32	0.26	0.11	0.16	0.27	0.24	0.36	0.34	0.08	0.18	0.16	0.03	0.15	0.09	0.01
3	22	24	0.22	0.09	0.79	0.23	0.22	0.20	0.49	0.48	0.27	0.21	0.10	0.03	0.23	0.10	0.37	0.35	0.08	0.15	0.13	0.03	0.31	0.09	0.01
3	23	1	0.14	0.10	0.81	0.28	0.23	0.10	0.47	0.33	0.19	0.13	0.11	0.04	0.15	0.11	0.35	0.32	0.09	0.13	0.13	0.03	0.22	0.10	0.02
3	23	2	0.12	0.09	0.80	0.32	0.12	0.08	0.45	0.37	0.17	0.11	0.07	0.03	0.13	0.10	0.28	0.25	0.09	0.15	0.17	0.04	0.17	0.09	0.01
3	23	3	0.14	0.07	0.76	0.31	0.02	0.04	0.40	0.40	0.20	0.13	0.05	0.02	0.15	0.09	0.21	0.19	0.08	0.13	0.21	0.06	0.15	0.07	0.00
3	23	4	0.17	0.05	0.74	0.31	0.00	0.05	0.31	0.40	0.23	0.17	0.02	0.04	0.18	0.12	0.16	0.14	0.05	0.11	0.27	0.09	0.13	0.05	0.00
3	23	5	0.20	0.06	0.59	0.29	0.00	0.03	0.21	0.40	0.26	0.19	0.00	0.04	0.21	0.12	0.09	0.07	0.04	0.11	0.30	0.10	0.13	0.06	0.00
3	23	6	0.22	0.06	0.42	0.30	0.00	0.03	0.12	0.36	0.28	0.21	0.00	0.02	0.23	0.08	0.04	0.03	0.04	0.13	0.31	0.12	0.09	0.06	0.00
3	23	7	0.18	0.05	0.34	0.30	0.00	0.03	0.07	0.29	0.24	0.17	0.00	0.00	0.19	0.05	0.04	0.03	0.06	0.13	0.28	0.12	0.05	0.05	0.00
3	23	8	0.16	0.04	0.22	0.22	0.00	0.03	0.03	0.16	0.22	0.15	0.00	0.00	0.17	0.03	0.04	0.02	0.04	0.10	0.20	0.12	0.04	0.04	0.00
3	23	9	0.15	0.07	0.12	0.16	0.00	0.00	0.01	0.07	0.21	0.14	0.00	0.00	0.16	0.02	0.03	0.01	0.01	0.11	0.17	0.11	0.02	0.07	0.00
3	23	10	0.17	0.07	0.07	0.14	0.00	0.00	0.00	0.06	0.23	0.17	0.00	0.00	0.18	0.02	0.04	0.03	0.01	0.17	0.16	0.09	0.03	0.07	0.00
3	23	11	0.18	0.12	0.02	0.13	0.00	0.02	0.00	0.05	0.24	0.17	0.00	0.00	0.19	0.01	0.08	0.06	0.02	0.22	0.14	0.07	0.06	0.12	0.03
3	23	12	0.19	0.31	0.03	0.12	0.00	0.03	0.01	0.07	0.25	0.18	0.00	0.00	0.20	0.00	0.13	0.11	0.02	0.27	0.13	0.08	0.06	0.30	0.20
3	23	13	0.20	0.50	0.06	0.11	0.00	0.08	0.02	0.11	0.26	0.19	0.00	0.00	0.21	0.00	0.17	0.15	0.01	0.29	0.12	0.11	0.10	0.50	0.39
3	23	14	0.26	0.52	0.09	0.08	0.00	0.11	0.02	0.21	0.31	0.25	0.00	0.00	0.27	0.02	0.21	0.19	0.02	0.33	0.15	0.17	0.07	0.52	0.43
3	23	15	0.35	0.55	0.15	0.07	0.00	0.13	0.03	0.40	0.40	0.34	0.00	0.00	0.36	0.03	0.24	0.22	0.02	0.39	0.17	0.22	0.06	0.55	0.45
3	23	16	0.50	0.21	0.29	0.05	0.00	0.15	0.05	0.61	0.54	0.49	0.02	0.01	0.50	0.07	0.29	0.27	0.02	0.50	0.18	0.30	0.14	0.20	0.12
3	23	17	0.70	0.38	0.40	0.04	0.01	0.12	0.06	0.75	0.73	0.70	0.09	0.13	0.71	0.20	0.35	0.33	0.02	0.63	0.23	0.35	0.32	0.38	0.26
3	23	18	0.76	0.38	0.44	0.04	0.06	0.12	0.09	0.81	0.78	0.76	0.16	0.28	0.76	0.36	0.37	0.35	0.02	0.76	0.35	0.34	0.33	0.38	0.27
3	23	19	0.78	0.30	0.44	0.06	0.19	0.07	0.10	0.79	0.80	0.78	0.21	0.36	0.79	0.43	0.38	0.36	0.03	0.87	0.39	0.20	0.21	0.30	0.19
3	23	20	0.78	0.14	0.37	0.07	0.30	0.06	0.06	0.75	0.80	0.78	0.25	0.30	0.79	0.36	0.39	0.37	0.01	0.85	0.34	0.14	0.15	0.14	0.05
3	23	21	0.80	0.23	0.31	0.08	0.38	0.09	0.01	0.70	0.82	0.80	0.27	0.42	0.80	0.48	0.39	0.37	0.01	0.70	0.33	0.12	0.13	0.23	0.12
3	23	22	0.72	0.34	0.29	0.09	0.45	0.28	0.00	0.60	0.75	0.72	0.32	0.57	0.73	0.62	0.41	0.39	0.01	0.54	0.27	0.10	0.12	0.34	0.23
3	23	23	0.70	0.45	0.31	0.07	0.50	0.27	0.00	0.50	0.73	0.70	0.43	0.66	0.70	0.71	0.42	0.40	0.01	0.48	0.19	0.09	0.11	0.45	0.33
3	23	24	0.61	0.34	0.34	0.08	0.52	0.25	0.00	0.43	0.64	0.61	0.48	0.65	0.62	0.69	0.41	0.39	0.01	0.42	0.11	0.10	0.11	0.34	0.24
3	24	1	0.49	0.31	0.37	0.09	0.51	0.18	0.00	0.30	0.53	0.48	0.46	0.63	0.50	0.67	0.47	0.45	0.01	0.36	0.11	0.10	0.12	0.31	0.21
3	24	2	0.39	0.38	0.35	0.10	0.43	0.07	0.00	0.14	0.44	0.38	0.37	0.61	0.40	0.65	0.51	0.49	0.02	0.30	0.08	0.09	0.14	0.38	0.27
3	24	3	0.29	0.44	0.33	0.07	0.30	0.01	0.01	0.04	0.34	0.28	0.29	0.58	0.30	0.62	0.52	0.50	0.02	0.21	0.08	0.09	0.19	0.44	0.34
3	24	4	0.17	0.46	0.29	0.06	0.13	0.00	0.02	0.00	0.23	0.16	0.25	0.56	0.18	0.61	0.55	0.53	0.02	0.13	0.10	0.09	0.24	0.46	0.37
3	24	5	0.08	0.66	0.28	0.06	0.07	0.00	0.00	0.00	0.14	0.07	0.15	0.49	0.09	0.55	0.57	0.56	0.02	0.11	0.11	0.07	0.32	0.66	0.58
3	24	6	0.03	0.71	0.31	0.07	0.01	0.00	0.00	0.00	0.09	0.02	0.08	0.35	0.04	0.42	0.59	0.58	0.04	0.12	0.10	0.05	0.37	0.71	0.65
3	24	7	0.00	0.68	0.34	0.12	0.00	0.01	0.00	0.00	0.04	0.00	0.05	0.12	0.00	0.19	0.61	0.59	0.06	0.09	0.10	0.03	0.31	0.68	0.61
3	24	8	0.00	0.71	0.33	0.10	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.03	0.60	0.59	0.09	0.03	0.08	0.00	0.26	0.71	0.65
3	24	9	0.00	0.71	0.34	0.05	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.59	0.57	0.09	0.02	0.08	0.00	0.18	0.71	0.65
3	24	10	0.00	0.69	0.35	0.05	0.00	0.00	0.05	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.58	0.57	0.10	0.01	0.08	0.00	0.14	0.69	0.63
3	24	11	0.00	0.67	0.31	0.07	0.00	0.00	0.05	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.56	0.54	0.13	0.02	0.08	0.00	0.11	0.67	0.59
3	24	12	0.00	0.59	0.26	0.10	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.57	0.55	0.14	0.02	0.08	0.00	0.09	0.59	0.51
3	24	13	0.00	0.57	0.34	0.13	0.04	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.59	0.58	0.14	0.02	0.07	0.00	0.06	0.57	0.49
3	24	14	0.00	0.56	0.45	0.17	0.23	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.60	0.58	0.14	0.02	0.08	0.00	0.04	0.56	0.48
3	24	15	0.00	0.52	0.53	0.25	0.46	0.26	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.02	0.62	0.60	0.14	0.02	0.07	0.00	0.03	0.52	0.43
3	24	16	0.00	0.50	0.66	0.34	0.63	0.37	0.00	0.07	0.05	0.00	0.00	0.00	0.01	0.02	0.62	0.60	0.16	0.01	0.11	0.00	0.03	0.50	0.41
3	24	17	0.05	0.47	0.75	0.41	0.74	0.47	0.00	0.24	0.10	0.04	0.00	0.00	0.06	0.03	0.57	0.55	0.19	0.00	0.17	0.00	0.03	0.47	0.37
3	24	18	0.19	0.42	0.73	0.51	0.83	0.75	0.00	0.39	0.25	0.18	0.02	0.00	0.20	0.04	0.50	0.48	0.24	0.00	0.16	0.01	0.06	0.42	0.32
3	24	19	0.26	0.38	0.74	0.62	0.89	0.89	0.00	0.53	0.31	0.25	0.03	0.01	0.27	0.08	0.46	0.44	0.33	0.00	0.17	0.05	0.08	0.38	0.28
3	24	20	0.34	0.44	0.76	0.65	0.90	0.86	0.00	0.59	0.39	0.33	0.09	0.09	0.35	0.17	0.45	0.43	0.46	0.00	0.20	0.06	0.12	0.44	0.34
3	24	21	0.39	0.49	0.78	0.59	0.88	0.83	0.00	0.66	0.44	0.38	0.11	0.04	0.40	0.11	0.46	0.44	0.62	0.00	0.29	0.09	0.16	0.49	0.39
3	24	22	0.26	0.44	0.76	0.57	0.87	0.82	0.00	0.64	0.31	0.25	0.05	0.00	0.27	0.05	0.48	0.46	0.72	0.02	0.42	0.07	0.16	0.44	0.34
3	24	23	0.15	0.41	0.72	0.57	0.88	0.79	0.00	0.55	0.20	0.14	0.03	0.00	0.16	0.03	0.50	0.48	0.77	0.07	0.56	0.05	0.16	0.41	0.30
3	24	24	0.12	0.39	0.61	0.53	0.90	0.72	0.00	0.47	0.18	0.11	0.01	0.00	0.13	0.01	0.50	0.49	0.82	0.29	0.74	0.06	0.15	0.39	0.29
3	25	1	0.13	0.32	0.53	0.47	0.90	0.59	0.00	0.37	0.19	0.12	0.00	0.00	0.14	0.01	0.52	0.50	0.79	0.54	0.85	0.04	0.12	0.32	0.22
3	25	2	0.11	0.32	0.55	0.41	0.87	0.40	0.00	0.29	0.17	0.10	0.00	0.00	0.12	0.01	0.51	0.49	0.72	0.64	0.90	0.03	0.11	0.32	0.21
3	25	3	0.10	0.29	0.52	0.44	0.82	0.31	0.00	0.23	0.16	0.09	0.00	0.00	0.11	0.02	0.52	0.51	0.60	0.68	0.96	0.00	0.07	0.29	0.18
3	25	4	0.09	0.25	0.51	0.43	0.80	0.24	0.00	0.17	0.15	0.08	0.00	0.00	0.10	0.03	0.52	0.50	0.52	0.72	0.99	0.00	0.05	0.25	0.14
3	25	5	0.08	0.23	0.44	0.43	0.82	0.31	0.00	0.12	0.14	0.07	0.00	0.00	0.09	0.02	0.49	0.48	0.46	0.75	0.99	0.00	0.02	0.23	0.12
3	25	6	0.09	0.20	0.39	0.42	0.84	0.32	0.00	0.06	0.14	0.08	0.00	0.00	0.10	0.01	0.46	0.44	0.41	0.74	0.98	0.00	0.00	0.20	0.10
3	25	7	0.11	0.16	0.31	0.39	0.81	0.32	0.00	0.02	0.17	0.10	0.00	0.00	0.12	0.01	0.42	0.40	0.33	0.69	0.97	0.00	0.00	0.16	0.06
3	25	8	0.11	0.19	0.41	0.32	0.77	0.12	0.00	0.00	0.16	0.10	0.00	0.00	0.12	0.01	0.41	0.39	0.32	0.63	0.96	0.00	0.00	0.19	0.08
3	25	9	0.16	0.25	0.63	0.31	0.69	0.07	0.01	0.00	0.22	0.15	0.00	0.00	0.17	0.01	0.50	0.49	0.33	0.70	0.95	0.00	0.00	0.25	0.14
3	25	10	0.16	0.26	0.73	0.28	0.58	0.05	0.02	0.00	0.22	0.15	0.00	0.00	0.17	0.01	0.49	0.48	0.34	0.71	0.97	0.01	0.01	0.26	0.15
3	25	11	0.15	0.25	0.77	0.28	0.43	0.06	0.04	0.03	0.21	0.14	0.00	0.00	0.16	0.00	0.49	0.48	0.32	0.63	0.97	0.00	0.04	0.25	0.14
3	25	12	0.12	0.20	0.85	0.29	0.30	0.07	0.10	0.13	0.18	0.11	0.00	0.00	0.13	0.00	0.53	0.51	0.35	0.50	0.95	0.01	0.06	0.20	0.09
3	25	13	0.16	0.16	0.89	0.29	0.18	0.10	0.14	0.27	0.21	0.15	0.00	0.00	0.17	0.00	0.53	0.51	0.47	0.38	0.91	0.03	0.04	0.16	0.06
3	25	14	0.29	0.19	0.84	0.32	0.09	0.11	0.21	0.44	0.35	0.28	0.00	0.00	0.30	0.01	0.52	0.50	0.64	0.31	0.86	0.03	0.02	0.19	0.08
3	25	15	0.44	0.14	0.78	0.34	0.05	0.15	0.25	0.64	0.49	0.43	0.02	0.00	0.45	0.03	0.49	0.47	0.58	0.33	0.79	0.04	0.01	0.14	0.05
3	25	16	0.54	0.09	0.79	0.35	0.07	0.20	0.29	0.76	0.58	0.53	0.14	0.00	0.55	0.06	0.42	0.40	0.43	0.48	0.71	0.05	0.00	0.09	0.01
3	25	17	0.62	0.14	0.77	0.35	0.21	0.23	0.35	0.82	0.66	0.62	0.31	0.01	0.63	0.08	0.35	0.33	0.22	0.69	0.66	0.07	0.01	0.14	0.04
3	25	18	0.66	0.12	0.69	0.33	0.45	0.32	0.44	0.84	0.69	0.65	0.39	0.00	0.66	0.06	0.28	0.26	0.12	0.81	0.73	0.11	0.01	0.12	0.03
3	25	19	0.69	0.12	0.66	0.32	0.69	0.50	0.54	0.79	0.72	0.68	0.39	0.02	0.69	0.08	0.26	0.24	0.12	0.87	0.80	0.13	0.01	0.12	0.03
3	25	20	0.59	0.16	0.53	0.30	0.74	0.64	0.57	0.76	0.63	0.59	0.34	0.16	0.60	0.24	0.19	0.17	0.19	0.86	0.83	0.08	0.01	0.15	0.06
3	25	21	0.50	0.22	0.36	0.27	0.73	0.59	0.60	0.72	0.54	0.49	0.25	0.21	0.50	0.29	0.11	0.09	0.29	0.85	0.87	0.06	0.00	0.22	0.11
3	25	22	0.45	0.21	0.23	0.23	0.73	0.56	0.59	0.70	0.49	0.44	0.19	0.28	0.46	0.34	0.06	0.05	0.39	0.84	0.90	0.07	0.00	0.21	0.10
3	25	23	0.39	0.18	0.17	0.22	0.72	0.48	0.58	0.68	0.44	0.39	0.21	0.34	0.40	0.40	0.07	0.05	0.35	0.82	0.90	0.07	0.00	0.18	0.08
3	25	24	0.38	0.20	0.16	0.23	0.67	0.41	0.54	0.64	0.43	0.37	0.21	0.37	0.39	0.43	0.08	0.06	0.22	0.80	0.87	0.10	0.00	0.20	0.09
3	26	1	0.38	0.18	0.19	0.25	0.61	0.33	0.49	0.63	0.43	0.38	0.21	0.38	0.39	0.45	0.11	0.09	0.10	0.73	0.83	0.06	0.01	0.18	0.08
3	26	2	0.39	0.27	0.18	0.25	0.56	0.34	0.41	0.62	0.44	0.38	0.22	0.39	0.40	0.45	0.19	0.16	0.05	0.64	0.79	0.02	0.02	0.27	0.16
3	26	3	0.38	0.39	0.19	0.28	0.49	0.21	0.32	0.59	0.43	0.38	0.21	0.38	0.39	0.45	0.27	0.24	0.05	0.59	0.68	0.00	0.03	0.39	0.28
3	26	4	0.35	0.44	0.21	0.33	0.40	0.15	0.26	0.56	0.40	0.35	0.20	0.38	0.36	0.44	0.32	0.30	0.07	0.57	0.67	0.00	0.02	0.44	0.34
3	26	5	0.35	0.49	0.26	0.38	0.33	0.16	0.19	0.50	0.40	0.34	0.19	0.37	0.36	0.44	0.30	0.28	0.08	0.53	0.63	0.02	0.02	0.49	0.39
3	26	6	0.32	0.49	0.31	0.40	0.29	0.16	0.13	0.42	0.37	0.31	0.16	0.37	0.33	0.43	0.29	0.27	0.07	0.47	0.62	0.06	0.02	0.49	0.40
3	26	7	0.27	0.46	0.30	0.37	0.21	0.21	0.10	0.35	0.33	0.26	0.17	0.35	0.28	0.42	0.28	0.26	0.06	0.37	0.49	0.12	0.01	0.46	0.36
3	26	8	0.21	0.40	0.13	0.36	0.08	0.09	0.08	0.26	0.27	0.20	0.19	0.30	0.22	0.37	0.26	0.24	0.04	0.24	0.23	0.16	0.00	0.40	0.29
3	26	9	0.19	0.31	0.06	0.47	0.01	0.03	0.06	0.23	0.25	0.18	0.30	0.24	0.20	0.31	0.30	0.28	0.03	0.21	0.11	0.23	0.00	0.31	0.20

Solar / Geothermal / Biomass / Small Hydro

Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
3	20	19	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	6	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.17	1.00	1.00	1.00
3	21	7	0.00	0.10	0.31	0.10	0.15	0.04	0.06	0.08	0.01	0.17	0.29	0.22	0.35	0.21	0.08	0.35	0.26	0.14	0.27	0.66	1.00	1.00	1.00
3	21	8	0.15	0.33	0.55	0.32	0.63	0.44	0.32	0.25	0.18	0.29	0.52	0.50	0.67	0.51	0.30	0.67	0.41	0.30	0.50	0.87	1.00	1.00	1.00
3	21	9	0.34	0.50	0.70	0.49	0.89	0.76	0.35	0.35	0.42	0.42	0.54	0.64	0.91	0.65	0.40	0.90	0.51	0.48	0.69	0.92	1.00	1.00	1.00
3	21	10	0.52	0.65	0.70	0.64	0.96	0.91	0.46	0.41	0.67	0.50	0.38	1.00	1.00	0.81	0.65	1.00	0.43	0.55	0.68	1.00	1.00	1.00	1.00
3	21	11	0.58	0.67	0.66	0.66	0.98	0.96	0.71	0.36	0.52	0.10	0.58	0.85	0.97	0.84	0.81	0.96	0.49	0.56	0.74	0.91	1.00	1.00	1.00
3	21	12	0.64	0.71	0.63	0.70	1.00	0.98	0.90	0.41	0.60	0.20	0.43	0.64	1.00	0.85	0.94	1.00	0.44	0.53	0.74	0.73	1.00	1.00	1.00
3	21	13	0.66	0.72	0.66	0.71	1.00	0.98	0.97	0.38	0.24	0.39	0.63	0.93	0.94	0.86	0.79	0.94	0.60	0.55	0.79	0.53	1.00	1.00	1.00
3	21	14	0.59	0.66	0.63	0.65	1.00	0.96	0.96	0.52	0.24	0.31	0.64	0.12	1.00	0.97	0.70	1.00	0.39	0.53	0.83	0.48	1.00	1.00	1.00
3	21	15	0.57	0.66	0.57	0.65	0.99	0.92	0.92	0.60	0.45	0.51	0.73	0.21	0.90	0.70	0.76	0.89	0.38	0.49	0.66	0.29	1.00	1.00	1.00
3	21	16	0.49	0.62	0.49	0.61	0.93	0.84	0.83	0.45	0.53	0.54	0.44	0.82	0.77	0.57	0.70	0.76	0.31	0.45	0.54	0.13	1.00	1.00	1.00
3	21	17	0.29	0.44	0.43	0.43	0.79	0.64	0.63	0.43	0.53	0.17	0.42	0.56	0.50	0.44	0.49	0.50	0.46	0.43	0.41	0.05	1.00	1.00	1.00
3	21	18	0.04	0.11	0.16	0.11	0.28	0.19	0.18	0.07	0.09	0.06	0.16	0.19	0.18	0.14	0.17	0.18	0.16	0.17	0.09	0.00	1.00	1.00	1.00
3	21	19	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
3	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	6	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.01	1.00	1.00	1.00
3	22	7	0.01	0.16	0.23	0.16	0.14	0.04	0.08	0.22	0.19	0.31	0.39	0.47	0.38	0.19	0.23	0.38	0.24	0.40	0.09	0.11	1.00	1.00	1.00
3	22	8	0.21	0.47	0.50	0.46	0.48	0.52	0.48	0.63	0.62	0.73	0.72	0.78	0.70	0.46	0.53	0.70	0.51	0.68	0.39	0.23	1.00	1.00	1.00
3	22	9	0.47	0.69	0.64	0.68	0.67	0.76	0.67	0.85	0.86	0.96	0.94	0.94	0.82	0.66	0.70	0.81	0.67	0.82	0.42	0.29	1.00	1.00	1.00
3	22	10	0.66	0.83	0.77	0.81	0.75	0.85	0.89	0.95	0.98	1.00	1.00	0.99	0.76	0.80	0.84	0.76	0.89	0.92	0.41	0.45	1.00	1.00	1.00
3	22	11	0.72	0.83	0.79	0.82	0.86	0.92	0.95	0.97	1.00	1.00	1.00	0.73	0.63	0.71	0.75	0.62	0.93	0.88	0.32	0.56	1.00	1.00	1.00
3	22	12	0.71	0.79	0.78	0.78	0.93	0.91	0.93	0.98	0.93	0.60	0.91	0.95	0.53	0.41	0.86	0.53	0.94	0.82	0.43	0.52	1.00	1.00	1.00
3	22	13	0.70	0.77	0.80	0.76	0.94	0.71	0.96	0.99	0.93	1.00	0.69	0.67	0.61	0.48	0.65	0.61	0.93	0.80	0.42	0.62	1.00	1.00	1.00
3	22	14	0.60	0.66	0.74	0.65	1.00	0.61	0.87	0.94	1.00	0.83	0.72	0.43	0.44	0.09	0.55	0.44	0.86	0.88	0.27	0.58	1.00	1.00	1.00
3	22	15	0.53	0.62	0.71	0.60	0.84	0.72	0.82	0.94	0.93	1.00	0.80	0.42	0.22	0.13	0.29	0.22	0.89	0.82	0.17	0.51	1.00	1.00	1.00
3	22	16	0.38	0.48	0.62	0.47	0.69	0.75	0.78	0.81	0.84	0.91	0.55	0.16	0.05	0.04	0.09	0.05	0.84	0.73	0.15	0.43	1.00	1.00	1.00
3	22	17	0.25	0.38	0.44	0.37	0.45	0.58	0.60	0.66	0.62	0.68	0.47	0.30	0.23	0.05	0.13	0.23	0.65	0.57	0.14	0.14	1.00	1.00	1.00
3	22	18	0.05	0.12	0.18	0.12	0.21	0.23	0.23	0.20	0.12	0.39	0.21	0.08	0.06	0.00	0.02	0.06	0.25	0.27	0.01	0.00	1.00	1.00	1.00
3	22	19	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
3	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	6	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.06	1.00	1.00	1.00
3	23	7	0.00	0.14	0.30	0.13	0.24	0.08	0.10	0.24	0.20	0.26	0.24	0.48	0.23	0.01	0.16	0.23	0.43	0.35	0.17	0.25	1.00	1.00	1.00
3	23	8	0.16	0.39	0.54	0.38	0.67	0.54	0.55	0.63	0.62	0.70	0.40	0.74	0.40	0.03	0.22	0.40	0.65	0.63	0.38	0.32	1.00	1.00	1.00
3	23	9	0.37	0.57	0.71	0.56	0.88	0.78	0.78	0.84	0.85	0.95	0.53	0.81	0.44	0.04	0.32	0.44	0.67	0.76	0.56	0.57	1.00	1.00	1.00
3	23	10	0.56	0.71	0.72	0.70	0.93	0.90	0.90	0.94	0.94	1.00	0.75	0.96	0.48	0.28	0.40	0.47	0.70	0.81	0.44	0.52	1.00	1.00	1.00
3	23	11	0.70	0.81	0.79	0.80	0.97	0.95	0.95	0.97	1.00	1.00	0.97	0.93	0.75	0.32	0.46	0.75	0.79	0.78	0.56	0.61	1.00	1.00	1.00
3	23	12	0.78	0.86	0.73	0.85	1.00	0.96	0.96	0.98	1.00	1.00	1.00	0.85	0.72	0.68	0.42	0.72	0.82	0.76	0.53	0.36	1.00	1.00	1.00
3	23	13	0.82	0.90	0.77	0.88	1.00	0.96	0.95	0.98	0.93	1.00	0.93	0.97	0.83	0.81	0.65	0.82	0.91	0.73	0.58	0.43	1.00	1.00	1.00
3	23	14	0.79	0.88	0.74	0.86	1.00	0.93	0.93	0.97	1.00	1.00	1.00	0.39	1.00	0.88	0.74	0.99	0.87	0.80	0.63	0.21	1.00	1.00	1.00
3	23	15	0.73	0.86	0.73	0.84	0.95	0.90	0.89	0.90	1.00	1.00	0.96	0.61	0.89	0.98	0.80	0.89	0.83	0.76	0.65	0.31	1.00	1.00	1.00
3	23	16	0.58	0.73	0.57	0.72	0.81	0.81	0.80	0.77	0.90	0.95	0.83	0.72	0.80	0.83	0.59	0.80	0.63	0.69	0.38	0.18	1.00	1.00	1.00
3	23	17	0.33	0.50	0.43	0.49	0.48	0.59	0.62	0.65	0.70	0.75	0.64	0.42	0.55	0.65	0.42	0.55	0.38	0.60	0.28	0.13	1.00	1.00	1.00
3	23	18	0.05	0.15	0.18	0.15	0.16	0.26	0.22	0.12	0.12	0.34	0.30	0.16	0.20	0.24	0.13	0.20	0.15	0.29	0.04	0.00	1.00	1.00	1.00
3	23	19	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
3	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	6	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.02	0.06	0.14	1.00	1.00	1.00
3	24	7	0.01	0.20	0.43	0.19	0.19	0.09	0.12	0.24	0.12	0.30	0.43	0.50	0.46	0.42	0.39	0.45	0.51	0.47	0.40	0.49	1.00	1.00	1.00
3	24	8	0.22	0.51	0.72	0.50	0.55	0.53	0.55	0.61	0.32	0.72	0.78	0.81	0.79	0.76	0.74	0.79	0.78	0.76	0.69	0.70	1.00	1.00	1.00
3	24	9	0.50	0.74	0.88	0.73	0.74	0.77	0.76	0.83	0.62	0.94	0.97	0.98	0.98	0.94	0.94	0.97	0.91	0.89	0.84	0.80	1.00	1.00	1.00
3	24	10	0.70	0.88	0.93	0.86	0.85	0.88	0.87	0.94	0.69	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.93	0.87	0.82	1.00	1.00	1.00
3	24	11	0.82	0.94	0.93	0.93	0.91	0.93	0.93	0.97	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.93	0.88	0.71	1.00	1.00	1.00
3	24	12	0.88	0.97	0.99	0.95	0.95	0.96	0.94	0.98	0.71	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.92	0.98	0.85	1.00	1.00	1.00
3	24	13	0.85	0.93	0.96	0.91	0.91	0.96	0.95	0.98	0.66	1.00	1.00	0.64	1.00	1.00	1.00	1.00	0.95	0.92	0.88	0.93	1.00	1.00	1.00
3	24	14	0.81	0.90	0.94	0.88	0.88	0.90	0.92	0.95	0.63	1.00	1.00	0.69	1.00	1.00	1.00	1.00	0.93	0.90	0.76	0.92	1.00	1.00	1.00
3	24	15	0.72	0.84	0.89	0.82	0.85	0.85	0.88	0.93	0.59	1.00	1.00	0.91	1.00	0.85	0.79	1.00	0.83	0.91	0.64	1.00	1.00	1.00	1.00
3	24	16	0.58	0.75	0.81	0.73	0.81	0.68	0.78	0.84	0.64	0.96	0.91	0.85	0.93	0.79	0.80	0.92	0.83	0.80	0.69	0.81	1.00	1.00	1.00
3	24	17	0.33	0.51	0.53	0.50	0.68	0.49	0.54	0.61	0.53	0.72	0.63	0.47	0.71	0.60	0.55	0.70	0.69	0.67	0.48	0.40	1.00	1.00	1.00
3	24	18	0.05	0.17	0.18	0.17	0.29	0.23	0.23	0.15	0.13	0.33	0.32	0.18	0.28	0.22	0.21	0.28	0.27	0.32	0.11	0.01	1.00	1.00	1.00
3	24	19	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
3	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	6	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.10	0.02	0.08	0.21	1.00	1.00	1.00
3	25	7	0.01	0.16	0.36	0.15	0.01	0.00	0.03	0.13	0.04	0.30	0.36	0.48	0.44	0.42	0.36	0.44	0.51	0.37	0.55	0.57	1.00	1.00	1.00
3	25	8	0.20	0.41	0.55	0.40	0.14	0.17	0.35	0.43	0.16	0.70	0.74	0.77	0.77	0.74	0.72	0.77	0.77	0.56	0.82	0.64	1.00	1.00	1.00
3	25	9	0.43	0.62	0.68	0.61	0.34	0.41	0.53	0.67	0.37	0.91	0.95	0.95	0.95	0.88	0.91	0.94	0.89	0.68	0.97	0.66	1.00	1.00	1.00
3	25	10	0.64	0.80	0.73	0.78	0.49	0.70	0.74	0.83	0.65	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.95	0.72	1.00	0.67	1.00	1.00	1.00
3	25	11	0.77	0.88	0.74	0.87	0.56	0.78	0.76	0.93	0.97	0.96	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.69	1.00	0.65	1.00	1.00	1.00
3	25	12	0.84	0.93	0.73	0.91	0.60	0.87	0.77	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.63	1.00	0.67	1.00	1.00	1.00
3	25	13	0.83	0.91	0.76	0.89	0.54	0.91	0.73	0.79	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.82	0.64	1.00	0.77	1.00	1.00	1.00
3	25	14	0.79	0.88	0.73	0.86	0.51	0.90	0.68	0.79	1.00	1.00	0.98	1.00	1.00	1.00	0.95	1.00	0.70	0.60	0.99	0.71	1.00	1.00	1.00
3	25	15	0.68	0.80	0.66	0.78	0.34	0.86	0.68	0.66	0.96	1.00	0.85	0.99	0.95	0.97	0.96	0.94	0.52	0.54	0.98	0.71	1.00	1.00	1.00
3	25	16	0.53	0.67	0.58	0.66	0.44	0.81	0.68	0.52	0.81	0.92	0.76	0.77	0.65	0.90	0.85	0.64	0.37	0.49	0.87	0.59	1.00	1.00	1.00
3	25	17	0.29	0.44	0.40	0.43	0.43	0.57	0.49	0.46	0.55	0.68	0.50	0.37	0.43	0.67	0.49	0.43	0.17	0.43	0.58	0.24	1.00	1.00	1.00
3	25	18	0.05	0.15	0.14	0.14	0.25	0.28	0.13	0.12	0.23	0.23	0.24	0.12	0.16	0.26	0.17	0.16	0.05	0.16	0.16	0.01	1.00	1.00	1.00
3	25	19	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
3	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	6	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.01	0.01	0.03	0.01	0.08	0.23	1.00	1.00	1.00
3	26	7	0.01	0.10	0.36	0.10	0.10	0.07	0.07	0.03	0.00	0.00	0.12	0.46	0.33	0.22	0.30	0.33	0.29	0.25	0.46	0.53	1.00	1.00	1.00
3	26	8	0.15	0.31	0.61	0.31	0.24	0.26	0.51	0.17	0.06	0.14	0.34	0.71	0.67	0.63	0.60	0.67	0.51	0.50	0.73	0.64	1.00	1.00	1.00
3	26	9	0.36	0.52	0.80	0.51	0.28	0.69	0.74	0.41	0.23	0.44	0.56	0.83	0.83	0.82	0.74	0.82	0.61	0.65	0.84	0.95	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
3	26	10	0.28	0.20	0.06	0.59	0.02	0.03	0.05	0.29	0.34	0.27	0.46	0.19	0.29	0.26	0.29	0.27	0.04	0.27	0.06	0.40	0.00	0.20	0.10	0.51	0.64	0.88	0.62	0.21	0.64	0.83	0.60	0.36	0.56	0.80	0.96	0.92	0.91	0.83	0.91	0.63	0.72	0.92	0.99	1.00	1.00	1.00
3	26	11	0.43	0.09	0.11	0.73	0.15	0.02	0.04	0.43	0.48	0.42	0.57	0.20	0.44	0.27	0.34	0.32	0.07	0.37	0.04	0.58	0.00	0.09	0.01	0.60	0.70	0.96	0.69	0.15	0.50	0.77	0.75	0.63	0.55	0.88	1.00	0.99	0.96	0.91	0.98	0.75	0.81	0.96	1.00	1.00	1.00	1.00
3	26	12	0.55	0.08	0.11	0.89	0.46	0.03	0.05	0.61	0.58	0.54	0.64	0.29	0.55	0.36	0.39	0.37	0.11	0.48	0.03	0.72	0.01	0.08	0.01	0.66	0.74	0.97	0.72	0.18	0.48	0.90	0.78	0.84	0.49	0.91	0.95	0.97	0.96	0.93	0.96	0.84	0.81	1.00	1.00	1.00	1.00	1.00
3	26	13	0.74	0.06	0.08	0.93	0.71	0.17	0.07	0.77	0.77	0.74	0.68	0.44	0.75	0.50	0.43	0.41	0.18	0.70	0.06	0.83	0.02	0.06	0.00	0.66	0.72	0.92	0.71	0.17	0.18	0.78	0.85	0.84	0.61	0.93	1.00	1.00	0.88	0.92	0.99	0.68	0.83	1.00	0.99	1.00	1.00	1.00
3	26	14	0.88	0.04	0.01	0.92	0.85	0.38	0.12	0.83	0.89	0.87	0.69	0.50	0.88	0.56	0.41	0.39	0.26	0.88	0.15	0.88	0.04	0.04	0.00	0.59	0.66	0.84	0.65	0.15	0.28	0.55	0.82	0.72	0.72	0.92	0.89	0.91	0.74	0.83	0.90	0.50	0.71	0.96	0.94	1.00	1.00	1.00
3	26	15	0.95	0.03	0.01	0.93	0.93	0.81	0.19	0.84	0.95	0.95	0.70	0.53	0.95	0.58	0.38	0.36	0.32	0.98	0.20	0.92	0.09	0.03	0.00	0.48	0.56	0.72	0.55	0.15	0.12	0.42	0.64	0.71	0.84	0.83	0.75	0.81	0.58	0.64	0.81	0.48	0.65	0.86	0.82	1.00	1.00	1.00
3	26	16	0.98	0.02	0.06	0.93	0.94	0.95	0.30	0.83	0.98	0.98	0.70	0.53	0.98	0.58	0.38	0.36	0.36	1.00	0.24	0.95	0.21	0.02	0.00	0.35	0.45	0.50	0.44	0.17	0.09	0.14	0.48	0.64	0.77	0.77	0.63	0.53	0.63	0.60	0.52	0.26	0.71	0.71	0.75	1.00	1.00	1.00
3	26	17	0.98	0.03	0.10	0.92	0.92	0.95	0.32	0.82	0.98	0.98	0.74	0.54	0.98	0.58	0.35	0.33	0.35	1.00	0.33	0.95	0.46	0.03	0.00	0.22	0.33	0.37	0.33	0.30	0.20	0.23	0.33	0.43	0.58	0.69	0.33	0.43	0.38	0.40	0.43	0.27	0.64	0.41	0.42	1.00	1.00	1.00
3	26	18	0.87	0.09	0.11	0.75	0.89	0.84	0.34	0.73	0.88	0.87	0.84	0.62	0.87	0.66	0.37	0.35	0.31	0.98	0.41	0.89	0.67	0.09	0.01	0.04	0.12	0.08	0.12	0.16	0.15	0.14	0.07	0.09	0.24	0.37	0.12	0.16	0.12	0.15	0.16	0.06	0.26	0.10	0.01	1.00	1.00	1.00
3	26	19	0.68	0.10	0.16	0.58	0.88	0.54	0.36	0.68	0.70	0.67	0.92	0.69	0.68	0.73	0.38	0.36	0.54	0.93	0.44	0.91	0.75	0.10	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	20	0.77	0.15	0.37	0.57	0.86	0.80	0.45	0.77	0.79	0.76	0.93	0.65	0.77	0.69	0.42	0.40	0.77	0.90	0.57	0.92	0.77	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	21	0.88	0.24	0.65	0.55	0.73	0.84	0.62	0.84	0.89	0.88	0.86	0.68	0.88	0.72	0.54	0.52	0.47	0.93	0.66	0.89	0.74	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	22	0.85	0.22	0.71	0.47	0.55	0.73	0.57	0.88	0.86	0.85	0.82	0.73	0.85	0.77	0.70	0.69	0.47	0.94	0.68	0.88	0.75	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	23	0.79	0.25	0.75	0.49	0.58	0.58	0.61	0.90	0.81	0.79	0.85	0.65	0.80	0.69	0.72	0.70	0.58	0.95	0.72	0.86	0.70	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	26	24	0.82	0.30	0.84	0.41	0.53	0.47	0.72	0.93	0.84	0.82	0.85	0.60	0.82	0.65	0.70	0.69	0.59	0.93	0.75	0.79	0.60	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	1	0.86	0.35	0.90	0.42	0.51	0.50	0.78	0.90	0.87	0.86	0.80	0.56	0.86	0.60	0.72	0.71	0.84	0.90	0.80	0.71	0.45	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	2	0.93	0.34	0.94	0.36	0.69	0.36	0.85	0.87	0.94	0.93	0.83	0.57	0.93	0.61	0.68	0.67	0.71	0.91	0.84	0.61	0.44	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	3	0.88	0.39	0.84	0.33	0.82	0.32	0.87	0.87	0.89	0.87	0.89	0.67	0.88	0.71	0.67	0.66	0.49	0.84	0.88	0.62	0.50	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	4	0.87	0.44	0.74	0.37	0.75	0.37	0.91	0.79	0.88	0.87	0.89	0.77	0.87	0.80	0.71	0.70	0.36	0.81	0.86	0.62	0.50	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	5	0.72	0.43	0.69	0.36	0.61	0.73	0.96	0.63	0.75	0.72	0.81	0.80	0.73	0.82	0.70	0.69	0.35	0.84	0.83	0.63	0.51	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	6	0.57	0.46	0.68	0.35	0.42	0.91	0.97	0.55	0.60	0.56	0.68	0.87	0.57	0.89	0.71	0.70	0.50	0.88	0.79	0.52	0.50	0.46	0.36	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.03	0.01	0.08	0.16	1.00	1.00	1.00
3	27	7	0.58	0.44	0.66	0.38	0.33	0.81	0.98	0.67	0.61	0.58	0.77	0.88	0.59	0.90	0.66	0.65	0.65	0.91	0.77	0.43	0.54	0.44	0.34	0.01	0.16	0.29	0.16	0.20	0.16	0.14	0.14	0.10	0.24	0.37	0.34	0.35	0.43	0.22	0.35	0.20	0.17	0.53	0.66	1.00	1.00	1.00
3	27	8	0.82	0.41	0.59	0.33	0.24	0.77	0.99	0.77	0.84	0.82	0.73	0.72	0.82	0.74	0.63	0.62	0.65	0.97	0.71	0.48	0.68	0.41	0.31	0.19	0.43	0.48	0.42	0.47	0.58	0.58	0.36	0.44	0.43	0.65	0.76	0.69	0.66	0.47	0.69	0.36	0.27	0.82	0.95	1.00	1.00	1.00
3	27	9	0.90	0.42	0.58	0.27	0.17	0.80	1.00	0.93	0.91	0.90	0.76	0.72	0.90	0.74	0.67	0.66	0.77	0.98	0.68	0.69	0.77	0.42	0.32	0.42	0.62	0.59	0.61	0.71	0.81	0.82	0.44	0.44	0.69	0.73	0.95	0.89	0.89	0.55	0.88	0.32	0.36	0.96	1.00	1.00	1.00	1.00
3	27	10	0.95	0.47	0.61	0.29	0.19	0.74	1.00	0.98	0.96	0.95	0.85	0.83	0.96	0.85	0.72	0.71	0.79	0.98	0.73	0.82	0.79	0.47	0.37	0.58	0.73	0.63	0.72	0.63	0.89	0.93	0.66	0.88	0.55	0.86	0.90	0.86	0.88	0.73	0.85	0.29	0.39	1.00	1.00	1.00	1.00	1.00
3	27	11	0.97	0.56	0.62	0.33	0.30	0.68	1.00	0.98	0.98	0.97	0.95	0.92	0.97	0.93	0.74	0.73	0.73	0.99	0.77	0.91	0.78	0.56	0.47	0.67	0.78	0.72	0.76	0.63	0.82	0.99	0.60	0.82	0.62	0.68	0.95	0.94	1.00	0.90	0.93	0.49	0.52	1.00	1.00	1.00	1.00	1.00
3	27	12	0.93	0.61	0.60	0.41	0.52	0.88	1.00	0.92	0.93	0.92	0.95	0.95	0.93	0.95	0.79	0.79	0.82	1.00	0.85	0.97	0.77	0.61	0.53	0.61	0.68	0.79	0.67	0.60	0.87	0.91	0.65	0.88	0.36	0.56	0.30	0.82	0.93	0.89	0.81	0.65	0.51	1.00	1.00	1.00	1.00	1.00
3	27	13	0.80	0.63	0.60	0.45	0.59	0.98	1.00	0.77	0.81	0.80	0.89	0.98	0.80	0.98	0.87	0.86	0.89	1.00	0.91	0.98	0.76	0.63	0.56	0.62	0.67	0.79	0.66	0.69	0.97	0.75	0.60	0.93	0.72	0.71	0.17	0.44	0.70	0.93	0.44	0.75	0.57	1.00	1.00	1.00	1.00	1.00
3	27	14	0.79	0.70	0.61	0.50	0.49	0.97	1.00	0.71	0.81	0.78	0.95	1.00	0.79	1.00	0.89	0.89	0.92	1.00	0.95	0.99	0.80	0.70	0.64	0.58	0.64	0.68	0.63	0.57	0.53	0.92	0.61	0.82	0.91	0.73	0.33	0.58	0.52	0.79	0.58	0.60	0.48	0.94	1.00	1.00	1.00	1.00
3	27	15	0.79	0.78	0.66	0.57	0.48	0.96	1.00	0.68	0.81	0.78	0.98	1.00	0.79	1.00	0.86	0.86	0.95	1.00	0.91	0.98	0.91	0.78	0.73	0.56	0.66	0.68	0.64	0.69	0.55	0.77	0.63	0.94	0.89	0.67	0.31	0.76	0.62	0.80	0.75	0.65	0.48	0.89	0.99	1.00	1.00	1.00
3	27	16	0.79	0.80	0.72	0.68	0.51	0.97	1.00	0.66	0.81	0.78	0.99	1.00	0.79	1.00	0.88	0.88	0.95	0.99	0.81	0.95	0.94	0.80	0.75	0.48	0.60	0.54	0.59	0.69	0.69	0.65	0.42	0.96	0.71	0.72	0.44	0.82	0.62	0.55	0.82	0.41	0.53	0.75	0.76	1.00	1.00	1.00
3	27	17	0.79	0.73	0.75	0.75	0.51	0.98	1.00	0.67	0.81	0.78	0.99	1.00	0.79	1.00	0.93	0.93	0.93	0.98	0.75	0.80	0.90	0.73	0.67	0.31	0.48	0.35	0.47	0.64	0.66	0.53	0.37	0.77	0.71	0.58	0.35	0.62	0.59	0.40	0.62	0.40	0.44	0.38	0.35	1.00	1.00	1.00
3	27	18	0.77	0.72	0.75	0.68	0.60	0.96	0.99	0.68	0.79	0.77	0.99	0.99	0.77	0.99	0.90	0.90	0.89	0.84	0.70	0.74	0.84	0.72	0.66	0.05	0.16	0.08	0.16	0.28	0.20	0.25	0.11	0.22	0.23	0.31	0.12	0.24	0.25	0.15	0.24	0.12	0.20	0.09	0.01	1.00	1.00	1.00
3	27	19	0.61	0.73	0.78	0.77	0.79	0.91	0.98	0.66	0.64	0.61	0.99	0.97	0.62	0.98	0.90	0.89	0.85	0.52	0.67	0.80	0.67	0.73	0.67	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	20	0.56	0.77	0.82	0.80	0.81	0.94	0.99	0.66	0.60	0.56	0.95	0.96	0.57	0.97	0.90	0.90	0.82	0.40	0.73	0.66	0.52	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	21	0.37	0.75	0.83	0.80	0.75	0.91	0.99	0.65	0.42	0.37	0.88	0.96	0.38	0.97	0.90	0.90	0.80	0.41	0.70	0.49	0.66	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	22	0.49	0.74	0.86	0.83	0.63	0.86	0.99	0.68	0.53	0.49	0.82	0.96	0.50	0.97	0.89	0.89	0.80	0.28	0.68	0.46	0.72	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	23	0.71	0.71	0.88	0.88	0.56	0.53	1.00	0.77	0.74	0.71	0.90	0.94	0.72	0.94	0.86	0.86	0.79	0.25	0.60	0.44	0.76	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	27	24	0.70	0.64	0.88	0.93	0.54	0.46	1.00	0.81	0.73	0.70	0.88	0.96	0.71	0.97	0.82	0.82	0.78	0.13	0.41	0.37	0.75	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	1	0.54	0.59	0.89	0.92	0.52	0.51	0.99	0.79	0.58	0.53	0.83	0.88	0.54	0.90	0.76	0.75	0.73	0.07	0.26	0.37	0.77	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	2	0.40	0.61	0.89	0.87	0.52	0.53	0.96	0.74	0.45	0.40	0.75	0.75	0.41	0.78	0.77	0.76	0.71	0.08	0.27	0.36	0.86	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	3	0.37	0.74	0.89	0.80	0.54	0.63	0.92	0.74	0.42	0.36	0.76	0.60	0.38	0.64	0.72	0.71	0.71	0.10	0.24	0.31	0.94	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	4	0.28	0.84	0.92	0.75	0.57	0.80	0.83	0.72	0.34	0.28	0.78	0.52	0.29	0.57	0.66	0.64	0.70	0.11	0.19	0.35	0.96	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	5	0.27	0.88	0.90	0.76	0.61	0.95	0.76	0.66	0.33	0.26	0.77	0.44	0.28	0.50	0.61	0.59	0.71	0.16	0.14	0.28	0.94	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	6	0.27	0.91	0.84	0.82	0.64	0.96	0.68	0.67	0.33	0.26	0.73	0.35	0.28	0.42	0.55	0.53	0.73	0.23	0.10	0.26	0.92	0.91	0.89	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.08	0.23	1.00	1.00	1.00
3	28	7	0.26	0.85	0.81	0.82	0.65	0.97	0.58	0.69	0.31	0.25	0.57	0.21	0.27	0.28	0.44	0.42	0.73	0.30	0.08	0.30	0.91	0.85	0.82	0.01	0.23	0.31	0.22	0.31	0.16	0.20	0.27	0.23	0.33	0.50	0.40	0.50	0.44	0.45	0.49	0.14	0.29	0.51	0.65	1.00	1.00	1.00
3	28	8	0.12	0.78	0.70	0.76	0.67	0.91	0.47	0.64	0.18	0.11	0.51	0.11	0.13	0.19	0.33	0.30	0.74	0.26	0.15	0.32	0.93	0.78	0.74	0.22	0.52	0.49	0.51	0.73	0.60	0.61	0.65	0.66	0.65	0.84	0.34	0.79	0.75	0.79	0.78	0.21	0.47	0.78	0.95	1.00	1.00	1.00
3	28	9	0.10	0.81	0.58	0.76	0.73	0.81	0.44	0.56	0.15	0.09	0.43	0.05	0.11	0.12	0.29	0.26	0.76	0.20	0.30	0.43	0.94	0.81	0.77	0.51	0.76	0.61	0.74	0.94	0.82	0.83	0.83	0.91	0.83	1.00	0.86	0.75	0.93	0.95	0.74	0.15	0.59	0.83	1.00	1.00	1.00	1.00
3	28	10	0.20	0.83	0.47	0.77	0.76	0.82	0.50	0.45	0.26	0.19	0.36	0.03	0.21	0.10	0.26	0.24	0.81	0.26	0.47	0.50	0.95	0.83	0.79	0.72	0.90	0.70	0.88	0.99	0.94	0.94	0.91	1.00	1.00	1.00	0.79	0.97	1.00	1.00	0.96	0.26	0.62	0.89	1.00	1.00	1.00	1.00
3	28	11	0.23	0.86	0.36	0.75	0.72	0.79	0.58	0.38	0.29	0.23	0.28	0.02	0.24	0.08	0.25	0.23	0.86	0.43	0.71	0.46	0.94	0.86	0.83	0.87	0.99	0.77	0.97	0.94	0.98	0.99	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.57	0.91	1.00	1.00	1.00	1.00
3	28	12	0.24	0.87	0.30	0.73	0.63	0.70	0.66	0.34	0.29	0.23	0.26	0.00	0.25	0.06	0.24	0.21	0.88	0.40	0.79	0.39	0.93	0.87	0.83	0.91	0.98	0.82	0.97	0.95	1.00	1.00	0.97	1.00	1.00	1.00	0.84	0.96	1.00	1.00	0.95	0.29	0.64	0.92	1.00	1.00	1.00	1.00
3	28	13	0.23	0.83	0.28	0.69	0.54	0.58	0.72	0.41	0.29	0.22	0.33	0.00	0.24	0.07	0.23	0.21	0.91	0.24	0.83	0.49	0.88	0.83	0.79	0.95	1.00	0.85	1.00	0.95	1.00	1.00	0.96	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.97	0.31	0.67	1.00	1.00	1.00	1.00	1.00
3	28	14	0.35	0.77	0.27	0.68	0.45	0.50	0.77	0.50	0.40	0.34	0.44	0.01	0.36	0.07	0.22	0.20	0.92	0.49	0.76	0.57	0.80	0.77	0.72	0.92	1.00	0.80	0.99	1.00	0.98	0.98	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.22	0.61	1.00	1.00	1.00	1.00	1.00
3	28	15	0.50	0.72	0.26	0.68	0.36	0.42	0.80	0.59	0.54	0.49	0.48	0.04	0.50	0.11	0.22	0.20	0.92	0.61	0.63	0.55	0.80	0.72	0.66	0.80	0.93	0.77	0.91	1.00	0.93	0.94	0.90	1.00	1.00	1.00	0.72	0.94	1.00	1.00	0.93	0.31	0.62	0.83	0.98	1.00	1.00	1.00
3	28	16	0.58	0.68	0.26	0.68	0.28	0.40	0.80	0.65	0.61	0.57	0.48	0.06	0.58	0.13	0.22	0.20	0.93	0.71	0.63	0.57	0.76	0.68	0.61	0.63	0.80	0.71	0.79	0.98	0.86	0.85	0.81	0.96	1.00	1.00	0.58	0.77	0.88	0.94	0.76	0.31	0.69	0.71	0.79	1.00	1.00	1.00
3	28	17	0.65	0.69	0.23	0.67	0.22	0.38	0.75	0.67	0.68	0.64	0.51	0.09	0.65	0.16	0.22	0.19	0.94	0.74	0.66	0.58	0.64	0.69	0.63	0.39	0.60	0.55	0.59	0.84	0.69	0.67	0.67	0.76	0.82	0.73	0.62	0.61	0.61	0.72	0.61	0.38	0.62	0.48	0.47	1.00	1.00	1.00
3	28	18	0.66	0.77	0.21	0.72	0.31	0.41	0.73	0.69	0.69	0.65	0.51	0.12	0.66	0.19	0.21	0.18	0.97	0.72	0.67	0.55	0.60	0.77	0.72	0.07	0.22	0.12	0.21	0.47	0.36	0.33	0.18	0.29	0.09	0.42	0.24	0.25	0.25	0.34	0.25	0.10	0.26	0.14	0.01	1.00	1.00	1.00
3	28	19	0.58	0.78	0.27	0.79	0.53	0.53	0.75	0.65	0.61	0.57	0.47	0.21	0.58	0.29	0.23	0.21	0.98	0.59	0.71	0.53	0.64	0.78	0.73	0.00	0.00	0.00	0.00	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
3	28	20	0.43	0.78	0.30	0.80	0.65	0.54	0.72	0.56	0.48	0.43	0.50	0.19	0.44	0.26	0.24	0.22	0.98	0.35	0.70	0.63	0.57	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	21	0.31	0.82	0.22	0.79	0.72	0.59	0.68	0.44	0.36	0.30	0.53	0.18	0.32	0.25	0.23	0.21	0.98	0.26	0.69	0.65	0.43	0.82	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	22	0.33	0.79	0.14	0.73	0.74	0.71	0.69	0.35	0.38	0.33	0.49	0.15	0.34	0.22	0.19	0.17	0.99	0.27	0.73	0.65	0.40	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	23	0.38	0.68	0.07	0.74	0.73	0.72	0.72	0.24	0.43	0.37	0.46	0.18	0.38	0.26	0.15	0.13	0.99	0.37	0.74	0.62	0.49	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	28	24	0.36	0.60	0.03	0.73	0.65	0.53	0.75	0.14	0.40	0.35	0.44	0.20	0.36	0.26	0.11	0.09	0.99	0.45	0.69	0.63	0.68	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	1	0.41	0.41	0.00	0.73	0.63	0.42	0.63	0.04	0.46	0.41	0.37	0.31	0.42	0.38	0.09	0.07	0.99	0.53	0.63	0.64	0.66	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	2	0.48	0.35	0.00	0.71	0.74	0.22	0.43	0.00	0.53	0.47	0.44	0.25	0.49	0.31	0.07	0.06	0.99	0.52	0.63	0.60	0.57	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	3	0.45	0.32	0.00	0.70	0.70	0.15	0.25	0.00	0.50	0.45	0.50	0.29	0.46	0.36	0.07	0.05	0.98	0.42	0.66	0.58	0.44	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	4	0.41	0.27	0.00	0.66	0.59	0.18	0.10	0.00	0.45	0.40	0.60	0.39	0.41	0.45	0.06	0.05	0.97	0.38	0.69	0.69	0.32	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	5	0.44	0.33	0.00	0.64	0.47	0.27	0.02	0.00	0.48	0.43	0.62	0.47	0.45	0.52	0.07	0.05	0.97	0.45	0.66	0.72	0.21	0.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	6	0.47	0.29	0.00	0.66	0.41	0.15	0.00	0.00	0.51	0.46	0.54	0.50	0.47	0.55	0.08	0.06	0.95	0.54	0.65	0.71	0.10	0.29	0.18	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.03	0.02	0.01	0.03	0.05	0.05	0.11	0.27	1.00	1.00	1.00
3	29	7	0.48	0.17	0.00	0.65	0.43	0.21	0.00	0.01	0.52	0.47	0.46	0.40	0.49	0.46	0.08	0.06	0.87	0.61	0.63	0.64	0.02	0.17	0.08	0.01	0.25	0.47	0.24	0.30	0.17	0.20	0.31	0.28	0.40	0.49	0.54	0.49	0.48	0.43	0.49	0.25	0.49	0.58	0.79	1.00	1.00	1.00
3	29	8	0.51	0.20	0.01	0.58	0.22	0.12	0.00	0.04	0.54	0.50	0.34	0.30	0.51	0.37	0.06	0.04	0.69	0.66	0.68	0.59	0.00	0.20	0.09	0.25	0.57	0.73	0.56	0.67	0.59	0.61	0.68	0.67	0.79	0.82	0.84	0.82	0.81	0.76	0.81	0.37	0.73	0.84	1.00	1.00	1.00	1.00
3	29	9	0.59	0.22	0.03	0.46	0.03	0.04	0.00	0.08	0.62	0.58	0.41	0.34	0.59	0.41	0.05	0.03	0.57	0.77	0.75	0.68	0.00	0.22	0.11	0.53	0.80	0.87	0.78	0.87	0.82	0.82	0.86	0.89	1.00	1.00	1.00	0.98	0.98	0.94	0.97	0.42	0.88	0.98	1.00	1.00	1.00	1.00
3	29	10	0.56	0.24	0.05	0.44	0.00	0.03	0.00	0.13	0.59	0.55	0.60	0.38	0.56	0.44	0.05	0.04	0.52	0.81	0.82	0.67	0.00	0.24	0.13	0.75	0.93	0.85	0.92	0.99	0.93	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.29	0.88	1.00	0.99	1.00	1.00	1.00
3	29	11	0.57	0.27	0.06	0.44	0.00	0.02	0.00	0.12	0.61	0.57	0.59	0.31	0.58	0.38	0.06	0.04	0.50	0.83	0.86	0.63	0.00	0.27	0.16	0.86	0.98	0.89	0.97	1.00	0.98	0.98	0.99	1.00	1.00	1.00	0.87	1.00	1.00	1.00	1.00	0.31	0.95	1.00	1.00	1.00	1.00	1.00
3	29	12	0.53	0.28	0.07	0.38	0.00	0.02	0.00	0.04	0.57	0.53	0.57	0.23	0.54	0.30	0.06	0.04	0.46	0.85	0.88	0.71	0.00	0.28	0.17	0.93	1.00	0.92	1.00	1.00	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.38	0.97	1.00	0.97	1.00	1.00	1.00
3	29	13	0.43	0.28	0.09	0.33	0.00	0.02	0.02	0.00	0.48	0.42	0.37	0.12	0.44	0.19	0.06	0.04	0.43	0.75	0.88	0.80	0.02	0.28	0.17	0.95	1.00	0.92	1.00	1.00	0.98	0.97	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.42	0.94	0.95	1.00	1.00	1.00	1.00
3	29	14	0.36	0.28	0.11	0.30	0.00	0.02	0.04	0.00	0.41	0.35	0.29	0.07	0.37	0.14	0.06	0.04	0.43	0.66	0.85	0.86	0.01	0.28	0.17	0.88	0.98	0.90	0.96	0.98	0.94	0.94	0.99	1.00	1.00	1.00	0.84	1.00	1.00	1.00	1.00	0.42	0.96	0.85	1.00	1.00	1.00	1.00
3	29	15	0.38	0.27	0.12	0.27	0.00	0.03	0.06	0.00	0.43	0.37	0.23	0.03	0.39	0.10	0.05	0.03	0.48	0.61	0.83	0.94	0.00	0.27	0.16	0.77	0.90	0.86	0.88	0.98	0.90	0.89	0.94	1.00	1.00	1.00	0.74	0.81	0.97	1.00	0.81	0.54	0.92	0.66	1.00	1.00	1.00	1.00
3	29	16	0.43	0.27	0.13	0.26	0.00	0.05	0.09	0.01	0.47	0.42	0.22	0.07	0.43	0.14	0.05	0.03	0.55	0.76	0.80	0.97	0.02	0.27	0.16	0.63	0.81	0.80	0.79	0.91	0.83	0.82	0.87	0.92	1.00	0.97	0.82	0.85	0.84	0.89	0.85	0.62	0.90	0.56	0.90	1.00	1.00	1.00
3	29	17	0.49	0.25	0.16	0.23	0.00	0.06	0.11	0.10	0.53	0.48	0.21	0.14	0.49	0.22	0.04	0.03	0.64	0.77	0.74	0.98	0.04	0.25	0.14	0.38	0.59	0.60	0.58	0.73	0.61	0.63	0.70	0.70	0.77	0.74	0.72	0.70	0.66	0.65	0.69	0.57	0.73	0.39	0.53	1.00	1.00	1.00
3	29	18	0.48	0.19	0.22	0.30	0.03	0.09	0.18	0.27	0.53	0.48	0.13	0.12	0.49	0.20	0.04	0.03	0.73	0.68	0.67	0.96	0.05	0.19	0.08	0.07	0.21	0.15	0.21	0.39	0.26	0.26	0.21	0.28	0.18	0.38	0.30	0.34	0.28	0.31	0.34	0.24	0.34	0.11	0.02	1.00	1.00	1.00
3	29	19	0.37	0.14	0.27	0.35	0.18	0.09	0.30	0.35	0.42	0.36	0.23	0.04	0.38	0.10	0.04	0.03	0.80	0.53	0.60	0.89	0.00	0.14	0.04	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
3	29	20	0.30	0.13	0.28	0.36	0.39	0.12	0.35	0.23	0.36	0.30	0.28	0.01	0.31	0.06	0.03	0.02	0.82	0.40	0.52	0.84	0.00	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	21	0.19	0.12	0.25	0.33	0.44	0.15	0.37	0.06	0.25	0.18	0.17	0.07	0.20	0.14	0.02	0.01	0.78	0.25	0.46	0.82	0.01	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	22	0.13	0.08	0.21	0.29	0.39	0.14	0.38	0.03	0.18	0.12	0.30	0.18	0.14	0.25	0.02	0.01	0.77	0.14	0.43	0.80	0.05	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	23	0.16	0.05	0.16	0.28	0.40	0.11	0.37	0.08	0.22	0.15	0.48	0.34	0.17	0.40	0.02	0.01	0.64	0.11	0.41	0.70	0.12	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	29	24	0.11	0.09	0.12	0.24	0.44	0.12	0.34	0.13	0.17	0.10	0.56	0.56	0.12	0.61	0.02	0.01	0.46	0.07	0.45	0.56	0.21	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	1	0.06	0.08	0.08	0.17	0.39	0.03	0.27	0.08	0.12	0.05	0.52	0.58	0.07	0.62	0.03	0.01	0.31	0.04	0.46	0.54	0.29	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	2	0.04	0.11	0.06	0.15	0.24	0.00	0.19	0.04	0.10	0.03	0.54	0.54	0.05	0.59	0.03	0.02	0.17	0.02	0.43	0.49	0.33	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	3	0.03	0.26	0.02	0.14	0.06	0.00	0.09	0.01	0.09	0.02	0.56	0.51	0.04	0.56	0.04	0.02	0.06	0.00	0.38	0.42	0.29	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	4	0.04	0.32	0.00	0.10	0.00	0.00	0.01	0.00	0.10	0.03	0.54	0.44	0.05	0.50	0.04	0.03	0.04	0.01	0.32	0.36	0.24	0.32	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	5	0.03	0.28	0.00	0.08	0.00	0.01	0.00	0.00	0.08	0.02	0.48	0.32	0.04	0.38	0.06	0.05	0.03	0.01	0.27	0.35	0.19	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	6	0.00	0.26	0.00	0.08	0.00	0.00	0.00	0.00	0.05	0.00	0.41	0.32	0.01	0.39	0.09	0.07	0.04	0.02	0.23	0.34	0.17	0.26	0.15	0.00	0.01	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.03	0.02	0.02	0.03	0.10	0.06	0.10	0.05	1.00	1.00	1.00
3	30	7	0.00	0.23	0.00	0.10	0.00	0.00	0.00	0.00	0.03	0.00	0.36	0.32	0.00	0.39	0.09	0.07	0.05	0.02	0.16	0.29	0.08	0.23	0.13	0.01	0.25	0.38	0.24	0.26	0.19	0.21	0.32	0.28	0.40	0.50	0.55	0.51	0.44	0.44	0.50	0.46	0.54	0.55	0.14	1.00	1.00	1.00
3	30	8	0.00	0.25	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.26	0.24	0.00	0.31	0.09	0.07	0.03	0.00	0.10	0.21	0.05	0.25	0.15	0.24	0.54	0.61	0.53	0.54	0.56	0.56	0.64	0.63	0.75	0.81	0.83	0.81	0.73	0.75	0.81	0.70	0.80	0.80	0.19	1.00	1.00	1.00
3	30	9	0.00	0.33	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.19	0.00	0.26	0.07	0.05	0.03	0.00	0.08	0.18	0.04	0.33	0.22	0.52	0.77	0.79	0.76	0.80	0.71	0.79	0.85	0.88	0.97	1.00	0.99	0.97	0.90	0.92	0.96	0.92	0.94	0.97	0.22	1.00	1.00	1.00
3	30	10	0.00	0.35	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.18	0.00	0.26	0.07	0.05	0.03	0.00	0.07	0.19	0.03	0.35	0.24	0.73	0.92	0.84	0.90	0.97	0.85	0.91	0.95	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.86	0.99	1.00	0.28	1.00	1.00	1.00
3	30	11	0.00	0.24	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.17	0.00	0.25	0.11	0.09	0.04	0.00	0.07	0.19	0.01	0.24	0.14	0.86	0.98	0.89	0.96	0.98	0.93	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.96	1.00	0.28	1.00	1.00	1.00
3	30	12	0.00	0.18	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.16	0.00	0.23	0.17	0.15	0.04	0.00	0.05	0.18	0.00	0.18	0.08	0.91	1.00	0.92	0.98	1.00	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.24	1.00	1.00	1.00
3	30	13	0.00	0.15	0.11	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.14	0.00	0.22	0.23	0.21	0.05	0.00	0.07	0.19	0.00	0.15	0.05	0.92	1.00	0.92	0.98	0.96	0.95	0.95	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.30	1.00	1.00	1.00
3	30	14	0.00	0.11	0.27	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.13	0.00	0.20	0.30	0.28	0.08	0.00	0.10	0.21	0.00	0.11	0.02	0.89	0.98	0.87	0.96	0.98	0.91	0.88	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.93	1.00	0.18	1.00	1.00	1.00
3	30	15	0.00	0.10	0.38	0.12	0.00	0.00	0.00	0.03	0.00	0.00	0.07	0.12	0.00	0.19	0.36	0.34	0.10	0.00	0.13	0.22	0.00	0.10	0.02	0.79	0.92	0.89	0.91	0.91	0.84	0.88	0.94	1.00	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.95	0.95	1.00	0.43	1.00	1.00	1.00
3	30	16	0.01	0.06	0.46	0.16	0.00	0.01	0.00	0.18	0.04	0.01	0.04	0.09	0.01	0.16	0.42	0.40	0.13	0.00	0.15	0.22	0.00	0.06	0.00	0.62	0.79	0.80	0.78	0.77	0.79	0.79	0.87	0.93	0.98	0.97	0.84	0.92	0.84	0.87	0.91	0.91	0.84	0.90	0.39	1.00	1.00	1.00
3	30	17	0.14	0.21	0.53	0.18	0.00	0.03	0.00	0.40	0.20	0.13	0.14	0.08	0.15	0.16	0.47	0.45	0.16	0.00	0.14	0.19	0.00	0.21	0.10	0.36	0.56	0.59	0.55	0.70	0.63	0.56	0.70	0.76	0.77	0.77	0.45	0.69	0.62	0.65	0.68	0.76	0.65	0.64	0.30	1.00	1.00	1.00
3	30	18	0.20	0.30	0.54	0.20	0.01	0.06	0.00	0.58	0.26	0.19	0.33	0.05	0.21	0.13	0.49	0.47	0.19	0.01	0.17	0.16	0.03	0.30	0.17	0.06	0.20	0.20	0.19	0.38	0.25	0.23	0.28	0.31	0.00	0.36	0.17	0.33	0.29	0.32	0.33	0.33	0.30	0.21	0.01	1.00	1.00	1.00
3	30	19	0.23	0.11	0.58	0.27	0.06	0.10	0.04	0.68	0.29	0.22	0.32	0.02	0.24	0.08	0.58	0.57	0.22	0.01	0.25	0.14	0.03	0.11	0.03	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
3	30	20	0.23	0.17	0.58	0.30	0.21	0.12	0.08	0.65	0.29	0.22	0.26	0.00	0.24	0.03	0.64	0.62	0.25	0.00	0.36	0.10	0.02	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	21	0.24	0.19	0.60	0.29	0.33	0.18	0.13	0.64	0.30	0.23	0.15	0.00	0.25	0.03	0.63	0.62	0.32	0.00	0.50	0.07	0.06	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	22	0.24	0.22	0.69	0.25	0.39	0.45	0.17	0.67	0.30	0.23	0.07	0.00	0.25	0.04	0.60	0.58	0.37	0.01	0.66	0.06	0.24	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	23	0.18	0.42	0.79	0.20	0.41	0.45	0.23	0.69	0.24	0.18	0.04	0.00	0.19	0.02	0.55	0.54	0.38	0.04	0.79	0.03	0.36	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	30	24	0.16	0.56	0.84	0.18	0.43	0.44	0.26	0.66	0.21	0.15	0.01	0.00	0.17	0.02	0.52	0.51	0.38	0.05	0.88	0.01	0.33	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	1	0.19	0.66	0.80	0.16	0.43	0.33	0.26	0.55	0.25	0.18	0.00	0.00	0.20	0.01	0.54	0.52	0.42	0.08	0.94	0.00	0.30	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	2	0.14	0.76	0.76	0.15	0.37	0.26	0.22	0.43	0.20	0.13	0.00	0.00	0.15	0.00	0.50	0.48	0.38	0.13	0.94	0.00	0.28	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	3	0.09	0.81	0.74	0.16	0.28	0.23	0.19	0.36	0.15	0.08	0.00	0.00	0.10	0.00	0.44	0.43	0.35	0.20	0.95	0.00	0.29	0.82	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	4	0.06	0.76	0.74	0.18	0.20	0.21	0.20	0.33	0.12	0.05	0.00	0.00	0.07	0.00	0.41	0.39	0.31	0.30	0.95	0.00	0.32	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	5	0.05	0.66	0.74	0.19	0.08	0.15	0.16	0.32	0.10	0.04	0.00	0.00	0.06	0.00	0.44	0.42	0.29	0.34	0.95	0.00	0.28	0.66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	6	0.04	0.70	0.73	0.18	0.01	0.14	0.11	0.29	0.10	0.03	0.00	0.00	0.05	0.00	0.45	0.43	0.26	0.34	0.94	0.00	0.26	0.70	0.63	0.00	0.01	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.04	0.03	0.02	0.04	0.12	0.07	0.12	0.31	1.00	1.00	1.00
3	31	7	0.04	0.61	0.64	0.16	0.00	0.13	0.05	0.18	0.09	0.03	0.00	0.00	0.04	0.01	0.47	0.45	0.22	0.34	0.95	0.00	0.18	0.61	0.53	0.01	0.24	0.51	0.24	0.30	0.16	0.21	0.32	0.25	0.42	0.49	0.53	0.48	0.45	0.43	0.47	0.49	0.47	0.58	0.77	1.00	1.00	1.00
3	31	8	0.02	0.57	0.47	0.12	0.00	0.09	0.02	0.05	0.07	0.01	0.00	0.00	0.03	0.01	0.47	0.45	0.17	0.28	0.94	0.00	0.05	0.57	0.49	0.25	0.56	0.80	0.55	0.65	0.58	0.60	0.67	0.62	0.79	0.81	0.81	0.80	0.77	0.77	0.79	0.72	0.75	0.84	1.00	1.00	1.00	1.00
3	31	9	0.01	0.58	0.39	0.13	0.00	0.02	0.01	0.00	0.06	0.00	0.00	0.00	0.02	0.01	0.53	0.51	0.14	0.26	0.96	0.00	0.01	0.58	0.50	0.52	0.77	0.97	0.76	0.79	0.81	0.81	0.85	0.87	0.98	0.97	0.96	0.96	0.94	0.93	0.95	0.89	0.89	0.98	1.00	1.00	1.00	1.00
3	31	10	0.00	0.60	0.39	0.17	0.00	0.04	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.59	0.58	0.17	0.23	0.96	0.00	0.00	0.60	0.52	0.72	0.90	1.00	0.89	0.83	0.92	0.91	0.95	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.95	1.00	1.00	1.00	1.00	1.00
3	31	11	0.00	0.62	0.43	0.19	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.67	0.65	0.26	0.19	0.93	0.00	0.00	0.62	0.54	0.84	0.97	1.00	0.95	0.89	0.95	0.95	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.98	1.00	1.00	1.00	1.00	1.00
3	31	12	0.00	0.63	0.45	0.24	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.70	0.69	0.36	0.14	0.89	0.00	0.00	0.63	0.55	0.89	0.98	1.00	0.97	0.81	0.97	0.96	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.96	1.00	1.00	1.00	1.00	1.00
3	31	13	0.00	0.59	0.46	0.30	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.69	0.68	0.44	0.07	0.88	0.00	0.00	0.59	0.51	0.90	0.99	1.00	0.97	0.80	0.96	0.96	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.95	1.00	1.00	1.00	1.00	1.00
3	31	14	0.01	0.56	0.54	0.35	0.00	0.05	0.02	0.11	0.04	0.01	0.00	0.00	0.01	0.01	0.70	0.69	0.45	0.03	0.87	0.00	0.01	0.56	0.48	0.86	0.95	0.93	0.94	0.71	0.91	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.92	1.00	1.00	1.00	1.00	1.00
3	31	15	0.12	0.57	0.60	0.39	0.00	0.10	0.06	0.33	0.18	0.11	0.00	0.00	0.13	0.02	0.75	0.74	0.55	0.02	0.85	0.00	0.04	0.57	0.49	0.77	0.90	0.89	0.88	0.72	0.89	0.89	0.94	1.00	1.00	1.00	0.98	1.00	0.98	0.98	0.99	0.95	0.90	0.98	1.00	1.00	1.00	1.00
3	31	16	0.24	0.61	0.65	0.43	0.04	0.15	0.13	0.57	0.30	0.23	0.03	0.00	0.25	0.05	0.72	0.71	0.58	0.01	0.77	0.00	0.06	0.61	0.53	0.59	0.76	0.77	0.74	0.74	0.76	0.78	0.86	0.88	0.95	0.88	0.71	0.88	0.84	0.88	0.87	0.86	0.80	0.85	0.90	1.00	1.00	1.00
3	31	17	0.30	0.60	0.68	0.48	0.24	0.18	0.21	0.69	0.35	0.29	0.03	0.00	0.31	0.06	0.68	0.67	0.50	0.01	0.70	0.00	0.14	0.60	0.52	0.36	0.56	0.54	0.55	0.59	0.65	0.63	0.69	0.73	0.77	0.69	0.54	0.69	0.65	0.64	0.68	0.62	0.69	0.59	0.50	1.00	1.00	1.00
3	31	18	0.33	0.61	0.68	0.50	0.53	0.18	0.35	0.76	0.38	0.32	0.07	0.00	0.34	0.07	0.59	0.58	0.34	0.01	0.57	0.02	0.21	0.61	0.53	0.06	0.20	0.14	0.19	0.35	0.32	0.27	0.23	0.27	0.00	0.26	0.24	0.34	0.31	0.32	0.34	0.28	0.26	0.19	0.02	1.00	1.00	1.00
3	31	19	0.27	0.59	0.67	0.54	0.73	0.30	0.46	0.76	0.32	0.26	0.11	0.00	0.28	0.05	0.55	0.54	0.22	0.02	0.45	0.04	0.23	0.59	0.51	0.00	0.00	0.01	0.00	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
3	31	20	0.31	0.62	0.66	0.52	0.76	0.46	0.53	0.75	0.36	0.30	0.13	0.04	0.32	0.10	0.52	0.50	0.11	0.02	0.43	0.05	0.16	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	21	0.39	0.75	0.63	0.51	0.77	0.53	0.57	0.71	0.44	0.38	0.08	0.13	0.40	0.20	0.54	0.52	0.08	0.08	0.48	0.06	0.12	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	22	0.37	0.84	0.62	0.49	0.79	0.35	0.57	0.66	0.42	0.36	0.07	0.25	0.38	0.32	0.55	0.54	0.18	0.42	0.56	0.04	0.15	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	23	0.34	0.88	0.63	0.45	0.82	0.38	0.56	0.65	0.39	0.33	0.07	0.31	0.35	0.38	0.53	0.52	0.37	0.62	0.67	0.02	0.18	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
3	31	24	0.29	0.89	0.68	0.39	0.83	0.28	0.52	0.67	0.34	0.28	0.06	0.32	0.30	0.39	0.49	0.47	0.25	0.58	0.73	0.02	0.27	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind (columns CAISO_Wind through SW_Ext_Tx) | **Solar** (columns BTM_Distrib through New_Mexico_S) | Geothermal | Biomass | Small Hydro

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
4	1	1	0.29	0.88	0.73	0.32	0.82	0.18	0.50	0.70	0.35	0.28	0.04	0.32
4	1	2	0.22	0.87	0.70	0.29	0.82	0.18	0.48	0.75	0.28	0.21	0.03	0.30
4	1	3	0.20	0.86	0.65	0.27	0.80	0.16	0.43	0.75	0.26	0.19	0.01	0.27
4	1	4	0.20	0.79	0.64	0.25	0.74	0.11	0.40	0.71	0.26	0.19	0.00	0.25
4	1	5	0.17	0.73	0.65	0.24	0.68	0.21	0.39	0.66	0.23	0.16	0.00	0.23
4	1	6	0.17	0.63	0.63	0.23	0.65	0.36	0.40	0.61	0.23	0.16	0.00	0.19
4	1	7	0.18	0.51	0.56	0.20	0.58	0.37	0.41	0.53	0.24	0.17	0.00	0.11
4	1	8	0.14	0.39	0.51	0.13	0.39	0.16	0.34	0.41	0.20	0.13	0.00	0.01
4	1	9	0.07	0.37	0.51	0.14	0.24	0.06	0.28	0.31	0.13	0.06	0.00	0.00
4	1	10	0.02	0.37	0.51	0.21	0.15	0.05	0.29	0.23	0.07	0.01	0.00	0.00
4	1	11	0.00	0.36	0.54	0.30	0.12	0.06	0.30	0.16	0.04	0.00	0.00	0.00
4	1	12	0.00	0.33	0.53	0.37	0.17	0.08	0.33	0.14	0.05	0.00	0.00	0.00
4	1	13	0.07	0.33	0.49	0.41	0.28	0.13	0.38	0.21	0.13	0.06	0.00	0.00
4	1	14	0.26	0.32	0.50	0.43	0.42	0.18	0.43	0.37	0.31	0.25	0.02	0.00
4	1	15	0.50	0.35	0.56	0.46	0.57	0.16	0.53	0.56	0.55	0.50	0.08	0.01
4	1	16	0.64	0.43	0.59	0.50	0.68	0.20	0.62	0.70	0.67	0.64	0.18	0.03
4	1	17	0.71	0.47	0.62	0.54	0.73	0.44	0.67	0.77	0.73	0.70	0.35	0.06
4	1	18	0.70	0.55	0.63	0.57	0.78	0.67	0.69	0.83	0.73	0.70	0.46	0.22
4	1	19	0.79	0.55	0.64	0.57	0.86	0.95	0.73	0.80	0.81	0.79	0.48	0.36
4	1	20	0.77	0.51	0.64	0.59	0.88	0.94	0.75	0.75	0.80	0.77	0.47	0.36
4	1	21	0.63	0.57	0.59	0.60	0.87	0.83	0.77	0.72	0.66	0.62	0.47	0.38
4	1	22	0.51	0.66	0.54	0.57	0.85	0.67	0.75	0.71	0.55	0.51	0.58	0.52
4	1	23	0.46	0.72	0.51	0.50	0.86	0.88	0.74	0.71	0.50	0.45	0.67	0.59
4	1	24	0.43	0.78	0.49	0.41	0.85	0.67	0.72	0.72	0.48	0.42	0.67	0.56
4	2	1	0.51	0.75	0.44	0.31	0.83	0.38	0.68	0.72	0.55	0.51	0.67	0.61
4	2	2	0.56	0.70	0.44	0.27	0.78	0.29	0.65	0.71	0.60	0.56	0.64	0.61
4	2	3	0.51	0.67	0.51	0.25	0.71	0.24	0.60	0.67	0.55	0.51	0.61	0.59
4	2	4	0.43	0.63	0.52	0.22	0.63	0.16	0.54	0.62	0.48	0.42	0.59	0.56
4	2	5	0.38	0.63	0.56	0.19	0.44	0.14	0.49	0.57	0.43	0.37	0.53	0.49
4	2	6	0.41	0.63	0.62	0.18	0.17	0.13	0.43	0.53	0.46	0.40	0.45	0.41
4	2	7	0.46	0.53	0.59	0.19	0.02	0.19	0.35	0.49	0.51	0.46	0.37	0.35
4	2	8	0.45	0.41	0.56	0.10	0.00	0.12	0.24	0.43	0.49	0.44	0.28	0.29
4	2	9	0.45	0.47	0.63	0.06	0.00	0.09	0.18	0.42	0.49	0.44	0.22	0.22
4	2	10	0.42	0.49	0.64	0.06	0.00	0.14	0.17	0.47	0.46	0.41	0.21	0.17
4	2	11	0.40	0.53	0.64	0.05	0.00	0.15	0.18	0.52	0.45	0.39	0.26	0.13
4	2	12	0.40	0.59	0.58	0.05	0.00	0.19	0.18	0.59	0.45	0.39	0.38	0.11
4	2	13	0.41	0.60	0.50	0.05	0.00	0.23	0.18	0.68	0.45	0.40	0.48	0.13
4	2	14	0.49	0.64	0.49	0.06	0.00	0.28	0.19	0.77	0.54	0.49	0.51	0.20
4	2	15	0.52	0.73	0.49	0.06	0.00	0.28	0.21	0.84	0.56	0.51	0.56	0.31
4	2	16	0.55	0.80	0.43	0.04	0.00	0.25	0.23	0.87	0.59	0.55	0.57	0.41
4	2	17	0.53	0.78	0.39	0.04	0.00	0.26	0.27	0.86	0.57	0.52	0.57	0.43
4	2	18	0.56	0.88	0.40	0.04	0.02	0.30	0.36	0.84	0.59	0.55	0.57	0.46
4	2	19	0.63	0.93	0.46	0.08	0.12	0.42	0.44	0.80	0.66	0.62	0.58	0.55
4	2	20	0.63	0.96	0.39	0.05	0.17	0.50	0.45	0.75	0.66	0.62	0.68	0.60
4	2	21	0.67	0.94	0.29	0.03	0.11	0.36	0.42	0.71	0.70	0.66	0.71	0.52
4	2	22	0.61	0.93	0.17	0.02	0.06	0.54	0.39	0.72	0.65	0.61	0.67	0.48
4	2	23	0.56	0.95	0.05	0.02	0.03	0.42	0.32	0.74	0.59	0.55	0.60	0.46
4	2	24	0.58	0.94	0.01	0.02	0.01	0.23	0.24	0.74	0.61	0.57	0.50	0.42
4	3	1	0.55	0.94	0.00	0.03	0.00	0.25	0.17	0.71	0.59	0.54	0.43	0.37
4	3	2	0.52	0.93	0.01	0.03	0.00	0.18	0.09	0.67	0.56	0.51	0.41	0.33
4	3	3	0.44	0.90	0.02	0.04	0.00	0.10	0.03	0.58	0.49	0.44	0.38	0.31
4	3	4	0.37	0.85	0.03	0.04	0.00	0.08	0.01	0.45	0.42	0.36	0.29	0.30
4	3	5	0.24	0.77	0.05	0.05	0.00	0.09	0.00	0.37	0.30	0.23	0.19	0.27
4	3	6	0.13	0.62	0.06	0.05	0.00	0.08	0.00	0.32	0.19	0.12	0.11	0.25
4	3	7	0.06	0.35	0.05	0.04	0.00	0.06	0.00	0.23	0.12	0.05	0.05	0.20
4	3	8	0.01	0.20	0.01	0.03	0.00	0.06	0.00	0.09	0.07	0.00	0.00	0.09
4	3	9	0.00	0.15	0.00	0.02	0.00	0.04	0.00	0.01	0.04	0.00	0.00	0.00
4	3	10	0.00	0.10	0.01	0.02	0.00	0.07	0.00	0.00	0.03	0.00	0.00	0.00
4	3	11	0.00	0.07	0.03	0.02	0.00	0.07	0.00	0.00	0.02	0.00	0.00	0.00
4	3	12	0.00	0.07	0.03	0.02	0.00	0.08	0.00	0.00	0.01	0.00	0.00	0.00
4	3	13	0.00	0.09	0.02	0.03	0.00	0.09	0.00	0.00	0.01	0.00	0.00	0.00
4	3	14	0.00	0.12	0.01	0.04	0.00	0.10	0.00	0.01	0.00	0.00	0.00	0.00
4	3	15	0.00	0.16	0.00	0.05	0.00	0.11	0.00	0.07	0.01	0.00	0.02	0.00
4	3	16	0.03	0.22	0.00	0.07	0.00	0.14	0.00	0.26	0.09	0.02	0.07	0.00
4	3	17	0.17	0.29	0.00	0.10	0.00	0.13	0.00	0.49	0.23	0.16	0.21	0.00
4	3	18	0.26	0.34	0.00	0.16	0.04	0.14	0.04	0.67	0.31	0.25	0.31	0.02
4	3	19	0.31	0.30	0.04	0.26	0.24	0.15	0.14	0.75	0.36	0.30	0.29	0.19
4	3	20	0.34	0.22	0.06	0.31	0.46	0.15	0.19	0.73	0.39	0.33	0.20	0.33
4	3	21	0.28	0.20	0.11	0.31	0.50	0.14	0.22	0.71	0.33	0.27	0.11	0.35
4	3	22	0.26	0.28	0.19	0.28	0.52	0.22	0.24	0.66	0.32	0.26	0.08	0.35
4	3	23	0.24	0.34	0.15	0.28	0.58	0.26	0.21	0.60	0.30	0.23	0.05	0.33
4	3	24	0.21	0.43	0.08	0.27	0.51	0.28	0.16	0.58	0.27	0.20	0.05	0.31
4	4	1	0.15	0.49	0.04	0.28	0.51	0.24	0.10	0.58	0.21	0.14	0.03	0.31
4	4	2	0.12	0.50	0.03	0.26	0.46	0.52	0.06	0.59	0.18	0.11	0.01	0.27
4	4	3	0.10	0.46	0.03	0.20	0.40	0.36	0.04	0.57	0.16	0.09	0.00	0.15
4	4	4	0.09	0.50	0.00	0.16	0.34	0.30	0.03	0.49	0.15	0.08	0.00	0.02
4	4	5	0.07	0.50	0.00	0.13	0.33	0.40	0.01	0.39	0.13	0.06	0.00	0.00
4	4	6	0.04	0.43	0.00	0.13	0.34	0.36	0.00	0.29	0.10	0.03	0.00	0.00
4	4	7	0.01	0.33	0.00	0.12	0.31	0.31	0.00	0.16	0.07	0.01	0.00	0.00
4	4	8	0.00	0.24	0.00	0.09	0.14	0.20	0.00	0.04	0.05	0.00	0.00	0.00
4	4	9	0.00	0.22	0.00	0.07	0.02	0.13	0.00	0.00	0.05	0.00	0.00	0.00
4	4	10	0.00	0.21	0.00	0.07	0.00	0.08	0.00	0.00	0.05	0.00	0.00	0.00
4	4	11	0.00	0.22	0.00	0.07	0.00	0.12	0.00	0.00	0.02	0.00	0.00	0.00
4	4	12	0.00	0.23	0.00	0.08	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00
4	4	13	0.00	0.25	0.00	0.10	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
4	4	14	0.00	0.27	0.00	0.13	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00
4	4	15	0.00	0.33	0.00	0.13	0.00	0.15	0.00	0.01	0.00	0.00	0.00	0.00
4	4	16	0.02	0.40	0.00	0.13	0.00	0.17	0.04	0.09	0.07	0.01	0.00	0.00
4	4	17	0.07	0.49	0.00	0.13	0.00	0.19	0.17	0.16	0.13	0.06	0.00	0.00
4	4	18	0.20	0.50	0.00	0.14	0.05	0.20	0.34	0.27	0.26	0.19	0.02	0.00
4	4	19	0.31	0.52	0.02	0.16	0.23	0.44	0.38	0.35	0.36	0.30	0.17	0.01
4	4	20	0.33	0.48	0.02	0.16	0.35	0.44	0.37	0.28	0.38	0.33	0.17	0.20
4	4	21	0.42	0.45	0.00	0.08	0.42	0.53	0.34	0.25	0.47	0.41	0.14	0.27
4	4	22	0.50	0.43	0.00	0.05	0.42	0.69	0.35	0.25	0.55	0.50	0.11	0.25
4	4	23	0.33	0.46	0.00	0.02	0.41	0.64	0.32	0.23	0.38	0.32	0.06	0.24
4	4	24	0.12	0.37	0.00	0.01	0.43	0.42	0.33	0.20	0.18	0.11	0.02	0.23
4	5	1	0.02	0.25	0.00	0.01	0.26	0.36	0.24	0.17	0.08	0.01	0.00	0.17
4	5	2	0.01	0.15	0.00	0.02	0.05	0.46	0.16	0.13	0.06	0.00	0.00	0.08
4	5	3	0.00	0.13	0.00	0.05	0.00	0.54	0.09	0.09	0.03	0.00	0.00	0.02
4	5	4	0.00	0.14	0.00	0.11	0.00	0.60	0.05	0.05	0.00	0.00	0.00	0.00
4	5	5	0.00	0.16	0.02	0.18	0.00	0.66	0.03	0.03	0.00	0.00	0.00	0.00
4	5	6	0.00	0.17	0.03	0.24	0.00	0.55	0.03	0.00	0.00	0.00	0.00	0.00
4	5	7	0.00	0.20	0.02	0.29	0.00	0.51	0.03	0.00	0.00	0.00	0.00	0.00
4	5	8	0.00	0.23	0.00	0.19	0.00	0.29	0.01	0.00	0.02	0.00	0.00	0.00
4	5	9	0.00	0.31	0.00	0.11	0.00	0.12	0.02	0.00	0.01	0.00	0.00	0.00
4	5	10	0.00	0.37	0.00	0.14	0.00	0.10	0.01	0.01	0.03	0.00	0.00	0.00
4	5	11	0.00	0.40	0.03	0.14	0.00	0.15	0.02	0.05	0.05	0.00	0.00	0.00
4	5	12	0.01	0.52	0.06	0.11	0.00	0.31	0.04	0.04	0.07	0.00	0.00	0.00
4	5	13	0.01	0.63	0.07	0.08	0.00	0.07	0.03	0.01	0.07	0.01	0.00	0.00
4	5	14	0.02	0.63	0.09	0.05	0.00	0.72	0.04	0.01	0.08	0.01	0.00	0.00
4	5	15	0.05	0.58	0.13	0.03	0.00	0.17	0.04	0.03	0.10	0.04	0.01	0.01
4	5	16	0.09	0.53	0.16	0.02	0.00	0.33	0.07	0.10	0.15	0.08	0.17	0.06
4	5	17	0.15	0.45	0.17	0.01	0.03	0.35	0.10	0.24	0.20	0.14	0.33	0.24
4	5	18	0.32	0.36	0.19	0.03	0.22	0.36	0.19	0.39	0.37	0.31	0.38	0.33
4	5	19	0.42	0.24	0.31	0.06	0.47	0.19	0.28	0.48	0.47	0.42	0.39	0.36
4	5	20	0.48	0.21	0.39	0.07	0.63	0.00	0.29	0.41	0.53	0.47	0.28	0.36
4	5	21	0.41	0.33	0.29	0.07	0.72	0.27	0.25	0.26	0.46	0.41	0.18	0.41
4	5	22	0.31	0.42	0.14	0.08	0.83	0.69	0.20	0.16	0.36	0.30	0.19	0.54
4	5	23	0.25	0.39	0.06	0.07	0.87	0.81	0.18	0.15	0.31	0.24	0.18	0.52
4	5	24	0.19	0.50	0.03	0.04	0.83	0.84	0.17	0.14	0.25	0.19	0.13	0.56
4	6	1	0.19	0.42	0.04	0.03	0.78	0.79	0.17	0.14	0.24	0.18	0.10	0.61
4	6	2	0.20	0.33	0.05	0.04	0.79	0.62	0.17	0.12	0.26	0.19	0.14	0.67
4	6	3	0.21	0.29	0.04	0.05	0.80	0.40	0.16	0.15	0.27	0.21	0.18	0.70
4	6	4	0.13	0.25	0.03	0.04	0.82	0.37	0.17	0.17	0.18	0.12	0.18	0.66
4	6	5	0.11	0.17	0.05	0.04	0.83	0.29	0.18	0.19	0.17	0.10	0.18	0.58
4	6	6	0.11	0.13	0.08	0.04	0.82	0.37	0.20	0.22	0.17	0.10	0.15	0.59
4	6	7	0.08	0.10	0.08	0.04	0.76	0.40	0.18	0.23	0.14	0.07	0.15	0.54
4	6	8	0.03	0.13	0.05	0.03	0.64	0.10	0.16	0.10	0.08	0.02	0.15	0.44
4	6	9	0.02	0.13	0.06	0.01	0.56	0.03	0.15	0.02	0.08	0.01	0.15	0.39
4	6	10	0.02	0.16	0.09	0.01	0.52	0.02	0.17	0.00	0.08	0.01	0.16	0.31
4	6	11	0.02	0.23	0.12	0.02	0.52	0.04	0.20	0.00	0.07	0.01	0.19	0.26
4	6	12	0.02	0.25	0.17	0.02	0.56	0.10	0.23	0.00	0.08	0.01	0.26	0.29
4	6	13	0.05	0.32	0.22	0.04	0.65	0.13	0.28	0.05	0.10	0.04	0.33	0.36
4	6	14	0.12	0.38	0.23	0.06	0.78	0.17	0.36	0.35	0.18	0.11	0.41	0.42
4	6	15	0.30	0.41	0.23	0.10	0.88	0.29	0.45	0.71	0.35	0.29	0.46	0.45

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
4	1	1	0.30	0.38	0.48	0.46	0.20	0.55	0.77	0.03	0.32	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	2	0.23	0.37	0.41	0.39	0.21	0.50	0.79	0.01	0.29	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	3	0.21	0.34	0.38	0.36	0.23	0.51	0.78	0.00	0.26	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	4	0.21	0.32	0.33	0.31	0.23	0.48	0.79	0.00	0.21	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	5	0.18	0.31	0.25	0.23	0.18	0.48	0.79	0.00	0.15	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	6	0.18	0.27	0.21	0.18	0.18	0.49	0.83	0.00	0.08	0.63	0.56	0.00	0.01	0.11	0.01	0.00	0.00	0.00	0.01
4	1	7	0.19	0.18	0.19	0.17	0.17	0.42	0.87	0.00	0.03	0.51	0.41	0.01	0.19	0.42	0.19	0.04	0.17	0.25	0.34
4	1	8	0.15	0.06	0.15	0.13	0.12	0.30	0.87	0.00	0.00	0.39	0.29	0.21	0.47	0.68	0.46	0.12	0.49	0.61	0.67
4	1	9	0.08	0.01	0.13	0.11	0.11	0.27	0.93	0.00	0.00	0.37	0.26	0.47	0.69	0.84	0.68	0.20	0.74	0.80	0.86
4	1	10	0.03	0.00	0.17	0.15	0.08	0.22	0.93	0.00	0.00	0.37	0.26	0.66	0.84	0.93	0.82	0.38	0.91	0.91	0.94
4	1	11	0.00	0.01	0.28	0.25	0.07	0.16	0.93	0.00	0.00	0.36	0.25	0.77	0.89	0.95	0.87	0.32	0.94	0.94	0.97
4	1	12	0.01	0.03	0.36	0.34	0.07	0.17	0.94	0.01	0.01	0.33	0.22	0.84	0.93	0.92	0.91	0.47	0.89	0.95	0.97
4	1	13	0.08	0.05	0.42	0.40	0.13	0.22	0.93	0.06	0.03	0.33	0.22	0.83	0.91	0.86	0.89	0.52	0.84	0.92	0.95
4	1	14	0.27	0.05	0.48	0.46	0.18	0.33	0.87	0.13	0.06	0.32	0.22	0.79	0.89	0.72	0.87	0.57	0.81	0.82	0.94
4	1	15	0.51	0.07	0.53	0.51	0.12	0.54	0.80	0.25	0.11	0.35	0.24	0.69	0.80	0.65	0.79	0.44	0.76	0.57	0.87
4	1	16	0.65	0.09	0.56	0.54	0.09	0.77	0.65	0.36	0.20	0.43	0.32	0.53	0.68	0.59	0.67	0.45	0.70	0.40	0.74
4	1	17	0.71	0.13	0.57	0.55	0.04	0.92	0.63	0.44	0.31	0.47	0.38	0.30	0.47	0.36	0.46	0.51	0.51	0.37	0.47
4	1	18	0.71	0.30	0.57	0.55	0.04	0.95	0.49	0.47	0.47	0.55	0.46	0.05	0.17	0.11	0.17	0.32	0.31	0.03	0.24
4	1	19	0.80	0.43	0.58	0.56	0.02	0.97	0.45	0.56	0.74	0.55	0.46	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
4	1	20	0.78	0.42	0.55	0.53	0.03	0.93	0.44	0.61	0.79	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	21	0.63	0.44	0.57	0.55	0.07	0.90	0.38	0.56	0.80	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	22	0.52	0.57	0.54	0.52	0.06	0.87	0.30	0.50	0.79	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	23	0.47	0.64	0.49	0.47	0.03	0.84	0.26	0.47	0.78	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	1	24	0.44	0.60	0.46	0.44	0.05	0.81	0.32	0.46	0.76	0.78	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	1	0.52	0.65	0.44	0.42	0.12	0.81	0.36	0.44	0.75	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	2	0.57	0.66	0.40	0.38	0.22	0.90	0.39	0.44	0.73	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	3	0.52	0.63	0.40	0.38	0.35	0.89	0.39	0.39	0.77	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	4	0.44	0.61	0.37	0.35	0.32	0.86	0.44	0.33	0.83	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	5	0.39	0.55	0.41	0.40	0.32	0.83	0.47	0.30	0.81	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	6	0.42	0.47	0.40	0.38	0.36	0.79	0.59	0.27	0.77	0.63	0.55	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.01
4	2	7	0.47	0.42	0.34	0.32	0.29	0.69	0.65	0.23	0.67	0.53	0.44	0.01	0.16	0.45	0.16	0.34	0.25	0.26	0.31
4	2	8	0.45	0.36	0.27	0.25	0.29	0.58	0.68	0.17	0.56	0.41	0.32	0.19	0.43	0.74	0.42	0.72	0.61	0.61	0.63
4	2	9	0.46	0.30	0.24	0.22	0.29	0.49	0.72	0.17	0.62	0.47	0.37	0.45	0.68	0.89	0.66	0.92	0.82	0.81	0.82
4	2	10	0.42	0.25	0.21	0.19	0.29	0.32	0.72	0.23	0.72	0.49	0.40	0.66	0.83	0.97	0.82	0.97	0.92	0.90	0.91
4	2	11	0.41	0.20	0.18	0.16	0.30	0.26	0.74	0.30	0.78	0.53	0.44	0.80	0.93	0.98	0.91	1.00	0.97	0.95	0.95
4	2	12	0.41	0.18	0.17	0.15	0.30	0.37	0.79	0.36	0.82	0.59	0.51	0.84	0.94	1.00	0.92	1.00	0.97	0.96	0.95
4	2	13	0.42	0.20	0.16	0.13	0.29	0.41	0.79	0.37	0.87	0.60	0.52	0.83	0.92	1.00	0.90	0.99	0.96	0.93	0.93
4	2	14	0.50	0.27	0.15	0.13	0.30	0.42	0.84	0.37	0.92	0.64	0.57	0.79	0.88	0.99	0.86	0.99	0.95	0.93	0.88
4	2	15	0.52	0.38	0.15	0.13	0.30	0.32	0.85	0.38	0.95	0.73	0.67	0.65	0.77	0.89	0.75	0.93	0.91	0.90	0.86
4	2	16	0.56	0.48	0.16	0.14	0.30	0.30	0.88	0.41	0.93	0.80	0.75	0.48	0.62	0.80	0.61	0.91	0.82	0.63	0.76
4	2	17	0.54	0.49	0.16	0.14	0.26	0.21	0.81	0.44	0.88	0.78	0.74	0.27	0.42	0.56	0.41	0.69	0.68	0.42	0.58
4	2	18	0.56	0.51	0.14	0.12	0.20	0.24	0.79	0.42	0.80	0.88	0.85	0.05	0.16	0.19	0.16	0.38	0.35	0.24	0.26
4	2	19	0.63	0.60	0.18	0.16	0.18	0.39	0.74	0.48	0.86	0.93	0.91	0.00	0.00	0.01	0.00	0.03	0.03	0.01	0.01
4	2	20	0.63	0.65	0.11	0.09	0.17	0.40	0.71	0.40	0.90	0.96	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	21	0.67	0.57	0.09	0.07	0.16	0.32	0.74	0.39	0.90	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	22	0.62	0.54	0.07	0.05	0.15	0.28	0.75	0.33	0.92	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	23	0.56	0.52	0.05	0.04	0.11	0.18	0.70	0.24	0.91	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	2	24	0.58	0.48	0.04	0.03	0.10	0.14	0.63	0.19	0.89	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	1	0.56	0.43	0.04	0.02	0.08	0.17	0.54	0.14	0.83	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	2	0.52	0.39	0.03	0.02	0.06	0.19	0.49	0.09	0.67	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	3	0.45	0.38	0.04	0.02	0.05	0.18	0.47	0.08	0.61	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	4	0.38	0.37	0.04	0.03	0.02	0.16	0.45	0.05	0.57	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	5	0.25	0.34	0.05	0.03	0.01	0.11	0.43	0.04	0.49	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	6	0.14	0.32	0.06	0.04	0.00	0.07	0.42	0.06	0.34	0.62	0.54	0.00	0.01	0.10	0.01	0.00	0.00	0.00	0.01
4	3	7	0.07	0.27	0.05	0.04	0.00	0.05	0.45	0.04	0.17	0.35	0.25	0.01	0.25	0.49	0.24	0.24	0.27	0.30	0.37
4	3	8	0.02	0.16	0.03	0.02	0.00	0.03	0.50	0.01	0.06	0.20	0.10	0.24	0.54	0.75	0.53	0.61	0.64	0.64	0.68
4	3	9	0.00	0.04	0.03	0.02	0.00	0.04	0.54	0.00	0.03	0.15	0.05	0.51	0.76	0.92	0.74	0.78	0.82	0.82	0.84
4	3	10	0.00	0.01	0.04	0.02	0.00	0.03	0.56	0.00	0.01	0.10	0.01	0.70	0.89	1.00	0.87	0.87	0.93	0.91	0.94
4	3	11	0.00	0.01	0.05	0.03	0.00	0.03	0.57	0.03	0.01	0.07	0.00	0.82	0.95	1.00	0.94	0.92	0.96	0.94	0.97
4	3	12	0.00	0.02	0.05	0.04	0.00	0.02	0.56	0.06	0.02	0.07	0.00	0.87	0.97	1.00	0.95	0.90	0.97	0.95	0.98
4	3	13	0.00	0.04	0.05	0.04	0.01	0.02	0.54	0.10	0.04	0.09	0.01	0.87	0.96	1.00	0.94	0.91	0.94	0.93	0.96
4	3	14	0.00	0.04	0.07	0.05	0.01	0.01	0.50	0.12	0.07	0.12	0.03	0.84	0.94	0.96	0.92	0.86	0.91	0.92	0.94
4	3	15	0.00	0.05	0.07	0.06	0.01	0.01	0.46	0.14	0.09	0.16	0.06	0.75	0.88	0.86	0.86	0.87	0.81	0.89	0.93
4	3	16	0.04	0.06	0.06	0.05	0.01	0.01	0.39	0.17	0.12	0.22	0.11	0.59	0.76	0.70	0.75	0.74	0.81	0.81	0.86
4	3	17	0.18	0.06	0.07	0.05	0.01	0.02	0.26	0.19	0.18	0.28	0.17	0.35	0.55	0.48	0.54	0.54	0.59	0.68	0.71
4	3	18	0.27	0.08	0.07	0.05	0.03	0.04	0.17	0.18	0.34	0.34	0.23	0.06	0.21	0.17	0.20	0.34	0.23	0.34	0.28
4	3	19	0.32	0.27	0.05	0.04	0.04	0.05	0.10	0.19	0.62	0.30	0.19	0.00	0.00	0.01	0.00	0.02	0.01	0.02	0.01
4	3	20	0.35	0.40	0.07	0.05	0.06	0.02	0.06	0.17	0.73	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	21	0.29	0.42	0.10	0.08	0.07	0.00	0.07	0.14	0.64	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	22	0.27	0.42	0.16	0.14	0.06	0.00	0.11	0.12	0.46	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	23	0.25	0.39	0.20	0.18	0.06	0.00	0.12	0.09	0.37	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	3	24	0.22	0.38	0.21	0.19	0.04	0.00	0.09	0.09	0.35	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	1	0.16	0.38	0.19	0.17	0.05	0.01	0.07	0.06	0.33	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	2	0.13	0.34	0.18	0.15	0.06	0.02	0.07	0.02	0.26	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	3	0.11	0.22	0.18	0.16	0.04	0.03	0.06	0.00	0.18	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	4	0.10	0.09	0.19	0.17	0.03	0.04	0.06	0.00	0.13	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	5	0.08	0.02	0.19	0.16	0.03	0.07	0.07	0.00	0.08	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	6	0.05	0.00	0.16	0.14	0.04	0.14	0.08	0.00	0.05	0.43	0.33	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
4	4	7	0.02	0.01	0.14	0.12	0.07	0.19	0.07	0.00	0.01	0.33	0.22	0.01	0.10	0.37	0.10	0.21	0.14	0.22	0.04
4	4	8	0.01	0.01	0.12	0.10	0.11	0.13	0.07	0.00	0.00	0.24	0.13	0.15	0.29	0.61	0.29	0.49	0.36	0.45	0.20
4	4	9	0.01	0.00	0.11	0.09	0.09	0.12	0.10	0.00	0.00	0.22	0.11	0.37	0.53	0.72	0.52	0.65	0.47	0.69	0.34
4	4	10	0.01	0.01	0.15	0.13	0.07	0.10	0.11	0.00	0.00	0.21	0.11	0.54	0.67	0.82	0.66	0.76	0.74	0.79	0.45
4	4	11	0.00	0.03	0.18	0.16	0.06	0.06	0.14	0.00	0.00	0.22	0.11	0.63	0.73	0.82	0.71	0.87	0.75	0.72	0.51
4	4	12	0.00	0.04	0.15	0.13	0.07	0.01	0.20	0.00	0.00	0.23	0.12	0.67	0.75	0.86	0.74	0.88	0.78	0.72	0.50
4	4	13	0.00	0.04	0.14	0.11	0.13	0.00	0.22	0.00	0.00	0.25	0.14	0.64	0.71	0.84	0.69	0.90	0.78	0.80	0.51
4	4	14	0.00	0.03	0.14	0.12	0.16	0.00	0.26	0.00	0.01	0.27	0.17	0.47	0.53	0.73	0.52	0.82	0.77	0.66	0.40
4	4	15	0.00	0.02	0.15	0.13	0.33	0.00	0.27	0.00	0.02	0.33	0.22	0.33	0.38	0.66	0.37	0.74	0.68	0.35	0.32
4	4	16	0.03	0.01	0.15	0.13	0.27	0.00	0.28	0.01	0.04	0.40	0.30	0.24	0.30	0.49	0.30	0.67	0.63	0.25	0.25
4	4	17	0.08	0.01	0.14	0.12	0.22	0.02	0.33	0.05	0.06	0.49	0.39	0.15	0.22	0.28	0.22	0.56	0.46	0.16	0.15
4	4	18	0.21	0.02	0.13	0.10	0.16	0.07	0.31	0.09	0.14	0.50	0.40	0.03	0.09	0.10	0.09	0.31	0.16	0.18	0.12
4	4	19	0.32	0.07	0.11	0.09	0.12	0.14	0.31	0.10	0.32	0.52	0.42	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00
4	4	20	0.34	0.28	0.10	0.08	0.07	0.24	0.26	0.05	0.47	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	21	0.43	0.34	0.08	0.06	0.04	0.22	0.25	0.02	0.52	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	22	0.51	0.33	0.07	0.05	0.06	0.18	0.21	0.02	0.54	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	23	0.34	0.31	0.05	0.03	0.11	0.23	0.16	0.00	0.48	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	24	0.13	0.31	0.03	0.02	0.14	0.22	0.16	0.00	0.42	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	1	0.03	0.24	0.02	0.01	0.14	0.07	0.14	0.00	0.39	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	2	0.01	0.15	0.02	0.01	0.10	0.01	0.18	0.00	0.34	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	3	0.00	0.09	0.03	0.02	0.07	0.00	0.23	0.00	0.26	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	4	0.00	0.05	0.04	0.02	0.05	0.01	0.32	0.00	0.16	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	5	0.00	0.02	0.05	0.03	0.02	0.02	0.35	0.00	0.08	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	6	0.00	0.00	0.05	0.04	0.01	0.02	0.39	0.00	0.03	0.17	0.07	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00
4	5	7	0.00	0.00	0.06	0.04	0.01	0.03	0.42	0.00	0.01	0.19	0.09	0.00	0.03	0.28	0.03	0.28	0.01	0.01	0.03
4	5	8	0.00	0.00	0.05	0.03	0.00	0.01	0.47	0.01	0.00	0.23	0.12	0.08	0.13	0.49	0.13	0.57	0.15	0.17	0.11
4	5	9	0.00	0.00	0.05	0.03	0.00	0.01	0.45	0.02	0.00	0.31	0.20	0.20	0.28	0.67	0.27	0.66	0.23	0.38	0.20
4	5	10	0.00	0.00	0.05	0.04	0.00	0.03	0.43	0.01	0.02	0.37	0.26	0.38	0.47	0.78	0.46	0.77	0.55	0.62	0.32
4	5	11	0.01	0.01	0.07	0.06	0.00	0.09	0.38	0.01	0.02	0.40	0.30	0.49	0.57	0.81	0.56	0.78	0.70	0.68	0.35
4	5	12	0.02	0.00	0.09	0.07	0.00	0.11	0.33	0.00	0.03	0.52	0.43	0.62	0.69	0.80	0.68	0.83	0.85	0.68	0.38
4	5	13	0.02	0.01	0.09	0.07	0.00	0.09	0.29	0.00	0.04	0.63	0.54	0.69	0.76	0.76	0.75	0.86	0.86	0.64	0.41
4	5	14	0.03	0.05	0.10	0.08	0.00	0.10	0.22	0.00	0.05	0.63	0.55	0.62	0.69	0.69	0.68	0.80	0.77	0.58	0.53
4	5	15	0.06	0.07	0.11	0.09	0.00	0.10	0.14	0.03	0.04	0.58	0.49	0.48	0.57	0.61	0.55	0.75	0.64	0.52	0.47
4	5	16	0.10	0.13	0.12	0.10	0.01	0.11	0.09	0.06	0.01	0.53	0.44	0.36	0.46	0.47	0.45	0.72	0.57	0.43	0.39
4	5	17	0.16	0.31	0.12	0.10	0.02	0.13	0.07	0.08	0.01	0.45	0.35	0.21	0.32	0.28	0.31	0.56	0.40	0.35	0.32
4	5	18	0.33	0.40	0.13	0.11	0.04	0.17	0.06	0.13	0.02	0.36	0.25	0.04	0.12	0.09	0.12	0.28	0.15	0.14	0.17
4	5	19	0.43	0.43	0.16	0.14	0.05	0.28	0.07	0.12	0.02	0.24	0.13	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00
4	5	20	0.49	0.42	0.17	0.14	0.04	0.35	0.06	0.07	0.04	0.20	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	21	0.42	0.47	0.14	0.12	0.03	0.33	0.06	0.07	0.03	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	22	0.32	0.60	0.13	0.11	0.02	0.25	0.05	0.07	0.01	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	23	0.26	0.57	0.12	0.10	0.02	0.14	0.06	0.01	0.00	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	5	24	0.20	0.61	0.11	0.09	0.02	0.11	0.06	0.00	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	1	0.20	0.65	0.11	0.09	0.01	0.11	0.09	0.01	0.00	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	2	0.21	0.70	0.10	0.08	0.01	0.13	0.11	0.00	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	3	0.22	0.74	0.10	0.08	0.00	0.13	0.10	0.01	0.00	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	4	0.13	0.70	0.09	0.07	0.01	0.10	0.11	0.01	0.01	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	5	0.12	0.62	0.08	0.07	0.01	0.09	0.09	0.01	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	6	6	0.12	0.64	0.08	0.06	0.01	0.09	0.07	0.03	0.01	0.13	0.04	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.01
4	6	7	0.09	0.59	0.08	0.06	0.02	0.08	0.06	0.02	0.00	0.10	0.02	0.01	0.19	0.29	0.18	0.39	0.26	0.31	0.34
4	6	8	0.04	0.50	0.07	0.05	0.02	0.03	0.05	0.03	0.00	0.13	0.03	0.19	0.41	0.53	0.41	0.71	0.58	0.64	0.67
4	6	9	0.03	0.45	0.06	0.04	0.00	0.03	0.05	0.03	0.00	0.13	0.03	0.43	0.64	0.68	0.62	0.86	0.75	0.82	0.84
4	6	10	0.03	0.37	0.05	0.04	0.00	0.05	0.05	0.00	0.01	0.16	0.06	0.60	0.76	0.75	0.74	0.94	0.91	0.91	0.88
4	6	11	0.03	0.33	0.06	0.04	0.00	0.09	0.04	0.01	0.01	0.23	0.12	0.75	0.87	0.77	0.85	0.96	0.96	0.95	0.89
4	6	12	0.03	0.36	0.07	0.05	0.00	0.11	0.04	0.09	0.03	0.25	0.15	0.79	0.88	0.79	0.87	0.90	0.96	0.96	0.85
4	6	13	0.05	0.42	0.09	0.07	0.00	0.13	0.03	0.11	0.05	0.32	0.21	0.80	0.88	0.73	0.87	0.82	0.95	0.95	0.82
4	6	14	0.13	0.48	0.10	0.08	0.00	0.13	0.03	0.07	0.07	0.38	0.27	0.74	0.83	0.73	0.82	0.91	0.94	0.93	0.79
4	6	15	0.31	0.51	0.09	0.07	0.00	0.10	0.04	0.04	0.10	0.41	0.31	0.66	0.77	0.68	0.76	0.89	0.91	0.90	0.75

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
4	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	6	0.00	0.00	0.01	0.04	0.02	0.02	0.02	0.02	0.09	0.07	0.13	0.33	1.00	1.00	1.00
4	1	7	0.27	0.27	0.31	0.33	0.40	0.39	0.41	0.39	0.37	0.49	0.56	0.76	1.00	1.00	1.00
4	1	8	0.61	0.63	0.70	0.55	0.73	0.71	0.73	0.73	0.67	0.74	0.80	1.00	1.00	1.00	1.00
4	1	9	0.86	0.91	0.91	0.88	0.90	0.87	0.88	0.89	0.78	0.85	0.93	1.00	1.00	1.00	1.00
4	1	10	1.00	1.00	1.00	0.94	0.99	0.96	0.96	0.99	0.86	0.91	1.00	1.00	1.00	1.00	1.00
4	1	11	1.00	1.00	1.00	0.92	1.00	1.00	0.98	1.00	0.91	0.86	1.00	1.00	1.00	1.00	1.00
4	1	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.85	0.79	1.00	1.00	1.00	1.00	1.00
4	1	13	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.82	0.78	0.99	1.00	1.00	1.00	1.00
4	1	14	0.98	1.00	1.00	1.00	0.98	0.98	0.98	0.97	0.67	0.71	0.97	1.00	1.00	1.00	1.00
4	1	15	0.95	1.00	0.96	0.97	0.95	0.96	0.92	0.95	0.45	0.57	0.92	1.00	1.00	1.00	1.00
4	1	16	0.83	0.94	0.87	0.73	0.86	0.88	0.84	0.85	0.46	0.50	0.84	0.87	1.00	1.00	1.00
4	1	17	0.60	0.69	0.64	0.50	0.57	0.62	0.57	0.57	0.33	0.33	0.53	0.47	1.00	1.00	1.00
4	1	18	0.16	0.13	0.25	0.25	0.29	0.30	0.29	0.28	0.15	0.13	0.17	0.02	1.00	1.00	1.00
4	1	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
4	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	6	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.11	0.04	0.04	0.35	1.00	1.00	1.00
4	2	7	0.12	0.28	0.23	0.07	0.07	0.31	0.37	0.07	0.50	0.39	0.41	0.74	1.00	1.00	1.00
4	2	8	0.38	0.62	0.57	0.29	0.37	0.64	0.67	0.37	0.73	0.63	0.70	0.96	1.00	1.00	1.00
4	2	9	0.78	0.80	0.81	0.62	0.61	0.75	0.89	0.60	0.83	0.77	0.82	1.00	1.00	1.00	1.00
4	2	10	0.95	0.76	0.89	0.92	0.90	0.90	0.97	0.89	0.81	0.86	0.95	1.00	1.00	1.00	1.00
4	2	11	1.00	0.95	0.94	1.00	0.97	1.00	1.00	0.96	0.79	0.88	0.98	1.00	1.00	1.00	1.00
4	2	12	1.00	1.00	0.86	0.96	0.99	0.94	0.98	0.98	0.95	0.96	0.95	1.00	1.00	1.00	1.00
4	2	13	1.00	0.96	0.79	1.00	0.95	0.90	0.94	0.94	0.95	0.95	0.96	1.00	1.00	1.00	1.00
4	2	14	1.00	0.89	0.90	0.91	0.86	0.83	0.84	0.85	0.94	0.93	0.88	0.96	1.00	1.00	1.00
4	2	15	0.97	0.69	0.78	0.77	0.75	0.62	0.74	0.74	0.92	0.87	0.72	0.87	1.00	1.00	1.00
4	2	16	0.84	0.35	0.57	0.77	0.65	0.50	0.64	0.64	0.85	0.82	0.62	0.75	1.00	1.00	1.00
4	2	17	0.64	0.46	0.31	0.53	0.32	0.28	0.44	0.31	0.69	0.61	0.41	0.38	1.00	1.00	1.00
4	2	18	0.17	0.11	0.10	0.27	0.14	0.10	0.21	0.14	0.32	0.33	0.12	0.02	1.00	1.00	1.00
4	2	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
4	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	6	0.00	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.13	0.05	0.08	0.29	1.00	1.00	1.00
4	3	7	0.28	0.41	0.45	0.48	0.43	0.40	0.42	0.43	0.54	0.48	0.51	0.69	1.00	1.00	1.00
4	3	8	0.66	0.76	0.77	0.76	0.74	0.69	0.74	0.73	0.79	0.73	0.77	0.90	1.00	1.00	1.00
4	3	9	0.87	0.96	0.93	0.93	0.90	0.88	0.92	0.89	0.90	0.88	0.90	1.00	1.00	1.00	1.00
4	3	10	0.98	1.00	1.00	1.00	0.98	0.95	1.00	0.97	0.96	0.93	0.96	1.00	1.00	1.00	1.00
4	3	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.99	1.00	1.00	1.00	1.00
4	3	12	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97	0.95	0.97	0.99	1.00	1.00	1.00
4	3	13	1.00	1.00	1.00	1.00	0.98	0.94	1.00	0.97	0.96	0.95	0.94	1.00	1.00	1.00	1.00
4	3	14	1.00	1.00	1.00	1.00	0.97	0.98	0.97	0.96	0.95	0.89	0.88	0.90	1.00	1.00	1.00
4	3	15	0.97	1.00	0.98	0.97	0.94	0.93	0.94	0.94	0.87	0.89	0.80	0.74	1.00	1.00	1.00
4	3	16	0.82	0.94	0.89	0.87	0.85	0.76	0.84	0.85	0.68	0.77	0.66	0.60	1.00	1.00	1.00
4	3	17	0.63	0.76	0.68	0.68	0.65	0.60	0.63	0.65	0.49	0.65	0.50	0.28	1.00	1.00	1.00
4	3	18	0.25	0.17	0.12	0.39	0.34	0.31	0.33	0.34	0.22	0.30	0.16	0.01	1.00	1.00	1.00
4	3	19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
4	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.05	0.09	0.17	1.00	1.00	1.00
4	4	7	0.00	0.07	0.15	0.19	0.25	0.14	0.17	0.25	0.53	0.40	0.50	0.35	1.00	1.00	1.00
4	4	8	0.07	0.38	0.36	0.38	0.53	0.27	0.52	0.53	0.78	0.67	0.73	0.62	1.00	1.00	1.00
4	4	9	0.19	0.79	0.66	0.82	0.71	0.55	0.81	0.70	0.89	0.78	0.81	0.85	1.00	1.00	1.00
4	4	10	0.29	0.82	0.94	0.76	0.79	0.83	0.91	0.78	0.94	0.80	0.86	1.00	1.00	1.00	1.00
4	4	11	0.27	0.77	0.89	0.84	0.89	0.99	0.94	0.88	0.94	0.78	0.86	1.00	1.00	1.00	1.00
4	4	12	0.22	0.62	0.96	0.97	0.92	0.98	0.99	0.91	0.85	0.76	0.89	1.00	1.00	1.00	1.00
4	4	13	0.27	0.52	0.84	0.85	0.82	0.88	0.83	0.81	0.87	0.62	0.94	1.00	1.00	1.00	1.00
4	4	14	0.17	0.21	0.58	0.66	0.57	0.66	0.49	0.56	0.82	0.55	0.95	1.00	1.00	1.00	1.00
4	4	15	0.15	0.12	0.45	0.43	0.42	0.31	0.39	0.42	0.64	0.54	0.86	1.00	1.00	1.00	1.00
4	4	16	0.20	0.23	0.36	0.19	0.41	0.06	0.35	0.40	0.49	0.39	0.64	0.84	1.00	1.00	1.00
4	4	17	0.13	0.11	0.34	0.12	0.29	0.20	0.32	0.29	0.27	0.29	0.34	0.48	1.00	1.00	1.00
4	4	18	0.07	0.07	0.08	0.05	0.14	0.06	0.13	0.14	0.12	0.13	0.08	0.03	1.00	1.00	1.00
4	4	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
4	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.04	0.03	0.18	1.00	1.00	1.00
4	5	7	0.00	0.00	0.00	0.08	0.03	0.01	0.02	0.03	0.51	0.21	0.19	0.38	1.00	1.00	1.00
4	5	8	0.02	0.02	0.11	0.31	0.11	0.03	0.18	0.11	0.68	0.34	0.34	0.68	1.00	1.00	1.00
4	5	9	0.26	0.27	0.19	0.42	0.17	0.20	0.44	0.16	0.74	0.56	0.48	0.88	1.00	1.00	1.00
4	5	10	0.62	0.42	0.46	0.30	0.24	0.59	0.76	0.24	0.79	0.72	0.55	1.00	1.00	1.00	1.00
4	5	11	0.65	0.44	0.62	0.11	0.54	0.89	0.87	0.53	0.84	0.74	0.61	0.97	1.00	1.00	1.00
4	5	12	0.72	0.71	0.75	0.40	0.78	0.88	0.87	0.78	0.82	0.72	0.65	0.90	1.00	1.00	1.00
4	5	13	0.77	0.99	0.84	0.68	0.90	0.90	0.81	0.89	0.89	0.64	0.72	0.74	1.00	1.00	1.00
4	5	14	0.68	0.96	0.76	0.69	0.79	0.72	0.61	0.79	0.83	0.62	0.77	0.73	1.00	1.00	1.00
4	5	15	0.68	0.63	0.63	0.50	0.67	0.58	0.50	0.66	0.79	0.53	0.73	0.67	1.00	1.00	1.00
4	5	16	0.55	0.33	0.47	0.56	0.58	0.37	0.51	0.58	0.62	0.42	0.64	0.51	1.00	1.00	1.00
4	5	17	0.39	0.25	0.41	0.48	0.26	0.24	0.37	0.26	0.30	0.30	0.44	0.21	1.00	1.00	1.00
4	5	18	0.20	0.17	0.10	0.26	0.11	0.09	0.12	0.11	0.10	0.15	0.13	0.01	1.00	1.00	1.00
4	5	19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
4	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	6	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.09	0.05	0.05	0.00	1.00	1.00	1.00
4	6	7	0.21	0.27	0.39	0.15	0.18	0.22	0.33	0.18	0.43	0.34	0.40	0.05	1.00	1.00	1.00
4	6	8	0.43	0.63	0.64	0.19	0.39	0.38	0.58	0.39	0.61	0.62	0.68	0.11	1.00	1.00	1.00
4	6	9	0.60	0.91	0.73	0.62	0.56	0.70	0.69	0.55	0.79	0.76	0.88	0.15	1.00	1.00	1.00
4	6	10	0.75	0.97	0.69	0.83	0.59	0.78	0.81	0.59	0.86	0.82	0.88	0.23	1.00	1.00	1.00
4	6	11	0.80	1.00	0.84	0.90	0.86	0.90	0.96	0.85	0.80	0.83	0.89	0.23	1.00	1.00	1.00
4	6	12	0.84	1.00	0.88	0.86	0.92	0.85	0.97	0.92	0.89	0.75	0.92	0.24	1.00	1.00	1.00
4	6	13	0.99	1.00	0.71	0.81	0.93	0.97	0.98	0.92	0.87	0.56	0.87	0.24	1.00	1.00	1.00
4	6	14	0.89	0.83	0.72	0.69	0.85	0.96	0.99	0.84	0.90	0.64	0.80	0.19	1.00	1.00	1.00
4	6	15	0.86	0.78	0.67	0.64	0.77	0.90	0.95	0.77	0.86	0.59	0.74	0.15	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind																						
Month	Day	Hour	CAISO_Wind	SW_Wind_f(	Contracted_	Northern_C	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
4	6	16	0.31	0.46	0.23	0.19	0.92	0.45	0.57	0.45	0.37	0.31	0.49	0.45	0.32	0.51	0.11	0.09	0.01	0.06	0.07	0.08	0.15	0.46	0.36
4	6	17	0.17	0.45	0.21	0.31	0.93	0.66	0.67	0.32	0.22	0.16	0.51	0.46	0.18	0.52	0.10	0.08	0.01	0.04	0.10	0.14	0.26	0.45	0.35
4	6	18	0.36	0.37	0.19	0.41	0.93	0.92	0.75	0.48	0.41	0.35	0.54	0.48	0.37	0.53	0.11	0.09	0.01	0.04	0.12	0.09	0.49	0.37	0.27
4	6	19	0.39	0.33	0.21	0.62	0.94	0.98	0.81	0.44	0.44	0.38	0.67	0.59	0.40	0.63	0.13	0.11	0.02	0.07	0.14	0.17	0.67	0.33	0.22
4	6	20	0.40	0.34	0.23	0.56	0.95	0.98	0.83	0.53	0.44	0.39	0.67	0.69	0.41	0.73	0.15	0.12	0.01	0.08	0.14	0.17	0.62	0.34	0.24
4	6	21	0.53	0.34	0.21	0.52	0.92	0.94	0.80	0.68	0.57	0.52	0.68	0.68	0.54	0.71	0.17	0.14	0.03	0.08	0.14	0.11	0.71	0.34	0.23
4	6	22	0.59	0.27	0.17	0.45	0.89	0.92	0.80	0.76	0.62	0.58	0.62	0.67	0.59	0.71	0.14	0.12	0.03	0.06	0.12	0.14	0.73	0.27	0.17
4	6	23	0.60	0.30	0.13	0.42	0.88	0.79	0.83	0.84	0.63	0.59	0.46	0.65	0.60	0.68	0.13	0.11	0.03	0.06	0.11	0.15	0.63	0.30	0.19
4	6	24	0.53	0.28	0.12	0.37	0.88	0.39	0.82	0.86	0.57	0.52	0.33	0.64	0.53	0.68	0.09	0.07	0.06	0.03	0.11	0.14	0.67	0.28	0.17
4	7	1	0.47	0.23	0.11	0.36	0.86	0.42	0.80	0.86	0.52	0.47	0.28	0.59	0.48	0.63	0.09	0.07	0.08	0.01	0.11	0.10	0.74	0.23	0.12
4	7	2	0.39	0.23	0.10	0.34	0.84	0.54	0.80	0.84	0.43	0.38	0.22	0.54	0.39	0.58	0.10	0.08	0.08	0.01	0.10	0.07	0.80	0.23	0.12
4	7	3	0.35	0.22	0.10	0.27	0.82	0.66	0.80	0.80	0.40	0.34	0.19	0.50	0.36	0.55	0.15	0.13	0.08	0.01	0.10	0.05	0.78	0.22	0.11
4	7	4	0.31	0.23	0.11	0.26	0.78	0.71	0.78	0.77	0.36	0.30	0.16	0.48	0.32	0.54	0.21	0.18	0.06	0.00	0.10	0.03	0.82	0.23	0.12
4	7	5	0.30	0.23	0.16	0.29	0.75	0.60	0.78	0.73	0.35	0.29	0.12	0.44	0.31	0.49	0.22	0.20	0.05	0.00	0.11	0.01	0.85	0.23	0.13
4	7	6	0.28	0.25	0.20	0.33	0.72	0.41	0.74	0.68	0.33	0.27	0.11	0.39	0.29	0.45	0.22	0.20	0.03	0.00	0.10	0.01	0.83	0.25	0.14
4	7	7	0.26	0.25	0.16	0.34	0.64	0.29	0.71	0.68	0.32	0.25	0.10	0.35	0.27	0.41	0.21	0.18	0.01	0.00	0.09	0.01	0.65	0.25	0.14
4	7	8	0.25	0.22	0.11	0.22	0.48	0.11	0.67	0.67	0.30	0.24	0.09	0.29	0.26	0.36	0.13	0.11	0.00	0.00	0.09	0.02	0.56	0.22	0.12
4	7	9	0.25	0.24	0.09	0.24	0.33	0.12	0.67	0.69	0.31	0.25	0.12	0.25	0.26	0.33	0.10	0.08	0.00	0.00	0.08	0.05	0.54	0.24	0.12
4	7	10	0.30	0.22	0.11	0.27	0.26	0.11	0.67	0.78	0.35	0.29	0.20	0.20	0.31	0.27	0.13	0.11	0.00	0.00	0.07	0.12	0.54	0.22	0.11
4	7	11	0.34	0.19	0.15	0.30	0.17	0.11	0.66	0.86	0.39	0.33	0.29	0.21	0.35	0.28	0.20	0.17	0.00	0.00	0.07	0.21	0.59	0.19	0.09
4	7	12	0.34	0.16	0.24	0.34	0.16	0.09	0.66	0.91	0.39	0.33	0.41	0.31	0.35	0.37	0.28	0.26	0.00	0.00	0.07	0.31	0.70	0.16	0.06
4	7	13	0.36	0.16	0.42	0.38	0.24	0.09	0.66	0.93	0.41	0.35	0.54	0.42	0.37	0.48	0.34	0.32	0.01	0.00	0.07	0.42	0.82	0.16	0.06
4	7	14	0.39	0.18	0.27	0.38	0.39	0.15	0.67	0.95	0.44	0.38	0.62	0.48	0.40	0.54	0.37	0.34	0.03	0.01	0.08	0.49	0.87	0.18	0.08
4	7	15	0.42	0.20	0.16	0.44	0.54	0.15	0.67	0.96	0.47	0.41	0.67	0.52	0.43	0.57	0.31	0.29	0.17	0.01	0.10	0.54	0.88	0.20	0.09
4	7	16	0.47	0.22	0.23	0.45	0.64	0.29	0.65	0.96	0.51	0.46	0.71	0.55	0.47	0.60	0.25	0.23	0.23	0.00	0.13	0.56	0.83	0.22	0.11
4	7	17	0.51	0.26	0.31	0.52	0.68	0.38	0.64	0.94	0.55	0.51	0.71	0.56	0.52	0.61	0.33	0.31	0.09	0.02	0.16	0.58	0.89	0.26	0.15
4	7	18	0.77	0.28	0.44	0.56	0.72	0.68	0.62	0.84	0.80	0.76	0.71	0.56	0.77	0.61	0.37	0.34	0.04	0.47	0.22	0.64	0.88	0.28	0.16
4	7	19	0.62	0.21	0.64	0.61	0.82	0.87	0.62	0.74	0.65	0.61	0.75	0.61	0.62	0.66	0.39	0.37	0.43	0.79	0.24	0.68	0.95	0.21	0.10
4	7	20	0.39	0.18	0.76	0.58	0.85	0.87	0.64	0.72	0.44	0.39	0.77	0.63	0.40	0.67	0.44	0.42	0.27	0.21	0.21	0.77	0.96	0.18	0.08
4	7	21	0.38	0.15	0.74	0.45	0.80	0.73	0.64	0.72	0.43	0.38	0.75	0.61	0.39	0.65	0.50	0.48	0.08	0.06	0.16	0.78	0.94	0.15	0.05
4	7	22	0.41	0.11	0.71	0.34	0.75	0.66	0.67	0.72	0.46	0.40	0.76	0.64	0.42	0.68	0.59	0.58	0.07	0.10	0.13	0.74	0.93	0.11	0.02
4	7	23	0.34	0.09	0.68	0.25	0.73	0.80	0.70	0.71	0.38	0.33	0.74	0.68	0.35	0.72	0.63	0.62	0.18	0.16	0.10	0.75	0.96	0.09	0.01
4	7	24	0.41	0.11	0.66	0.17	0.70	0.71	0.70	0.70	0.46	0.41	0.70	0.69	0.42	0.73	0.62	0.61	0.22	0.25	0.07	0.73	0.96	0.11	0.02
4	8	1	0.42	0.10	0.65	0.12	0.67	0.77	0.69	0.70	0.47	0.41	0.63	0.67	0.43	0.71	0.53	0.51	0.24	0.41	0.05	0.64	0.83	0.10	0.02
4	8	2	0.42	0.17	0.66	0.09	0.67	0.71	0.65	0.71	0.47	0.42	0.60	0.67	0.43	0.71	0.44	0.42	0.28	0.41	0.03	0.62	0.68	0.17	0.07
4	8	3	0.41	0.25	0.70	0.07	0.71	0.39	0.60	0.68	0.46	0.40	0.60	0.68	0.42	0.72	0.37	0.35	0.43	0.35	0.02	0.61	0.72	0.25	0.14
4	8	4	0.38	0.30	0.71	0.06	0.75	0.29	0.56	0.64	0.42	0.37	0.58	0.69	0.38	0.72	0.33	0.31	0.57	0.25	0.02	0.62	0.67	0.30	0.19
4	8	5	0.42	0.37	0.70	0.05	0.77	0.39	0.51	0.61	0.47	0.42	0.54	0.67	0.43	0.70	0.29	0.27	0.55	0.35	0.01	0.58	0.67	0.37	0.27
4	8	6	0.45	0.45	0.64	0.04	0.78	0.50	0.48	0.59	0.49	0.44	0.47	0.62	0.45	0.66	0.19	0.17	0.57	0.45	0.01	0.54	0.67	0.45	0.34
4	8	7	0.48	0.43	0.49	0.03	0.70	0.49	0.41	0.55	0.53	0.48	0.34	0.56	0.49	0.61	0.13	0.11	0.59	0.15	0.01	0.47	0.69	0.43	0.33
4	8	8	0.38	0.42	0.34	0.02	0.55	0.16	0.33	0.50	0.42	0.37	0.31	0.47	0.38	0.52	0.09	0.07	0.57	0.03	0.01	0.43	0.80	0.42	0.32
4	8	9	0.34	0.53	0.27	0.02	0.43	0.14	0.29	0.55	0.39	0.33	0.31	0.44	0.35	0.50	0.10	0.08	0.46	0.00	0.01	0.48	0.87	0.53	0.44
4	8	10	0.28	0.66	0.23	0.03	0.31	0.10	0.26	0.64	0.33	0.27	0.36	0.42	0.29	0.48	0.12	0.10	0.29	0.00	0.01	0.48	0.92	0.66	0.60
4	8	11	0.21	0.81	0.18	0.04	0.22	0.09	0.25	0.78	0.27	0.20	0.40	0.42	0.22	0.48	0.15	0.13	0.24	0.01	0.03	0.47	0.95	0.81	0.76
4	8	12	0.26	0.84	0.13	0.08	0.22	0.13	0.26	0.87	0.32	0.25	0.47	0.44	0.27	0.49	0.19	0.16	0.23	0.01	0.07	0.47	0.97	0.84	0.80
4	8	13	0.33	0.88	0.13	0.12	0.29	0.15	0.31	0.92	0.39	0.33	0.51	0.49	0.34	0.55	0.25	0.23	0.21	0.01	0.10	0.47	0.97	0.88	0.85
4	8	14	0.38	0.90	0.10	0.19	0.45	0.14	0.40	0.96	0.43	0.37	0.54	0.52	0.39	0.57	0.32	0.30	0.19	0.08	0.11	0.48	0.98	0.90	0.87
4	8	15	0.42	0.87	0.07	0.29	0.63	0.15	0.50	0.95	0.47	0.41	0.57	0.54	0.43	0.59	0.38	0.36	0.20	0.06	0.13	0.46	0.98	0.87	0.83
4	8	16	0.53	0.72	0.07	0.42	0.76	0.23	0.58	0.93	0.57	0.52	0.62	0.58	0.53	0.62	0.41	0.39	0.23	0.05	0.14	0.42	0.98	0.72	0.67
4	8	17	0.55	0.66	0.09	0.57	0.82	0.27	0.63	0.87	0.59	0.54	0.70	0.66	0.56	0.70	0.41	0.39	0.24	0.03	0.13	0.42	0.96	0.66	0.59
4	8	18	0.44	0.65	0.11	0.67	0.86	0.48	0.67	0.80	0.48	0.43	0.71	0.79	0.45	0.82	0.35	0.33	0.19	0.19	0.12	0.43	0.91	0.65	0.58
4	8	19	0.49	0.70	0.20	0.73	0.88	0.93	0.71	0.77	0.53	0.48	0.66	0.82	0.49	0.84	0.34	0.32	0.18	0.19	0.10	0.48	0.92	0.70	0.63
4	8	20	0.49	0.68	0.31	0.70	0.82	0.87	0.72	0.75	0.54	0.49	0.61	0.81	0.50	0.83	0.45	0.43	0.16	0.08	0.07	0.43	0.96	0.68	0.62
4	8	21	0.35	0.74	0.39	0.63	0.78	0.90	0.72	0.73	0.39	0.34	0.55	0.71	0.35	0.75	0.54	0.52	0.15	0.04	0.05	0.38	0.97	0.74	0.69
4	8	22	0.33	0.77	0.48	0.59	0.77	0.86	0.70	0.73	0.38	0.33	0.51	0.60	0.34	0.64	0.59	0.58	0.16	0.00	0.04	0.39	0.97	0.77	0.71
4	8	23	0.34	0.72	0.33	0.57	0.74	0.44	0.72	0.71	0.39	0.33	0.40	0.57	0.34	0.62	0.72	0.71	0.23	0.00	0.06	0.39	0.96	0.72	0.67
4	8	24	0.33	0.82	0.25	0.59	0.66	0.34	0.74	0.68	0.38	0.32	0.34	0.53	0.34	0.58	0.77	0.76	0.37	0.00	0.10	0.35	0.94	0.82	0.77
4	9	1	0.34	0.89	0.23	0.55	0.57	0.33	0.75	0.64	0.39	0.33	0.36	0.51	0.35	0.57	0.84	0.83	0.58	0.00	0.17	0.28	0.90	0.89	0.87
4	9	2	0.35	0.94	0.22	0.49	0.44	0.29	0.77	0.63	0.40	0.34	0.39	0.50	0.36	0.56	0.88	0.88	0.76	0.01	0.27	0.21	0.88	0.94	0.92
4	9	3	0.32	0.93	0.28	0.48	0.24	0.50	0.79	0.60	0.37	0.31	0.33	0.46	0.33	0.51	0.90	0.90	0.77	0.02	0.40	0.15	0.84	0.93	0.92
4	9	4	0.27	0.92	0.41	0.49	0.05	0.46	0.78	0.51	0.32	0.26	0.28	0.43	0.28	0.49	0.88	0.88	0.71	0.03	0.55	0.11	0.84	0.92	0.90
4	9	5	0.26	0.90	0.51	0.48	0.00	0.50	0.77	0.44	0.31	0.25	0.21	0.41	0.27	0.47	0.85	0.85	0.63	0.07	0.64	0.07	0.85	0.90	0.88
4	9	6	0.26	0.89	0.51	0.43	0.00	0.49	0.77	0.40	0.32	0.25	0.19	0.39	0.27	0.46	0.84	0.84	0.67	0.09	0.68	0.04	0.87	0.89	0.87
4	9	7	0.27	0.93	0.53	0.35	0.00	0.33	0.75	0.38	0.32	0.26	0.18	0.37	0.28	0.44	0.83	0.83	0.76	0.09	0.68	0.03	0.82	0.93	0.91
4	9	8	0.25	0.97	0.54	0.28	0.00	0.07	0.72	0.38	0.31	0.24	0.16	0.31	0.26	0.38	0.85	0.84	0.74	0.09	0.71	0.02	0.84	0.97	0.96
4	9	9	0.29	0.97	0.70	0.27	0.00	0.02	0.73	0.40	0.35	0.29	0.15	0.18	0.30	0.25	0.89	0.88	0.74	0.13	0.71	0.03	0.86	0.97	0.96
4	9	10	0.29	0.91	0.82	0.29	0.00	0.13	0.78	0.45	0.34	0.28	0.14	0.07	0.30	0.14	0.92	0.92	0.63	0.11	0.73	0.08	0.84	0.91	0.89
4	9	11	0.22	0.87	0.90	0.31	0.00	0.33	0.82	0.55	0.28	0.21	0.18	0.08	0.23	0.15	0.95	0.95	0.67	0.04	0.77	0.14	0.84	0.87	0.85
4	9	12	0.29	0.87	0.97	0.34	0.00	0.37	0.85	0.63	0.34	0.28	0.26	0.14	0.30	0.21	0.97	0.96	0.80	0.02	0.78	0.21	0.82	0.87	0.84
4	9	13	0.33	0.88	0.99	0.36	0.00	0.44	0.86	0.67	0.39	0.33	0.42	0.22	0.34	0.29	0.97	0.97	0.84	0.06	0.84	0.30	0.76	0.88	0.86
4	9	14	0.37	0.94	1.00	0.38	0.05	0.53	0.87	0.68	0.42	0.36	0.58	0.31	0.38	0.37	0.98	0.98	0.91	0.12	0.86	0.36	0.75	0.94	0.93
4	9	15	0.43	0.97	1.00	0.38	0.26	0.59	0.86	0.68	0.47	0.42	0.62	0.46	0.43	0.52	0.98	0.97	0.91	0.21	0.89	0.44	0.78	0.97	0.96
4	9	16	0.60	0.98	1.00	0.40	0.56	0.58	0.85	0.69	0.64	0.59	0.63	0.55	0.61	0.60	0.97	0.97	0.89	0.38	0.88	0.49	0.85	0.98	0.97
4	9	17	0.66	0.95	1.00	0.43	0.72	0.58	0.84	0.71	0.70	0.66	0.64	0.57	0.67	0.62	0.96	0.96	0.94	0.65	0.86	0.66	0.87	0.95	0.94
4	9	18	0.61	0.95	1.00	0.45	0.73	0.66	0.85	0.74	0.64	0.60	0.62	0.56	0.61	0.61	0.93	0.93	0.95	0.47	0.84	0.68	0.78	0.95	0.94
4	9	19	0.62	0.98	0.98	0.53	0.77	0.80	0.89	0.76	0.65	0.61	0.69	0.67	0.62	0.71	0.89	0.88	0.79	0.43	0.90	0.71	0.84	0.98	0.97
4	9	20	0.60	0.97	0.94	0.60	0.76	0.93	0.93	0.75	0.64	0.60	0.73	0.77	0.61	0.80	0.85	0.84	0.71	0.64	0.90	0.75	0.92	0.97	0.97
4	9	21	0.64	0.95	0.94	0.49	0.77	0.88	0.92	0.75	0.67	0.64	0.70	0.72	0.65	0.75	0.81	0.80	0.72	0.59	0.87	0.68	0.93	0.95	0.93
4	9	22	0.69	0.91	0.95	0.52	0.76	0.78	0.92	0.76	0.72	0.69	0.64	0.70	0.70	0.74	0.76	0.75	0.75	0.52	0.78	0.61	0.88	0.91	0.90
4	9	23	0.73	0.97	0.93	0.54	0.52	0.64	0.89	0.78	0.75	0.73	0.51	0.60	0.73	0.64	0.73	0.72	0.74	0.59	0.63	0.57	0.85	0.97	0.95
4	9	24	0.78	0.92	0.92	0.55	0.19	0.60	0.86	0.81	0.80	0.77	0.47	0.57	0.78	0.61	0.71	0.70	0.76	0.54	0.66	0.48	0.87	0.92	0.90
4	10	1	0.76	0.88	0.91	0.52	0.10	0.56	0.84	0.82	0.78	0.76	0.40	0.55	0.76	0.60	0.69	0.68	0.65	0.52	0.82	0.36	0.92	0.88	0.86
4	10	2	0.71	0.91	0.92	0.50	0.16	0.44	0.82	0.84	0.74	0.71	0.35	0.50	0.72	0.56	0.70	0.68	0.63	0.51	0.76	0.23	0.96	0.91	0.88
4	10	3	0.73	0.90	0.93	0.52	0.23	0.66	0.82	0.83	0.76	0.73	0.33	0.44	0.74	0.50	0.70	0.68	0.71	0.51	0.79	0.18	0.97	0.90	0.88
4	10	4	0.66	0.96	0.92	0.52	0.29	0.94	0.81	0.83	0.69	0.66	0.27	0.39	0.67	0.46	0.69	0.68	0.78	0.51	0.78	0.20	0.97	0.97	0.95
4	10	5	0.55	0.98	0.92	0.52	0.25	0.83	0.80	0.81	0.58	0.54	0.22	0.28	0.55	0.36	0.68	0.66	0.77	0.54	0.80	0.19	0.97	0.98	0.98
4	10	6	0.52	0.97	0.92	0.52	0.19	0.90	0.81	0.80	0.56	0.52	0.18	0.10	0.53	0.16	0.65	0.63	0.77	0.47	0.78	0.32	0.97	0.97	0.96
4	10	7	0.44	0.95	0.90	0.49	0.14	0.89	0.80	0.78	0.49	0.43	0.19	0.00	0.45	0.05	0.61	0.59	0.76	0.37	0.81	0.36	0.97	0.95	0.94
4	10	8	0.32	0.99	0.89	0.33	0.03	0.71	0.74	0.75	0.37	0.31	0.17	0.00	0.33	0.01	0.57	0.55	0.73	0.29	0.85	0.34	0.98	0.99	0.98
4	10	9	0.25	1.00	0.93	0.28	0.00	0.59	0.72	0.74	0.30	0.24	0.18	0.00	0.26	0.01	0.57	0.55	0.73	0.22	0.82	0.33	0.97	1.00	1.00
4	10	10	0.27	0.99	0.97	0.26	0.00	0.54	0.75	0.74	0.32	0.26	0.16	0.00	0.28	0.02	0.56	0.54	0.74	0.18	0.82	0.37	0.96	0.99	0.99
4	10	11	0.27	0.99	0.98	0.22	0.00	0.54	0.76	0.74	0.33	0.27	0.10	0.00	0.28	0.02	0.55	0.54	0.69	0.16	0.82	0.39	0.96	0.99	0.99
4	10	12	0.26	0.99	0.95	0.17	0.00	0.57	0.76	0.74	0.31	0.25	0.06	0.00	0.27	0.02	0.53	0.51	0.75	0.15	0.82	0.43	0.97	0.99	0.99
4	10	13	0.27	1.00	0.91	0.13	0.00	0.57	0.72	0.73	0.33	0.26	0.05	0.00	0.28	0.03	0.50	0.48	0.83	0.20	0.87	0.46	0.99	1.00	1.00
4	10	14	0.29	0.99	0.92	0.10	0.00	0.58	0.72	0.72	0.34	0.28	0.12	0.00	0.30	0.06	0.50	0.49	0.87	0.28	0.91	0.43	0.99	0.99	0.99
4	10	15	0.33	0.99	0.88	0.07	0.00	0.54	0.72	0.72	0.39	0.33	0.25	0.04	0.34	0.11	0.45	0.43	0.87	0.33	0.85	0.41	0.99	0.99	0.99
4	10	16	0.33	1.00	0.78	0.05	0.00	0.48	0.73	0.72	0.38	0.32	0.35	0.07	0.34	0.14	0.38	0.36	0.79	0.33	0.89	0.35	0.99	1.00	1.00
4	10	17	0.35	0.99	0.68	0.03	0.04	0.43	0.74	0.70	0.40	0.34	0.39	0.14	0.36	0.21	0.24	0.22	0.70	0.32	0.80	0.29	0.99	0.99	0.98
4	10	18	0.39	0.91	0.60	0.02	0.29	0.41	0.76	0.68	0.43	0.38	0.40	0.15	0.39	0.22	0.13	0.11	0.61	0.38	0.67	0.20	0.89	0.91	0.89
4	10	19	0.50	0.83	0.49	0.03	0.66	0.65	0.78	0.66	0.54	0.49	0.41	0.26	0.51	0.33	0.13	0.11	0.44	0.31	0.56	0.12	0.79	0.83	0.79
4	10	20	0.54	0.83	0.39	0.15	0.71	0.58	0.78	0.66	0.58	0.54	0.38	0.37	0.55	0.44	0.17	0.15	0.34	0.22	0.59	0.08	0.72	0.83	0.80
4	10	21	0.47	0.86	0.21	0.18	0.64	0.38	0.78	0.67	0.51	0.46	0.41	0.40	0.48	0.46	0.13	0.11	0.27	0.33	0.64	0.07	0.66	0.86	0.83
4	10	22	0.49	0.90	0.12	0.20	0.59	0.56	0.82	0.70	0.53	0.48	0.44	0.43	0.50	0.49	0.09	0.07	0.23	0.34	0.67	0.05	0.53	0.90	0.88
4	10	23	0.50	0.87	0.05	0.19	0.50	0.29	0.84	0.71	0.55	0.50	0.42	0.42	0.51	0.48	0.09	0.07	0.21	0.26	0.68	0.07	0.29	0.87	0.83
4	10	24	0.41	0.75	0.00	0.19	0.61	0.32	0.83	0.70	0.46	0.41	0.39	0.41	0.42	0.47	0.08	0.07	0.18	0.14	0.72	0.23	0.12	0.75	0.70
4	11	1	0.34	0.71	0.00	0.20	0.70	0.48	0.83	0.67	0.39	0.34	0.36	0.40	0.35	0.46	0.10	0.08	0.14	0.10	0.66	0.30	0.04	0.71	0.65
4	11	2	0.30	0.76	0.00	0.27	0.74	0.42	0.84	0.66	0.36	0.30	0.36	0.39	0.31	0.45	0.14	0.12	0.10	0.06	0.67	0.27	0.03	0.76	0.71
4	11	3	0.27	0.77	0.00	0.31	0.77	0.60	0.82	0.67	0.32	0.26	0.39	0.39	0.28	0.45	0.23	0.20	0.08	0.02	0.63	0.20	0.02	0.77	0.72
4	11	4	0.24	0.72	0.00	0.33	0.69	0.71	0.81	0.67	0.30	0.23	0.34	0.39	0.25	0.45	0.31	0.29	0.04	0.01	0.63	0.15	0.03	0.72	0.66
4	11	5	0.28	0.63	0.00	0.32	0.42	0.95	0.80	0.65	0.34	0.27	0.34	0.38	0.29	0.45	0.35	0.33	0.02	0.01	0.67	0.10	0.03	0.63	0.56
4	11	6	0.30	0.58	0.04	0.30	0.19	0.81	0.79	0.61	0.36	0.29	0.29	0.38	0.31	0.44	0.37	0.35	0.02	0.01	0.70	0.10	0.02	0.58	0.50
4	11	7	0.28	0.54	0.04	0.27	0.03	0.24	0.79	0.57	0.34	0.27	0.28	0.34	0.29	0.40	0.37	0.35	0.01	0.02	0.76	0.11	0.01	0.54	0.45
4	11	8	0.24	0.53	0.01	0.26	0.00	0.22	0.78	0.58	0.30	0.23	0.30	0.24	0.25	0.31	0.33	0.31	0.01	0.02	0.78	0.06	0.02	0.53	0.44
4	11	9	0.26	0.53	0.06	0.35	0.00	0.25	0.77	0.62	0.32	0.26	0.38	0.20	0.27	0.27	0.30	0.28	0.03	0.01	0.79	0.06	0.05	0.53	0.44
4	11	10	0.32	0.55	0.14	0.38	0.00	0.23	0.77	0.67	0.37	0.31	0.43	0.26	0.33	0.33	0.25	0.23	0.03	0.00	0.77	0.04	0.09	0.55	0.46
4	11	11	0.37	0.56	0.18	0.43	0.04	0.05	0.79	0.73	0.41	0.36	0.47	0.38	0.37	0.44	0.27	0.25	0.04	0.00	0.76	0.05	0.18	0.56	0.48
4	11	12	0.45	0.62	0.18	0.46	0.22	0.02	0.81	0.82	0.50	0.44	0.64	0.49	0.46	0.54	0.28	0.26	0.04	0.00	0.74	0.15	0.29	0.62	0.54
4	11	13	0.48	0.71	0.14	0.56	0.40	0.05	0.82	0.89	0.52	0.47	0.83	0.60	0.49	0.65	0.28	0.26	0.03	0.00	0.73	0.32	0.42	0.71	0.65
4	11	14	0.48	0.82	0.13	0.58	0.48	0.06	0.83	0.91	0.52	0.47	0.90	0.70	0.49	0.73	0.27	0.25	0.03	0.00	0.70	0.50	0.56	0.82	0.78
4	11	15	0.48	0.85	0.07	0.58	0.64	0.07	0.84	0.89	0.53	0.48	0.92	0.84	0.49	0.86	0.34	0.32	0.02	0.00	0.62	0.70	0.83	0.85	0.81
4	11	16	0.46	0.76	0.01	0.62	0.87	0.58	0.83	0.85	0.50	0.45	0.90	0.93	0.47	0.94	0.39	0.37	0.02	0.03	0.50	0.82	0.97	0.76	0.70
4	11	17	0.42	0.41	0.00	0.68	0.95	0.52	0.86	0.77	0.47	0.41	0.83	0.91	0.43	0.92	0.33	0.31	0.05	0.08	0.40	0.86	1.00	0.41	0.32
4	11	18	0.39	0.18	0.01	0.68	0.88	0.09	0.92	0.68	0.44	0.38	0.79	0.86	0.40	0.88	0.29	0.27	0.11	0.14	0.35	0.86	0.95	0.18	0.09
4	11	19	0.44	0.23	0.11	0.67	0.71	0.59	0.96	0.55	0.49	0.43	0.79	0.85	0.45	0.87	0.36	0.34	0.22	0.12	0.27	0.70	0.88	0.23	0.12
4	11	20	0.39	0.25	0.45	0.59	0.60	0.99	0.98	0.57	0.44	0.38	0.75	0.86	0.40	0.88	0.45	0.43	0.25	0.12	0.22	0.55	0.94	0.25	0.14
4	11	21	0.43	0.28	0.47	0.59	0.63	0.97	0.99	0.55	0.47	0.42	0.72	0.83	0.44	0.85	0.60	0.58	0.21	0.10	0.19	0.43	0.97	0.28	0.17
4	11	22	0.49	0.26	0.48	0.59	0.67	0.89	0.99	0.52	0.53	0.48	0.77	0.74	0.50	0.77	0.67	0.65	0.19	0.08	0.15	0.39	0.91	0.26	0.15
4	11	23	0.53	0.25	0.49	0.62	0.77	0.85	0.99	0.52	0.57	0.52	0.72	0.63	0.54	0.67	0.72	0.71	0.16	0.08	0.13	0.38	0.81	0.25	0.14
4	11	24	0.44	0.17	0.51	0.60	0.80	0.90	0.98	0.55	0.49	0.44	0.73	0.56	0.45	0.61	0.82	0.81	0.06	0.15	0.12	0.32	0.65	0.17	0.07
4	12	1	0.35	0.17	0.54	0.61	0.70	0.79	0.97	0.54	0.40	0.34	0.76	0.54	0.36	0.59	0.78	0.77	0.02	0.30	0.13	0.24	0.52	0.17	0.07
4	12	2	0.34	0.21	0.55	0.53	0.64	0.78	0.96	0.51	0.39	0.33	0.69	0.49	0.34	0.55	0.73	0.72	0.01	0.27	0.11	0.14	0.60	0.21	0.10
4	12	3	0.30	0.26	0.52	0.50	0.67	0.74	0.96	0.49	0.36	0.30	0.69	0.46	0.31	0.51	0.71	0.70	0.03	0.24	0.08	0.11	0.78	0.26	0.14
4	12	4	0.27	0.24	0.50	0.51	0.56	0.68	0.96	0.50	0.32	0.26	0.64	0.40	0.28	0.46	0.68	0.67	0.12	0.23	0.09	0.06	0.87	0.24	0.13
4	12	5	0.34	0.21	0.49	0.53	0.36	0.68	0.99	0.53	0.39	0.33	0.62	0.37	0.35	0.43	0.65	0.64	0.42	0.18	0.10	0.07	0.84	0.21	0.11
4	12	6	0.39	0.19	0.49	0.58	0.17	0.51	0.99	0.51	0.44	0.38	0.56	0.36	0.40	0.43	0.64	0.62	0.70	0.08	0.08	0.17	0.74	0.19	0.09

Month	Day	Hour	Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_f(	IID_Solar_f(	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
4	6	16	0.49	0.63	0.59	0.62	0.75	0.76	0.84	0.75	0.79	0.58	0.56	0.50	0.59	0.74	0.84	0.58	0.77	0.42	0.69	0.07	1.00	1.00	1.00
4	6	17	0.30	0.47	0.47	0.46	0.63	0.66	0.69	0.64	0.59	0.68	0.46	0.33	0.32	0.54	0.58	0.32	0.60	0.41	0.53	0.09	1.00	1.00	1.00
4	6	18	0.07	0.20	0.19	0.19	0.35	0.37	0.40	0.36	0.32	0.34	0.06	0.15	0.09	0.26	0.20	0.09	0.29	0.17	0.18	0.00	1.00	1.00	1.00
4	6	19	0.00	0.01	0.01	0.01	0.03	0.01	0.03	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	1.00	1.00	1.00
4	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.20	0.07	0.11	0.05	1.00	1.00	1.00
4	7	7	0.02	0.18	0.28	0.17	0.03	0.15	0.21	0.17	0.07	0.30	0.38	0.40	0.42	0.39	0.36	0.42	0.57	0.34	0.55	0.05	1.00	1.00	1.00
4	7	8	0.20	0.41	0.47	0.41	0.13	0.35	0.57	0.47	0.23	0.61	0.62	0.71	0.73	0.67	0.66	0.72	0.79	0.53	0.79	0.12	1.00	1.00	1.00
4	7	9	0.41	0.60	0.56	0.59	0.28	0.49	0.77	0.65	0.59	0.79	0.70	0.87	0.81	0.90	0.80	0.80	0.89	0.65	0.94	0.09	1.00	1.00	1.00
4	7	10	0.56	0.70	0.71	0.69	0.35	0.45	0.81	0.87	0.76	0.64	0.81	0.95	0.91	0.99	0.88	0.90	0.93	0.75	1.00	0.26	1.00	1.00	1.00
4	7	11	0.69	0.80	0.75	0.79	0.53	0.54	0.94	0.88	0.93	0.69	0.92	0.96	1.00	1.00	0.90	0.99	0.87	0.79	0.95	0.27	1.00	1.00	1.00
4	7	12	0.75	0.84	0.75	0.82	0.60	0.79	0.95	0.94	1.00	0.80	0.74	0.88	0.96	0.99	0.88	0.95	0.81	0.70	0.91	0.35	1.00	1.00	1.00
4	7	13	0.76	0.83	0.66	0.82	0.56	0.73	0.81	0.87	1.00	0.89	0.80	0.91	0.97	0.99	0.85	0.96	0.55	0.64	0.86	0.42	1.00	1.00	1.00
4	7	14	0.68	0.76	0.65	0.75	0.58	0.68	0.79	0.84	1.00	0.94	0.71	0.79	0.87	0.84	0.63	0.86	0.61	0.53	0.74	0.50	1.00	1.00	1.00
4	7	15	0.56	0.66	0.52	0.65	0.58	0.65	0.77	0.84	0.96	1.00	0.64	0.61	0.59	0.61	0.44	0.59	0.32	0.62	0.67	0.40	1.00	1.00	1.00
4	7	16	0.44	0.57	0.44	0.56	0.58	0.65	0.61	0.73	0.84	0.95	0.76	0.44	0.47	0.48	0.36	0.47	0.14	0.60	0.58	0.33	1.00	1.00	1.00
4	7	17	0.26	0.40	0.34	0.40	0.57	0.48	0.57	0.49	0.56	0.74	0.57	0.44	0.31	0.28	0.17	0.30	0.21	0.51	0.34	0.22	1.00	1.00	1.00
4	7	18	0.06	0.16	0.12	0.16	0.29	0.23	0.36	0.19	0.27	0.39	0.19	0.24	0.10	0.09	0.05	0.10	0.05	0.19	0.09	0.02	1.00	1.00	1.00
4	7	19	0.00	0.01	0.00	0.00	0.03	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
4	8	6	0.00	0.00	0.06	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.25	1.00	1.00	1.00
4	8	7	0.01	0.13	0.27	0.13	0.24	0.28	0.34	0.29	0.11	0.06	0.15	0.10	0.11	0.24	0.26	0.11	0.01	0.29	0.37	0.50	1.00	1.00	1.00
4	8	8	0.17	0.37	0.48	0.36	0.57	0.59	0.65	0.58	0.39	0.13	0.48	0.40	0.29	0.55	0.56	0.29	0.12	0.51	0.52	0.79	1.00	1.00	1.00
4	8	9	0.36	0.53	0.64	0.52	0.74	0.76	0.83	0.72	0.55	0.23	0.52	0.60	0.53	0.71	0.57	0.53	0.22	0.65	0.66	0.93	1.00	1.00	1.00
4	8	10	0.52	0.67	0.74	0.65	0.80	0.93	0.93	0.77	0.67	0.45	0.70	0.54	0.66	0.80	0.77	0.66	0.53	0.80	0.77	0.90	1.00	1.00	1.00
4	8	11	0.70	0.81	0.81	0.80	0.83	0.97	0.97	0.95	0.86	0.68	0.86	0.91	0.66	0.89	0.84	0.66	0.65	0.77	0.84	0.95	1.00	1.00	1.00
4	8	12	0.77	0.86	0.72	0.84	0.90	0.94	0.97	0.88	0.96	0.88	1.00	0.82	0.80	0.80	0.77	0.79	0.54	0.66	0.86	0.98	1.00	1.00	1.00
4	8	13	0.81	0.89	0.75	0.87	0.85	0.96	0.96	0.84	0.99	0.89	0.96	1.00	1.00	0.82	0.76	0.99	0.45	0.73	0.76	0.94	1.00	1.00	1.00
4	8	14	0.77	0.86	0.71	0.84	0.74	0.93	0.94	0.79	1.00	0.83	1.00	1.00	1.00	0.81	0.69	1.00	0.31	0.76	0.74	0.97	1.00	1.00	1.00
4	8	15	0.69	0.81	0.61	0.80	0.61	0.81	0.91	0.74	0.98	0.83	0.99	0.99	0.96	0.92	0.75	0.95	0.15	0.72	0.65	0.83	1.00	1.00	1.00
4	8	16	0.53	0.69	0.54	0.68	0.55	0.74	0.77	0.66	0.83	0.67	0.88	0.89	0.87	0.86	0.66	0.86	0.32	0.63	0.51	0.65	1.00	1.00	1.00
4	8	17	0.31	0.49	0.43	0.48	0.46	0.59	0.57	0.50	0.65	0.51	0.65	0.69	0.66	0.62	0.40	0.66	0.29	0.58	0.38	0.40	1.00	1.00	1.00
4	8	18	0.06	0.19	0.16	0.18	0.28	0.38	0.37	0.24	0.27	0.14	0.12	0.27	0.33	0.19	0.16	0.33	0.15	0.26	0.12	0.03	1.00	1.00	1.00
4	8	19	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
4	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
4	9	6	0.00	0.01	0.12	0.01	0.01	0.00	0.01	0.02	0.01	0.03	0.01	0.06	0.02	0.01	0.01	0.02	0.21	0.09	0.11	0.26	1.00	1.00	1.00
4	9	7	0.02	0.26	0.48	0.26	0.21	0.26	0.30	0.40	0.35	0.46	0.48	0.55	0.47	0.44	0.38	0.46	0.59	0.53	0.52	0.48	1.00	1.00	1.00
4	9	8	0.25	0.54	0.74	0.53	0.46	0.61	0.64	0.67	0.70	0.81	0.79	0.81	0.75	0.72	0.68	0.75	0.82	0.78	0.79	0.62	1.00	1.00	1.00
4	9	9	0.51	0.75	0.88	0.74	0.70	0.80	0.82	0.88	0.90	0.99	0.96	0.95	0.92	0.87	0.82	0.91	0.92	0.88	0.90	0.74	1.00	1.00	1.00
4	9	10	0.71	0.89	0.94	0.88	0.83	0.93	0.92	0.96	1.00	1.00	1.00	1.00	1.00	0.93	1.00	1.00	0.96	0.92	0.96	0.70	1.00	1.00	1.00
4	9	11	0.83	0.96	0.91	0.94	0.89	0.98	0.98	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.94	0.95	0.94	0.69	1.00	1.00	1.00
4	9	12	0.88	0.98	0.98	0.96	0.89	0.98	0.98	0.90	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.97	0.96	1.00	0.69	1.00	1.00	1.00
4	9	13	0.88	0.97	0.97	0.95	0.91	0.97	0.97	0.87	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.90	0.94	1.00	0.72	1.00	1.00	1.00
4	9	14	0.83	0.93	0.88	0.91	0.76	0.96	0.96	0.78	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.74	0.86	0.95	0.67	1.00	1.00	1.00
4	9	15	0.75	0.88	0.82	0.87	0.78	0.93	0.93	0.77	1.00	1.00	1.00	0.99	0.97	0.95	0.97	0.96	0.61	0.84	0.90	0.71	1.00	1.00	1.00
4	9	16	0.60	0.78	0.74	0.76	0.82	0.88	0.87	0.78	0.93	0.82	0.93	0.90	0.86	0.83	0.84	0.85	0.55	0.82	0.78	0.53	1.00	1.00	1.00
4	9	17	0.35	0.57	0.53	0.55	0.73	0.72	0.70	0.61	0.72	0.63	0.72	0.67	0.64	0.60	0.61	0.63	0.36	0.68	0.56	0.29	1.00	1.00	1.00
4	9	18	0.07	0.22	0.20	0.21	0.43	0.42	0.36	0.32	0.35	0.31	0.17	0.26	0.16	0.18	0.24	0.15	0.13	0.26	0.21	0.02	1.00	1.00	1.00
4	9	19	0.00	0.01	0.01	0.01	0.04	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	1.00	1.00	1.00
4	9	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	9	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
4	10	6	0.00	0.01	0.16	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.01	0.04	0.01	0.01	0.01	0.01	0.22	0.09	0.13	0.41	1.00	1.00	1.00
4	10	7	0.02	0.27	0.55	0.27	0.39	0.27	0.28	0.41	0.36	0.45	0.47	0.53	0.46	0.43	0.37	0.45	0.61	0.52	0.57	0.79	1.00	1.00	1.00
4	10	8	0.26	0.57	0.80	0.56	0.72	0.67	0.55	0.72	0.70	0.80	0.80	0.80	0.76	0.75	0.70	0.75	0.81	0.75	0.81	0.92	1.00	1.00	1.00
4	10	9	0.53	0.79	0.90	0.77	0.94	0.86	0.84	0.89	0.90	0.98	0.96	0.93	0.92	0.91	0.88	0.91	0.89	0.90	0.95	0.80	1.00	1.00	1.00
4	10	10	0.72	0.91	0.91	0.90	1.00	0.95	0.95	0.97	1.00	1.00	1.00	1.00	1.00	0.99	0.97	0.99	0.89	0.94	1.00	0.87	1.00	1.00	1.00
4	10	11	0.84	0.97	0.99	0.96	1.00	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88	0.93	1.00	1.00	1.00	1.00	1.00
4	10	12	0.91	1.00	1.00	0.98	1.00	0.99	0.99	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.95	1.00	1.00	1.00	1.00	1.00
4	10	13	0.91	1.00	1.00	0.98	1.00	0.97	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.86	0.95	1.00	1.00	1.00	1.00	1.00
4	10	14	0.87	0.97	1.00	0.96	0.98	0.95	0.95	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.96	1.00	1.00	1.00	1.00	1.00
4	10	15	0.77	0.90	0.99	0.89	0.86	0.85	0.91	0.96	1.00	1.00	1.00	1.00	0.97	0.96	0.96	0.96	0.93	0.90	0.96	1.00	1.00	1.00	1.00
4	10	16	0.59	0.77	0.89	0.75	0.61	0.72	0.83	0.89	0.92	0.96	0.91	0.91	0.86	0.85	0.86	0.85	0.89	0.86	0.84	0.83	1.00	1.00	1.00
4	10	17	0.34	0.55	0.64	0.54	0.48	0.47	0.67	0.67	0.73	0.78	0.68	0.69	0.67	0.63	0.63	0.66	0.69	0.71	0.58	0.50	1.00	1.00	1.00
4	10	18	0.06	0.19	0.26	0.18	0.23	0.22	0.34	0.31	0.32	0.33	0.29	0.14	0.21	0.20	0.19	0.21	0.42	0.25	0.22	0.04	1.00	1.00	1.00
4	10	19	0.00	0.01	0.02	0.00	0.03	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
4	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
4	11	6	0.00	0.01	0.11	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.09	0.03	0.02	0.01	0.03	0.09	0.06	0.10	0.41	1.00	1.00	1.00
4	11	7	0.02	0.22	0.39	0.22	0.01	0.01	0.08	0.22	0.33	0.48	0.51	0.57	0.49	0.45	0.46	0.49	0.37	0.32	0.51	0.82	1.00	1.00	1.00
4	11	8	0.21	0.43	0.61	0.42	0.08	0.04	0.11	0.30	0.61	0.82	0.80	0.83	0.78	0.77	0.76	0.77	0.55	0.55	0.77	1.00	1.00	1.00	1.00
4	11	9	0.40	0.57	0.66	0.56	0.16	0.15	0.29	0.23	0.57	1.00	0.97	0.97	0.94	0.94	0.92	0.93	0.63	0.56	0.95	1.00	1.00	1.00	1.00
4	11	10	0.53	0.66	0.74	0.64	0.22	0.49	0.23	0.17	0.56	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.77	0.64	1.00	1.00	1.00	1.00	1.00
4	11	11	0.65	0.74	0.73	0.73	0.25	0.75	0.44	0.25	0.57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.68	0.69	0.99	1.00	1.00	1.00	1.00
4	11	12	0.75	0.83	0.84	0.82	0.42	0.87	0.81	0.40	0.63	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.79	0.69	0.98	1.00	1.00	1.00	1.00
4	11	13	0.74	0.81	0.80	0.80	0.40	0.52	0.87	0.56	0.66	1.00	0.97	1.00	1.00	1.00	1.00	1.00	0.81	0.59	0.88	1.00	1.00	1.00	1.00
4	11	14	0.70	0.78	0.68	0.77	0.44	0.70	0.70	0.66	0.78	1.00	0.94	0.79	0.92	0.97	1.00	0.91	0.50	0.62	0.87	1.00	1.00	1.00	1.00
4	11	15	0.60	0.71	0.66	0.70	0.22	0.70	0.66	0.45	0.87	1.00	0.82	0.96	0.96	0.92	0.77	0.95	0.37	0.63	0.85	0.87	1.00	1.00	1.00
4	11	16	0.45	0.58	0.55	0.57	0.38	0.59	0.59	0.56	0.60	0.80	0.62	0.77	0.76	0.74	0.62	0.75	0.17	0.66	0.70	0.69	1.00	1.00	1.00
4	11	17	0.24	0.38	0.37	0.38	0.33	0.46	0.41	0.36	0.33	0.66	0.49	0.66	0.40	0.39	0.47	0.40	0.26	0.53	0.46	0.35	1.00	1.00	1.00
4	11	18	0.05	0.14	0.12	0.13	0.19	0.35	0.15	0.17	0.09	0.32	0.15	0.27	0.13	0.12	0.06	0.13	0.12	0.21	0.17	0.03	1.00	1.00	1.00
4	11	19	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
4	11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	11	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
4	12	6	0.00	0.02	0.07	0.02	0.03	0.01	0.02	0.02	0.01	0.00	0.02	0.10	0.05	0.03	0.01	0.05	0.09	0.04	0.11	0.18	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
			CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
4	12	7	0.41	0.23	0.47	0.56	0.03	0.83	0.99	0.47	0.45	0.40	0.68	0.37
4	12	8	0.44	0.32	0.42	0.53	0.00	0.81	0.98	0.53	0.49	0.44	0.70	0.45
4	12	9	0.58	0.44	0.41	0.61	0.05	0.80	0.97	0.64	0.62	0.58	0.69	0.55
4	12	10	0.68	0.56	0.40	0.63	0.24	0.95	0.98	0.79	0.71	0.68	0.78	0.64
4	12	11	0.72	0.59	0.36	0.59	0.36	0.98	0.99	0.90	0.74	0.72	0.77	0.77
4	12	12	0.75	0.62	0.32	0.50	0.36	1.00	1.00	0.92	0.78	0.75	0.80	0.85
4	12	13	0.80	0.68	0.30	0.43	0.36	1.00	1.00	0.91	0.82	0.80	0.93	0.85
4	12	14	0.88	0.83	0.34	0.39	0.33	1.00	1.00	0.92	0.89	0.88	0.95	0.86
4	12	15	0.88	0.88	0.41	0.37	0.26	1.00	1.00	0.92	0.89	0.88	0.85	0.90
4	12	16	0.91	0.90	0.46	0.33	0.18	1.00	0.99	0.92	0.91	0.90	0.92	0.91
4	12	17	0.93	0.91	0.53	0.30	0.10	1.00	0.99	0.94	0.94	0.93	0.72	0.96
4	12	18	0.92	0.81	0.58	0.27	0.08	0.99	0.98	0.94	0.93	0.92	0.70	0.96
4	12	19	0.91	0.61	0.63	0.34	0.17	0.98	0.97	0.94	0.92	0.91	0.76	0.91
4	12	20	0.88	0.57	0.67	0.37	0.33	0.87	0.97	0.92	0.89	0.88	0.86	0.92
4	12	21	0.81	0.58	0.63	0.35	0.29	0.90	0.98	0.89	0.83	0.81	0.90	0.93
4	12	22	0.77	0.59	0.56	0.35	0.14	0.92	0.96	0.88	0.80	0.77	0.82	0.85
4	12	23	0.69	0.67	0.56	0.35	0.03	0.91	0.90	0.88	0.72	0.69	0.66	0.76
4	12	24	0.67	0.83	0.62	0.36	0.00	0.95	0.84	0.85	0.70	0.67	0.59	0.70
4	13	1	0.67	0.80	0.65	0.36	0.00	0.83	0.83	0.75	0.70	0.67	0.55	0.74
4	13	2	0.64	0.68	0.59	0.37	0.00	0.71	0.79	0.67	0.67	0.63	0.55	0.78
4	13	3	0.70	0.68	0.47	0.35	0.00	0.33	0.74	0.63	0.73	0.69	0.61	0.79
4	13	4	0.69	0.68	0.38	0.35	0.00	0.18	0.72	0.53	0.71	0.68	0.75	0.77
4	13	5	0.63	0.68	0.32	0.37	0.00	0.49	0.65	0.41	0.66	0.62	0.83	0.76
4	13	6	0.56	0.54	0.26	0.39	0.00	0.38	0.58	0.28	0.60	0.56	0.89	0.76
4	13	7	0.52	0.45	0.20	0.36	0.00	0.16	0.50	0.19	0.56	0.51	0.91	0.66
4	13	8	0.61	0.53	0.14	0.17	0.00	0.06	0.38	0.16	0.64	0.60	0.92	0.60
4	13	9	0.69	0.70	0.14	0.12	0.00	0.06	0.28	0.32	0.72	0.69	0.94	0.62
4	13	10	0.66	0.79	0.14	0.11	0.00	0.05	0.21	0.40	0.69	0.65	0.93	0.64
4	13	11	0.54	0.82	0.14	0.10	0.00	0.05	0.16	0.31	0.58	0.53	0.91	0.60
4	13	12	0.43	0.93	0.13	0.10	0.00	0.03	0.17	0.13	0.48	0.43	0.89	0.47
4	13	13	0.36	0.98	0.13	0.10	0.00	0.02	0.16	0.01	0.41	0.35	0.81	0.37
4	13	14	0.26	0.99	0.13	0.10	0.00	0.01	0.17	0.00	0.32	0.25	0.71	0.30
4	13	15	0.21	0.98	0.12	0.11	0.00	0.02	0.19	0.00	0.27	0.20	0.56	0.20
4	13	16	0.16	0.97	0.11	0.14	0.01	0.02	0.26	0.00	0.22	0.15	0.41	0.17
4	13	17	0.15	0.87	0.09	0.21	0.09	0.05	0.31	0.01	0.21	0.14	0.34	0.20
4	13	18	0.26	0.78	0.07	0.34	0.35	0.11	0.39	0.09	0.31	0.25	0.41	0.21
4	13	19	0.43	0.71	0.04	0.55	0.63	0.11	0.44	0.30	0.48	0.43	0.47	0.15
4	13	20	0.46	0.65	0.03	0.54	0.71	0.48	0.45	0.34	0.51	0.45	0.43	0.16
4	13	21	0.31	0.58	0.11	0.50	0.77	0.75	0.46	0.31	0.36	0.30	0.41	0.23
4	13	22	0.15	0.50	0.27	0.49	0.78	0.60	0.46	0.29	0.20	0.14	0.26	0.27
4	13	23	0.04	0.41	0.49	0.54	0.73	0.66	0.44	0.24	0.09	0.03	0.12	0.17
4	13	24	0.00	0.39	0.60	0.60	0.69	0.75	0.46	0.19	0.05	0.00	0.06	0.07
4	14	1	0.00	0.32	0.53	0.58	0.70	0.40	0.49	0.12	0.04	0.00	0.03	0.02
4	14	2	0.00	0.45	0.31	0.50	0.70	0.61	0.45	0.05	0.03	0.00	0.02	0.00
4	14	3	0.00	0.56	0.21	0.43	0.69	0.74	0.43	0.02	0.01	0.00	0.00	0.00
4	14	4	0.00	0.50	0.14	0.43	0.62	0.69	0.47	0.00	0.02	0.00	0.00	0.00
4	14	5	0.00	0.35	0.09	0.45	0.49	0.54	0.47	0.00	0.05	0.00	0.00	0.00
4	14	6	0.03	0.26	0.08	0.46	0.35	0.62	0.45	0.01	0.08	0.02	0.00	0.00
4	14	7	0.04	0.22	0.12	0.39	0.23	0.28	0.47	0.02	0.10	0.03	0.00	0.00
4	14	8	0.05	0.28	0.12	0.25	0.09	0.20	0.46	0.05	0.11	0.04	0.01	0.00
4	14	9	0.12	0.25	0.18	0.20	0.01	0.15	0.44	0.19	0.18	0.11	0.06	0.00
4	14	10	0.22	0.24	0.28	0.20	0.00	0.12	0.40	0.35	0.28	0.22	0.13	0.00
4	14	11	0.42	0.25	0.35	0.17	0.00	0.10	0.42	0.48	0.47	0.41	0.25	0.02
4	14	12	0.49	0.26	0.46	0.16	0.00	0.06	0.46	0.63	0.54	0.49	0.38	0.06
4	14	13	0.60	0.26	0.56	0.18	0.02	0.03	0.47	0.70	0.64	0.60	0.44	0.18
4	14	14	0.75	0.26	0.60	0.19	0.01	0.35	0.56	0.75	0.78	0.75	0.47	0.36
4	14	15	0.91	0.30	0.70	0.18	0.06	0.51	0.68	0.75	0.92	0.91	0.57	0.53
4	14	16	0.95	0.33	0.75	0.16	0.29	0.88	0.72	0.71	0.96	0.95	0.68	0.56
4	14	17	0.96	0.37	0.77	0.16	0.41	0.78	0.76	0.70	0.96	0.96	0.73	0.57
4	14	18	0.95	0.39	0.77	0.17	0.21	0.84	0.82	0.69	0.95	0.95	0.77	0.59
4	14	19	0.89	0.47	0.81	0.17	0.09	0.90	0.92	0.68	0.91	0.89	0.85	0.72
4	14	20	0.74	0.53	0.81	0.25	0.03	0.89	0.96	0.64	0.76	0.73	0.92	0.80
4	14	21	0.61	0.56	0.84	0.24	0.08	0.87	0.97	0.63	0.64	0.60	0.95	0.73
4	14	22	0.54	0.67	0.86	0.33	0.22	0.61	0.98	0.68	0.57	0.53	0.93	0.79
4	14	23	0.51	0.72	0.85	0.43	0.20	0.42	0.98	0.72	0.55	0.50	0.94	0.84
4	14	24	0.54	0.68	0.87	0.48	0.12	0.71	0.98	0.71	0.58	0.53	0.92	0.81
4	15	1	0.52	0.70	0.87	0.52	0.07	0.56	0.94	0.78	0.56	0.51	0.85	0.82
4	15	2	0.44	0.70	0.78	0.60	0.10	0.45	0.93	0.78	0.48	0.43	0.84	0.87
4	15	3	0.34	0.65	0.73	0.71	0.20	0.56	0.94	0.82	0.39	0.33	0.87	0.83
4	15	4	0.43	0.62	0.68	0.80	0.22	0.72	0.96	0.86	0.48	0.42	0.88	0.76
4	15	5	0.41	0.61	0.68	0.84	0.26	0.71	0.95	0.89	0.46	0.40	0.87	0.70
4	15	6	0.40	0.59	0.65	0.86	0.30	0.71	0.95	0.90	0.45	0.40	0.90	0.71
4	15	7	0.44	0.36	0.50	0.86	0.35	0.77	0.92	0.88	0.48	0.43	0.82	0.73
4	15	8	0.42	0.21	0.32	0.89	0.58	0.66	0.91	0.87	0.46	0.41	0.70	0.79
4	15	9	0.43	0.18	0.17	0.92	0.78	0.94	0.91	0.87	0.48	0.42	0.68	0.76
4	15	10	0.40	0.21	0.06	0.92	0.85	0.89	0.91	0.86	0.45	0.39	0.75	0.75
4	15	11	0.39	0.26	0.00	0.92	0.91	0.82	0.94	0.89	0.44	0.38	0.74	0.85
4	15	12	0.39	0.39	0.00	0.92	0.92	0.68	0.96	0.93	0.43	0.38	0.78	0.88
4	15	13	0.65	0.53	0.00	0.90	0.91	0.76	0.95	0.92	0.69	0.65	0.80	0.82
4	15	14	0.63	0.63	0.00	0.90	0.89	0.87	0.96	0.92	0.66	0.62	0.79	0.90
4	15	15	0.56	0.72	0.00	0.90	0.88	0.90	0.97	0.92	0.60	0.56	0.82	0.88
4	15	16	0.43	0.82	0.00	0.90	0.88	0.91	0.97	0.91	0.47	0.42	0.78	0.89
4	15	17	0.40	0.83	0.00	0.88	0.88	0.94	0.93	0.84	0.45	0.39	0.89	0.92
4	15	18	0.29	0.78	0.00	0.86	0.88	0.89	0.86	0.82	0.34	0.28	0.90	0.92
4	15	19	0.27	0.79	0.02	0.87	0.94	0.79	0.84	0.86	0.32	0.26	0.90	0.91
4	15	20	0.45	0.73	0.11	0.82	0.97	0.98	0.85	0.87	0.50	0.45	0.85	0.86
4	15	21	0.38	0.63	0.13	0.81	0.96	1.00	0.85	0.84	0.43	0.38	0.76	0.85
4	15	22	0.34	0.54	0.12	0.80	0.96	0.91	0.87	0.80	0.39	0.33	0.70	0.82
4	15	23	0.27	0.49	0.14	0.79	0.97	0.82	0.85	0.76	0.32	0.26	0.66	0.83
4	15	24	0.30	0.43	0.14	0.77	0.97	0.77	0.79	0.67	0.36	0.30	0.56	0.75
4	16	1	0.30	0.39	0.10	0.74	0.97	0.43	0.68	0.58	0.35	0.29	0.46	0.75
4	16	2	0.28	0.31	0.08	0.70	0.97	0.27	0.57	0.52	0.34	0.28	0.45	0.67
4	16	3	0.22	0.23	0.05	0.63	0.95	0.27	0.50	0.38	0.28	0.21	0.41	0.63
4	16	4	0.09	0.21	0.04	0.63	0.90	0.39	0.48	0.28	0.14	0.08	0.36	0.57
4	16	5	0.08	0.16	0.02	0.58	0.82	0.56	0.45	0.22	0.14	0.07	0.34	0.52
4	16	6	0.07	0.12	0.00	0.55	0.72	0.33	0.33	0.12	0.12	0.06	0.29	0.44
4	16	7	0.00	0.13	0.00	0.48	0.58	0.33	0.18	0.01	0.04	0.00	0.26	0.34
4	16	8	0.00	0.14	0.00	0.38	0.40	0.08	0.09	0.00	0.01	0.00	0.23	0.19
4	16	9	0.08	0.14	0.00	0.27	0.13	0.10	0.03	0.00	0.14	0.08	0.19	0.03
4	16	10	0.16	0.13	0.00	0.25	0.01	0.07	0.01	0.00	0.22	0.15	0.16	0.00
4	16	11	0.16	0.14	0.00	0.21	0.00	0.03	0.00	0.00	0.22	0.15	0.15	0.00
4	16	12	0.14	0.22	0.00	0.14	0.00	0.02	0.00	0.00	0.20	0.13	0.15	0.00
4	16	13	0.16	0.39	0.04	0.08	0.00	0.02	0.00	0.02	0.22	0.15	0.16	0.00
4	16	14	0.22	0.41	0.12	0.03	0.00	0.04	0.00	0.04	0.28	0.21	0.21	0.02
4	16	15	0.13	0.48	0.21	0.01	0.00	0.04	0.00	0.04	0.18	0.12	0.27	0.03
4	16	16	0.18	0.64	0.38	0.02	0.02	0.04	0.00	0.07	0.24	0.17	0.24	0.08
4	16	17	0.15	0.50	0.56	0.05	0.15	0.05	0.01	0.26	0.21	0.14	0.20	0.12
4	16	18	0.25	0.40	0.69	0.10	0.45	0.05	0.05	0.50	0.31	0.24	0.20	0.11
4	16	19	0.32	0.33	0.72	0.21	0.68	0.04	0.11	0.68	0.38	0.32	0.32	0.21
4	16	20	0.34	0.27	0.54	0.37	0.81	0.07	0.14	0.67	0.39	0.33	0.26	0.21
4	16	21	0.32	0.25	0.51	0.43	0.87	0.16	0.15	0.68	0.36	0.31	0.21	0.09
4	16	22	0.42	0.25	0.51	0.43	0.89	0.19	0.19	0.70	0.47	0.41	0.30	0.02
4	16	23	0.44	0.29	0.54	0.46	0.90	0.25	0.20	0.70	0.48	0.43	0.41	0.04
4	16	24	0.36	0.32	0.59	0.54	0.91	0.24	0.21	0.67	0.41	0.35	0.41	0.05
4	17	1	0.29	0.35	0.65	0.48	0.87	0.18	0.16	0.57	0.35	0.29	0.32	0.10
4	17	2	0.26	0.33	0.69	0.45	0.87	0.25	0.12	0.52	0.31	0.25	0.27	0.15
4	17	3	0.27	0.26	0.69	0.49	0.89	0.27	0.09	0.50	0.32	0.26	0.23	0.24
4	17	4	0.29	0.31	0.64	0.48	0.91	0.12	0.07	0.51	0.35	0.28	0.19	0.20
4	17	5	0.23	0.41	0.59	0.46	0.94	0.09	0.07	0.54	0.28	0.22	0.16	0.10
4	17	6	0.23	0.52	0.52	0.45	0.95	0.13	0.06	0.52	0.29	0.22	0.15	0.08
4	17	7	0.25	0.54	0.37	0.42	0.91	0.20	0.05	0.44	0.30	0.24	0.15	0.14
4	17	8	0.25	0.62	0.27	0.38	0.86	0.16	0.07	0.40	0.31	0.24	0.17	0.13
4	17	9	0.32	0.70	0.24	0.44	0.83	0.41	0.11	0.45	0.37	0.31	0.27	0.07
4	17	10	0.42	0.73	0.15	0.53	0.83	0.43	0.12	0.54	0.47	0.41	0.33	0.04
4	17	11	0.48	0.72	0.10	0.58	0.82	0.49	0.16	0.61	0.53	0.48	0.48	0.06
4	17	12	0.50	0.50	0.09	0.64	0.84	0.48	0.21	0.68	0.54	0.49	0.62	0.13
4	17	13	0.53	0.45	0.09	0.64	0.91	0.62	0.38	0.76	0.56	0.52	0.69	0.32
4	17	14	0.67	0.50	0.08	0.73	0.97	0.93	0.65	0.82	0.70	0.67	0.72	0.41
4	17	15	0.82	0.49	0.11	0.81	0.99	0.97	0.80	0.85	0.84	0.82	0.73	0.54
4	17	16	0.86	0.48	0.24	0.83	0.99	0.98	0.87	0.87	0.87	0.86	0.77	0.58
4	17	17	0.84	0.44	0.49	0.81	0.99	0.99	0.93	0.88	0.86	0.84	0.82	0.59
4	17	18	0.79	0.41	0.61	0.81	0.97	0.99	0.95	0.84	0.81	0.79	0.87	0.62
4	17	19	0.74	0.50	0.57	0.72	0.93	0.99	0.97	0.79	0.76	0.73	0.92	0.70
4	17	20	0.70	0.63	0.58	0.76	0.88	0.88	0.99	0.78	0.73	0.69	0.95	0.71
4	17	21	0.60	0.60	0.60	0.75	0.80	0.97	0.99	0.79	0.63	0.59	0.92	0.67

Month	Day	Hour	Wind											Solar							
			Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
4	12	7	0.42	0.44	0.59	0.57	0.72	0.07	0.08	0.25	0.54	0.23	0.12	0.02	0.28	0.27	0.27	0.39	0.38	0.39	0.31
4	12	8	0.45	0.51	0.48	0.46	0.73	0.06	0.09	0.28	0.49	0.32	0.22	0.24	0.53	0.43	0.52	0.69	0.71	0.71	0.50
4	12	9	0.59	0.60	0.43	0.41	0.74	0.07	0.10	0.40	0.47	0.44	0.34	0.44	0.66	0.55	0.65	0.85	0.87	0.87	0.61
4	12	10	0.69	0.68	0.38	0.36	0.72	0.15	0.12	0.43	0.56	0.56	0.47	0.59	0.75	0.66	0.74	0.89	0.90	0.97	0.70
4	12	11	0.72	0.80	0.33	0.31	0.66	0.33	0.14	0.39	0.73	0.59	0.50	0.66	0.76	0.67	0.75	0.88	1.00	1.00	0.77
4	12	12	0.76	0.87	0.31	0.29	0.62	0.59	0.17	0.34	0.85	0.62	0.54	0.66	0.73	0.70	0.71	0.96	1.00	1.00	0.88
4	12	13	0.80	0.87	0.30	0.28	0.64	0.71	0.19	0.41	0.95	0.68	0.61	0.66	0.72	0.59	0.70	0.98	0.99	1.00	0.85
4	12	14	0.88	0.87	0.31	0.29	0.67	0.78	0.20	0.48	0.96	0.83	0.78	0.68	0.75	0.55	0.74	1.00	0.98	0.99	0.85
4	12	15	0.88	0.91	0.34	0.31	0.67	0.86	0.20	0.52	0.94	0.88	0.85	0.69	0.81	0.47	0.79	0.95	0.96	0.96	0.89
4	12	16	0.91	0.92	0.34	0.32	0.68	0.93	0.23	0.59	0.87	0.90	0.87	0.54	0.71	0.48	0.69	0.95	0.90	0.88	0.77
4	12	17	0.93	0.96	0.37	0.35	0.72	0.71	0.31	0.76	0.76	0.91	0.88	0.35	0.56	0.32	0.55	0.85	0.76	0.74	0.67
4	12	18	0.92	0.97	0.39	0.37	0.71	0.65	0.34	0.68	0.56	0.81	0.77	0.08	0.22	0.16	0.21	0.55	0.45	0.39	0.38
4	12	19	0.91	0.92	0.40	0.38	0.69	0.59	0.37	0.62	0.39	0.61	0.54	0.00	0.01	0.00	0.01	0.09	0.01	0.00	0.02
4	12	20	0.88	0.93	0.40	0.38	0.75	0.54	0.34	0.59	0.34	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12	21	0.82	0.94	0.39	0.37	0.77	0.54	0.30	0.55	0.13	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12	22	0.78	0.87	0.40	0.38	0.86	0.56	0.25	0.54	0.19	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12	23	0.70	0.78	0.36	0.34	0.88	0.72	0.19	0.60	0.23	0.67	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	12	24	0.68	0.73	0.35	0.33	0.83	0.80	0.15	0.69	0.16	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	1	0.68	0.77	0.33	0.30	0.74	0.81	0.11	0.75	0.17	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	2	0.64	0.81	0.36	0.33	0.66	0.73	0.08	0.80	0.28	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	3	0.70	0.81	0.40	0.38	0.57	0.67	0.05	0.77	0.41	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	4	0.69	0.80	0.44	0.42	0.46	0.59	0.03	0.73	0.40	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	5	0.63	0.78	0.46	0.45	0.30	0.47	0.02	0.69	0.45	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	6	0.57	0.79	0.49	0.47	0.17	0.40	0.02	0.67	0.62	0.54	0.45	0.00	0.02	0.13	0.02	0.03	0.01	0.01	0.03
4	13	7	0.53	0.70	0.44	0.42	0.06	0.38	0.01	0.64	0.52	0.45	0.36	0.02	0.30	0.45	0.30	0.44	0.32	0.26	0.44
4	13	8	0.61	0.64	0.33	0.31	0.02	0.35	0.01	0.69	0.62	0.52	0.44	0.27	0.60	0.67	0.59	0.77	0.68	0.62	0.74
4	13	9	0.70	0.67	0.29	0.27	0.01	0.36	0.01	0.67	0.73	0.70	0.63	0.54	0.81	0.79	0.79	0.94	0.84	0.85	0.91
4	13	10	0.66	0.68	0.27	0.25	0.01	0.48	0.02	0.59	0.77	0.79	0.74	0.73	0.92	0.86	0.91	0.97	0.95	0.95	0.97
4	13	11	0.55	0.64	0.27	0.25	0.01	0.60	0.04	0.56	0.74	0.82	0.79	0.86	0.99	0.88	0.97	1.00	0.98	0.98	1.00
4	13	12	0.44	0.53	0.27	0.25	0.01	0.63	0.05	0.54	0.69	0.93	0.91	0.91	1.00	0.91	0.99	1.00	0.98	0.97	0.99
4	13	13	0.37	0.44	0.28	0.26	0.01	0.55	0.06	0.42	0.71	0.98	0.98	0.92	1.00	0.90	0.98	1.00	0.97	0.96	0.98
4	13	14	0.27	0.37	0.29	0.27	0.02	0.49	0.06	0.32	0.74	0.99	0.99	0.87	0.97	0.89	0.95	0.98	0.96	0.94	0.97
4	13	15	0.22	0.27	0.31	0.29	0.04	0.45	0.04	0.24	0.76	0.98	0.98	0.77	0.92	0.87	0.90	0.92	0.91	0.92	0.94
4	13	16	0.17	0.25	0.34	0.31	0.04	0.39	0.03	0.23	0.65	0.98	0.96	0.59	0.78	0.77	0.76	0.74	0.75	0.84	0.85
4	13	17	0.16	0.27	0.32	0.30	0.05	0.33	0.02	0.22	0.49	0.87	0.84	0.33	0.52	0.60	0.51	0.43	0.42	0.59	0.67
4	13	18	0.27	0.28	0.28	0.26	0.05	0.30	0.01	0.22	0.38	0.78	0.74	0.05	0.16	0.29	0.16	0.25	0.19	0.21	0.36
4	13	19	0.44	0.23	0.36	0.34	0.10	0.33	0.01	0.22	0.35	0.71	0.65	0.00	0.01	0.01	0.01	0.03	0.00	0.00	0.02
4	13	20	0.47	0.23	0.46	0.45	0.18	0.28	0.00	0.31	0.25	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	21	0.32	0.31	0.59	0.58	0.25	0.21	0.00	0.30	0.26	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	22	0.16	0.35	0.64	0.63	0.30	0.10	0.01	0.17	0.23	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	23	0.05	0.24	0.61	0.60	0.31	0.03	0.05	0.11	0.17	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	24	0.01	0.15	0.53	0.51	0.35	0.01	0.13	0.13	0.09	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	1	0.00	0.09	0.48	0.46	0.40	0.00	0.27	0.19	0.02	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	2	0.00	0.05	0.43	0.41	0.46	0.01	0.48	0.21	0.00	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	3	0.00	0.03	0.45	0.43	0.49	0.03	0.61	0.21	0.01	0.56	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	4	0.00	0.01	0.49	0.47	0.52	0.02	0.69	0.21	0.01	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	5	0.01	0.00	0.52	0.50	0.54	0.04	0.75	0.21	0.00	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	6	0.04	0.00	0.49	0.47	0.55	0.06	0.74	0.22	0.00	0.26	0.16	0.00	0.01	0.16	0.01	0.00	0.00	0.00	0.00
4	14	7	0.05	0.01	0.44	0.42	0.47	0.06	0.69	0.22	0.00	0.22	0.12	0.02	0.13	0.45	0.13	0.01	0.01	0.01	0.04
4	14	8	0.06	0.02	0.38	0.36	0.34	0.03	0.70	0.21	0.00	0.28	0.16	0.17	0.32	0.64	0.31	0.03	0.08	0.04	0.10
4	14	9	0.13	0.01	0.34	0.32	0.40	0.04	0.72	0.30	0.00	0.25	0.14	0.31	0.44	0.80	0.43	0.03	0.19	0.20	0.28
4	14	10	0.23	0.04	0.29	0.27	0.43	0.11	0.69	0.47	0.01	0.24	0.13	0.38	0.47	0.76	0.46	0.04	0.16	0.25	0.26
4	14	11	0.43	0.09	0.27	0.24	0.35	0.27	0.62	0.62	0.03	0.25	0.14	0.44	0.51	0.81	0.50	0.09	0.22	0.32	0.30
4	14	12	0.50	0.13	0.29	0.27	0.31	0.41	0.51	0.76	0.06	0.26	0.15	0.52	0.58	0.82	0.57	0.12	0.25	0.20	0.31
4	14	13	0.61	0.25	0.28	0.26	0.30	0.52	0.43	0.85	0.09	0.26	0.15	0.46	0.51	0.83	0.50	0.11	0.26	0.21	0.28
4	14	14	0.76	0.42	0.28	0.26	0.31	0.59	0.37	0.93	0.12	0.26	0.15	0.39	0.44	0.82	0.43	0.16	0.25	0.21	0.22
4	14	15	0.91	0.58	0.28	0.26	0.31	0.68	0.31	0.96	0.13	0.30	0.19	0.29	0.34	0.70	0.33	0.19	0.19	0.29	0.15
4	14	16	0.95	0.61	0.32	0.30	0.52	0.81	0.26	0.98	0.18	0.33	0.22	0.21	0.26	0.50	0.26	0.23	0.24	0.26	0.21
4	14	17	0.96	0.61	0.41	0.39	0.65	0.85	0.23	0.98	0.33	0.37	0.27	0.14	0.21	0.31	0.20	0.14	0.26	0.29	0.16
4	14	18	0.95	0.63	0.48	0.46	0.59	0.74	0.22	0.95	0.50	0.39	0.29	0.03	0.09	0.11	0.09	0.09	0.08	0.23	0.15
4	14	19	0.90	0.75	0.58	0.57	0.48	0.56	0.27	0.84	0.72	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	20	0.74	0.82	0.69	0.68	0.38	0.54	0.34	0.69	0.80	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	21	0.61	0.76	0.74	0.73	0.36	0.59	0.38	0.58	0.75	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	22	0.54	0.82	0.74	0.73	0.43	0.56	0.45	0.54	0.61	0.67	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	23	0.52	0.86	0.70	0.69	0.56	0.56	0.47	0.54	0.49	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	14	24	0.55	0.83	0.65	0.64	0.75	0.51	0.44	0.56	0.33	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	1	0.52	0.84	0.64	0.62	0.79	0.44	0.40	0.56	0.25	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	2	0.45	0.89	0.63	0.61	0.80	0.32	0.35	0.58	0.25	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	3	0.35	0.85	0.67	0.65	0.72	0.19	0.36	0.59	0.31	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	4	0.44	0.78	0.67	0.66	0.65	0.16	0.36	0.63	0.32	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	5	0.42	0.73	0.65	0.64	0.67	0.11	0.31	0.58	0.36	0.60	0.53	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	15	6	0.41	0.74	0.60	0.58	0.75	0.09	0.27	0.53	0.41	0.59	0.50	0.00	0.02	0.11	0.02	0.02	0.02	0.02	0.00
4	15	7	0.44	0.76	0.45	0.43	0.77	0.04	0.20	0.47	0.47	0.36	0.25	0.02	0.23	0.28	0.22	0.33	0.41	0.34	0.05
4	15	8	0.43	0.82	0.34	0.31	0.79	0.01	0.15	0.48	0.64	0.21	0.11	0.21	0.46	0.42	0.45	0.65	0.72	0.65	0.26
4	15	9	0.44	0.78	0.27	0.25	0.82	0.01	0.13	0.48	0.79	0.18	0.08	0.45	0.67	0.53	0.66	0.81	0.87	0.88	0.43
4	15	10	0.41	0.77	0.24	0.22	0.82	0.02	0.10	0.45	0.87	0.21	0.10	0.61	0.76	0.59	0.75	0.95	0.92	0.97	0.48
4	15	11	0.40	0.87	0.23	0.21	0.81	0.03	0.07	0.50	0.93	0.26	0.15	0.65	0.75	0.70	0.73	1.00	0.98	0.99	0.62
4	15	12	0.40	0.90	0.23	0.20	0.81	0.18	0.06	0.55	0.95	0.39	0.29	0.71	0.78	0.72	0.77	1.00	0.98	1.00	0.60
4	15	13	0.66	0.83	0.22	0.19	0.80	0.30	0.07	0.61	0.99	0.53	0.44	0.67	0.73	0.66	0.72	1.00	0.98	0.99	0.51
4	15	14	0.63	0.92	0.22	0.19	0.80	0.43	0.09	0.63	0.98	0.63	0.55	0.62	0.69	0.66	0.68	1.00	0.97	0.97	0.55
4	15	15	0.57	0.89	0.21	0.19	0.82	0.33	0.13	0.63	0.96	0.72	0.67	0.52	0.62	0.61	0.61	1.00	0.94	0.95	0.43
4	15	16	0.44	0.90	0.20	0.18	0.86	0.28	0.16	0.52	0.93	0.82	0.77	0.39	0.51	0.56	0.50	0.99	0.89	0.88	0.60
4	15	17	0.41	0.93	0.20	0.17	0.91	0.21	0.17	0.52	0.86	0.83	0.79	0.27	0.44	0.41	0.43	0.86	0.75	0.74	0.53
4	15	18	0.29	0.93	0.19	0.17	0.90	0.14	0.28	0.47	0.63	0.78	0.74	0.07	0.19	0.18	0.19	0.53	0.44	0.44	0.36
4	15	19	0.28	0.92	0.21	0.18	0.87	0.16	0.51	0.37	0.36	0.79	0.74	0.00	0.02	0.01	0.02	0.14	0.08	0.07	0.04
4	15	20	0.46	0.88	0.23	0.21	0.90	0.12	0.49	0.27	0.42	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	21	0.39	0.87	0.22	0.20	0.91	0.11	0.35	0.28	0.43	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	22	0.35	0.84	0.19	0.16	0.90	0.09	0.35	0.22	0.39	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	23	0.28	0.85	0.15	0.13	0.88	0.08	0.46	0.19	0.26	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	15	24	0.31	0.77	0.10	0.08	0.87	0.15	0.65	0.12	0.12	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	1	0.31	0.78	0.07	0.05	0.86	0.20	0.63	0.11	0.06	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	2	0.29	0.71	0.06	0.04	0.84	0.22	0.64	0.10	0.02	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	3	0.23	0.67	0.05	0.04	0.77	0.19	0.65	0.10	0.00	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	4	0.10	0.62	0.06	0.05	0.67	0.17	0.62	0.13	0.00	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	5	0.09	0.57	0.08	0.06	0.48	0.14	0.61	0.12	0.00	0.16	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	16	6	0.08	0.50	0.11	0.09	0.32	0.12	0.56	0.07	0.00	0.12	0.03	0.00	0.01	0.18	0.01	0.05	0.02	0.01	0.03
4	16	7	0.00	0.41	0.12	0.10	0.17	0.02	0.49	0.08	0.00	0.13	0.04	0.01	0.18	0.50	0.17	0.49	0.37	0.39	0.47
4	16	8	0.01	0.27	0.11	0.09	0.08	0.00	0.41	0.12	0.00	0.14	0.04	0.17	0.40	0.72	0.39	0.81	0.71	0.71	0.76
4	16	9	0.09	0.09	0.14	0.12	0.04	0.00	0.31	0.14	0.00	0.14	0.05	0.39	0.60	0.94	0.58	0.96	0.87	0.87	0.92
4	16	10	0.17	0.05	0.18	0.16	0.03	0.01	0.23	0.13	0.01	0.13	0.04	0.61	0.77	1.00	0.75	1.00	0.95	0.95	0.99
4	16	11	0.17	0.06	0.23	0.21	0.02	0.01	0.20	0.10	0.02	0.14	0.05	0.75	0.87	0.95	0.85	1.00	0.97	0.97	1.00
4	16	12	0.15	0.07	0.28	0.26	0.02	0.02	0.22	0.07	0.01	0.22	0.12	0.83	0.91	0.97	0.89	1.00	0.97	0.97	1.00
4	16	13	0.17	0.07	0.32	0.30	0.03	0.12	0.26	0.05	0.00	0.39	0.27	0.88	0.96	0.85	0.94	1.00	0.96	0.96	0.99
4	16	14	0.23	0.09	0.37	0.35	0.03	0.19	0.29	0.06	0.00	0.41	0.31	0.81	0.91	0.78	0.89	1.00	0.94	0.94	0.99
4	16	15	0.14	0.10	0.40	0.38	0.05	0.39	0.31	0.10	0.00	0.48	0.39	0.76	0.90	0.76	0.89	0.97	0.92	0.92	0.93
4	16	16	0.19	0.15	0.44	0.42	0.06	0.25	0.31	0.13	0.01	0.64	0.55	0.61	0.80	0.66	0.79	0.87	0.87	0.86	0.90
4	16	17	0.16	0.20	0.46	0.44	0.08	0.08	0.30	0.14	0.05	0.50	0.41	0.37	0.61	0.52	0.60	0.76	0.73	0.72	0.73
4	16	18	0.26	0.18	0.48	0.47	0.11	0.03	0.27	0.16	0.08	0.40	0.29	0.08	0.24	0.24	0.24	0.43	0.45	0.36	0.39
4	16	19	0.33	0.29	0.52	0.51	0.18	0.02	0.28	0.15	0.11	0.33	0.22	0.00	0.02	0.02	0.02	0.11	0.10	0.04	0.04
4	16	20	0.34	0.29	0.46	0.44	0.17	0.02	0.31	0.11	0.11	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	21	0.32	0.16	0.38	0.36	0.20	0.02	0.34	0.09	0.23	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	22	0.43	0.09	0.33	0.31	0.24	0.02	0.37	0.07	0.53	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	23	0.45	0.11	0.29	0.27	0.35	0.01	0.36	0.09	0.66	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	16	24	0.37	0.12	0.28	0.25	0.41	0.00	0.28	0.12	0.64	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	1	0.30	0.18	0.29	0.26	0.52	0.00	0.25	0.12	0.67	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	2	0.27	0.22	0.31	0.29	0.59	0.01	0.26	0.12	0.78	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	3	0.28	0.32	0.34	0.31	0.67	0.05	0.27	0.11	0.82	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	4	0.30	0.28	0.41	0.39	0.68	0.11	0.27	0.11	0.83	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	5	0.24	0.17	0.44	0.42	0.66	0.17	0.25	0.08	0.78	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	6	0.24	0.14	0.44	0.42	0.64	0.18	0.18	0.04	0.67	0.52	0.43	0.00	0.03	0.22	0.03	0.01	0.01	0.01	0.04
4	17	7	0.26	0.22	0.42	0.40	0.52	0.13	0.12	0.01	0.44	0.54	0.46	0.03	0.30	0.55	0.30	0.23	0.30	0.37	0.46
4	17	8	0.26	0.21	0.38	0.36	0.23	0.11	0.11	0.01	0.40	0.62	0.54	0.26	0.57	0.82	0.56	0.43	0.60	0.70	0.75
4	17	9	0.33	0.14	0.30	0.28	0.13	0.12	0.09	0.05	0.32	0.70	0.63	0.52	0.77	0.95	0.76	0.60	0.84	0.86	0.89
4	17	10	0.43	0.11	0.24	0.22	0.08	0.12	0.05	0.12	0.21	0.73	0.67	0.71	0.89	0.96	0.88	0.74	0.92	0.94	0.93
4	17	11	0.49	0.13	0.20	0.18	0.09	0.14	0.03	0.23	0.16	0.72	0.65	0.79	0.92	1.00	0.90	0.57	0.88	0.96	0.96
4	17	12	0.51	0.20	0.17	0.15	0.15	0.19	0.05	0.37	0.14	0.50	0.42	0.83	0.92	1.00	0.91	0.39	0.88	0.91	0.98
4	17	13	0.53	0.39	0.19	0.16	0.19	0.27	0.08	0.50	0.17	0.45	0.36	0.85	0.93	0.97	0.91	0.47	0.84	0.96	0.93
4	17	14	0.68	0.47	0.19	0.17	0.26	0.39	0.10	0.65	0.21	0.50	0.40	0.80	0.90	0.92	0.88	0.36	0.94	0.89	0.88
4	17	15	0.82	0.59	0.20	0.17	0.39	0.63	0.16	0.75	0.21	0.49	0.39	0.69	0.82	0.88	0.81	0.27	0.80	0.84	0.74
4	17	16	0.86	0.63	0.24	0.21	0.43	0.88	0.20	0.88	0.20	0.48	0.38	0.54	0.71	0.82	0.69	0.17	0.82	0.64	0.68
4	17	17	0.84	0.63	0.25	0.23	0.29	0.98	0.28	0.96	0.37	0.44	0.34	0.32	0.51	0.60	0.50	0.17	0.56	0.51	0.45
4	17	18	0.79	0.66	0.34	0.32	0.22	0.99	0.36	0.94	0.67	0.41	0.32	0.07	0.21	0.22	0.20	0.14	0.43	0.35	0.27
4	17	19	0.74	0.73	0.43	0.41	0.11	0.98	0.46	0.95	0.89	0.50	0.40	0.00	0.01	0.02	0.01	0.03	0.08	0.04	0.02
4	17	20	0.70	0.74	0.57	0.55	0.04	0.96	0.52	0.97	0.89	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	17	21	0.60	0.70	0.72	0.71	0.05	0.96	0.49	0.97	0.87	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar												Geothermal	Biomass	Small Hydro
			Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
4	12	7	0.37	0.29	0.45	0.60	0.52	0.45	0.37	0.52	0.20	0.21	0.45	0.57	1.00	1.00	1.00
4	12	8	0.72	0.64	0.65	0.75	0.74	0.77	0.55	0.74	0.23	0.39	0.68	0.87	1.00	1.00	1.00
4	12	9	0.91	0.73	0.77	0.36	0.86	0.90	0.74	0.85	0.25	0.44	0.88	1.00	1.00	1.00	1.00
4	12	10	1.00	1.00	0.71	0.40	0.63	0.86	0.94	0.63	0.32	0.50	0.96	0.99	1.00	1.00	1.00
4	12	11	1.00	0.62	0.57	0.71	0.58	0.78	0.88	0.58	0.42	0.56	0.98	0.83	1.00	1.00	1.00
4	12	12	1.00	0.74	0.59	0.54	0.58	0.30	0.55	0.57	0.63	0.64	0.81	0.77	1.00	1.00	1.00
4	12	13	1.00	0.85	0.66	0.37	0.59	0.06	0.61	0.58	0.58	0.64	0.77	0.68	1.00	1.00	1.00
4	12	14	1.00	1.00	0.79	0.37	0.78	0.36	0.28	0.77	0.67	0.60	0.55	0.74	1.00	1.00	1.00
4	12	15	1.00	1.00	1.00	0.65	0.77	0.56	0.48	0.76	0.48	0.59	0.47	0.65	1.00	1.00	1.00
4	12	16	0.97	1.00	0.93	0.38	0.72	0.74	0.35	0.71	0.44	0.64	0.44	0.48	1.00	1.00	1.00
4	12	17	0.77	0.82	0.73	0.36	0.48	0.54	0.60	0.48	0.38	0.53	0.28	0.28	1.00	1.00	1.00
4	12	18	0.37	0.40	0.31	0.00	0.04	0.10	0.18	0.04	0.22	0.29	0.09	0.02	1.00	1.00	1.00
4	12	19	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
4	12	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	12	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	6	0.02	0.01	0.04	0.13	0.04	0.03	0.02	0.04	0.27	0.14	0.12	0.06	1.00	1.00	1.00
4	13	7	0.39	0.49	0.54	0.59	0.52	0.48	0.49	0.52	0.63	0.59	0.45	0.14	1.00	1.00	1.00
4	13	8	0.73	0.84	0.84	0.85	0.81	0.75	0.76	0.80	0.84	0.82	0.66	0.25	1.00	1.00	1.00
4	13	9	0.91	1.00	0.99	0.99	0.96	0.92	0.93	0.96	0.95	0.95	0.83	0.36	1.00	1.00	1.00
4	13	10	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.97	0.98	0.89	0.45	1.00	1.00	1.00
4	13	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.96	0.98	0.39	1.00	1.00	1.00
4	13	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.99	0.94	0.34	1.00	1.00	1.00
4	13	13	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.95	0.96	0.97	0.33	1.00	1.00	1.00
4	13	14	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.90	0.98	0.90	0.39	1.00	1.00	1.00
4	13	15	1.00	1.00	1.00	1.00	0.99	1.00	0.93	0.98	0.96	0.94	0.93	0.30	1.00	1.00	1.00
4	13	16	0.94	0.86	0.94	0.92	0.87	0.89	0.84	0.87	0.88	0.88	0.85	0.17	1.00	1.00	1.00
4	13	17	0.74	0.62	0.71	0.65	0.67	0.67	0.64	0.67	0.74	0.67	0.62	0.17	1.00	1.00	1.00
4	13	18	0.31	0.18	0.29	0.18	0.16	0.16	0.08	0.16	0.42	0.37	0.26	0.01	1.00	1.00	1.00
4	13	19	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
4	13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	13	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
4	14	6	0.00	0.01	0.00	0.06	0.03	0.03	0.02	0.03	0.16	0.08	0.20	0.44	1.00	1.00	1.00
4	14	7	0.03	0.32	0.23	0.29	0.32	0.41	0.43	0.32	0.56	0.32	0.59	0.85	1.00	1.00	1.00
4	14	8	0.18	0.59	0.63	0.70	0.59	0.72	0.70	0.59	0.81	0.54	0.85	1.00	1.00	1.00	1.00
4	14	9	0.18	0.63	0.77	0.76	0.71	0.86	0.87	0.71	0.87	0.69	0.96	1.00	1.00	1.00	1.00
4	14	10	0.10	0.74	0.82	0.72	0.73	0.92	0.94	0.73	0.82	0.69	1.00	1.00	1.00	1.00	1.00
4	14	11	0.21	0.46	0.80	0.70	0.88	0.98	0.94	0.87	0.86	0.71	1.00	1.00	1.00	1.00	1.00
4	14	12	0.34	0.59	0.89	0.96	1.00	1.00	0.99	1.00	0.90	0.67	1.00	1.00	1.00	1.00	1.00
4	14	13	0.14	0.47	0.52	0.93	0.88	1.00	0.95	0.87	0.85	0.53	1.00	1.00	1.00	1.00	1.00
4	14	14	0.19	0.38	0.62	0.73	0.65	0.83	0.83	0.64	0.74	0.51	0.97	1.00	1.00	1.00	1.00
4	14	15	0.23	0.25	0.48	0.31	0.45	0.71	0.70	0.45	0.53	0.41	0.90	1.00	1.00	1.00	1.00
4	14	16	0.40	0.07	0.32	0.19	0.32	0.33	0.59	0.32	0.35	0.25	0.81	0.91	1.00	1.00	1.00
4	14	17	0.48	0.22	0.17	0.10	0.16	0.27	0.40	0.16	0.21	0.18	0.54	0.56	1.00	1.00	1.00
4	14	18	0.26	0.20	0.10	0.09	0.04	0.01	0.10	0.04	0.06	0.13	0.21	0.07	1.00	1.00	1.00
4	14	19	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
4	14	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	14	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
4	15	6	0.00	0.00	0.01	0.17	0.07	0.05	0.02	0.07	0.00	0.02	0.15	0.48	1.00	1.00	1.00
4	15	7	0.12	0.23	0.24	0.61	0.51	0.50	0.34	0.51	0.06	0.11	0.54	0.84	1.00	1.00	1.00
4	15	8	0.22	0.27	0.58	0.86	0.82	0.76	0.68	0.81	0.09	0.25	0.77	1.00	1.00	1.00	1.00
4	15	9	0.54	0.62	0.58	1.00	0.95	0.95	0.87	0.94	0.18	0.39	0.94	1.00	1.00	1.00	1.00
4	15	10	0.68	0.75	0.56	1.00	0.96	1.00	0.81	0.95	0.24	0.44	1.00	1.00	1.00	1.00	1.00
4	15	11	0.72	0.34	0.61	0.97	0.91	0.73	0.73	0.91	0.31	0.40	1.00	1.00	1.00	1.00	1.00
4	15	12	0.85	0.42	0.79	0.89	0.89	0.65	0.78	0.88	0.40	0.39	0.97	1.00	1.00	1.00	1.00
4	15	13	0.66	0.54	0.60	0.92	0.66	0.52	0.84	0.65	0.32	0.32	0.93	1.00	1.00	1.00	1.00
4	15	14	0.51	0.75	0.48	0.53	0.65	0.66	0.75	0.65	0.42	0.40	0.95	1.00	1.00	1.00	1.00
4	15	15	0.73	0.54	0.41	0.03	0.72	0.74	0.68	0.71	0.33	0.44	0.87	1.00	1.00	1.00	1.00
4	15	16	0.62	0.41	0.20	0.02	0.32	0.66	0.64	0.31	0.34	0.46	0.81	0.88	1.00	1.00	1.00
4	15	17	0.64	0.42	0.09	0.41	0.29	0.49	0.41	0.29	0.14	0.40	0.61	0.55	1.00	1.00	1.00
4	15	18	0.34	0.21	0.17	0.09	0.03	0.09	0.09	0.02	0.06	0.22	0.26	0.07	1.00	1.00	1.00
4	15	19	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	15	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
4	16	6	0.01	0.01	0.03	0.00	0.01	0.01	0.01	0.01	0.11	0.13	0.18	0.47	1.00	1.00	1.00
4	16	7	0.33	0.36	0.23	0.04	0.00	0.01	0.15	0.00	0.36	0.45	0.52	0.83	1.00	1.00	1.00
4	16	8	0.70	0.77	0.48	0.26	0.17	0.07	0.14	0.17	0.50	0.72	0.71	1.00	1.00	1.00	1.00
4	16	9	0.93	1.00	0.63	0.90	0.29	0.06	0.12	0.28	0.82	0.90	0.83	1.00	1.00	1.00	1.00
4	16	10	1.00	1.00	0.84	1.00	0.77	0.14	0.32	0.76	0.90	0.92	0.90	1.00	1.00	1.00	1.00
4	16	11	1.00	1.00	0.87	1.00	0.96	0.67	0.29	0.95	0.81	0.89	0.81	1.00	1.00	1.00	1.00
4	16	12	1.00	1.00	0.99	0.88	1.00	0.79	0.38	1.00	0.79	0.89	0.81	1.00	1.00	1.00	1.00
4	16	13	1.00	1.00	1.00	0.89	1.00	0.94	0.81	1.00	0.61	0.85	0.62	0.93	1.00	1.00	1.00
4	16	14	1.00	1.00	1.00	0.71	0.91	0.83	0.83	0.90	0.56	0.80	0.54	0.79	1.00	1.00	1.00
4	16	15	1.00	1.00	1.00	0.98	1.00	0.89	0.89	1.00	0.70	0.84	0.51	0.58	1.00	1.00	1.00
4	16	16	0.95	0.98	0.97	0.86	0.86	0.88	0.79	0.86	0.64	0.79	0.57	0.26	1.00	1.00	1.00
4	16	17	0.75	0.80	0.80	0.65	0.70	0.70	0.63	0.70	0.51	0.71	0.47	0.09	1.00	1.00	1.00
4	16	18	0.37	0.35	0.42	0.11	0.25	0.23	0.25	0.25	0.16	0.41	0.19	0.01	1.00	1.00	1.00
4	16	19	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	1.00	1.00	1.00
4	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
4	17	6	0.00	0.02	0.07	0.17	0.09	0.07	0.05	0.09	0.31	0.20	0.25	0.41	1.00	1.00	1.00
4	17	7	0.27	0.50	0.57	0.61	0.56	0.54	0.53	0.55	0.64	0.58	0.64	0.74	1.00	1.00	1.00
4	17	8	0.57	0.84	0.84	0.84	0.83	0.82	0.80	0.83	0.82	0.78	0.87	0.98	1.00	1.00	1.00
4	17	9	0.81	1.00	0.98	0.97	0.97	0.95	0.96	0.96	0.88	0.90	0.99	0.96	1.00	1.00	1.00
4	17	10	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.93	1.00	0.74	1.00	1.00	1.00
4	17	11	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.97	1.00	0.79	1.00	1.00	1.00
4	17	12	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.95	1.00	0.95	1.00	1.00	1.00
4	17	13	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00
4	17	14	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.85	0.87	1.00	1.00	1.00	1.00	1.00
4	17	15	1.00	1.00	1.00	1.00	0.98	0.97	0.99	0.97	0.82	0.77	0.97	1.00	1.00	1.00	1.00
4	17	16	0.95	0.91	0.94	0.92	0.88	0.84	0.89	0.88	0.85	0.72	0.86	0.83	1.00	1.00	1.00
4	17	17	0.77	0.77	0.74	0.75	0.66	0.66	0.68	0.65	0.72	0.57	0.64	0.50	1.00	1.00	1.00
4	17	18	0.37	0.32	0.37	0.25	0.19	0.22	0.16	0.19	0.15	0.29	0.29	0.06	1.00	1.00	1.00
4	17	19	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	1.00	1.00	1.00
4	17	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
4	17	22	0.58	0.40	0.64	0.71	0.79	0.98	0.98	0.77	0.61	0.57	0.94	0.70	0.58	0.73	0.72	0.70	0.11	0.97	0.50	0.95	0.83	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	23	0.59	0.28	0.72	0.67	0.74	0.93	0.97	0.74	0.63	0.59	0.91	0.69	0.60	0.72	0.70	0.69	0.30	0.97	0.53	0.84	0.83	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	17	24	0.58	0.21	0.82	0.63	0.73	0.93	0.97	0.71	0.62	0.58	0.87	0.69	0.59	0.72	0.72	0.71	0.17	0.97	0.53	0.74	0.84	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	1	0.52	0.24	0.78	0.58	0.70	0.80	0.96	0.70	0.56	0.51	0.86	0.71	0.53	0.74	0.72	0.71	0.10	0.97	0.53	0.73	0.84	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	2	0.43	0.27	0.73	0.55	0.67	0.80	0.96	0.63	0.47	0.42	0.84	0.68	0.44	0.71	0.74	0.73	0.14	0.96	0.48	0.76	0.81	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	3	0.49	0.25	0.71	0.54	0.67	0.75	0.95	0.54	0.53	0.48	0.84	0.70	0.49	0.74	0.77	0.76	0.19	0.96	0.40	0.84	0.78	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	4	0.59	0.31	0.73	0.53	0.68	0.72	0.94	0.48	0.63	0.59	0.82	0.57	0.60	0.61	0.81	0.80	0.19	0.95	0.36	0.83	0.78	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	5	0.66	0.35	0.70	0.46	0.67	0.67	0.95	0.46	0.69	0.65	0.79	0.56	0.66	0.61	0.80	0.79	0.26	0.94	0.35	0.76	0.80	0.35	0.23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
4	18	6	0.66	0.30	0.69	0.38	0.56	0.21	0.95	0.42	0.69	0.65	0.78	0.57	0.66	0.62	0.79	0.78	0.28	0.92	0.33	0.73	0.83	0.30	0.19	0.00	0.03	0.19	0.03	0.05	0.02	0.00	0.02	0.00	0.02	0.06	0.15	0.10	0.08	0.03	0.10	0.16	0.14	0.25	0.51	1.00	1.00	1.00
4	18	7	0.53	0.20	0.70	0.35	0.28	0.09	0.95	0.47	0.56	0.52	0.75	0.53	0.54	0.58	0.72	0.71	0.41	0.83	0.25	0.60	0.82	0.20	0.10	0.03	0.32	0.39	0.32	0.45	0.43	0.42	0.41	0.42	0.42	0.56	0.60	0.55	0.52	0.47	0.55	0.26	0.43	0.63	0.84	1.00	1.00	1.00
4	18	8	0.53	0.19	0.75	0.33	0.05	0.06	0.94	0.58	0.57	0.52	0.58	0.49	0.53	0.54	0.67	0.66	0.59	0.67	0.20	0.72	0.88	0.19	0.08	0.27	0.59	0.56	0.58	0.57	0.74	0.74	0.71	0.77	0.69	0.86	0.87	0.83	0.77	0.74	0.82	0.42	0.61	0.85	1.00	1.00	1.00	1.00
4	18	9	0.48	0.24	0.77	0.36	0.00	0.16	0.92	0.70	0.52	0.47	0.56	0.52	0.49	0.57	0.65	0.64	0.72	0.61	0.22	0.79	0.95	0.24	0.13	0.52	0.78	0.66	0.76	0.70	0.90	0.89	0.82	0.95	0.83	0.95	1.00	0.99	0.94	0.89	0.98	0.40	0.75	0.97	1.00	1.00	1.00	1.00
4	18	10	0.49	0.29	0.80	0.38	0.00	0.22	0.93	0.78	0.53	0.49	0.58	0.56	0.50	0.61	0.63	0.62	0.77	0.55	0.28	0.87	0.95	0.29	0.18	0.71	0.89	0.72	0.87	0.83	0.98	0.96	0.84	1.00	0.92	0.97	1.00	1.00	1.00	1.00	1.00	0.55	0.77	1.00	1.00	1.00	1.00	1.00
4	18	11	0.64	0.32	0.85	0.39	0.00	0.29	0.95	0.80	0.67	0.63	0.52	0.59	0.64	0.64	0.62	0.60	0.77	0.54	0.35	0.92	0.94	0.32	0.21	0.81	0.93	0.78	0.91	0.82	0.96	0.98	0.83	1.00	0.92	1.00	1.00	1.00	1.00	0.98	1.00	0.63	0.77	1.00	1.00	1.00	1.00	1.00
4	18	12	0.78	0.35	0.81	0.38	0.00	0.41	0.95	0.82	0.80	0.78	0.58	0.60	0.79	0.64	0.60	0.58	0.77	0.66	0.45	0.92	0.90	0.35	0.24	0.87	0.95	0.75	0.93	0.81	0.99	0.95	0.85	1.00	0.93	1.00	1.00	1.00	1.00	0.93	1.00	0.60	0.77	1.00	1.00	1.00	1.00	1.00
4	18	13	0.85	0.39	0.75	0.36	0.00	0.56	0.95	0.85	0.87	0.85	0.61	0.60	0.86	0.64	0.58	0.56	0.78	0.82	0.63	0.93	0.81	0.39	0.29	0.88	0.96	0.74	0.94	0.82	0.93	1.00	0.86	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	0.51	0.82	1.00	1.00	1.00	1.00	1.00
4	18	14	0.84	0.46	0.71	0.34	0.00	0.63	0.96	0.90	0.85	0.84	0.59	0.60	0.84	0.64	0.57	0.55	0.88	0.93	0.66	0.91	0.78	0.46	0.36	0.87	0.96	0.72	0.94	0.85	0.95	0.98	0.81	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.44	0.83	1.00	1.00	1.00	1.00	1.00
4	18	15	0.77	0.49	0.68	0.31	0.04	0.70	0.96	0.94	0.79	0.77	0.60	0.63	0.77	0.67	0.59	0.57	0.89	0.93	0.72	0.89	0.78	0.49	0.40	0.77	0.91	0.75	0.89	0.82	0.91	0.91	0.78	1.00	1.00	1.00	1.00	1.00	0.94	0.97	1.00	0.52	0.79	0.96	0.96	1.00	1.00	1.00
4	18	16	0.72	0.55	0.73	0.35	0.23	0.70	0.96	0.96	0.74	0.72	0.63	0.65	0.72	0.69	0.64	0.63	0.86	0.93	0.77	0.89	0.83	0.55	0.47	0.61	0.81	0.69	0.79	0.79	0.78	0.90	0.72	0.96	1.00	1.00	0.97	0.93	0.84	0.91	0.93	0.58	0.74	0.86	0.85	1.00	1.00	1.00
4	18	17	0.65	0.64	0.79	0.28	0.37	0.69	0.97	0.96	0.68	0.64	0.75	0.63	0.65	0.67	0.61	0.60	0.86	0.91	0.73	0.86	0.94	0.64	0.56	0.38	0.62	0.52	0.61	0.81	0.76	0.77	0.63	0.71	0.84	0.82	0.77	0.70	0.61	0.71	0.70	0.50	0.62	0.63	0.47	1.00	1.00	1.00
4	18	18	0.63	0.66	0.78	0.21	0.49	0.61	0.97	0.95	0.66	0.62	0.88	0.68	0.63	0.71	0.58	0.57	0.83	0.80	0.61	0.79	0.97	0.66	0.59	0.08	0.27	0.19	0.26	0.47	0.51	0.45	0.38	0.39	0.39	0.41	0.36	0.22	0.12	0.26	0.22	0.16	0.35	0.26	0.06	1.00	1.00	1.00
4	18	19	0.57	0.66	0.82	0.31	0.64	0.67	0.97	0.93	0.61	0.56	0.84	0.79	0.58	0.82	0.59	0.58	0.82	0.38	0.58	0.70	0.90	0.66	0.59	0.00	0.03	0.01	0.03	0.13	0.13	0.08	0.04	0.04	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	1.00	1.00	1.00
4	18	20	0.47	0.63	0.79	0.35	0.74	0.82	0.98	0.92	0.51	0.46	0.71	0.83	0.48	0.86	0.63	0.61	0.87	0.20	0.45	0.64	0.81	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	21	0.45	0.63	0.81	0.38	0.69	0.75	0.98	0.86	0.50	0.44	0.62	0.80	0.46	0.82	0.62	0.60	0.91	0.15	0.46	0.56	0.74	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	22	0.33	0.61	0.82	0.35	0.64	0.54	0.96	0.81	0.38	0.32	0.56	0.75	0.34	0.78	0.58	0.57	0.93	0.12	0.37	0.47	0.60	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	23	0.22	0.70	0.86	0.23	0.61	0.55	0.94	0.66	0.28	0.21	0.54	0.69	0.23	0.72	0.54	0.52	0.93	0.06	0.39	0.50	0.51	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	18	24	0.16	0.73	0.85	0.12	0.61	0.33	0.91	0.47	0.22	0.15	0.59	0.56	0.17	0.61	0.50	0.48	0.89	0.03	0.51	0.44	0.39	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	1	0.12	0.73	0.83	0.07	0.64	0.25	0.87	0.36	0.18	0.11	0.71	0.34	0.13	0.40	0.48	0.47	0.84	0.02	0.57	0.34	0.27	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	2	0.05	0.73	0.85	0.07	0.65	0.18	0.82	0.29	0.11	0.04	0.74	0.23	0.06	0.30	0.46	0.44	0.79	0.02	0.73	0.42	0.15	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	3	0.01	0.62	0.87	0.06	0.63	0.26	0.77	0.19	0.07	0.01	0.74	0.25	0.02	0.33	0.46	0.44	0.75	0.00	0.86	0.44	0.03	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	4	0.00	0.43	0.88	0.05	0.59	0.33	0.72	0.08	0.05	0.00	0.70	0.27	0.01	0.34	0.39	0.37	0.70	0.00	0.93	0.37	0.00	0.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	5	0.00	0.39	0.87	0.06	0.56	0.19	0.70	0.01	0.04	0.00	0.62	0.26	0.00	0.32	0.34	0.32	0.65	0.00	0.97	0.33	0.02	0.39	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
4	19	6	0.00	0.39	0.84	0.08	0.51	0.23	0.69	0.00	0.01	0.00	0.56	0.27	0.00	0.34	0.34	0.32	0.57	0.01	0.99	0.31	0.03	0.39	0.28	0.00	0.02	0.25	0.02	0.00	0.00	0.00	0.04	0.01	0.04	0.05	0.01	0.09	0.09	0.06	0.09	0.31	0.21	0.26	0.43	1.00	1.00	1.00
4	19	7	0.00	0.41	0.65	0.08	0.39	0.18	0.68	0.00	0.00	0.00	0.45	0.25	0.00	0.32	0.19	0.17	0.36	0.01	0.99	0.24	0.03	0.41	0.31	0.02	0.24	0.61	0.23	0.05	0.04	0.02	0.42	0.42	0.55	0.46	0.33	0.50	0.56	0.52	0.49	0.67	0.62	0.65	0.74	1.00	1.00	1.00
4	19	8	0.00	0.54	0.48	0.06	0.23	0.07	0.68	0.00	0.00	0.00	0.37	0.25	0.00	0.32	0.09	0.07	0.24	0.00	1.00	0.16	0.05	0.54	0.45	0.24	0.47	0.84	0.47	0.03	0.08	0.15	0.67	0.74	0.88	0.84	0.78	0.79	0.82	0.79	0.79	0.85	0.81	0.88	0.93	1.00	1.00	1.00
4	19	9	0.00	0.64	0.43	0.07	0.09	0.03	0.70	0.00	0.00	0.00	0.19	0.21	0.00	0.28	0.06	0.04	0.21	0.00	1.00	0.04	0.07	0.64	0.56	0.46	0.65	0.95	0.64	0.10	0.27	0.28	0.76	0.82	1.00	1.00	0.98	0.97	0.98	0.93	0.96	0.95	0.91	0.99	1.00	1.00	1.00	1.00
4	19	10	0.00	0.75	0.35	0.10	0.01	0.01	0.71	0.00	0.00	0.00	0.05	0.15	0.00	0.22	0.06	0.05	0.17	0.00	1.00	0.01	0.09	0.75	0.69	0.62	0.76	0.99	0.74	0.24	0.49	0.40	0.72	0.81	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00
4	19	11	0.00	0.79	0.29	0.15	0.00	0.02	0.70	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.07	0.05	0.14	0.00	1.00	0.00	0.11	0.79	0.75	0.72	0.81	0.98	0.80	0.44	0.69	0.41	0.65	0.78	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.95	1.00	1.00	1.00	1.00	1.00
4	19	12	0.00	0.79	0.26	0.21	0.00	0.01	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.04	0.11	0.00	1.00	0.00	0.13	0.79	0.74	0.76	0.83	0.94	0.82	0.42	0.81	0.45	0.60	0.74	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.93	1.00	1.00	1.00	1.00	1.00
4	19	13	0.00	0.77	0.25	0.25	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.04	0.09	0.00	1.00	0.04	0.13	0.77	0.73	0.73	0.79	0.88	0.78	0.30	0.78	0.40	0.50	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.88	1.00	1.00	1.00	1.00	1.00
4	19	14	0.00	0.79	0.24	0.28	0.00	0.00	0.72	0.05	0.03	0.00	0.00	0.00	0.00	0.02	0.07	0.05	0.07	0.00	1.00	0.08	0.13	0.79	0.74	0.66	0.74	0.89	0.72	0.28	0.58	0.38	0.40	0.43	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.80	1.00	1.00	1.00	1.00	1.00
4	19	15	0.08	0.70	0.23	0.30	0.00	0.00	0.72	0.16	0.13	0.07	0.09	0.02	0.08	0.08	0.06	0.04	0.04	0.01	0.98	0.12	0.10	0.70	0.63	0.55	0.66	0.86	0.64	0.32	0.61	0.34	0.31	0.20	0.81	1.00	1.00	1.00	1.00	1.00	1.00	0.84	0.66	0.97	0.99	1.00	1.00	1.00
4	19	16	0.20	0.53	0.22	0.27	0.00	0.00	0.70	0.32	0.25	0.19	0.28	0.04	0.21	0.11	0.05	0.03	0.03	0.02	0.93	0.13	0.12	0.53	0.44	0.39	0.50	0.70	0.50	0.31	0.47	0.33	0.21	0.05	0.33	0.84	0.93	0.92	0.84	0.92	0.91	0.61	0.50	0.83	0.78	1.00	1.00	1.00
4	19	17	0.28	0.41	0.17	0.27	0.00	0.01	0.67	0.49	0.33	0.27	0.36	0.20	0.29	0.27	0.05	0.04	0.02	0.02	0.81	0.18	0.19	0.41	0.30	0.20	0.33	0.46	0.32	0.25	0.41	0.26	0.16	0.05	0.10	0.50	0.56	0.67	0.65	0.69	0.66	0.41	0.31	0.61	0.40	1.00	1.00	1.00
4	19	18	0.31	0.21	0.13	0.21	0.00	0.06	0.60	0.52	0.36	0.30	0.47	0.43	0.32	0.50	0.05	0.04	0.01	0.02	0.57	0.27	0.29	0.21	0.11	0.05	0.16	0.20	0.15	0.26	0.23	0.15	0.11	0.02	0.13	0.32	0.37	0.32	0.20	0.23	0.32	0.13	0.24	0.26	0.05	1.00	1.00	1.00
4	19	19	0.34	0.18	0.15	0.18	0.00	0.28	0.52	0.46	0.39	0.33	0.55	0.46	0.35	0.52	0.06	0.04	0.01	0.02	0.43	0.35	0.47	0.18	0.07	0.00	0.01	0.02	0.01	0.05	0.03	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.03	0.02	0.00	0.00	1.00	1.00	1.00
4	19	20	0.44	0.14	0.10	0.16	0.00	0.36	0.44	0.39	0.48	0.43	0.64	0.45	0.44	0.51	0.07	0.05	0.02	0.03	0.37	0.32	0.63	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	21	0.43	0.14	0.15	0.10	0.00	0.37	0.32	0.27	0.48	0.43	0.72	0.52	0.44	0.57	0.05	0.04	0.02	0.05	0.42	0.28	0.66	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	22	0.42	0.24	0.16	0.05	0.00	0.19	0.18	0.21	0.47	0.41	0.85	0.61	0.43	0.65	0.03	0.02	0.02	0.08	0.47	0.28	0.68	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	23	0.34	0.36	0.14	0.05	0.00	0.01	0.08	0.21	0.39	0.34	0.88	0.72	0.35	0.76	0.02	0.01	0.02	0.11	0.37	0.26	0.55	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	19	24	0.28	0.32	0.17	0.06	0.00	0.04	0.03	0.24	0.33	0.27	0.90	0.74	0.29	0.77	0.01	0.01	0.03	0.14	0.29	0.24	0.48	0.31	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	1	0.37	0.34	0.18	0.08	0.00	0.03	0.00	0.36	0.42	0.36	0.87	0.74	0.38	0.77	0.01	0.01	0.03	0.15	0.26	0.24	0.35	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	2	0.44	0.36	0.15	0.12	0.00	0.08	0.00	0.43	0.49	0.43	0.82	0.77	0.45	0.79	0.01	0.00	0.03	0.14	0.23	0.27	0.23	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	3	0.41	0.38	0.12	0.22	0.00	0.02	0.00	0.38	0.45	0.40	0.79	0.81	0.41	0.83	0.01	0.00	0.04	0.14	0.18	0.35	0.19	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	4	0.41	0.46	0.15	0.30	0.00	0.07	0.01	0.31	0.45	0.40	0.81	0.83	0.41	0.85	0.01	0.00	0.05	0.17	0.15	0.42	0.19	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	5	0.43	0.58	0.21	0.36	0.00	0.17	0.08	0.35	0.47	0.42	0.85	0.82	0.43	0.84	0.01	0.00	0.05	0.21	0.12	0.43	0.23	0.58	0.49	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
4	20	6	0.45	0.62	0.15	0.38	0.00	0.08	0.05	0.36	0.49	0.44	0.78	0.79	0.45	0.82	0.01	0.00	0.04	0.19	0.09	0.51	0.27	0.62	0.54	0.00	0.01	0.11	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.49	1.00	1.00	1.00
4	20	7	0.41	0.47	0.03	0.31	0.01	0.03	0.10	0.31	0.46	0.40	0.72	0.66	0.42	0.69	0.01	0.00	0.02	0.17	0.04	0.53	0.29	0.47	0.37	0.01	0.07	0.25	0.07	0.47	0.03	0.10	0.06	0.03	0.08	0.15	0.00	0.00	0.10	0.03	0.00	0.09	0.05	0.26	0.83	1.00	1.00	1.00
4	20	8	0.45	0.40	0.00	0.14	0.00	0.01	0.18	0.27	0.49	0.44	0.74	0.67	0.46	0.70	0.01	0.00	0.01	0.28	0.02	0.52	0.34	0.40	0.30	0.10	0.20	0.42	0.19	0.75	0.26	0.43	0.15	0.02	0.15	0.37	0.22	0.08	0.06	0.14	0.08	0.31	0.10	0.40	1.00	1.00	1.00	1.00
4	20	9	0.47	0.46	0.00	0.11	0.00	0.01	0.15	0.24	0.51	0.46	0.81	0.76	0.48	0.80	0.02	0.01	0.01	0.34	0.03	0.57	0.42	0.46	0.37	0.22	0.32	0.53	0.31	0.96	0.60	0.60	0.23	0.13	0.05	0.42	0.52	0.15	0.10	0.16	0.15	0.42	0.22	0.57	1.00	1.00	1.00	1.00
4	20	10	0.40	0.51	0.01	0.08	0.00	0.08	0.11	0.22	0.44	0.39	0.80	0.73	0.40	0.76	0.03	0.02	0.01	0.33	0.04	0.63	0.48	0.51	0.41	0.31	0.39	0.60	0.38	1.00	0.78	0.62	0.33	0.28	0.02	0.35	0.48	0.26	0.09	0.34	0.26	0.48	0.32	0.58	1.00	1.00	1.00	1.00
4	20	11	0.45	0.54	0.01	0.05	0.00	0.14	0.08	0.23	0.49	0.44	0.80	0.62	0.45	0.66	0.04	0.02	0.01	0.37	0.06	0.66	0.53	0.54	0.45	0.37	0.42	0.57	0.41	0.98	0.68	0.60	0.42	0.12	0.04	0.14	0.46	0.50	0.35	0.53	0.50	0.29	0.40	0.57	1.00	1.00	1.00	1.00
4	20	12	0.63	0.60	0.04	0.02	0.00	0.06	0.09	0.25	0.66	0.62	0.77	0.62	0.63	0.66	0.05	0.03	0.01	0.49	0.09	0.58	0.61	0.60	0.52	0.42	0.47	0.60	0.46	0.93	0.86	0.63	0.34	0.37	0.14	0.07	0.44	0.57	0.42	0.51	0.56	0.33	0.45	0.50	1.00	1.00	1.00	1.00
4	20	13	0.59	0.65	0.06	0.01	0.00	0.02	0.11	0.29	0.63	0.59	0.76	0.68	0.60	0.72	0.05	0.04	0.01	0.67	0.10	0.50	0.75	0.65	0.58	0.43	0.47	0.61	0.46	0.88	0.85	0.54	0.42	0.55	0.16	0.08	0.26	0.38	0.57	0.58	0.38	0.31	0.46	0.43	1.00	1.00	1.00	1.00
4	20	14	0.61	0.66	0.07	0.01	0.00	0.00	0.14	0.48	0.64	0.60	0.84	0.73	0.61	0.77	0.06	0.04	0.02	0.78	0.13	0.53	0.90	0.66	0.59	0.42	0.46	0.58	0.46	0.93	0.87	0.61	0.45	0.63	0.20	0.12	0.09	0.29	0.63	0.43	0.28	0.36	0.41	0.37	1.00	1.00	1.00	1.00
4	20	15	0.65	0.67	0.09	0.01	0.00	0.01	0.20	0.33	0.68	0.65	0.92	0.72	0.66	0.75	0.07	0.05	0.03	0.83	0.14	0.54	0.91	0.67	0.61	0.39	0.46	0.48	0.45	0.90	0.84	0.50	0.38	0.63	0.48	0.07	0.37	0.23	0.52	0.40	0.23	0.34	0.38	0.35	0.97	1.00	1.00	1.00
4	20	16	0.59	0.70	0.10	0.01	0.02	0.04	0.27	0.15	0.62	0.58	0.91	0.74	0.60	0.78	0.09	0.07	0.02	0.87	0.17	0.54	0.85	0.70	0.63	0.31	0.40	0.46	0.40	0.81	0.87	0.62	0.35	0.79	0.38	0.04	0.08	0.20	0.41	0.31	0.20	0.28	0.39	0.29	0.84	1.00	1.00	1.00
4	20	17	0.58	0.65	0.14	0.02	0.17	0.07	0.33	0.08	0.62	0.57	0.83	0.62	0.59	0.65	0.10	0.08	0.02	0.87	0.23	0.51	0.78	0.65	0.57	0.22	0.35	0.41	0.34	0.81	0.75	0.69	0.38	0.65	0.11	0.11	0.34	0.24	0.22	0.19	0.24	0.22	0.42	0.26	0.56	1.00	1.00	1.00
4	20	18	0.49	0.54	0.15	0.04	0.54	0.11	0.33	0.10	0.53	0.48	0.72	0.66	0.50	0.68	0.11	0.09	0.04	0.78	0.25	0.47	0.62	0.54	0.45	0.07	0.20	0.18	0.19	0.55	0.44	0.45	0.26	0.36	0.22	0.08	0.18	0.14	0.07	0.10	0.13	0.11	0.23	0.08	0.08	1.00	1.00	1.00
4	20	19	0.39	0.49	0.20	0.13	0.72	0.17	0.33	0.23	0.43	0.38	0.74	0.92	0.39	0.94	0.13	0.11	0.07	0.59	0.20	0.38	0.49	0.49	0.39	0.00	0.03	0.02	0.03	0.17	0.10	0.09	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.00	0.00	1.00	1.00	1.00
4	20	20	0.46	0.45	0.22	0.24	0.75	0.27	0.33	0.42	0.51	0.45	0.73	0.91	0.47	0.92	0.15	0.13	0.06	0.44	0.16	0.24	0.34	0.45	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	21	0.47	0.66	0.21	0.30	0.74	0.71	0.33	0.54	0.52	0.47	0.71	0.92	0.48	0.93	0.14	0.12	0.02	0.46	0.26	0.16	0.30	0.66	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	22	0.50	0.65	0.22	0.29	0.75	0.68	0.34	0.61	0.54	0.49	0.74	0.84	0.51	0.86	0.11	0.09	0.00	0.35	0.26	0.10	0.26	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	23	0.42	0.73	0.24	0.29	0.76	0.73	0.33	0.62	0.46	0.41	0.67	0.78	0.42	0.81	0.10	0.08	0.00	0.21	0.28	0.08	0.21	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	20	24	0.34	0.79	0.26	0.33	0.78	0.46	0.29	0.63	0.39	0.33	0.56	0.75	0.35	0.77	0.10	0.08	0.00	0.15	0.27	0.07	0.20	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	1	0.37	0.80	0.26	0.40	0.81	0.21	0.28	0.64	0.42	0.36	0.55	0.76	0.37	0.79	0.12	0.10	0.00	0.11	0.36	0.02	0.31	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	2	0.37	0.74	0.16	0.44	0.81	0.18	0.28	0.64	0.42	0.37	0.55	0.74	0.38	0.77	0.14	0.12	0.00	0.08	0.41	0.00	0.28	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	3	0.34	0.65	0.09	0.48	0.79	0.25	0.26	0.57	0.39	0.33	0.57	0.69	0.35	0.72	0.20	0.18	0.00	0.08	0.42	0.01	0.37	0.65	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	4	0.35	0.80	0.05	0.51	0.75	0.36	0.26	0.54	0.40	0.34	0.52	0.66	0.36	0.70	0.24	0.22	0.01	0.08	0.31	0.00	0.53	0.81	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	5	0.29	0.77	0.03	0.48	0.71	0.07	0.23	0.48	0.35	0.28	0.58	0.64	0.30	0.68	0.25	0.23	0.03	0.06	0.22	0.01	0.61	0.77	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
4	21	6	0.23	0.69	0.01	0.48	0.61	0.04	0.20	0.42	0.29	0.22	0.50	0.63	0.24	0.68	0.28	0.26	0.05	0.04	0.18	0.01	0.56	0.69	0.62	0.00	0.05	0.20	0.05	0.02	0.00	0.00	0.05	0.00	0.04	0.11	0.22	0.14	0.13	0.05	0.14	0.33	0.18	0.18	0.22	1.00	1.00	1.00
4	21	7	0.18	0.57	0.00	0.44	0.40	0.04	0.15	0.35	0.24	0.17	0.34	0.55	0.19	0.60	0.29	0.27	0.06	0.03	0.13	0.00	0.31	0.57	0.50	0.03	0.30	0.49	0.29	0.08	0.23	0.27	0.43	0.34	0.57	0.56	0.65	0.59	0.57	0.49	0.59	0.65	0.53	0.50	0.50	1.00	1.00	1.00
4	21	8	0.10	0.61	0.00	0.41	0.15	0.01	0.09	0.24	0.16	0.09	0.25	0.43	0.11	0.49	0.32	0.30	0.04	0.04	0.09	0.00	0.20	0.61	0.54	0.27	0.55	0.75	0.53	0.05	0.37	0.62	0.70	0.71	0.90	0.82	0.89	0.86	0.85	0.79	0.86	0.78	0.77	0.73	0.74	1.00	1.00	1.00
4	21	9	0.03	0.86	0.00	0.52	0.02	0.00	0.08	0.12	0.09	0.02	0.20	0.33	0.04	0.40	0.35	0.33	0.03	0.05	0.06	0.00	0.22	0.87	0.83	0.50	0.73	0.83	0.71	0.11	0.44	0.83	0.89	0.95	1.00	0.94	1.00	1.00	1.00	0.96	1.00	0.76	0.80	0.89	0.83	1.00	1.00	1.00
4	21	10	0.00	0.98	0.00	0.54	0.00	0.00	0.07	0.06	0.03	0.00	0.17	0.14	0.00	0.21	0.37	0.35	0.06	0.04	0.05	0.00	0.32	0.98	0.97	0.66	0.82	0.88	0.81	0.12	0.68	0.74	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.86	0.82	0.95	0.82	1.00	1.00	1.00
4	21	11	0.00	0.98	0.00	0.57	0.00	0.00	0.04	0.05	0.03	0.00	0.19	0.02	0.00	0.08	0.40	0.38	0.09	0.03	0.04	0.00	0.37	0.98	0.98	0.71	0.81	0.88	0.80	0.08	0.59	0.71	0.88	1.00	1.00	0.99	0.85	1.00	1.00	0.95	1.00	0.80	0.86	0.98	0.67	1.00	1.00	1.00
4	21	12	0.02	1.00	0.00	0.67	0.00	0.00	0.04	0.12	0.08	0.01	0.18	0.00	0.03	0.05	0.40	0.38	0.12	0.03	0.06	0.01	0.41	1.00	1.00	0.73	0.80	0.88	0.78	0.05	0.41	0.60	0.83	0.99	1.00	0.99	1.00	1.00	1.00	0.88	1.00	0.92	0.87	0.98	0.51	1.00	1.00	1.00
4	21	13	0.10	1.00	0.00	0.70	0.04	0.00	0.04	0.25	0.16	0.09	0.19	0.00	0.11	0.05	0.42	0.40	0.20	0.03	0.08	0.02	0.40	1.00	1.00	0.69	0.76	0.87	0.74	0.04	0.29	0.57	0.75	0.80	1.00	1.00	1.00	1.00	1.00	0.86	1.00	0.96	0.88	0.91	0.62	1.00	1.00	1.00
4	21	14	0.15	1.00	0.00	0.72	0.17	0.00	0.04	0.42	0.21	0.14	0.25	0.02	0.16	0.08	0.43	0.41	0.27	0.03	0.09	0.04	0.43	1.00	1.00	0.65	0.73	0.87	0.72	0.04	0.21	0.51	0.79	0.74	1.00	0.95	1.00	1.00	1.00	0.93	1.00	0.91	0.88	0.99	0.61	1.00	1.00	1.00
4	21	15	0.22	1.00	0.00	0.76	0.19	0.05	0.05	0.59	0.28	0.22	0.34	0.06	0.23	0.14	0.44	0.43	0.34	0.02	0.18	0.06	0.44	1.00	1.00	0.56	0.66	0.80	0.65	0.04	0.26	0.35	0.72	0.61	0.78	1.00	1.00	1.00	1.00	0.93	1.00	0.74	0.81	0.92	0.66	1.00	1.00	1.00
4	21	16	0.27	0.99	0.00	0.79	0.11	0.81	0.06	0.67	0.32	0.26	0.43	0.11	0.28	0.18	0.43	0.41	0.38	0.01	0.33	0.11	0.39	0.99	0.98	0.43	0.56	0.69	0.55	0.10	0.20	0.16	0.61	0.58	0.71	0.87	0.95	0.91	0.92	0.88	0.91	0.69	0.78	0.84	0.65	1.00	1.00	1.00
4	21	17	0.32	0.95	0.00	0.77	0.05	0.94	0.10	0.70	0.38	0.32	0.48	0.22	0.33	0.29	0.43	0.41	0.40	0.00	0.40	0.20	0.34	0.95	0.94	0.23	0.38	0.44	0.37	0.10	0.09	0.15	0.38	0.53	0.23	0.56	0.79	0.70	0.70	0.72	0.70	0.52	0.54	0.64	0.43	1.00	1.00	1.00
4	21	18	0.42	0.86	0.00	0.72	0.01	0.80	0.12	0.72	0.47	0.41	0.50	0.32	0.43	0.39	0.44	0.42	0.34	0.00	0.43	0.34	0.33	0.86	0.83	0.04	0.16	0.17	0.16	0.08	0.06	0.09	0.26	0.22	0.28	0.36	0.21	0.36	0.22	0.26	0.36	0.25	0.30	0.24	0.04	1.00	1.00	1.00
4	21	19	0.46	0.79	0.00	0.71	0.00	0.53	0.16	0.73	0.50	0.45	0.52	0.37	0.47	0.43	0.45	0.43	0.30	0.01	0.35	0.50	0.39	0.79	0.76	0.00	0.01	0.01	0.01	0.02	0.00	0.01	0.02	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.01	0.05	0.02	0.00	0.00	1.00	1.00	1.00
4	21	20	0.50	0.85	0.00	0.69	0.00	0.31	0.15	0.76	0.54	0.50	0.52	0.38	0.51	0.45	0.51	0.50	0.31	0.08	0.33	0.59	0.60	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	21	0.53	0.83	0.00	0.67	0.00	0.17	0.11	0.77	0.57	0.52	0.47	0.38	0.54	0.44	0.51	0.49	0.23	0.14	0.30	0.64	0.73	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	22	0.55	0.74	0.00	0.69	0.01	0.05	0.07	0.73	0.59	0.54	0.49	0.41	0.55	0.47	0.40	0.38	0.21	0.24	0.26	0.60	0.81	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	23	0.55	0.70	0.00	0.68	0.06	0.02	0.03	0.69	0.59	0.55	0.52	0.45	0.56	0.51	0.36	0.33	0.23	0.63	0.23	0.61	0.77	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	21	24	0.52	0.68	0.00	0.63	0.14	0.10	0.01	0.63	0.56	0.52	0.50	0.40	0.53	0.46	0.35	0.33	0.23	0.74	0.22	0.60	0.73	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	1	0.44	0.63	0.00	0.63	0.24	0.14	0.05	0.55	0.49	0.44	0.44	0.39	0.45	0.45	0.35	0.32	0.18	0.79	0.27	0.59	0.64	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	2	0.43	0.58	0.00	0.52	0.29	0.23	0.06	0.47	0.47	0.42	0.39	0.38	0.43	0.44	0.34	0.32	0.15	0.87	0.34	0.56	0.49	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	3	0.60	0.53	0.04	0.46	0.25	0.35	0.07	0.43	0.64	0.59	0.36	0.37	0.61	0.43	0.33	0.30	0.14	0.87	0.37	0.53	0.27	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	4	0.59	0.51	0.14	0.39	0.24	0.44	0.06	0.45	0.62	0.58	0.36	0.36	0.60	0.43	0.28	0.26	0.14	0.87	0.39	0.51	0.21	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	5	0.60	0.51	0.21	0.33	0.23	0.53	0.05	0.47	0.64	0.60	0.33	0.37	0.61	0.43	0.26	0.24	0.13	0.79	0.37	0.55	0.24	0.51	0.42	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.00	1.00	1.00
4	22	6	0.51	0.51	0.22	0.26	0.11	0.66	0.05	0.47	0.55	0.51	0.31	0.36	0.52	0.42	0.28	0.26	0.15	0.62	0.26	0.56	0.14	0.51	0.41	0.00	0.01	0.12	0.01	0.03	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.20	0.51	1.00	1.00	1.00
4	22	7	0.47	0.51	0.18	0.17	0.02	0.55	0.05	0.41	0.50	0.46	0.26	0.32	0.48	0.39	0.23	0.20	0.11	0.56	0.15	0.56	0.07	0.51	0.42	0.02	0.12	0.26	0.12	0.31	0.34	0.04	0.06	0.03	0.26	0.19	0.17	0.04	0.23	0.17	0.04	0.02	0.09	0.49	0.86	1.00	1.00	1.00
4	22	8	0.73	0.49	0.18	0.09	0.01	0.32	0.08	0.47	0.76	0.73	0.37	0.30	0.74	0.36	0.16	0.14	0.02	0.72	0.10	0.61	0.16	0.49	0.40	0.13	0.26	0.37	0.25	0.38	0.71	0.14	0.09	0.02	0.48	0.56	0.27	0.20	0.33	0.41	0.20	0.05	0.20	0.67	1.00	1.00	1.00	1.00
4	22	9	0.83	0.45	0.23	0.06	0.04	0.13	0.11	0.64	0.85	0.83	0.61	0.30	0.84	0.36	0.13	0.10	0.04	0.79	0.07	0.71	0.23	0.45	0.35	0.30	0.43	0.45	0.42	0.63	0.81	0.41	0.18	0.12	0.67	0.69	0.27	0.43	0.59	0.66	0.42	0.09	0.36	0.75	1.00	1.00	1.00	1.00
4	22	10	0.89	0.40	0.17	0.04	0.11	0.04	0.14	0.75	0.90	0.88	0.68	0.31	0.89	0.38	0.11	0.09	0.10	0.68	0.06	0.75	0.29	0.40	0.29	0.42	0.52	0.52	0.51	0.65	0.79	0.58	0.27	0.18	0.67	0.79	0.43	0.52	0.49	0.89	0.51	0.12	0.39	0.84	1.00	1.00	1.00	1.00
4	22	11	0.92	0.38	0.14	0.04	0.15	0.05	0.15	0.80	0.93	0.92	0.68	0.32	0.92	0.39	0.09	0.07	0.15	0.72	0.05	0.76	0.33	0.38	0.27	0.48	0.55	0.56	0.54	0.69	0.84	0.49	0.30	0.34	0.66	0.80	0.21	0.57	0.71	0.85	0.57	0.17	0.47	0.94	1.00	1.00	1.00	1.00
4	22	12	0.94	0.36	0.13	0.07	0.19	0.16	0.14	0.83	0.94	0.93	0.71	0.34	0.94	0.41	0.09	0.07	0.20	0.81	0.02	0.80	0.47	0.36	0.26	0.59	0.65	0.57	0.64	0.69	0.68	0.62	0.38	0.52	0.52	0.79	0.70	0.66	0.92	0.93	0.65	0.19	0.51	0.84	1.00	1.00	1.00	1.00
4	22	13	0.98	0.41	0.13	0.07	0.26	0.22	0.13	0.86	0.98	0.98	0.73	0.40	0.98	0.46	0.10	0.08	0.21	0.93	0.01	0.82	0.70	0.41	0.30	0.56	0.62	0.57	0.61	0.60	0.58	0.65	0.59	0.58	0.57	0.70	0.38	0.57	0.93	0.88	0.56	0.17	0.46	0.89	1.00	1.00	1.00	1.00
4	22	14	0.98	0.47	0.09	0.10	0.40	0.51	0.12	0.85	0.98	0.98	0.73	0.45	0.98	0.51	0.11	0.09	0.22	0.96	0.01	0.85	0.84	0.47	0.37	0.57	0.64	0.53	0.63	0.53	0.69	0.58	0.55	0.60	0.57	0.63	0.46	0.73	1.00	0.98	0.73	0.19	0.51	0.81	0.97	1.00	1.00	1.00
4	22	15	0.98	0.50	0.10	0.11	0.57	0.47	0.10	0.88	0.98	0.98	0.75	0.52	0.98	0.57	0.12	0.10	0.20	1.00	0.03	0.94	0.92	0.50	0.41	0.48	0.57	0.50	0.56	0.49	0.57	0.65	0.45	0.79	0.50	0.54	0.29	0.62	0.90	0.93	0.62	0.30	0.53	0.76	0.76	1.00	1.00	1.00
4	22	16	0.97	0.55	0.17	0.09	0.71	0.56	0.09	0.92	0.97	0.97	0.78	0.60	0.97	0.64	0.15	0.13	0.24	0.99	0.07	0.85	0.95	0.55	0.46	0.43	0.57	0.44	0.56	0.56	0.48	0.62	0.42	0.79	0.63	0.74	0.27	0.82	0.84	0.79	0.81	0.26	0.39	0.76	0.73	1.00	1.00	1.00
4	22	17	0.96	0.60	0.31	0.15	0.80	0.63	0.09	0.93	0.96	0.96	0.84	0.73	0.96	0.76	0.18	0.16	0.28	1.00	0.18	0.91	0.95	0.60	0.51	0.28	0.45	0.37	0.44	0.55	0.54	0.57	0.44	0.60	0.55	0.62	0.24	0.63	0.60	0.53	0.63	0.21	0.35	0.54	0.41	1.00	1.00	1.00
4	22	18	0.90	0.51	0.54	0.21	0.80	0.68	0.19	0.90	0.91	0.90	0.88	0.80	0.90	0.83	0.24	0.22	0.23	0.98	0.26	0.97	0.90	0.51	0.42	0.07	0.21	0.19	0.21	0.38	0.32	0.39	0.20	0.30	0.31	0.39	0.23	0.32	0.21	0.13	0.32	0.21	0.22	0.20	0.06	1.00	1.00	1.00
4	22	19	0.76	0.52	0.66	0.28	0.81	0.77	0.29	0.80	0.78	0.76	0.91	0.79	0.77	0.82	0.36	0.34	0.20	0.93	0.34	0.91	0.77	0.52	0.43	0.00	0.02	0.02	0.02	0.11	0.05	0.07	0.02	0.04	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.02	0.02	0.00	0.00	1.00	1.00	1.00
4	22	20	0.75	0.53	0.68	0.35	0.83	0.94	0.36	0.63	0.77	0.75	0.93	0.73	0.75	0.76	0.50	0.48	0.17	0.92	0.40	0.75	0.72	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	21	0.75	0.53	0.62	0.38	0.80	0.92	0.41	0.54	0.78	0.75	0.96	0.74	0.75	0.77	0.48	0.46	0.27	0.92	0.43	0.73	0.69	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	22	0.59	0.55	0.57	0.40	0.76	0.67	0.47	0.48	0.62	0.58	0.92	0.83	0.59	0.85	0.42	0.40	0.49	0.74	0.34	0.49	0.63	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	23	0.53	0.56	0.53	0.30	0.69	0.50	0.53	0.52	0.57	0.52	0.87	0.90	0.54	0.91	0.47	0.45	0.46	0.62	0.33	0.38	0.62	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	22	24	0.52	0.51	0.48	0.23	0.60	0.43	0.58	0.62	0.56	0.51	0.86	0.89	0.53	0.91	0.45	0.43	0.44	0.69	0.28	0.36	0.59	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	1	0.49	0.53	0.46	0.19	0.47	0.35	0.64	0.69	0.53	0.48	0.89	0.90	0.50	0.91	0.41	0.39	0.45	0.64	0.32	0.33	0.60	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	2	0.48	0.46	0.42	0.20	0.34	0.36	0.66	0.72	0.52	0.47	0.87	0.92	0.49	0.93	0.38	0.36	0.44	0.54	0.37	0.41	0.58	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	3	0.51	0.34	0.42	0.22	0.23	0.33	0.63	0.76	0.55	0.50	0.84	0.90	0.51	0.92	0.35	0.33	0.48	0.39	0.32	0.38	0.55	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	4	0.53	0.29	0.41	0.22	0.14	0.34	0.61	0.80	0.57	0.52	0.83	0.85	0.53	0.87	0.30	0.28	0.59	0.25	0.28	0.28	0.49	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	5	0.47	0.28	0.38	0.21	0.04	0.33	0.61	0.81	0.51	0.46	0.75	0.78	0.48	0.81	0.26	0.24	0.67	0.14	0.23	0.21	0.40	0.28	0.17	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
4	23	6	0.41	0.25	0.33	0.20	0.01	0.28	0.58	0.81	0.45	0.40	0.63	0.60	0.42	0.64	0.22	0.20	0.71	0.08	0.18	0.15	0.27	0.25	0.14	0.00	0.04	0.16	0.04	0.09	0.01	0.01	0.06	0.00	0.05	0.10	0.08	0.09	0.12	0.09	0.09	0.16	0.11	0.23	0.40	1.00	1.00	1.00
4	23	7	0.37	0.22	0.22	0.19	0.00	0.21	0.53	0.79	0.42	0.36	0.57	0.51	0.37	0.56	0.13	0.11	0.72	0.03	0.16	0.10	0.21	0.22	0.11	0.03	0.30	0.33	0.30	0.56	0.45	0.45	0.43	0.32	0.39	0.47	0.36	0.47	0.55	0.42	0.47	0.19	0.28	0.51	0.63	1.00	1.00	1.00
4	23	8	0.26	0.26	0.13	0.15	0.00	0.06	0.45	0.71	0.32	0.25	0.52	0.62	0.27	0.66	0.08	0.06	0.70	0.01	0.12	0.09	0.34	0.26	0.15	0.24	0.54	0.47	0.53	0.84	0.74	0.69	0.67	0.68	0.68	0.71	0.53	0.60	0.81	0.64	0.60	0.21	0.42	0.74	0.92	1.00	1.00	1.00
4	23	9	0.12	0.35	0.07	0.15	0.00	0.10	0.45	0.57	0.18	0.11	0.46	0.67	0.13	0.72	0.06	0.04	0.67	0.00	0.07	0.16	0.66	0.35	0.25	0.51	0.76	0.60	0.75	0.97	0.88	0.88	0.79	0.90	0.85	0.99	0.93	0.89	0.94	0.69	0.88	0.35	0.50	0.81	1.00	1.00	1.00	1.00
4	23	10	0.03	0.50	0.02	0.17	0.00	0.11	0.48	0.36	0.08	0.02	0.43	0.48	0.04	0.54	0.05	0.03	0.62	0.01	0.11	0.22	0.80	0.50	0.41	0.70	0.88	0.68	0.86	0.99	0.96	0.96	0.79	1.00	1.00	0.98	1.00	0.98	0.90	0.93	0.97	0.47	0.57	0.85	1.00	1.00	1.00	1.00
4	23	11	0.01	0.67	0.00	0.13	0.00	0.15	0.51	0.19	0.06	0.00	0.39	0.22	0.02	0.29	0.04	0.02	0.61	0.01	0.09	0.31	0.84	0.67	0.60	0.83	0.96	0.66	0.94	1.00	0.99	0.96	0.89	1.00	1.00	1.00	0.88	0.99	1.00	1.00	0.98	0.53	0.65	0.89	1.00	1.00	1.00	1.00
4	23	12	0.04	0.79	0.00	0.10	0.00	0.16	0.53	0.13	0.09	0.03	0.37	0.11	0.05	0.19	0.03	0.02	0.60	0.04	0.17	0.38	0.83	0.79	0.75	0.85	0.94	0.73	0.92	1.00	0.98	0.98	0.90	1.00	1.00	1.00	0.52	1.00	0.95	1.00	1.00	0.62	0.61	0.91	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
4	23	13	0.09	0.91	0.00	0.08	0.00	0.19	0.59	0.17	0.14	0.08	0.37	0.05
4	23	14	0.16	0.94	0.00	0.06	0.00	0.20	0.63	0.30	0.22	0.15	0.40	0.03
4	23	15	0.20	0.96	0.00	0.05	0.00	0.21	0.68	0.50	0.25	0.19	0.45	0.05
4	23	16	0.27	0.95	0.00	0.05	0.02	0.22	0.70	0.68	0.32	0.26	0.51	0.11
4	23	17	0.34	0.95	0.00	0.04	0.17	0.23	0.69	0.78	0.40	0.34	0.56	0.35
4	23	18	0.36	0.80	0.04	0.05	0.46	0.26	0.69	0.81	0.41	0.36	0.57	0.50
4	23	19	0.42	0.72	0.15	0.06	0.71	0.43	0.68	0.83	0.47	0.42	0.57	0.53
4	23	20	0.46	0.73	0.28	0.15	0.79	0.78	0.66	0.82	0.50	0.45	0.69	0.57
4	23	21	0.46	0.81	0.29	0.17	0.78	0.81	0.62	0.76	0.50	0.45	0.75	0.70
4	23	22	0.38	0.90	0.29	0.14	0.76	0.76	0.61	0.65	0.43	0.37	0.67	0.69
4	23	23	0.31	0.89	0.29	0.11	0.76	0.52	0.62	0.52	0.36	0.30	0.62	0.62
4	23	24	0.30	0.95	0.29	0.08	0.77	0.34	0.64	0.43	0.36	0.30	0.64	0.64
4	24	1	0.32	0.97	0.28	0.04	0.75	0.29	0.64	0.40	0.38	0.31	0.60	0.53
4	24	2	0.29	0.93	0.28	0.02	0.72	0.33	0.62	0.36	0.34	0.28	0.55	0.32
4	24	3	0.20	0.84	0.33	0.02	0.69	0.30	0.60	0.33	0.26	0.19	0.45	0.19
4	24	4	0.09	0.80	0.42	0.02	0.62	0.11	0.50	0.25	0.14	0.08	0.38	0.11
4	24	5	0.03	0.78	0.39	0.02	0.54	0.04	0.40	0.16	0.08	0.02	0.33	0.02
4	24	6	0.00	0.76	0.32	0.02	0.47	0.10	0.34	0.13	0.03	0.00	0.28	0.00
4	24	7	0.00	0.75	0.25	0.01	0.32	0.16	0.31	0.07	0.01	0.00	0.21	0.00
4	24	8	0.00	0.83	0.18	0.00	0.13	0.06	0.26	0.01	0.00	0.00	0.15	0.00
4	24	9	0.00	0.94	0.24	0.00	0.02	0.03	0.21	0.00	0.04	0.00	0.11	0.00
4	24	10	0.07	0.97	0.30	0.00	0.00	0.02	0.21	0.00	0.13	0.06	0.07	0.00
4	24	11	0.17	0.98	0.35	0.00	0.00	0.03	0.22	0.00	0.23	0.16	0.04	0.00
4	24	12	0.16	0.99	0.42	0.00	0.00	0.04	0.23	0.00	0.22	0.15	0.01	0.00
4	24	13	0.17	1.00	0.52	0.01	0.00	0.07	0.23	0.00	0.23	0.16	0.02	0.00
4	24	14	0.20	1.00	0.63	0.01	0.00	0.10	0.28	0.00	0.26	0.20	0.04	0.00
4	24	15	0.19	0.99	0.73	0.02	0.00	0.12	0.36	0.02	0.25	0.18	0.09	0.00
4	24	16	0.22	0.98	0.78	0.03	0.00	0.15	0.45	0.15	0.28	0.21	0.17	0.00
4	24	17	0.34	0.92	0.78	0.04	0.03	0.16	0.53	0.38	0.39	0.33	0.25	0.00
4	24	18	0.41	0.90	0.76	0.07	0.22	0.16	0.60	0.57	0.45	0.40	0.30	0.01
4	24	19	0.49	0.82	0.67	0.18	0.58	0.18	0.67	0.67	0.54	0.49	0.29	0.01
4	24	20	0.44	0.85	0.63	0.26	0.75	0.50	0.68	0.68	0.49	0.44	0.28	0.12
4	24	21	0.31	0.74	0.62	0.24	0.76	0.53	0.67	0.62	0.36	0.30	0.23	0.16
4	24	22	0.23	0.66	0.56	0.21	0.75	0.54	0.65	0.58	0.29	0.22	0.18	0.17
4	24	23	0.24	0.63	0.48	0.20	0.76	0.43	0.62	0.53	0.30	0.23	0.17	0.13
4	24	24	0.20	0.67	0.40	0.18	0.75	0.37	0.60	0.41	0.26	0.19	0.13	0.05
4	25	1	0.17	0.67	0.36	0.18	0.73	0.27	0.57	0.30	0.23	0.16	0.07	0.01
4	25	2	0.11	0.51	0.35	0.17	0.73	0.26	0.57	0.26	0.17	0.11	0.05	0.00
4	25	3	0.06	0.48	0.31	0.15	0.72	0.27	0.55	0.24	0.11	0.05	0.06	0.00
4	25	4	0.01	0.38	0.31	0.13	0.72	0.32	0.51	0.21	0.07	0.00	0.05	0.00
4	25	5	0.00	0.45	0.35	0.11	0.74	0.30	0.49	0.16	0.03	0.00	0.00	0.00
4	25	6	0.00	0.38	0.40	0.11	0.75	0.22	0.49	0.12	0.02	0.00	0.00	0.00
4	25	7	0.00	0.23	0.41	0.07	0.68	0.19	0.46	0.04	0.00	0.00	0.00	0.00
4	25	8	0.00	0.16	0.38	0.02	0.57	0.09	0.44	0.00	0.00	0.00	0.00	0.00
4	25	9	0.00	0.10	0.37	0.02	0.49	0.04	0.45	0.00	0.00	0.00	0.00	0.00
4	25	10	0.00	0.17	0.40	0.03	0.42	0.06	0.48	0.00	0.00	0.00	0.00	0.00
4	25	11	0.00	0.25	0.43	0.05	0.35	0.10	0.52	0.00	0.00	0.00	0.00	0.00
4	25	12	0.00	0.29	0.53	0.08	0.31	0.10	0.57	0.00	0.01	0.00	0.00	0.00
4	25	13	0.00	0.28	0.61	0.10	0.31	0.16	0.65	0.04	0.02	0.00	0.02	0.00
4	25	14	0.02	0.27	0.66	0.15	0.42	0.25	0.72	0.19	0.07	0.01	0.14	0.00
4	25	15	0.15	0.31	0.67	0.13	0.57	0.40	0.77	0.45	0.21	0.14	0.32	0.01
4	25	16	0.25	0.32	0.69	0.15	0.69	0.54	0.81	0.67	0.30	0.24	0.46	0.10
4	25	17	0.30	0.32	0.74	0.22	0.78	0.77	0.82	0.78	0.35	0.29	0.54	0.37
4	25	18	0.39	0.34	0.78	0.25	0.84	0.84	0.84	0.85	0.43	0.38	0.55	0.44
4	25	19	0.45	0.31	0.78	0.44	0.89	0.96	0.87	0.82	0.50	0.45	0.56	0.44
4	25	20	0.46	0.28	0.77	0.56	0.91	0.95	0.88	0.78	0.50	0.45	0.56	0.49
4	25	21	0.42	0.31	0.76	0.60	0.89	0.94	0.89	0.78	0.47	0.42	0.64	0.63
4	25	22	0.38	0.26	0.79	0.60	0.83	0.90	0.91	0.80	0.43	0.37	0.68	0.66
4	25	23	0.35	0.21	0.76	0.61	0.67	0.87	0.91	0.82	0.40	0.34	0.66	0.64
4	25	24	0.36	0.18	0.69	0.63	0.41	0.83	0.89	0.84	0.41	0.35	0.64	0.72
4	26	1	0.31	0.15	0.63	0.63	0.23	0.82	0.86	0.82	0.36	0.30	0.58	0.69
4	26	2	0.28	0.09	0.64	0.63	0.12	0.83	0.86	0.75	0.34	0.28	0.51	0.63
4	26	3	0.31	0.08	0.72	0.63	0.09	0.81	0.86	0.73	0.37	0.30	0.46	0.63
4	26	4	0.28	0.13	0.72	0.60	0.14	0.77	0.86	0.74	0.34	0.27	0.35	0.70
4	26	5	0.24	0.13	0.70	0.61	0.23	0.73	0.85	0.74	0.29	0.23	0.20	0.67
4	26	6	0.31	0.11	0.63	0.63	0.20	0.57	0.84	0.73	0.37	0.30	0.17	0.58
4	26	7	0.16	0.07	0.50	0.61	0.07	0.36	0.82	0.64	0.22	0.15	0.15	0.53
4	26	8	0.13	0.10	0.41	0.51	0.01	0.29	0.80	0.50	0.18	0.12	0.07	0.37
4	26	9	0.22	0.11	0.33	0.45	0.00	0.34	0.78	0.39	0.28	0.21	0.03	0.15
4	26	10	0.23	0.12	0.18	0.42	0.00	0.28	0.77	0.39	0.29	0.22	0.01	0.01
4	26	11	0.17	0.13	0.12	0.37	0.00	0.25	0.76	0.40	0.23	0.16	0.00	0.00
4	26	12	0.16	0.17	0.12	0.30	0.00	0.22	0.76	0.33	0.22	0.15	0.00	0.00
4	26	13	0.19	0.18	0.15	0.23	0.00	0.21	0.78	0.27	0.25	0.18	0.00	0.00
4	26	14	0.24	0.21	0.18	0.19	0.00	0.18	0.77	0.20	0.29	0.23	0.00	0.00
4	26	15	0.25	0.24	0.24	0.15	0.00	0.15	0.77	0.16	0.31	0.24	0.00	0.00
4	26	16	0.24	0.32	0.36	0.13	0.05	0.13	0.78	0.21	0.30	0.23	0.03	0.00
4	26	17	0.27	0.46	0.49	0.13	0.26	0.11	0.77	0.35	0.33	0.26	0.12	0.00
4	26	18	0.38	0.50	0.60	0.14	0.47	0.08	0.75	0.48	0.42	0.37	0.19	0.00
4	26	19	0.46	0.52	0.60	0.20	0.63	0.18	0.75	0.59	0.51	0.46	0.15	0.00
4	26	20	0.54	0.44	0.57	0.25	0.66	0.52	0.74	0.67	0.58	0.54	0.09	0.00
4	26	21	0.52	0.49	0.57	0.25	0.66	0.52	0.69	0.67	0.56	0.52	0.07	0.00
4	26	22	0.46	0.42	0.56	0.25	0.62	0.37	0.65	0.65	0.51	0.45	0.09	0.00
4	26	23	0.29	0.19	0.60	0.25	0.54	0.19	0.62	0.61	0.34	0.28	0.09	0.00
4	26	24	0.26	0.06	0.60	0.26	0.43	0.13	0.56	0.56	0.32	0.25	0.10	0.01
4	27	1	0.27	0.05	0.59	0.26	0.27	0.07	0.49	0.49	0.32	0.26	0.10	0.00
4	27	2	0.16	0.14	0.50	0.26	0.09	0.03	0.39	0.39	0.22	0.15	0.17	0.00
4	27	3	0.07	0.20	0.38	0.26	0.01	0.02	0.32	0.30	0.12	0.06	0.29	0.00
4	27	4	0.05	0.22	0.32	0.28	0.00	0.04	0.24	0.23	0.11	0.04	0.27	0.00
4	27	5	0.04	0.24	0.31	0.26	0.00	0.04	0.17	0.16	0.10	0.03	0.34	0.00
4	27	6	0.04	0.31	0.27	0.24	0.00	0.03	0.12	0.07	0.10	0.03	0.42	0.00
4	27	7	0.00	0.23	0.22	0.20	0.00	0.02	0.07	0.01	0.05	0.00	0.42	0.00
4	27	8	0.00	0.19	0.19	0.10	0.00	0.01	0.02	0.01	0.04	0.00	0.39	0.00
4	27	9	0.00	0.17	0.20	0.07	0.00	0.00	0.00	0.04	0.05	0.00	0.36	0.03
4	27	10	0.01	0.17	0.20	0.06	0.00	0.01	0.00	0.04	0.07	0.00	0.35	0.06
4	27	11	0.02	0.18	0.22	0.06	0.00	0.01	0.00	0.02	0.07	0.01	0.39	0.06
4	27	12	0.03	0.16	0.26	0.06	0.00	0.00	0.01	0.00	0.09	0.02	0.33	0.07
4	27	13	0.02	0.13	0.29	0.06	0.00	0.00	0.04	0.00	0.08	0.01	0.26	0.08
4	27	14	0.03	0.12	0.33	0.05	0.00	0.00	0.08	0.00	0.09	0.02	0.19	0.07
4	27	15	0.03	0.11	0.43	0.04	0.00	0.01	0.13	0.00	0.09	0.02	0.12	0.06
4	27	16	0.03	0.11	0.52	0.04	0.00	0.01	0.21	0.00	0.09	0.02	0.06	0.05
4	27	17	0.02	0.12	0.58	0.04	0.00	0.03	0.31	0.01	0.08	0.01	0.02	0.02
4	27	18	0.04	0.16	0.59	0.03	0.02	0.07	0.41	0.08	0.10	0.03	0.00	0.01
4	27	19	0.23	0.24	0.54	0.06	0.10	0.15	0.47	0.34	0.29	0.22	0.01	0.02
4	27	20	0.20	0.34	0.56	0.11	0.15	0.15	0.51	0.38	0.26	0.19	0.06	0.07
4	27	21	0.17	0.38	0.57	0.11	0.10	0.16	0.51	0.36	0.22	0.16	0.11	0.09
4	27	22	0.13	0.39	0.56	0.08	0.03	0.20	0.53	0.33	0.19	0.12	0.06	0.06
4	27	23	0.08	0.28	0.61	0.06	0.01	0.26	0.54	0.26	0.13	0.07	0.00	0.02
4	27	24	0.04	0.22	0.65	0.06	0.00	0.30	0.52	0.18	0.10	0.03	0.00	0.02
4	28	1	0.01	0.25	0.68	0.05	0.00	0.28	0.48	0.14	0.07	0.00	0.00	0.01
4	28	2	0.00	0.31	0.65	0.04	0.00	0.21	0.47	0.19	0.04	0.00	0.00	0.00
4	28	3	0.00	0.31	0.63	0.04	0.00	0.18	0.42	0.26	0.04	0.00	0.00	0.00
4	28	4	0.00	0.26	0.61	0.05	0.00	0.15	0.32	0.27	0.04	0.00	0.00	0.00
4	28	5	0.00	0.26	0.65	0.06	0.00	0.09	0.18	0.23	0.00	0.00	0.04	0.00
4	28	6	0.00	0.23	0.66	0.07	0.00	0.05	0.05	0.15	0.00	0.00	0.12	0.00
4	28	7	0.00	0.17	0.49	0.07	0.00	0.03	0.00	0.05	0.00	0.00	0.11	0.00
4	28	8	0.00	0.16	0.33	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00
4	28	9	0.00	0.18	0.30	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	10	0.00	0.29	0.32	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	11	0.00	0.39	0.30	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	12	0.00	0.44	0.27	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	13	0.00	0.50	0.28	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	14	0.00	0.52	0.31	0.18	0.00	0.02	0.05	0.00	0.00	0.00	0.00	0.00
4	28	15	0.00	0.51	0.35	0.22	0.00	0.02	0.17	0.01	0.00	0.00	0.01	0.00
4	28	16	0.00	0.47	0.40	0.24	0.01	0.27	0.30	0.11	0.02	0.00	0.13	0.00
4	28	17	0.05	0.38	0.44	0.29	0.06	0.78	0.42	0.32	0.10	0.04	0.34	0.00
4	28	18	0.20	0.41	0.46	0.32	0.23	0.70	0.51	0.49	0.26	0.19	0.40	0.01
4	28	19	0.28	0.31	0.51	0.47	0.46	0.85	0.61	0.66	0.33	0.27	0.42	0.19
4	28	20	0.39	0.37	0.57	0.55	0.51	0.93	0.62	0.77	0.44	0.38	0.38	0.33
4	28	21	0.49	0.38	0.49	0.47	0.47	0.81	0.60	0.83	0.53	0.48	0.42	0.37
4	28	22	0.46	0.35	0.40	0.40	0.44	0.68	0.59	0.87	0.50	0.45	0.45	0.41
4	28	23	0.42	0.30	0.33	0.39	0.45	0.60	0.58	0.83	0.46	0.41	0.44	0.39
4	28	24	0.38	0.23	0.18	0.47	0.44	0.55	0.54	0.80	0.43	0.37	0.32	0.35
4	29	1	0.32	0.16	0.10	0.51	0.40	0.38	0.51	0.76	0.38	0.32	0.21	0.30
4	29	2	0.27	0.13	0.08	0.46	0.33	0.40	0.47	0.65	0.32	0.26	0.13	0.16
4	29	3	0.26	0.12	0.07	0.33	0.29	0.36	0.45	0.56	0.31	0.25	0.06	0.08

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_fo	IID_Solar_fo	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
4	23	13	0.10	0.12	0.04	0.02	0.62	0.14	0.12	0.47	0.77	0.91	0.89	0.87	0.95	0.68	0.94	1.00	0.97	0.97	0.87
4	23	14	0.17	0.09	0.04	0.02	0.65	0.10	0.11	0.49	0.85	0.94	0.93	0.85	0.95	0.66	0.93	1.00	0.96	0.96	0.93
4	23	15	0.21	0.12	0.04	0.03	0.64	0.11	0.12	0.54	0.90	0.96	0.95	0.73	0.86	0.60	0.85	1.00	0.94	0.94	0.83
4	23	16	0.28	0.17	0.05	0.03	0.62	0.10	0.13	0.60	0.68	0.95	0.94	0.59	0.78	0.63	0.77	0.97	0.89	0.88	0.81
4	23	17	0.35	0.42	0.06	0.04	0.68	0.05	0.23	0.56	0.67	0.96	0.94	0.37	0.60	0.49	0.59	0.86	0.77	0.75	0.69
4	23	18	0.37	0.56	0.08	0.06	0.72	0.02	0.20	0.36	0.72	0.80	0.76	0.10	0.31	0.23	0.31	0.60	0.49	0.48	0.43
4	23	19	0.43	0.58	0.14	0.11	0.75	0.02	0.19	0.32	0.81	0.72	0.67	0.00	0.05	0.03	0.05	0.21	0.15	0.13	0.07
4	23	20	0.46	0.62	0.18	0.16	0.75	0.03	0.15	0.30	0.76	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	23	21	0.46	0.74	0.21	0.18	0.75	0.03	0.13	0.29	0.78	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	23	22	0.39	0.73	0.23	0.20	0.77	0.04	0.14	0.28	0.84	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	23	23	0.31	0.66	0.26	0.24	0.78	0.07	0.13	0.25	0.82	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	23	24	0.31	0.68	0.28	0.26	0.76	0.12	0.16	0.23	0.79	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	1	0.33	0.58	0.31	0.29	0.73	0.19	0.21	0.22	0.79	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	2	0.30	0.38	0.32	0.30	0.66	0.13	0.21	0.27	0.79	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	3	0.21	0.26	0.32	0.30	0.58	0.09	0.27	0.23	0.74	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	4	0.10	0.18	0.35	0.32	0.49	0.07	0.30	0.25	0.73	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	5	0.03	0.08	0.36	0.34	0.36	0.07	0.34	0.26	0.69	0.78	0.73	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	24	6	0.00	0.05	0.36	0.34	0.26	0.10	0.34	0.27	0.58	0.76	0.70	0.00	0.07	0.26	0.06	0.05	0.01	0.01	0.08
4	24	7	0.00	0.04	0.34	0.32	0.14	0.10	0.40	0.25	0.42	0.75	0.70	0.03	0.36	0.60	0.36	0.48	0.43	0.46	0.51
4	24	8	0.00	0.04	0.33	0.31	0.07	0.11	0.47	0.25	0.30	0.82	0.79	0.29	0.63	0.82	0.62	0.79	0.73	0.74	0.78
4	24	9	0.00	0.06	0.34	0.32	0.07	0.15	0.44	0.26	0.24	0.94	0.92	0.55	0.82	0.92	0.80	0.96	0.89	0.88	0.93
4	24	10	0.08	0.04	0.38	0.36	0.06	0.19	0.44	0.30	0.23	0.97	0.96	0.74	0.93	0.94	0.92	1.00	0.97	0.95	0.99
4	24	11	0.18	0.04	0.40	0.38	0.06	0.25	0.51	0.35	0.22	0.98	0.97	0.85	0.98	0.94	0.96	1.00	0.99	0.98	0.99
4	24	12	0.17	0.04	0.42	0.40	0.07	0.35	0.58	0.40	0.25	0.99	0.99	0.90	1.00	1.00	0.98	1.00	0.98	0.97	1.00
4	24	13	0.18	0.04	0.42	0.40	0.06	0.45	0.55	0.43	0.25	1.00	1.00	0.91	0.99	0.98	0.97	1.00	0.96	0.96	0.99
4	24	14	0.21	0.03	0.43	0.41	0.06	0.52	0.50	0.44	0.26	1.00	1.00	0.87	0.97	0.95	0.95	1.00	0.95	0.94	0.98
4	24	15	0.20	0.03	0.42	0.40	0.09	0.55	0.42	0.44	0.31	0.99	0.99	0.77	0.92	0.85	0.90	0.96	0.93	0.92	0.96
4	24	16	0.23	0.04	0.42	0.40	0.12	0.57	0.29	0.42	0.32	0.98	0.97	0.62	0.82	0.79	0.80	0.95	0.88	0.87	0.90
4	24	17	0.34	0.05	0.42	0.40	0.14	0.57	0.20	0.39	0.33	0.92	0.90	0.38	0.62	0.64	0.61	0.85	0.76	0.73	0.72
4	24	18	0.42	0.08	0.42	0.40	0.13	0.46	0.14	0.33	0.32	0.91	0.88	0.09	0.30	0.29	0.29	0.56	0.48	0.47	0.44
4	24	19	0.50	0.08	0.40	0.38	0.18	0.43	0.09	0.31	0.40	0.81	0.78	0.00	0.04	0.04	0.04	0.20	0.15	0.13	0.08
4	24	20	0.45	0.20	0.38	0.36	0.18	0.40	0.07	0.31	0.50	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	21	0.32	0.23	0.35	0.33	0.18	0.29	0.07	0.27	0.55	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	22	0.24	0.25	0.34	0.32	0.17	0.16	0.07	0.23	0.60	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	23	0.25	0.21	0.32	0.30	0.13	0.05	0.05	0.21	0.65	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	24	24	0.21	0.12	0.27	0.24	0.10	0.02	0.05	0.18	0.41	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	1	0.18	0.08	0.25	0.23	0.07	0.01	0.05	0.17	0.17	0.67	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	2	0.12	0.05	0.24	0.22	0.05	0.00	0.06	0.15	0.06	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	3	0.07	0.03	0.25	0.23	0.04	0.00	0.07	0.12	0.02	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	4	0.02	0.02	0.23	0.21	0.06	0.00	0.08	0.11	0.01	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	5	0.00	0.03	0.19	0.16	0.12	0.01	0.09	0.09	0.01	0.45	0.34	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
4	25	6	0.00	0.06	0.15	0.12	0.18	0.02	0.08	0.08	0.00	0.38	0.27	0.00	0.07	0.32	0.07	0.07	0.00	0.01	0.08
4	25	7	0.00	0.06	0.09	0.08	0.21	0.02	0.06	0.06	0.00	0.23	0.12	0.03	0.35	0.64	0.35	0.49	0.34	0.45	0.51
4	25	8	0.00	0.02	0.06	0.05	0.18	0.00	0.06	0.03	0.00	0.16	0.06	0.28	0.61	0.87	0.60	0.72	0.63	0.74	0.77
4	25	9	0.00	0.01	0.08	0.06	0.14	0.00	0.06	0.01	0.00	0.10	0.02	0.53	0.78	0.99	0.77	0.74	0.75	0.88	0.90
4	25	10	0.00	0.01	0.11	0.09	0.11	0.00	0.05	0.00	0.00	0.17	0.07	0.70	0.89	1.00	0.87	0.77	0.82	0.95	0.97
4	25	11	0.00	0.01	0.16	0.14	0.11	0.00	0.04	0.00	0.00	0.25	0.13	0.80	0.93	1.00	0.92	0.73	0.86	0.96	0.99
4	25	12	0.00	0.01	0.22	0.20	0.12	0.00	0.03	0.00	0.00	0.29	0.17	0.85	0.94	1.00	0.92	0.64	0.84	0.95	0.99
4	25	13	0.00	0.02	0.26	0.24	0.17	0.00	0.02	0.01	0.00	0.28	0.17	0.82	0.91	1.00	0.89	0.49	0.71	0.92	0.94
4	25	14	0.03	0.04	0.30	0.27	0.29	0.00	0.02	0.02	0.00	0.27	0.17	0.77	0.87	0.96	0.85	0.48	0.68	0.68	0.93
4	25	15	0.16	0.08	0.35	0.33	0.36	0.00	0.01	0.03	0.02	0.31	0.20	0.66	0.78	0.88	0.77	0.47	0.37	0.63	0.84
4	25	16	0.26	0.16	0.42	0.40	0.45	0.00	0.01	0.03	0.05	0.32	0.21	0.51	0.67	0.70	0.66	0.53	0.38	0.36	0.73
4	25	17	0.31	0.44	0.48	0.46	0.39	0.00	0.02	0.03	0.07	0.32	0.21	0.33	0.53	0.51	0.52	0.67	0.44	0.39	0.53
4	25	18	0.39	0.50	0.57	0.55	0.31	0.00	0.07	0.04	0.07	0.34	0.22	0.08	0.26	0.21	0.25	0.48	0.33	0.24	0.29
4	25	19	0.46	0.50	0.59	0.58	0.30	0.00	0.14	0.05	0.14	0.31	0.20	0.00	0.03	0.02	0.03	0.17	0.08	0.02	0.03
4	25	20	0.46	0.54	0.62	0.61	0.46	0.03	0.20	0.05	0.26	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	21	0.43	0.67	0.58	0.57	0.42	0.04	0.21	0.12	0.30	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	22	0.39	0.70	0.56	0.54	0.56	0.05	0.20	0.23	0.50	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	23	0.36	0.67	0.54	0.52	0.70	0.04	0.17	0.25	0.62	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	25	24	0.37	0.75	0.47	0.45	0.74	0.04	0.16	0.22	0.35	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	1	0.32	0.73	0.37	0.35	0.86	0.05	0.18	0.15	0.12	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	2	0.29	0.67	0.28	0.26	0.86	0.03	0.25	0.08	0.06	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	3	0.32	0.67	0.24	0.21	0.81	0.02	0.27	0.06	0.04	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	4	0.29	0.74	0.22	0.20	0.71	0.02	0.30	0.03	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	5	0.25	0.71	0.16	0.14	0.52	0.01	0.39	0.03	0.00	0.13	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	26	6	0.32	0.63	0.08	0.06	0.36	0.01	0.46	0.03	0.00	0.11	0.02	0.00	0.05	0.26	0.05	0.10	0.01	0.01	0.07
4	26	7	0.17	0.58	0.03	0.02	0.22	0.03	0.51	0.03	0.00	0.07	0.00	0.03	0.34	0.59	0.33	0.56	0.44	0.45	0.50
4	26	8	0.14	0.43	0.02	0.01	0.18	0.02	0.50	0.05	0.00	0.10	0.02	0.28	0.61	0.81	0.60	0.84	0.75	0.74	0.74
4	26	9	0.23	0.22	0.03	0.01	0.17	0.04	0.46	0.05	0.00	0.11	0.02	0.53	0.80	0.94	0.78	0.96	0.88	0.88	0.91
4	26	10	0.24	0.05	0.04	0.03	0.15	0.08	0.39	0.04	0.00	0.12	0.03	0.71	0.90	0.99	0.88	0.98	0.95	0.95	0.98
4	26	11	0.18	0.00	0.06	0.05	0.13	0.10	0.33	0.03	0.02	0.13	0.04	0.82	0.95	1.00	0.93	1.00	0.97	0.97	1.00
4	26	12	0.17	0.00	0.08	0.06	0.11	0.11	0.36	0.03	0.02	0.17	0.06	0.87	0.96	0.99	0.95	1.00	0.97	0.96	0.99
4	26	13	0.20	0.01	0.11	0.09	0.10	0.15	0.53	0.03	0.03	0.18	0.08	0.85	0.93	0.99	0.91	1.00	0.95	0.94	0.98
4	26	14	0.25	0.03	0.16	0.14	0.11	0.19	0.50	0.05	0.03	0.21	0.10	0.83	0.94	0.95	0.92	1.00	0.93	0.93	0.97
4	26	15	0.26	0.04	0.21	0.19	0.11	0.26	0.51	0.08	0.01	0.24	0.13	0.74	0.88	0.88	0.86	1.00	0.90	0.91	0.95
4	26	16	0.25	0.05	0.26	0.23	0.11	0.32	0.52	0.09	0.02	0.32	0.21	0.60	0.80	0.81	0.79	0.94	0.86	0.85	0.90
4	26	17	0.28	0.04	0.27	0.25	0.12	0.40	0.31	0.14	0.02	0.46	0.36	0.36	0.61	0.62	0.59	0.82	0.74	0.71	0.75
4	26	18	0.38	0.02	0.24	0.22	0.14	0.49	0.19	0.16	0.02	0.50	0.40	0.09	0.29	0.29	0.29	0.53	0.47	0.43	0.43
4	26	19	0.47	0.01	0.20	0.18	0.18	0.53	0.16	0.20	0.03	0.52	0.42	0.00	0.05	0.04	0.05	0.20	0.15	0.12	0.08
4	26	20	0.55	0.02	0.17	0.15	0.17	0.54	0.12	0.22	0.06	0.44	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	21	0.53	0.02	0.18	0.15	0.14	0.44	0.09	0.18	0.10	0.49	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	22	0.47	0.05	0.19	0.17	0.12	0.32	0.09	0.22	0.26	0.42	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	23	0.30	0.06	0.23	0.21	0.13	0.22	0.10	0.16	0.39	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	26	24	0.27	0.08	0.23	0.20	0.14	0.16	0.10	0.17	0.40	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	1	0.28	0.07	0.19	0.17	0.12	0.08	0.16	0.21	0.29	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	2	0.17	0.04	0.15	0.13	0.09	0.05	0.19	0.19	0.17	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	3	0.08	0.03	0.12	0.10	0.08	0.04	0.20	0.19	0.11	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	4	0.06	0.02	0.10	0.08	0.07	0.03	0.24	0.27	0.10	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	5	0.05	0.02	0.09	0.07	0.05	0.03	0.30	0.29	0.08	0.24	0.13	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
4	27	6	0.05	0.04	0.09	0.07	0.04	0.03	0.24	0.31	0.07	0.31	0.19	0.00	0.08	0.32	0.07	0.09	0.01	0.02	0.10
4	27	7	0.00	0.06	0.09	0.07	0.02	0.03	0.14	0.25	0.05	0.23	0.12	0.04	0.36	0.63	0.35	0.52	0.45	0.43	0.51
4	27	8	0.00	0.06	0.09	0.07	0.01	0.02	0.13	0.19	0.05	0.19	0.09	0.29	0.62	0.85	0.61	0.80	0.74	0.72	0.76
4	27	9	0.01	0.10	0.11	0.09	0.01	0.04	0.15	0.16	0.06	0.17	0.07	0.53	0.80	0.97	0.78	0.93	0.86	0.86	0.89
4	27	10	0.02	0.13	0.15	0.13	0.01	0.07	0.18	0.11	0.07	0.17	0.06	0.71	0.90	1.00	0.89	0.98	0.92	0.92	0.95
4	27	11	0.03	0.13	0.19	0.17	0.01	0.09	0.20	0.05	0.07	0.18	0.07	0.81	0.94	1.00	0.93	1.00	0.93	0.93	0.97
4	27	12	0.04	0.14	0.22	0.20	0.01	0.09	0.21	0.01	0.06	0.16	0.06	0.87	0.97	1.00	0.95	1.00	0.93	0.93	0.97
4	27	13	0.03	0.15	0.25	0.23	0.01	0.09	0.24	0.00	0.04	0.13	0.04	0.88	0.96	1.00	0.95	1.00	0.91	0.91	0.96
4	27	14	0.04	0.14	0.28	0.26	0.01	0.08	0.24	0.00	0.03	0.12	0.03	0.83	0.94	0.99	0.92	0.99	0.89	0.90	0.93
4	27	15	0.04	0.14	0.30	0.28	0.01	0.09	0.23	0.00	0.03	0.11	0.02	0.75	0.89	0.94	0.87	0.98	0.86	0.88	0.93
4	27	16	0.04	0.12	0.31	0.29	0.01	0.09	0.21	0.02	0.02	0.11	0.02	0.59	0.79	0.85	0.77	0.92	0.81	0.83	0.87
4	27	17	0.03	0.09	0.30	0.27	0.01	0.09	0.18	0.06	0.01	0.12	0.03	0.36	0.60	0.64	0.59	0.81	0.69	0.69	0.73
4	27	18	0.05	0.07	0.25	0.23	0.02	0.09	0.12	0.16	0.01	0.16	0.06	0.09	0.29	0.28	0.29	0.53	0.44	0.41	0.41
4	27	19	0.24	0.09	0.23	0.21	0.03	0.12	0.08	0.32	0.01	0.24	0.13	0.00	0.05	0.04	0.05	0.20	0.14	0.11	0.08
4	27	20	0.21	0.14	0.26	0.24	0.04	0.12	0.04	0.35	0.01	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	21	0.18	0.17	0.29	0.27	0.07	0.10	0.03	0.32	0.10	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	22	0.14	0.14	0.31	0.29	0.17	0.12	0.03	0.29	0.29	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	23	0.09	0.09	0.36	0.34	0.23	0.10	0.05	0.25	0.19	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	27	24	0.05	0.08	0.36	0.34	0.19	0.07	0.07	0.22	0.07	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	1	0.02	0.07	0.31	0.29	0.18	0.04	0.08	0.21	0.08	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	2	0.00	0.03	0.27	0.24	0.24	0.01	0.11	0.22	0.11	0.31	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	3	0.00	0.02	0.23	0.21	0.32	0.00	0.15	0.24	0.12	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	4	0.00	0.02	0.19	0.17	0.43	0.00	0.18	0.25	0.11	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	5	0.00	0.04	0.15	0.13	0.47	0.00	0.20	0.24	0.09	0.26	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	28	6	0.00	0.04	0.12	0.10	0.49	0.00	0.19	0.25	0.07	0.23	0.12	0.00	0.07	0.25	0.07	0.09	0.01	0.02	0.08
4	28	7	0.00	0.01	0.08	0.06	0.42	0.00	0.12	0.23	0.05	0.17	0.07	0.04	0.35	0.53	0.34	0.51	0.41	0.36	0.49
4	28	8	0.00	0.00	0.04	0.02	0.31	0.00	0.07	0.17	0.04	0.16	0.06	0.28	0.60	0.74	0.59	0.76	0.69	0.62	0.74
4	28	9	0.00	0.01	0.03	0.01	0.25	0.00	0.05	0.09	0.05	0.18	0.08	0.52	0.78	0.88	0.76	0.91	0.82	0.80	0.86
4	28	10	0.00	0.01	0.03	0.02	0.22	0.00	0.04	0.01	0.07	0.29	0.18	0.69	0.88	0.93	0.86	0.95	0.89	0.87	0.92
4	28	11	0.00	0.01	0.05	0.04	0.18	0.00	0.04	0.00	0.07	0.39	0.28	0.80	0.93	0.97	0.91	0.97	0.92	0.89	0.95
4	28	12	0.00	0.02	0.09	0.07	0.17	0.00	0.06	0.00	0.07	0.44	0.34	0.84	0.94	0.97	0.92	0.96	0.90	0.89	0.94
4	28	13	0.00	0.01	0.11	0.09	0.17	0.01	0.08	0.00	0.08	0.50	0.41	0.84	0.93	0.95	0.91	0.94	0.89	0.87	0.93
4	28	14	0.00	0.01	0.12	0.10	0.17	0.01	0.08	0.00	0.07	0.52	0.43	0.80	0.91	0.94	0.89	0.89	0.88	0.87	0.92
4	28	15	0.00	0.01	0.13	0.11	0.17	0.00	0.07	0.00	0.08	0.51	0.42	0.72	0.86	0.85	0.84	0.83	0.87	0.85	0.90
4	28	16	0.00	0.02	0.13	0.11	0.20	0.00	0.06	0.00	0.07	0.47	0.37	0.57	0.76	0.74	0.75	0.78	0.81	0.81	0.84
4	28	17	0.06	0.07	0.13	0.11	0.23	0.00	0.06	0.01	0.05	0.38	0.28	0.34	0.57	0.57	0.56	0.64	0.68	0.68	0.70
4	28	18	0.21	0.07	0.12	0.10	0.23	0.00	0.10	0.06	0.06	0.41	0.29	0.09	0.29	0.27	0.28	0.38	0.41	0.43	0.42
4	28	19	0.29	0.26	0.14	0.12	0.24	0.00	0.15	0.15	0.04	0.31	0.20	0.00	0.04	0.05	0.04	0.14	0.13	0.13	0.09
4	28	20	0.40	0.40	0.17	0.14	0.21	0.01	0.19	0.11	0.05	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	21	0.49	0.43	0.17	0.14	0.18	0.01	0.30	0.06	0.11	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	22	0.46	0.47	0.17	0.15	0.15	0.03	0.36	0.10	0.01	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	23	0.42	0.46	0.14	0.12	0.14	0.10	0.37	0.21	0.06	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	28	24	0.39	0.42	0.13	0.11	0.15	0.15	0.38	0.36	0.21	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	1	0.33	0.37	0.12	0.10	0.16	0.11	0.39	0.49	0.18	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	2	0.27	0.24	0.14	0.12	0.19	0.10	0.38	0.45	0.05	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	3	0.27	0.16	0.15	0.13	0.26	0.12	0.38	0.38	0.00	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
4	23	13	1.00	1.00	1.00	0.73	1.00	1.00	1.00	0.99	0.54	0.55	0.93	0.96	1.00	1.00	1.00
4	23	14	1.00	1.00	0.96	0.82	1.00	1.00	0.97	1.00	0.51	0.62	0.77	0.97	1.00	1.00	1.00
4	23	15	1.00	1.00	0.98	0.45	0.95	0.98	0.87	0.95	0.51	0.56	0.77	0.89	1.00	1.00	1.00
4	23	16	0.97	1.00	0.97	0.60	0.77	0.89	0.83	0.76	0.63	0.67	0.75	0.82	1.00	1.00	1.00
4	23	17	0.80	0.83	0.77	0.48	0.63	0.69	0.67	0.62	0.35	0.55	0.52	0.49	1.00	1.00	1.00
4	23	18	0.46	0.48	0.47	0.34	0.33	0.31	0.26	0.33	0.22	0.31	0.21	0.04	1.00	1.00	1.00
4	23	19	0.08	0.05	0.04	0.01	0.01	0.01	0.01	0.01	0.03	0.04	0.00	0.00	1.00	1.00	1.00
4	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.00	1.00	1.00
4	24	6	0.01	0.09	0.17	0.25	0.18	0.14	0.11	0.17	0.18	0.25	0.32	0.47	1.00	1.00	1.00
4	24	7	0.47	0.59	0.62	0.64	0.59	0.56	0.53	0.59	0.55	0.60	0.67	0.79	1.00	1.00	1.00
4	24	8	0.78	0.87	0.87	0.87	0.84	0.78	0.80	0.84	0.79	0.78	0.87	0.90	1.00	1.00	1.00
4	24	9	0.94	1.00	1.00	0.98	0.98	0.93	0.93	0.97	0.77	0.88	0.98	0.91	1.00	1.00	1.00
4	24	10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.90	0.98	0.96	1.00	1.00	1.00
4	24	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.60	0.92	1.00	0.94	1.00	1.00	1.00
4	24	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88	0.94	1.00	0.95	1.00	1.00	1.00
4	24	13	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.85	0.96	1.00	0.82	1.00	1.00	1.00
4	24	14	1.00	1.00	1.00	1.00	1.00	0.98	0.99	1.00	0.83	0.95	0.98	0.76	1.00	1.00	1.00
4	24	15	1.00	1.00	1.00	1.00	0.98	0.94	0.96	0.97	0.78	0.95	0.96	0.37	1.00	1.00	1.00
4	24	16	0.95	0.98	0.95	0.92	0.89	0.86	0.88	0.88	0.71	0.88	0.83	0.47	1.00	1.00	1.00
4	24	17	0.78	0.79	0.77	0.74	0.66	0.67	0.68	0.65	0.71	0.77	0.65	0.26	1.00	1.00	1.00
4	24	18	0.42	0.43	0.41	0.36	0.30	0.30	0.29	0.29	0.32	0.41	0.25	0.01	1.00	1.00	1.00
4	24	19	0.07	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.00	0.00	1.00	1.00	1.00
4	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.08	1.00	1.00	1.00
4	25	6	0.01	0.09	0.17	0.25	0.19	0.17	0.15	0.19	0.38	0.28	0.32	0.55	1.00	1.00	1.00
4	25	7	0.43	0.57	0.60	0.63	0.59	0.58	0.57	0.58	0.68	0.61	0.66	0.87	1.00	1.00	1.00
4	25	8	0.76	0.86	0.84	0.82	0.82	0.82	0.82	0.82	0.85	0.81	0.87	1.00	1.00	1.00	1.00
4	25	9	0.93	1.00	0.95	0.97	0.94	0.96	0.94	0.93	0.94	0.90	0.97	1.00	1.00	1.00	1.00
4	25	10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	1.00	1.00	1.00	1.00	1.00
4	25	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.95	1.00	1.00	1.00	1.00	1.00
4	25	12	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.94	0.95	1.00	1.00	1.00	1.00	1.00
4	25	13	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.93	1.00	1.00	1.00	1.00	1.00
4	25	14	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.99	0.90	0.88	0.99	1.00	1.00	1.00	1.00
4	25	15	0.97	1.00	0.98	0.99	0.97	0.96	0.96	0.96	0.90	0.76	0.95	1.00	1.00	1.00	1.00
4	25	16	0.89	0.96	0.86	0.90	0.89	0.87	0.88	0.88	0.72	0.69	0.84	0.85	1.00	1.00	1.00
4	25	17	0.73	0.76	0.66	0.70	0.70	0.67	0.69	0.70	0.63	0.54	0.60	0.56	1.00	1.00	1.00
4	25	18	0.40	0.37	0.40	0.41	0.28	0.30	0.31	0.28	0.26	0.30	0.24	0.07	1.00	1.00	1.00
4	25	19	0.07	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.05	0.03	0.00	0.00	1.00	1.00	1.00
4	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.00	1.00	1.00
4	26	6	0.01	0.07	0.15	0.14	0.14	0.10	0.09	0.14	0.21	0.23	0.26	0.50	1.00	1.00	1.00
4	26	7	0.40	0.55	0.57	0.59	0.48	0.51	0.42	0.48	0.58	0.54	0.57	0.83	1.00	1.00	1.00
4	26	8	0.77	0.86	0.85	0.79	0.69	0.79	0.74	0.68	0.82	0.72	0.77	0.99	1.00	1.00	1.00
4	26	9	0.95	1.00	0.99	0.89	0.85	0.93	0.93	0.84	0.89	0.83	0.90	1.00	1.00	1.00	1.00
4	26	10	1.00	1.00	1.00	0.70	1.00	1.00	1.00	0.99	0.94	0.87	0.93	1.00	1.00	1.00	1.00
4	26	11	1.00	1.00	1.00	0.71	1.00	1.00	1.00	1.00	0.89	0.89	0.98	1.00	1.00	1.00	1.00
4	26	12	1.00	1.00	1.00	0.70	1.00	1.00	1.00	1.00	0.80	0.88	0.95	1.00	1.00	1.00	1.00
4	26	13	1.00	1.00	1.00	0.41	1.00	1.00	1.00	1.00	0.90	0.88	0.89	1.00	1.00	1.00	1.00
4	26	14	1.00	1.00	1.00	0.85	0.90	0.98	1.00	0.89	0.94	0.89	0.82	0.92	1.00	1.00	1.00
4	26	15	1.00	1.00	1.00	0.63	0.95	0.96	0.96	0.95	0.89	0.85	0.85	0.80	1.00	1.00	1.00
4	26	16	0.93	0.97	0.92	0.86	0.85	0.86	0.88	0.84	0.79	0.77	0.79	0.76	1.00	1.00	1.00
4	26	17	0.75	0.79	0.75	0.73	0.56	0.67	0.67	0.55	0.72	0.67	0.48	0.53	1.00	1.00	1.00
4	26	18	0.39	0.46	0.43	0.33	0.30	0.23	0.35	0.30	0.40	0.41	0.19	0.06	1.00	1.00	1.00
4	26	19	0.07	0.06	0.04	0.01	0.01	0.01	0.01	0.01	0.06	0.06	0.00	0.00	1.00	1.00	1.00
4	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.10	1.00	1.00	1.00
4	27	6	0.02	0.11	0.18	0.26	0.17	0.17	0.13	0.17	0.38	0.27	0.32	0.54	1.00	1.00	1.00
4	27	7	0.46	0.57	0.59	0.63	0.57	0.58	0.54	0.56	0.68	0.61	0.66	0.85	1.00	1.00	1.00
4	27	8	0.76	0.85	0.84	0.84	0.82	0.81	0.81	0.81	0.84	0.79	0.86	1.00	1.00	1.00	1.00
4	27	9	0.91	0.99	0.96	0.95	0.95	0.95	0.93	0.94	0.93	0.88	0.97	1.00	1.00	1.00	1.00
4	27	10	0.99	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.97	0.93	1.00	1.00	1.00	1.00	1.00
4	27	11	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.97	0.92	0.96	1.00	1.00	1.00	1.00	1.00
4	27	12	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.92	0.96	1.00	1.00	1.00	1.00	1.00
4	27	13	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.99	0.90	0.93	1.00	1.00	1.00	1.00	1.00
4	27	14	1.00	1.00	1.00	1.00	0.99	0.98	0.98	0.98	0.94	0.91	0.98	0.92	1.00	1.00	1.00
4	27	15	0.97	1.00	0.99	0.97	0.95	0.94	0.95	0.94	0.91	0.92	0.94	0.79	1.00	1.00	1.00
4	27	16	0.91	0.95	0.91	0.89	0.86	0.83	0.87	0.85	0.86	0.87	0.83	0.73	1.00	1.00	1.00
4	27	17	0.74	0.79	0.73	0.71	0.66	0.65	0.69	0.65	0.74	0.73	0.57	0.54	1.00	1.00	1.00
4	27	18	0.42	0.46	0.43	0.34	0.36	0.28	0.24	0.36	0.38	0.46	0.18	0.07	1.00	1.00	1.00
4	27	19	0.09	0.07	0.04	0.02	0.02	0.01	0.01	0.02	0.05	0.07	0.00	0.00	1.00	1.00	1.00
4	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	1.00	1.00	1.00
4	28	6	0.02	0.09	0.18	0.25	0.16	0.16	0.13	0.16	0.38	0.27	0.32	0.16	1.00	1.00	1.00
4	28	7	0.44	0.55	0.59	0.61	0.56	0.56	0.52	0.56	0.67	0.60	0.64	0.35	1.00	1.00	1.00
4	28	8	0.75	0.84	0.83	0.82	0.80	0.81	0.77	0.80	0.84	0.79	0.78	0.58	1.00	1.00	1.00
4	28	9	0.90	0.97	0.96	0.92	0.92	0.93	0.90	0.91	0.91	0.89	0.87	0.79	1.00	1.00	1.00
4	28	10	0.98	1.00	1.00	0.98	0.98	0.97	0.97	0.97	0.95	0.93	0.97	0.67	1.00	1.00	1.00
4	28	11	1.00	1.00	1.00	1.00	0.99	0.98	0.99	0.98	0.95	0.93	0.99	0.80	1.00	1.00	1.00
4	28	12	1.00	1.00	1.00	0.99	0.98	0.95	0.97	0.98	0.94	0.94	0.94	0.79	1.00	1.00	1.00
4	28	13	1.00	1.00	1.00	0.98	0.97	0.92	0.96	0.96	0.92	0.92	0.83	0.84	1.00	1.00	1.00
4	28	14	0.99	1.00	1.00	0.97	0.96	0.93	0.93	0.95	0.92	0.92	0.73	0.96	1.00	1.00	1.00
4	28	15	0.97	1.00	0.97	0.94	0.93	0.89	0.88	0.92	0.89	0.89	0.61	0.72	1.00	1.00	1.00
4	28	16	0.91	0.93	0.90	0.87	0.84	0.81	0.81	0.83	0.84	0.84	0.49	0.58	1.00	1.00	1.00
4	28	17	0.74	0.77	0.73	0.69	0.64	0.61	0.64	0.63	0.72	0.72	0.33	0.42	1.00	1.00	1.00
4	28	18	0.40	0.46	0.43	0.39	0.35	0.30	0.28	0.35	0.36	0.47	0.06	0.05	1.00	1.00	1.00
4	28	19	0.08	0.07	0.05	0.02	0.02	0.01	0.01	0.02	0.06	0.08	0.00	0.00	1.00	1.00	1.00
4	28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
4	29	4	0.24	0.08	0.08	0.27	0.31	0.28	0.41	0.54	0.30	0.23	0.05	0.01
4	29	5	0.16	0.08	0.13	0.24	0.33	0.22	0.35	0.45	0.21	0.15	0.04	0.00
4	29	6	0.17	0.09	0.24	0.23	0.31	0.13	0.28	0.40	0.23	0.16	0.00	0.04
4	29	7	0.15	0.08	0.27	0.18	0.22	0.04	0.19	0.38	0.21	0.14	0.00	0.00
4	29	8	0.10	0.07	0.23	0.10	0.08	0.01	0.08	0.28	0.16	0.09	0.00	0.00
4	29	9	0.06	0.10	0.25	0.12	0.01	0.00	0.02	0.16	0.12	0.05	0.00	0.00
4	29	10	0.05	0.16	0.31	0.19	0.00	0.00	0.01	0.11	0.11	0.04	0.00	0.00
4	29	11	0.12	0.23	0.39	0.29	0.00	0.00	0.01	0.11	0.18	0.11	0.00	0.00
4	29	12	0.17	0.30	0.50	0.36	0.00	0.00	0.01	0.19	0.22	0.16	0.00	0.00
4	29	13	0.22	0.56	0.63	0.39	0.01	0.00	0.02	0.33	0.27	0.21	0.00	0.00
4	29	14	0.28	0.51	0.68	0.42	0.07	0.02	0.07	0.45	0.34	0.27	0.05	0.00
4	29	15	0.36	0.30	0.76	0.42	0.13	0.06	0.15	0.60	0.41	0.35	0.26	0.02
4	29	16	0.43	0.27	0.80	0.41	0.17	0.52	0.24	0.72	0.48	0.42	0.47	0.03
4	29	17	0.51	0.26	0.79	0.42	0.25	0.80	0.34	0.78	0.55	0.50	0.54	0.15
4	29	18	0.56	0.16	0.80	0.43	0.39	0.85	0.40	0.78	0.60	0.55	0.57	0.41
4	29	19	0.59	0.12	0.81	0.53	0.63	0.94	0.48	0.76	0.62	0.58	0.59	0.56
4	29	20	0.60	0.10	0.77	0.57	0.76	0.99	0.49	0.70	0.64	0.60	0.69	0.70
4	29	21	0.44	0.08	0.62	0.44	0.76	0.97	0.46	0.64	0.48	0.43	0.74	0.67
4	29	22	0.30	0.06	0.50	0.35	0.75	0.88	0.41	0.69	0.35	0.29	0.71	0.60
4	29	23	0.26	0.07	0.46	0.35	0.76	0.54	0.36	0.71	0.32	0.25	0.62	0.58
4	29	24	0.24	0.12	0.33	0.36	0.77	0.44	0.28	0.71	0.30	0.24	0.49	0.56
4	30	1	0.24	0.14	0.24	0.31	0.75	0.27	0.17	0.68	0.29	0.23	0.49	0.52
4	30	2	0.24	0.26	0.24	0.25	0.73	0.31	0.09	0.67	0.30	0.24	0.42	0.46
4	30	3	0.29	0.44	0.19	0.22	0.71	0.27	0.04	0.65	0.35	0.29	0.25	0.43
4	30	4	0.36	0.65	0.15	0.19	0.64	0.19	0.00	0.62	0.41	0.35	0.10	0.39
4	30	5	0.33	0.70	0.10	0.14	0.54	0.10	0.00	0.58	0.38	0.32	0.06	0.26
4	30	6	0.28	0.69	0.07	0.13	0.40	0.08	0.00	0.56	0.34	0.28	0.06	0.08
4	30	7	0.25	0.68	0.02	0.11	0.18	0.05	0.00	0.47	0.31	0.25	0.05	0.00
4	30	8	0.25	0.66	0.00	0.05	0.03	0.02	0.00	0.40	0.31	0.24	0.01	0.00
4	30	9	0.21	0.59	0.00	0.05	0.00	0.02	0.00	0.48	0.27	0.20	0.00	0.00
4	30	10	0.22	0.43	0.00	0.06	0.00	0.04	0.00	0.58	0.28	0.21	0.00	0.00
4	30	11	0.28	0.39	0.00	0.08	0.00	0.08	0.00	0.67	0.33	0.27	0.04	0.00
4	30	12	0.36	0.45	0.00	0.11	0.00	0.13	0.00	0.72	0.41	0.35	0.16	0.00
4	30	13	0.46	0.53	0.00	0.15	0.00	0.17	0.00	0.76	0.51	0.46	0.32	0.00
4	30	14	0.49	0.73	0.00	0.18	0.00	0.21	0.00	0.79	0.53	0.48	0.46	0.00
4	30	15	0.55	0.58	0.00	0.21	0.03	0.26	0.00	0.81	0.59	0.54	0.51	0.01
4	30	16	0.61	0.47	0.00	0.23	0.18	0.31	0.03	0.80	0.65	0.61	0.51	0.02
4	30	17	0.67	0.50	0.00	0.28	0.40	0.35	0.11	0.79	0.69	0.66	0.52	0.01
4	30	18	0.69	0.63	0.06	0.34	0.64	0.35	0.23	0.75	0.72	0.69	0.50	0.03
4	30	19	0.72	0.44	0.20	0.43	0.81	0.74	0.38	0.71	0.75	0.72	0.53	0.20
4	30	20	0.66	0.19	0.41	0.49	0.87	0.90	0.44	0.70	0.69	0.65	0.53	0.34
4	30	21	0.63	0.40	0.54	0.45	0.89	0.85	0.46	0.72	0.67	0.63	0.49	0.43
4	30	22	0.53	0.54	0.58	0.34	0.90	0.90	0.41	0.74	0.57	0.52	0.50	0.45
4	30	23	0.42	0.52	0.56	0.27	0.91	0.83	0.32	0.76	0.47	0.42	0.43	0.46
4	30	24	0.33	0.50	0.55	0.30	0.89	0.65	0.23	0.76	0.39	0.33	0.38	0.49
5	1	1	0.24	0.50	0.50	0.35	0.86	0.41	0.14	0.77	0.29	0.23	0.32	0.48
5	1	2	0.22	0.45	0.38	0.40	0.85	0.36	0.07	0.76	0.28	0.21	0.27	0.46
5	1	3	0.22	0.31	0.29	0.42	0.84	0.54	0.04	0.72	0.27	0.21	0.27	0.45
5	1	4	0.27	0.12	0.32	0.39	0.84	0.64	0.01	0.67	0.32	0.26	0.24	0.44
5	1	5	0.32	0.11	0.32	0.38	0.85	0.26	0.00	0.62	0.37	0.31	0.19	0.43
5	1	6	0.32	0.13	0.29	0.36	0.82	0.28	0.00	0.56	0.38	0.32	0.16	0.42
5	1	7	0.23	0.12	0.16	0.23	0.74	0.27	0.00	0.48	0.28	0.22	0.16	0.38
5	1	8	0.22	0.15	0.10	0.13	0.67	0.06	0.00	0.45	0.27	0.21	0.23	0.34
5	1	9	0.26	0.20	0.09	0.15	0.61	0.04	0.00	0.50	0.31	0.25	0.36	0.25
5	1	10	0.40	0.19	0.11	0.20	0.57	0.04	0.00	0.51	0.44	0.39	0.38	0.14
5	1	11	0.51	0.17	0.10	0.30	0.56	0.05	0.00	0.56	0.56	0.51	0.39	0.08
5	1	12	0.47	0.18	0.09	0.42	0.62	0.07	0.00	0.64	0.51	0.46	0.42	0.07
5	1	13	0.55	0.16	0.08	0.50	0.67	0.13	0.00	0.72	0.60	0.55	0.45	0.05
5	1	14	0.52	0.20	0.10	0.49	0.69	0.17	0.05	0.82	0.56	0.52	0.54	0.08
5	1	15	0.68	0.26	0.05	0.52	0.72	0.30	0.16	0.88	0.70	0.67	0.61	0.14
5	1	16	0.83	0.40	0.00	0.63	0.74	0.56	0.31	0.93	0.85	0.83	0.62	0.40
5	1	17	0.86	0.33	0.00	0.66	0.69	0.71	0.48	0.94	0.88	0.86	0.62	0.50
5	1	18	0.72	0.30	0.00	0.67	0.67	0.85	0.58	0.90	0.74	0.71	0.66	0.53
5	1	19	0.63	0.27	0.03	0.63	0.69	0.93	0.63	0.80	0.66	0.62	0.69	0.61
5	1	20	0.60	0.22	0.08	0.63	0.68	0.94	0.63	0.77	0.63	0.59	0.77	0.81
5	1	21	0.55	0.23	0.11	0.60	0.56	0.86	0.61	0.74	0.59	0.55	0.67	0.83
5	1	22	0.52	0.27	0.11	0.56	0.40	0.69	0.59	0.69	0.56	0.52	0.58	0.82
5	1	23	0.60	0.28	0.18	0.54	0.30	0.54	0.58	0.60	0.64	0.60	0.52	0.77
5	1	24	0.53	0.16	0.06	0.58	0.23	0.48	0.58	0.56	0.57	0.52	0.45	0.67
5	2	1	0.52	0.26	0.17	0.66	0.18	0.56	0.57	0.54	0.56	0.51	0.37	0.62
5	2	2	0.52	0.33	0.32	0.71	0.16	0.50	0.55	0.52	0.56	0.51	0.36	0.60
5	2	3	0.46	0.34	0.17	0.70	0.13	0.58	0.54	0.52	0.51	0.46	0.30	0.60
5	2	4	0.46	0.22	0.14	0.67	0.05	0.54	0.51	0.52	0.50	0.45	0.28	0.56
5	2	5	0.48	0.19	0.22	0.63	0.01	0.30	0.50	0.52	0.52	0.48	0.27	0.53
5	2	6	0.51	0.39	0.19	0.53	0.01	0.25	0.46	0.53	0.55	0.50	0.28	0.51
5	2	7	0.47	0.21	0.06	0.44	0.02	0.31	0.42	0.50	0.51	0.46	0.23	0.45
5	2	8	0.54	0.10	0.10	0.41	0.01	0.18	0.39	0.48	0.57	0.53	0.23	0.39
5	2	9	0.74	0.04	0.22	0.45	0.01	0.08	0.40	0.51	0.77	0.74	0.29	0.38
5	2	10	0.81	0.07	0.37	0.49	0.09	0.05	0.35	0.57	0.82	0.80	0.38	0.41
5	2	11	0.87	0.14	0.40	0.49	0.28	0.10	0.32	0.68	0.88	0.87	0.43	0.50
5	2	12	0.93	0.43	0.36	0.52	0.45	0.27	0.38	0.81	0.94	0.93	0.54	0.54
5	2	13	0.97	0.29	0.34	0.62	0.62	0.43	0.48	0.89	0.97	0.97	0.65	0.57
5	2	14	0.98	0.14	0.41	0.67	0.75	0.74	0.57	0.92	0.98	0.98	0.74	0.60
5	2	15	0.99	0.15	0.53	0.69	0.84	0.95	0.64	0.91	0.99	0.99	0.84	0.62
5	2	16	0.99	0.38	0.66	0.73	0.88	0.99	0.66	0.91	0.99	0.99	0.91	0.69
5	2	17	0.98	0.06	0.68	0.76	0.92	0.96	0.68	0.92	0.98	0.98	0.94	0.84
5	2	18	0.94	0.06	0.59	0.72	0.93	0.93	0.69	0.89	0.95	0.94	0.92	0.82
5	2	19	0.82	0.10	0.67	0.61	0.89	0.78	0.71	0.76	0.84	0.82	0.89	0.77
5	2	20	0.72	0.09	0.64	0.62	0.83	0.88	0.77	0.68	0.74	0.72	0.86	0.73
5	2	21	0.66	0.06	0.61	0.52	0.65	0.76	0.83	0.70	0.69	0.65	0.82	0.75
5	2	22	0.61	0.08	0.58	0.40	0.45	0.67	0.87	0.68	0.65	0.61	0.77	0.75
5	2	23	0.50	0.08	0.75	0.41	0.38	0.75	0.90	0.65	0.54	0.50	0.72	0.75
5	2	24	0.53	0.15	0.81	0.43	0.41	0.83	0.92	0.63	0.58	0.53	0.73	0.76
5	3	1	0.46	0.25	0.80	0.35	0.54	0.59	0.91	0.64	0.50	0.45	0.74	0.73
5	3	2	0.48	0.39	0.81	0.29	0.65	0.31	0.91	0.66	0.53	0.48	0.73	0.69
5	3	3	0.52	0.52	0.77	0.24	0.63	0.27	0.91	0.62	0.56	0.51	0.73	0.68
5	3	4	0.55	0.65	0.75	0.17	0.51	0.12	0.91	0.61	0.60	0.55	0.70	0.66
5	3	5	0.43	0.70	0.65	0.11	0.42	0.09	0.89	0.58	0.47	0.42	0.58	0.64
5	3	6	0.45	0.58	0.51	0.10	0.33	0.09	0.86	0.58	0.49	0.44	0.53	0.55
5	3	7	0.52	0.41	0.40	0.06	0.19	0.14	0.85	0.59	0.57	0.52	0.43	0.44
5	3	8	0.49	0.45	0.38	0.04	0.07	0.19	0.84	0.69	0.53	0.48	0.31	0.48
5	3	9	0.45	0.44	0.39	0.07	0.03	0.40	0.83	0.78	0.49	0.44	0.23	0.39
5	3	10	0.43	0.41	0.41	0.08	0.01	0.44	0.84	0.79	0.48	0.43	0.22	0.28
5	3	11	0.37	0.47	0.43	0.10	0.02	0.41	0.85	0.79	0.42	0.37	0.21	0.16
5	3	12	0.35	0.58	0.41	0.13	0.06	0.41	0.86	0.82	0.40	0.34	0.28	0.10
5	3	13	0.35	0.65	0.42	0.17	0.16	0.33	0.86	0.87	0.40	0.34	0.34	0.17
5	3	14	0.41	0.73	0.58	0.21	0.33	0.27	0.87	0.89	0.46	0.40	0.42	0.38
5	3	15	0.48	0.74	0.68	0.30	0.48	0.25	0.87	0.91	0.53	0.48	0.51	0.52
5	3	16	0.52	0.76	0.48	0.41	0.57	0.26	0.87	0.90	0.56	0.51	0.60	0.57
5	3	17	0.56	0.75	0.50	0.52	0.58	0.29	0.86	0.87	0.60	0.56	0.69	0.61
5	3	18	0.53	0.62	0.60	0.61	0.56	0.66	0.84	0.84	0.57	0.52	0.75	0.64
5	3	19	0.43	0.66	0.54	0.53	0.53	0.76	0.85	0.82	0.47	0.42	0.81	0.75
5	3	20	0.37	0.78	0.65	0.49	0.37	0.81	0.86	0.80	0.42	0.36	0.82	0.83
5	3	21	0.29	0.75	0.75	0.37	0.09	0.69	0.82	0.80	0.34	0.28	0.77	0.83
5	3	22	0.38	0.69	0.79	0.23	0.01	0.64	0.78	0.81	0.42	0.37	0.64	0.80
5	3	23	0.56	0.70	0.79	0.18	0.00	0.56	0.76	0.82	0.60	0.56	0.59	0.73
5	3	24	0.64	0.71	0.72	0.16	0.00	0.47	0.73	0.82	0.67	0.63	0.60	0.68
5	4	1	0.60	0.68	0.67	0.15	0.00	0.48	0.71	0.77	0.63	0.59	0.56	0.62
5	4	2	0.60	0.63	0.64	0.12	0.00	0.25	0.66	0.70	0.64	0.60	0.47	0.54
5	4	3	0.59	0.61	0.65	0.10	0.00	0.05	0.59	0.62	0.62	0.58	0.44	0.52
5	4	4	0.54	0.57	0.68	0.12	0.00	0.02	0.53	0.53	0.58	0.53	0.42	0.47
5	4	5	0.46	0.57	0.66	0.13	0.00	0.06	0.41	0.48	0.50	0.45	0.40	0.44
5	4	6	0.39	0.54	0.59	0.13	0.00	0.09	0.31	0.43	0.43	0.38	0.39	0.41
5	4	7	0.35	0.45	0.52	0.17	0.00	0.05	0.16	0.39	0.40	0.34	0.39	0.42
5	4	8	0.36	0.53	0.56	0.20	0.00	0.05	0.04	0.44	0.41	0.35	0.38	0.46
5	4	9	0.34	0.64	0.60	0.23	0.00	0.11	0.01	0.52	0.39	0.33	0.38	0.49
5	4	10	0.35	0.77	0.58	0.23	0.00	0.09	0.09	0.62	0.40	0.34	0.42	0.50
5	4	11	0.37	0.77	0.57	0.20	0.00	0.01	0.30	0.68	0.42	0.37	0.50	0.58
5	4	12	0.47	0.72	0.59	0.17	0.00	0.05	0.49	0.71	0.51	0.46	0.59	0.68
5	4	13	0.52	0.78	0.61	0.14	0.00	0.09	0.60	0.71	0.56	0.51	0.73	0.76
5	4	14	0.57	0.86	0.67	0.20	0.00	0.26	0.72	0.68	0.61	0.57	0.72	0.82
5	4	15	0.54	0.91	0.68	0.20	0.00	0.39	0.79	0.63	0.57	0.53	0.75	0.87
5	4	16	0.75	0.94	0.71	0.22	0.00	0.56	0.84	0.60	0.79	0.75	0.79	0.83
5	4	17	0.50	0.93	0.59	0.28	0.00	0.60	0.88	0.56	0.54	0.49	0.83	0.72
5	4	18	0.40	0.79	0.66	0.32	0.07	0.66	0.90	0.51	0.45	0.40	0.83	0.60

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
4	29	4	0.25	0.07	0.18	0.15	0.35	0.15	0.40	0.38	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	5	0.17	0.05	0.19	0.17	0.39	0.17	0.42	0.35	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	29	6	0.18	0.11	0.17	0.15	0.43	0.18	0.41	0.31	0.00	0.09	0.01	0.00	0.07	0.25	0.07	0.02	0.01	0.01	0.07
4	29	7	0.16	0.06	0.15	0.13	0.42	0.14	0.28	0.18	0.00	0.08	0.00	0.04	0.31	0.52	0.30	0.21	0.30	0.41	0.47
4	29	8	0.11	0.02	0.15	0.12	0.33	0.10	0.20	0.09	0.00	0.07	0.00	0.26	0.55	0.69	0.54	0.44	0.62	0.63	0.72
4	29	9	0.07	0.02	0.20	0.18	0.26	0.24	0.16	0.06	0.00	0.10	0.01	0.49	0.72	0.75	0.71	0.64	0.77	0.71	0.81
4	29	10	0.06	0.02	0.24	0.21	0.25	0.35	0.12	0.05	0.00	0.16	0.06	0.66	0.83	0.79	0.81	0.75	0.87	0.82	0.85
4	29	11	0.13	0.03	0.27	0.25	0.31	0.25	0.08	0.04	0.00	0.23	0.12	0.77	0.89	0.85	0.88	0.82	0.95	0.89	0.87
4	29	12	0.18	0.03	0.31	0.29	0.36	0.18	0.05	0.05	0.01	0.30	0.20	0.84	0.93	0.84	0.92	0.87	0.95	0.91	0.87
4	29	13	0.23	0.04	0.36	0.34	0.49	0.15	0.05	0.06	0.03	0.56	0.46	0.84	0.93	0.79	0.91	0.91	0.93	0.88	0.79
4	29	14	0.29	0.06	0.40	0.38	0.58	0.16	0.10	0.07	0.04	0.52	0.41	0.80	0.90	0.78	0.89	0.84	0.92	0.89	0.81
4	29	15	0.37	0.09	0.41	0.39	0.64	0.17	0.13	0.11	0.02	0.30	0.20	0.71	0.85	0.70	0.83	0.80	0.91	0.88	0.73
4	29	16	0.44	0.10	0.43	0.41	0.60	0.20	0.08	0.11	0.00	0.27	0.16	0.56	0.75	0.61	0.73	0.69	0.86	0.83	0.78
4	29	17	0.51	0.21	0.41	0.39	0.63	0.25	0.09	0.13	0.00	0.26	0.14	0.34	0.57	0.46	0.56	0.53	0.72	0.70	0.72
4	29	18	0.57	0.47	0.35	0.33	0.53	0.29	0.14	0.20	0.02	0.16	0.06	0.08	0.27	0.24	0.27	0.34	0.39	0.45	0.43
4	29	19	0.60	0.61	0.34	0.32	0.50	0.43	0.26	0.39	0.12	0.12	0.03	0.00	0.04	0.03	0.04	0.12	0.11	0.14	0.09
4	29	20	0.61	0.74	0.31	0.29	0.59	0.46	0.26	0.45	0.39	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	21	0.45	0.71	0.29	0.27	0.54	0.51	0.28	0.50	0.73	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	22	0.31	0.64	0.27	0.25	0.44	0.63	0.37	0.56	0.75	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	23	0.27	0.62	0.24	0.22	0.29	0.69	0.41	0.50	0.69	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	29	24	0.25	0.61	0.18	0.16	0.22	0.70	0.53	0.59	0.66	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	1	0.25	0.57	0.11	0.09	0.18	0.67	0.56	0.56	0.68	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	2	0.25	0.52	0.07	0.05	0.17	0.69	0.56	0.39	0.69	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	3	0.30	0.49	0.06	0.05	0.13	0.75	0.56	0.29	0.69	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	4	0.36	0.46	0.09	0.07	0.09	0.74	0.54	0.26	0.85	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	5	0.34	0.33	0.11	0.09	0.10	0.72	0.53	0.22	0.87	0.70	0.63	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
4	30	6	0.29	0.15	0.11	0.09	0.12	0.70	0.52	0.20	0.79	0.69	0.62	0.00	0.09	0.28	0.09	0.12	0.02	0.03	0.10
4	30	7	0.26	0.06	0.07	0.05	0.07	0.49	0.32	0.16	0.64	0.68	0.61	0.04	0.36	0.57	0.36	0.57	0.46	0.45	0.52
4	30	8	0.26	0.01	0.09	0.07	0.05	0.36	0.28	0.12	0.58	0.66	0.59	0.28	0.62	0.77	0.61	0.83	0.75	0.73	0.77
4	30	9	0.22	0.01	0.13	0.11	0.05	0.24	0.24	0.13	0.46	0.59	0.50	0.53	0.79	0.88	0.77	0.96	0.89	0.87	0.90
4	30	10	0.23	0.01	0.14	0.12	0.04	0.13	0.23	0.11	0.36	0.43	0.34	0.70	0.89	0.94	0.87	1.00	0.95	0.93	0.95
4	30	11	0.29	0.02	0.16	0.13	0.05	0.06	0.22	0.12	0.24	0.38	0.29	0.80	0.93	0.95	0.92	1.00	0.97	0.94	0.94
4	30	12	0.37	0.02	0.19	0.17	0.06	0.07	0.19	0.17	0.15	0.45	0.35	0.85	0.94	0.95	0.93	1.00	0.96	0.94	0.94
4	30	13	0.47	0.02	0.21	0.19	0.08	0.10	0.24	0.23	0.12	0.53	0.45	0.85	0.93	0.94	0.91	1.00	0.94	0.90	0.85
4	30	14	0.50	0.05	0.22	0.20	0.08	0.14	0.17	0.28	0.15	0.73	0.66	0.78	0.88	0.93	0.86	0.98	0.91	0.83	0.83
4	30	15	0.55	0.08	0.23	0.21	0.07	0.16	0.10	0.31	0.24	0.58	0.50	0.67	0.80	0.86	0.79	0.99	0.90	0.73	0.72
4	30	16	0.62	0.09	0.23	0.20	0.06	0.23	0.22	0.31	0.29	0.47	0.38	0.51	0.68	0.78	0.67	0.94	0.76	0.55	0.59
4	30	17	0.67	0.07	0.23	0.21	0.05	0.31	0.23	0.39	0.34	0.50	0.41	0.32	0.52	0.60	0.51	0.84	0.69	0.43	0.53
4	30	18	0.69	0.09	0.23	0.21	0.06	0.43	0.29	0.40	0.43	0.63	0.54	0.08	0.26	0.27	0.25	0.60	0.38	0.20	0.33
4	30	19	0.73	0.28	0.24	0.22	0.06	0.61	0.22	0.41	0.42	0.44	0.34	0.00	0.04	0.05	0.04	0.27	0.11	0.02	0.06
4	30	20	0.66	0.41	0.31	0.29	0.03	0.73	0.17	0.43	0.43	0.19	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	21	0.64	0.49	0.34	0.32	0.03	0.70	0.19	0.43	0.77	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	22	0.54	0.51	0.38	0.36	0.03	0.69	0.27	0.45	0.80	0.54	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	23	0.43	0.52	0.44	0.42	0.04	0.66	0.36	0.38	0.72	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	30	24	0.34	0.55	0.44	0.42	0.03	0.62	0.37	0.35	0.45	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	1	0.25	0.53	0.40	0.38	0.05	0.59	0.39	0.33	0.40	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	2	0.23	0.52	0.36	0.34	0.13	0.56	0.36	0.29	0.53	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	3	0.23	0.50	0.25	0.23	0.18	0.50	0.39	0.24	0.67	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	4	0.27	0.50	0.21	0.18	0.19	0.52	0.41	0.21	0.69	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	5	0.32	0.49	0.17	0.15	0.17	0.53	0.42	0.14	0.27	0.11	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
5	1	6	0.33	0.48	0.16	0.14	0.11	0.52	0.35	0.08	0.14	0.13	0.04	0.00	0.05	0.20	0.05	0.12	0.02	0.03	0.12
5	1	7	0.24	0.44	0.15	0.13	0.04	0.43	0.30	0.05	0.10	0.12	0.03	0.03	0.26	0.50	0.26	0.53	0.45	0.47	0.53
5	1	8	0.23	0.41	0.16	0.14	0.01	0.48	0.33	0.03	0.04	0.15	0.05	0.21	0.46	0.69	0.45	0.71	0.74	0.72	0.77
5	1	9	0.27	0.32	0.20	0.18	0.01	0.62	0.39	0.07	0.07	0.20	0.09	0.38	0.57	0.79	0.56	0.70	0.87	0.85	0.90
5	1	10	0.40	0.22	0.22	0.19	0.03	0.60	0.39	0.09	0.14	0.19	0.08	0.53	0.67	0.83	0.66	0.57	0.92	0.93	0.96
5	1	11	0.52	0.16	0.24	0.22	0.06	0.61	0.43	0.17	0.24	0.17	0.07	0.60	0.70	0.82	0.68	0.46	0.89	0.95	0.97
5	1	12	0.48	0.14	0.29	0.27	0.09	0.83	0.54	0.38	0.13	0.18	0.07	0.64	0.71	0.79	0.70	0.45	0.86	0.93	0.96
5	1	13	0.56	0.12	0.34	0.32	0.11	0.85	0.66	0.41	0.11	0.16	0.06	0.60	0.66	0.72	0.65	0.25	0.70	0.81	0.95
5	1	14	0.53	0.15	0.36	0.34	0.13	0.45	0.73	0.39	0.07	0.20	0.09	0.57	0.64	0.67	0.63	0.21	0.35	0.85	0.91
5	1	15	0.68	0.21	0.41	0.39	0.15	0.49	0.75	0.51	0.09	0.26	0.15	0.51	0.60	0.66	0.59	0.07	0.38	0.70	0.85
5	1	16	0.84	0.47	0.44	0.42	0.15	0.82	0.71	0.51	0.40	0.40	0.28	0.43	0.56	0.53	0.55	0.06	0.43	0.39	0.80
5	1	17	0.87	0.55	0.42	0.40	0.14	0.76	0.73	0.46	0.63	0.33	0.22	0.27	0.44	0.39	0.43	0.06	0.29	0.25	0.66
5	1	18	0.72	0.57	0.38	0.36	0.17	0.75	0.79	0.43	0.61	0.30	0.19	0.07	0.24	0.20	0.23	0.09	0.18	0.25	0.43
5	1	19	0.63	0.65	0.33	0.31	0.31	0.66	0.68	0.50	0.45	0.27	0.16	0.00	0.03	0.03	0.03	0.03	0.02	0.03	0.11
5	1	20	0.60	0.84	0.31	0.29	0.31	0.68	0.52	0.57	0.20	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	21	0.56	0.85	0.32	0.29	0.38	0.84	0.44	0.49	0.12	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	22	0.53	0.84	0.36	0.34	0.60	0.85	0.49	0.37	0.07	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	23	0.61	0.80	0.46	0.44	0.77	0.80	0.57	0.26	0.06	0.28	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	1	24	0.54	0.71	0.51	0.50	0.67	0.80	0.64	0.14	0.05	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	1	0.52	0.66	0.50	0.48	0.53	0.82	0.68	0.12	0.13	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	2	0.52	0.65	0.53	0.51	0.40	0.84	0.66	0.17	0.21	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	3	0.47	0.64	0.60	0.58	0.48	0.85	0.64	0.21	0.27	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	4	0.46	0.61	0.69	0.67	0.58	0.84	0.63	0.18	0.33	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	5	0.49	0.58	0.58	0.57	0.67	0.86	0.54	0.20	0.41	0.19	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
5	2	6	0.52	0.57	0.57	0.56	0.56	0.83	0.41	0.20	0.32	0.40	0.27	0.00	0.08	0.20	0.08	0.03	0.00	0.01	0.10
5	2	7	0.48	0.51	0.70	0.69	0.43	0.76	0.37	0.20	0.14	0.21	0.10	0.04	0.27	0.41	0.27	0.15	0.04	0.12	0.43
5	2	8	0.55	0.45	0.72	0.71	0.51	0.84	0.40	0.26	0.13	0.10	0.02	0.26	0.51	0.61	0.50	0.32	0.24	0.27	0.60
5	2	9	0.75	0.44	0.73	0.72	0.56	0.88	0.48	0.47	0.12	0.04	0.00	0.48	0.69	0.72	0.68	0.40	0.54	0.48	0.71
5	2	10	0.81	0.47	0.72	0.71	0.54	0.87	0.58	0.69	0.09	0.07	0.00	0.62	0.78	0.76	0.76	0.24	0.64	0.60	0.79
5	2	11	0.87	0.55	0.75	0.74	0.52	0.87	0.61	0.76	0.10	0.14	0.05	0.71	0.82	0.77	0.81	0.36	0.70	0.61	0.68
5	2	12	0.93	0.59	0.75	0.75	0.47	0.89	0.65	0.79	0.17	0.43	0.31	0.75	0.84	0.80	0.82	0.37	0.82	0.73	0.67
5	2	13	0.97	0.62	0.66	0.65	0.40	0.96	0.72	0.83	0.28	0.29	0.18	0.72	0.80	0.72	0.78	0.33	0.77	0.71	0.48
5	2	14	0.98	0.65	0.66	0.65	0.35	0.99	0.70	0.82	0.42	0.14	0.05	0.67	0.76	0.60	0.74	0.39	0.79	0.54	0.48
5	2	15	0.99	0.66	0.64	0.62	0.48	1.00	0.71	0.83	0.59	0.15	0.06	0.58	0.69	0.60	0.68	0.30	0.88	0.52	0.35
5	2	16	0.99	0.72	0.64	0.63	0.54	1.00	0.81	0.93	0.74	0.38	0.25	0.47	0.62	0.55	0.61	0.24	0.85	0.63	0.35
5	2	17	0.98	0.86	0.65	0.64	0.42	1.00	0.90	0.96	0.84	0.06	0.01	0.30	0.49	0.45	0.48	0.29	0.72	0.52	0.29
5	2	18	0.95	0.85	0.67	0.66	0.39	1.00	0.80	0.96	0.81	0.06	0.00	0.08	0.26	0.19	0.26	0.24	0.41	0.40	0.15
5	2	19	0.83	0.80	0.60	0.58	0.35	0.99	0.83	0.90	0.73	0.10	0.02	0.00	0.04	0.03	0.04	0.08	0.13	0.11	0.02
5	2	20	0.72	0.76	0.66	0.64	0.25	0.99	0.69	0.76	0.81	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	21	0.66	0.77	0.64	0.63	0.20	0.99	0.61	0.60	0.85	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	22	0.62	0.77	0.63	0.62	0.40	0.99	0.61	0.54	0.77	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	23	0.51	0.78	0.60	0.58	0.68	0.99	0.60	0.48	0.69	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	2	24	0.54	0.79	0.62	0.61	0.62	0.98	0.56	0.46	0.76	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	1	0.46	0.76	0.60	0.59	0.65	0.88	0.56	0.50	0.73	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	2	0.49	0.72	0.54	0.53	0.69	0.77	0.52	0.59	0.68	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	3	0.53	0.71	0.49	0.47	0.76	0.63	0.44	0.53	0.66	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	4	0.56	0.69	0.47	0.45	0.81	0.52	0.40	0.49	0.69	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	5	0.43	0.68	0.45	0.43	0.72	0.42	0.36	0.49	0.67	0.70	0.62	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
5	3	6	0.46	0.60	0.46	0.44	0.61	0.24	0.29	0.42	0.67	0.58	0.50	0.00	0.10	0.26	0.09	0.12	0.03	0.03	0.12
5	3	7	0.53	0.49	0.44	0.42	0.65	0.11	0.25	0.28	0.70	0.41	0.32	0.04	0.36	0.51	0.35	0.53	0.34	0.45	0.50
5	3	8	0.50	0.54	0.41	0.39	0.60	0.14	0.27	0.18	0.79	0.45	0.35	0.28	0.60	0.70	0.59	0.71	0.57	0.66	0.72
5	3	9	0.46	0.46	0.36	0.33	0.51	0.14	0.29	0.12	0.87	0.44	0.34	0.52	0.77	0.86	0.76	0.80	0.69	0.84	0.80
5	3	10	0.44	0.35	0.33	0.31	0.45	0.07	0.35	0.05	0.95	0.41	0.31	0.68	0.86	0.97	0.84	0.65	0.81	0.81	0.88
5	3	11	0.38	0.23	0.32	0.30	0.40	0.03	0.46	0.02	0.99	0.46	0.37	0.76	0.87	0.99	0.86	0.49	0.86	0.62	0.88
5	3	12	0.35	0.17	0.33	0.31	0.40	0.06	0.56	0.02	0.99	0.58	0.50	0.78	0.86	1.00	0.85	0.46	0.63	0.57	0.87
5	3	13	0.35	0.23	0.31	0.29	0.35	0.06	0.74	0.04	0.99	0.65	0.58	0.74	0.82	0.96	0.80	0.51	0.69	0.35	0.69
5	3	14	0.42	0.45	0.28	0.26	0.31	0.15	0.61	0.06	0.99	0.73	0.67	0.72	0.82	0.94	0.80	0.37	0.71	0.54	0.65
5	3	15	0.49	0.57	0.30	0.28	0.32	0.23	0.66	0.07	0.98	0.74	0.68	0.60	0.72	0.88	0.70	0.24	0.41	0.63	0.57
5	3	16	0.53	0.61	0.31	0.29	0.34	0.17	0.57	0.06	0.97	0.76	0.71	0.46	0.61	0.76	0.60	0.20	0.56	0.46	0.59
5	3	17	0.57	0.66	0.22	0.20	0.33	0.13	0.59	0.08	0.97	0.75	0.69	0.28	0.45	0.52	0.44	0.09	0.29	0.52	0.61
5	3	18	0.53	0.67	0.20	0.18	0.32	0.10	0.67	0.11	0.94	0.62	0.56	0.07	0.21	0.23	0.21	0.07	0.15	0.37	0.43
5	3	19	0.44	0.78	0.15	0.13	0.20	0.06	0.82	0.17	0.84	0.66	0.60	0.00	0.03	0.02	0.03	0.02	0.01	0.09	0.11
5	3	20	0.38	0.85	0.12	0.10	0.18	0.05	0.87	0.27	0.75	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	21	0.30	0.85	0.13	0.11	0.27	0.09	0.87	0.32	0.69	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	22	0.38	0.83	0.18	0.15	0.25	0.11	0.88	0.25	0.72	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	23	0.57	0.76	0.18	0.16	0.14	0.16	0.88	0.18	0.71	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	3	24	0.64	0.71	0.21	0.18	0.06	0.16	0.90	0.13	0.68	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4	1	0.60	0.66	0.21	0.19	0.04	0.13	0.93	0.22	0.68	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4	2	0.61	0.58	0.21	0.19	0.03	0.13	0.90	0.37	0.68	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4	3	0.59	0.57	0.22	0.20	0.03	0.10	0.84	0.45	0.70	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4	4	0.54	0.53	0.25	0.23	0.04	0.07	0.64	0.45	0.70	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4	5	0.47	0.50	0.31	0.29	0.05	0.05	0.42	0.42	0.65	0.57	0.48	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
5	4	6	0.39	0.47	0.32	0.30	0.05	0.03	0.23	0.45	0.62	0.54	0.45	0.00	0.05	0.20	0.05	0.03	0.00	0.00	0.01
5	4	7	0.36	0.47	0.24	0.22	0.06	0.01	0.15	0.42	0.53	0.44	0.35	0.03	0.21	0.39	0.20	0.12	0.02	0.07	0.06
5	4	8	0.37	0.52	0.22	0.20	0.07	0.02	0.12	0.45	0.68	0.53	0.45	0.21	0.40	0.53	0.39	0.35	0.11	0.30	0.23
5	4	9	0.34	0.55	0.22	0.20	0.07	0.04	0.08	0.50	0.85	0.64	0.57	0.36	0.51	0.59	0.50	0.48	0.25	0.34	0.38
5	4	10	0.35	0.55	0.21	0.19	0.08	0.04	0.12	0.54	0.97	0.77	0.71	0.51	0.64	0.67	0.62	0.62	0.55	0.44	0.49
5	4	11	0.38	0.62	0.21	0.18	0.10	0.10	0.15	0.62	1.00	0.77	0.72	0.58	0.67	0.68	0.66	0.57	0.44	0.29	0.48
5	4	12	0.48	0.72	0.23	0.20	0.15	0.23	0.08	0.68	0.99	0.72	0.67	0.64	0.72	0.71	0.70	0.77	0.37	0.27	0.50
5	4	13	0.53	0.79	0.25	0.23	0.22	0.32	0.10	0.73	0.99	0.78	0.74	0.61	0.67	0.65	0.66	0.75	0.60	0.47	0.47
5	4	14	0.58	0.84	0.31	0.29	0.29	0.35	0.17	0.77	0.99	0.86	0.83	0.61	0.69	0.62	0.67	0.79	0.72	0.56	0.48
5	4	15	0.54	0.89	0.33	0.31	0.34	0.29	0.21	0.89	0.99	0.91	0.89	0.51	0.61	0.58	0.60	0.64	0.74	0.72	0.41
5	4	16	0.76	0.85	0.32	0.30	0.38	0.38	0.29	0.92	0.99	0.94	0.92	0.40	0.53	0.47	0.52	0.76	0.72	0.72	0.56
5	4	17	0.51	0.75	0.42	0.41	0.42	0.34	0.28	0.96	0.99	0.93	0.90	0.25	0.41	0.34	0.40	0.76	0.60	0.66	0.48
5	4	18	0.41	0.65	0.45	0.43	0.49	0.14	0.33	0.96	0.99	0.79	0.75	0.07	0.23	0.19	0.23	0.45	0.40	0.43	0.33

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
4	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.05	1.00	1.00	1.00
4	29	6	0.01	0.12	0.17	0.27	0.18	0.17	0.13	0.18	0.38	0.27	0.31	0.25	1.00	1.00	1.00
4	29	7	0.18	0.55	0.59	0.62	0.57	0.54	0.51	0.56	0.66	0.56	0.64	0.46	1.00	1.00	1.00
4	29	8	0.34	0.83	0.83	0.83	0.80	0.79	0.80	0.79	0.82	0.76	0.84	0.55	1.00	1.00	1.00
4	29	9	0.63	0.96	0.95	0.93	0.93	0.90	0.94	0.93	0.90	0.87	0.92	0.52	1.00	1.00	1.00
4	29	10	0.78	1.00	1.00	0.99	0.99	0.92	0.97	0.98	0.92	0.92	0.98	0.42	1.00	1.00	1.00
4	29	11	0.87	1.00	1.00	1.00	0.99	0.97	0.97	0.99	0.90	0.93	0.99	0.37	1.00	1.00	1.00
4	29	12	1.00	1.00	1.00	0.99	0.99	0.98	0.99	0.99	0.91	0.94	0.99	0.39	1.00	1.00	1.00
4	29	13	1.00	1.00	1.00	0.98	0.98	0.97	0.98	0.97	0.86	0.88	0.98	0.28	1.00	1.00	1.00
4	29	14	1.00	1.00	0.99	0.97	0.97	0.96	0.96	0.96	0.87	0.85	0.96	0.41	1.00	1.00	1.00
4	29	15	0.97	0.97	0.95	0.93	0.94	0.92	0.93	0.93	0.84	0.72	0.90	0.36	1.00	1.00	1.00
4	29	16	0.91	0.90	0.85	0.82	0.85	0.84	0.85	0.85	0.73	0.67	0.77	0.35	1.00	1.00	1.00
4	29	17	0.75	0.76	0.68	0.67	0.68	0.66	0.67	0.68	0.68	0.49	0.49	0.24	1.00	1.00	1.00
4	29	18	0.39	0.38	0.36	0.40	0.26	0.30	0.32	0.26	0.41	0.32	0.15	0.04	1.00	1.00	1.00
4	29	19	0.08	0.05	0.04	0.02	0.02	0.01	0.01	0.02	0.05	0.04	0.00	0.00	1.00	1.00	1.00
4	29	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.05	1.00	1.00	1.00
4	30	6	0.03	0.15	0.20	0.29	0.20	0.17	0.14	0.20	0.38	0.30	0.32	0.26	1.00	1.00	1.00
4	30	7	0.42	0.59	0.60	0.64	0.57	0.55	0.51	0.56	0.66	0.63	0.63	0.49	1.00	1.00	1.00
4	30	8	0.67	0.85	0.84	0.84	0.81	0.79	0.76	0.80	0.82	0.81	0.83	0.64	1.00	1.00	1.00
4	30	9	0.83	0.98	0.96	0.94	0.93	0.91	0.91	0.92	0.88	0.91	0.91	0.67	1.00	1.00	1.00
4	30	10	0.89	1.00	1.00	0.99	0.98	0.93	0.99	0.97	0.88	0.94	0.99	0.74	1.00	1.00	1.00
4	30	11	0.95	1.00	0.99	1.00	1.00	0.99	0.94	0.99	0.87	0.94	0.98	0.76	1.00	1.00	1.00
4	30	12	0.95	1.00	1.00	1.00	0.98	0.94	0.96	0.97	0.91	0.93	0.94	0.77	1.00	1.00	1.00
4	30	13	0.96	1.00	0.97	0.99	0.96	0.96	0.98	0.96	0.88	0.91	0.88	0.82	1.00	1.00	1.00
4	30	14	0.80	0.89	0.97	0.96	0.95	0.96	0.95	0.94	0.74	0.93	0.92	0.86	1.00	1.00	1.00
4	30	15	0.79	0.94	0.77	0.89	0.82	0.91	0.94	0.81	0.69	0.86	0.89	0.76	1.00	1.00	1.00
4	30	16	0.89	0.79	0.78	0.78	0.60	0.77	0.84	0.60	0.71	0.78	0.79	0.68	1.00	1.00	1.00
4	30	17	0.76	0.67	0.63	0.50	0.48	0.64	0.64	0.48	0.65	0.59	0.57	0.42	1.00	1.00	1.00
4	30	18	0.45	0.42	0.34	0.20	0.32	0.30	0.27	0.32	0.31	0.36	0.22	0.07	1.00	1.00	1.00
4	30	19	0.11	0.06	0.03	0.01	0.02	0.01	0.01	0.02	0.06	0.05	0.00	0.00	1.00	1.00	1.00
4	30	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
4	30	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.00	1.00	1.00
5	1	6	0.03	0.06	0.10	0.12	0.05	0.13	0.04	0.05	0.12	0.17	0.10	0.54	1.00	1.00	1.00
5	1	7	0.41	0.30	0.23	0.43	0.22	0.29	0.31	0.22	0.51	0.45	0.31	0.82	1.00	1.00	1.00
5	1	8	0.75	0.48	0.42	0.76	0.37	0.38	0.32	0.37	0.67	0.65	0.44	0.98	1.00	1.00	1.00
5	1	9	0.92	0.60	0.40	0.91	0.56	0.25	0.31	0.56	0.72	0.77	0.46	1.00	1.00	1.00	1.00
5	1	10	1.00	0.79	0.56	0.95	0.60	0.44	0.33	0.60	0.78	0.78	0.49	1.00	1.00	1.00	1.00
5	1	11	1.00	0.89	0.64	0.75	0.49	0.69	0.30	0.48	0.67	0.77	0.51	0.98	1.00	1.00	1.00
5	1	12	1.00	0.96	0.77	0.57	0.65	0.50	0.38	0.65	0.63	0.76	0.54	0.81	1.00	1.00	1.00
5	1	13	1.00	1.00	0.75	0.49	0.50	0.44	0.51	0.50	0.58	0.66	0.54	0.68	1.00	1.00	1.00
5	1	14	1.00	1.00	0.85	0.45	0.43	0.62	0.65	0.42	0.48	0.63	0.50	0.61	1.00	1.00	1.00
5	1	15	0.97	1.00	0.80	0.50	0.53	0.72	0.57	0.53	0.58	0.59	0.51	0.59	1.00	1.00	1.00
5	1	16	0.92	0.97	0.88	0.39	0.68	0.69	0.67	0.67	0.46	0.60	0.46	0.44	1.00	1.00	1.00
5	1	17	0.75	0.73	0.78	0.39	0.66	0.62	0.54	0.65	0.39	0.54	0.31	0.18	1.00	1.00	1.00
5	1	18	0.48	0.45	0.48	0.32	0.33	0.23	0.29	0.32	0.28	0.35	0.11	0.02	1.00	1.00	1.00
5	1	19	0.13	0.07	0.07	0.02	0.02	0.01	0.01	0.02	0.02	0.06	0.00	0.00	1.00	1.00	1.00
5	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.04	1.00	1.00	1.00
5	2	6	0.03	0.14	0.23	0.22	0.25	0.22	0.18	0.25	0.37	0.24	0.25	0.23	1.00	1.00	1.00
5	2	7	0.30	0.49	0.57	0.55	0.61	0.57	0.56	0.60	0.62	0.55	0.49	0.36	1.00	1.00	1.00
5	2	8	0.62	0.77	0.85	0.84	0.83	0.82	0.81	0.82	0.80	0.79	0.65	0.45	1.00	1.00	1.00
5	2	9	0.85	1.00	0.99	0.97	0.94	0.95	0.95	0.93	0.90	0.89	0.77	0.56	1.00	1.00	1.00
5	2	10	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.92	0.85	0.62	1.00	1.00	1.00
5	2	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.89	0.92	0.57	1.00	1.00	1.00
5	2	12	0.82	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.86	0.86	0.96	0.58	1.00	1.00	1.00
5	2	13	0.81	0.99	1.00	0.98	1.00	0.99	0.97	1.00	0.87	0.84	0.86	0.37	1.00	1.00	1.00
5	2	14	0.75	0.82	0.99	1.00	0.98	0.97	0.99	0.97	0.91	0.78	0.80	0.26	1.00	1.00	1.00
5	2	15	0.72	0.70	0.92	0.97	0.91	0.90	0.96	0.90	0.89	0.71	0.84	0.25	1.00	1.00	1.00
5	2	16	0.76	0.64	0.91	0.88	0.86	0.66	0.88	0.85	0.81	0.62	0.78	0.32	1.00	1.00	1.00
5	2	17	0.65	0.58	0.79	0.75	0.72	0.57	0.62	0.71	0.70	0.62	0.59	0.22	1.00	1.00	1.00
5	2	18	0.33	0.40	0.49	0.46	0.40	0.33	0.31	0.40	0.41	0.36	0.14	0.03	1.00	1.00	1.00
5	2	19	0.07	0.06	0.07	0.04	0.03	0.02	0.01	0.03	0.07	0.07	0.00	0.00	1.00	1.00	1.00
5	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	1.00	1.00	1.00
5	3	6	0.05	0.09	0.24	0.31	0.24	0.23	0.14	0.24	0.01	0.25	0.37	0.57	1.00	1.00	1.00
5	3	7	0.52	0.39	0.64	0.66	0.61	0.60	0.55	0.61	0.06	0.55	0.68	0.85	1.00	1.00	1.00
5	3	8	0.81	0.63	0.82	0.89	0.86	0.85	0.83	0.85	0.24	0.73	0.87	1.00	1.00	1.00	1.00
5	3	9	0.97	0.81	0.99	1.00	0.98	0.97	0.96	0.97	0.67	0.83	0.97	1.00	1.00	1.00	1.00
5	3	10	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	0.77	0.90	1.00	1.00	1.00	1.00	1.00
5	3	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.81	0.92	1.00	1.00	1.00	1.00	1.00
5	3	12	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.89	0.95	1.00	1.00	1.00	1.00	1.00
5	3	13	0.98	1.00	1.00	0.96	1.00	1.00	1.00	1.00	0.85	0.93	1.00	1.00	1.00	1.00	1.00
5	3	14	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.70	0.92	0.98	1.00	1.00	1.00	1.00
5	3	15	0.92	1.00	0.86	0.98	0.89	0.94	0.96	0.88	0.79	0.73	0.95	1.00	1.00	1.00	1.00
5	3	16	0.88	1.00	0.79	0.57	0.70	0.88	0.87	0.69	0.76	0.62	0.83	0.87	1.00	1.00	1.00
5	3	17	0.76	0.79	0.63	0.35	0.52	0.70	0.64	0.51	0.63	0.47	0.60	0.61	1.00	1.00	1.00
5	3	18	0.49	0.46	0.30	0.07	0.32	0.26	0.24	0.32	0.35	0.35	0.22	0.10	1.00	1.00	1.00
5	3	19	0.13	0.07	0.03	0.00	0.02	0.01	0.01	0.02	0.02	0.05	0.00	0.00	1.00	1.00	1.00
5	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.14	1.00	1.00	1.00
5	4	6	0.00	0.05	0.15	0.18	0.15	0.19	0.15	0.15	0.14	0.12	0.28	0.55	1.00	1.00	1.00
5	4	7	0.04	0.41	0.43	0.57	0.49	0.54	0.54	0.48	0.29	0.31	0.54	0.79	1.00	1.00	1.00
5	4	8	0.11	0.62	0.78	0.88	0.71	0.63	0.68	0.71	0.39	0.53	0.78	0.95	1.00	1.00	1.00
5	4	9	0.25	0.73	0.68	1.00	0.85	0.79	0.67	0.84	0.39	0.60	0.83	0.99	1.00	1.00	1.00
5	4	10	0.43	0.86	0.87	1.00	0.95	0.59	0.77	0.95	0.38	0.60	0.92	0.96	1.00	1.00	1.00
5	4	11	0.59	0.85	0.86	1.00	0.95	0.94	0.78	0.94	0.35	0.58	0.82	0.91	1.00	1.00	1.00
5	4	12	0.83	0.87	0.68	1.00	0.89	0.96	0.97	0.88	0.39	0.68	0.92	0.86	1.00	1.00	1.00
5	4	13	0.88	0.65	0.77	0.65	0.85	0.64	0.85	0.84	0.34	0.71	0.86	0.80	1.00	1.00	1.00
5	4	14	0.85	0.52	0.74	0.74	0.96	0.78	0.69	0.96	0.28	0.65	0.83	0.80	1.00	1.00	1.00
5	4	15	0.62	0.44	0.65	0.97	0.88	0.55	0.56	0.87	0.35	0.66	0.82	0.74	1.00	1.00	1.00
5	4	16	0.54	0.42	0.50	0.94	0.64	0.32	0.34	0.64	0.23	0.52	0.71	0.53	1.00	1.00	1.00
5	4	17	0.43	0.36	0.39	0.78	0.49	0.24	0.13	0.48	0.25	0.45	0.44	0.24	1.00	1.00	1.00
5	4	18	0.25	0.16	0.28	0.43	0.35	0.22	0.16	0.35	0.20	0.35	0.18	0.02	1.00	1.00	1.00

Based on 2007 Weather			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fo	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
5	4	19	0.47	0.78	0.54	0.34	0.39	0.50	0.92	0.50	0.52	0.47	0.75	0.49	0.48	0.54	0.49	0.47	0.60	0.10	0.26	0.93	0.95	0.78	0.74	0.00	0.04	0.03	0.04	0.22	0.12	0.13	0.07	0.03	0.01	0.03	0.04	0.03	0.01	0.00	0.03	0.03	0.06	0.00	0.00	1.00	1.00	1.00
5	4	20	0.52	0.80	0.54	0.47	0.66	0.45	0.96	0.49	0.56	0.51	0.63	0.46	0.53	0.52	0.61	0.59	0.81	0.25	0.16	0.81	0.88	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	21	0.48	0.85	0.68	0.49	0.60	0.56	0.99	0.42	0.52	0.47	0.59	0.46	0.48	0.51	0.61	0.59	0.83	0.35	0.09	0.66	0.84	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	22	0.54	0.86	0.75	0.49	0.46	0.73	0.99	0.45	0.57	0.53	0.66	0.51	0.54	0.56	0.67	0.66	0.81	0.53	0.12	0.65	0.79	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	23	0.62	0.88	0.80	0.58	0.33	0.92	0.98	0.55	0.65	0.61	0.79	0.67	0.62	0.70	0.66	0.65	0.80	0.69	0.16	0.71	0.49	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	4	24	0.64	0.85	0.79	0.60	0.15	0.70	0.98	0.62	0.67	0.63	0.81	0.84	0.64	0.86	0.63	0.62	0.84	0.67	0.24	0.67	0.49	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	1	0.68	0.81	0.78	0.61	0.05	0.61	0.97	0.61	0.71	0.68	0.77	0.84	0.69	0.86	0.58	0.56	0.85	0.50	0.30	0.64	0.73	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	2	0.71	0.74	0.78	0.67	0.04	0.54	0.96	0.58	0.74	0.71	0.70	0.73	0.72	0.76	0.51	0.49	0.84	0.48	0.27	0.60	0.90	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	3	0.68	0.67	0.80	0.69	0.10	0.78	0.93	0.58	0.71	0.68	0.73	0.63	0.68	0.66	0.44	0.42	0.85	0.41	0.23	0.58	0.92	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	4	0.67	0.64	0.79	0.70	0.23	0.66	0.90	0.61	0.70	0.67	0.75	0.62	0.68	0.66	0.37	0.35	0.86	0.58	0.24	0.53	0.88	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	5	0.63	0.65	0.81	0.68	0.35	0.81	0.86	0.63	0.66	0.62	0.67	0.61	0.64	0.66	0.35	0.33	0.87	0.55	0.20	0.48	0.81	0.65	0.57	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.09	1.00	1.00	1.00
5	5	6	0.55	0.64	0.75	0.70	0.53	1.00	0.86	0.63	0.58	0.54	0.62	0.53	0.55	0.58	0.31	0.29	0.88	0.51	0.17	0.43	0.64	0.64	0.57	0.00	0.12	0.27	0.12	0.18	0.03	0.06	0.15	0.04	0.13	0.29	0.37	0.29	0.26	0.16	0.29	0.27	0.30	0.34	0.40	1.00	1.00	1.00
5	5	7	0.52	0.66	0.55	0.68	0.63	0.96	0.82	0.60	0.56	0.52	0.61	0.39	0.53	0.45	0.22	0.19	0.88	0.66	0.19	0.45	0.54	0.66	0.59	0.04	0.39	0.47	0.39	0.63	0.49	0.49	0.54	0.49	0.49	0.67	0.71	0.66	0.63	0.55	0.65	0.52	0.56	0.67	0.62	1.00	1.00	1.00
5	5	8	0.46	0.72	0.39	0.67	0.68	0.92	0.80	0.53	0.50	0.45	0.60	0.31	0.47	0.38	0.17	0.15	0.91	0.84	0.18	0.63	0.65	0.72	0.66	0.28	0.63	0.68	0.61	0.87	0.75	0.75	0.71	0.78	0.69	0.88	0.91	0.88	0.84	0.74	0.87	0.70	0.70	0.87	0.65	1.00	1.00	1.00
5	5	9	0.39	0.75	0.26	0.69	0.72	0.87	0.78	0.41	0.44	0.38	0.58	0.16	0.40	0.23	0.13	0.10	0.97	0.92	0.22	0.73	0.68	0.75	0.70	0.53	0.80	0.85	0.79	0.97	0.88	0.89	0.85	0.95	0.81	1.00	1.00	1.00	0.98	0.88	0.99	0.75	0.83	0.97	0.79	1.00	1.00	1.00
5	5	10	0.40	0.77	0.14	0.71	0.73	0.92	0.82	0.24	0.45	0.39	0.58	0.11	0.41	0.18	0.09	0.07	1.00	0.95	0.31	0.78	0.62	0.77	0.72	0.70	0.89	0.87	0.88	1.00	0.94	0.95	0.87	1.00	0.87	1.00	0.98	1.00	1.00	0.96	1.00	0.79	0.79	0.98	0.70	1.00	1.00	1.00
5	5	11	0.44	0.74	0.08	0.72	0.77	0.96	0.89	0.13	0.48	0.43	0.53	0.18	0.44	0.25	0.09	0.07	0.99	0.96	0.33	0.76	0.59	0.74	0.69	0.80	0.93	0.80	0.91	1.00	0.97	0.97	0.84	1.00	0.97	0.96	0.94	1.00	1.00	1.00	1.00	0.67	0.68	0.84	0.67	1.00	1.00	1.00
5	5	12	0.45	0.74	0.05	0.73	0.85	0.99	0.92	0.07	0.49	0.44	0.47	0.21	0.46	0.28	0.11	0.09	0.99	0.92	0.39	0.77	0.60	0.73	0.68	0.87	0.97	0.75	0.95	1.00	0.97	0.97	0.87	1.00	1.00	0.97	0.90	1.00	1.00	1.00	1.00	0.65	0.73	0.79	0.65	1.00	1.00	1.00
5	5	13	0.51	0.78	0.06	0.75	0.90	0.99	0.92	0.06	0.55	0.50	0.42	0.24	0.52	0.31	0.12	0.10	0.99	0.88	0.45	0.76	0.54	0.78	0.73	0.80	0.88	0.80	0.86	1.00	0.95	0.95	0.83	1.00	1.00	0.91	0.34	0.84	1.00	1.00	0.83	0.72	0.73	0.82	0.64	1.00	1.00	1.00
5	5	14	0.62	0.75	0.09	0.77	0.93	1.00	0.89	0.10	0.65	0.61	0.44	0.26	0.62	0.33	0.14	0.12	0.98	0.87	0.51	0.76	0.38	0.75	0.70	0.77	0.87	0.81	0.85	1.00	0.94	0.95	0.90	1.00	0.87	0.97	0.53	0.84	0.90	0.98	0.83	0.75	0.76	0.89	0.65	1.00	1.00	1.00
5	5	15	0.77	0.71	0.12	0.78	0.94	1.00	0.88	0.22	0.79	0.77	0.51	0.28	0.77	0.34	0.16	0.13	0.98	0.91	0.69	0.79	0.65	0.71	0.65	0.67	0.81	0.76	0.79	1.00	0.93	0.93	0.86	1.00	0.72	1.00	0.72	0.62	0.81	0.84	0.61	0.79	0.73	0.80	0.54	1.00	1.00	1.00
5	5	16	0.87	0.68	0.21	0.78	0.94	1.00	0.85	0.44	0.88	0.87	0.67	0.31	0.87	0.38	0.18	0.16	1.00	0.89	0.74	0.86	0.35	0.68	0.61	0.56	0.76	0.69	0.74	0.99	0.88	0.88	0.92	0.95	0.97	0.88	0.53	0.67	0.87	0.75	0.66	0.47	0.74	0.72	0.56	1.00	1.00	1.00
5	5	17	0.92	0.72	0.34	0.78	0.91	1.00	0.84	0.63	0.93	0.92	0.76	0.35	0.92	0.42	0.20	0.18	1.00	0.78	0.74	0.91	0.32	0.72	0.65	0.35	0.60	0.58	0.59	0.90	0.76	0.76	0.80	0.79	0.83	0.80	0.62	0.65	0.48	0.50	0.65	0.42	0.72	0.56	0.38	1.00	1.00	1.00
5	5	18	0.97	0.56	0.57	0.74	0.85	1.00	0.81	0.68	0.98	0.97	0.79	0.31	0.97	0.37	0.22	0.20	0.99	0.83	0.64	0.92	0.39	0.56	0.47	0.10	0.33	0.30	0.33	0.69	0.51	0.52	0.50	0.45	0.49	0.46	0.39	0.43	0.22	0.28	0.43	0.29	0.50	0.16	0.05	1.00	1.00	1.00
5	5	19	0.92	0.43	0.68	0.74	0.85	1.00	0.81	0.71	0.93	0.91	0.69	0.34	0.92	0.41	0.27	0.25	1.00	0.85	0.60	0.78	0.21	0.43	0.33	0.00	0.08	0.06	0.08	0.38	0.20	0.19	0.14	0.12	0.10	0.07	0.03	0.04	0.01	0.01	0.04	0.02	0.12	0.00	0.00	1.00	1.00	1.00
5	5	20	0.77	0.42	0.79	0.77	0.93	1.00	0.78	0.72	0.79	0.77	0.62	0.43	0.77	0.49	0.39	0.37	0.99	0.64	0.59	0.71	0.05	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	21	0.79	0.47	0.81	0.77	0.98	1.00	0.74	0.67	0.81	0.79	0.62	0.49	0.79	0.54	0.46	0.44	0.98	0.54	0.61	0.72	0.06	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	22	0.53	0.35	0.75	0.74	0.97	0.99	0.74	0.62	0.57	0.52	0.78	0.63	0.54	0.68	0.52	0.50	0.96	0.44	0.60	0.66	0.27	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	23	0.42	0.29	0.70	0.70	0.89	0.94	0.69	0.58	0.46	0.41	0.78	0.65	0.43	0.69	0.55	0.53	0.94	0.29	0.73	0.67	0.32	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	5	24	0.37	0.23	0.68	0.71	0.75	0.82	0.67	0.52	0.42	0.36	0.79	0.68	0.37	0.71	0.55	0.54	0.91	0.34	0.77	0.69	0.35	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	1	0.30	0.21	0.69	0.72	0.64	0.95	0.64	0.43	0.35	0.29	0.81	0.68	0.31	0.72	0.53	0.51	0.89	0.53	0.78	0.71	0.20	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	2	0.32	0.19	0.68	0.71	0.63	0.92	0.55	0.35	0.37	0.31	0.83	0.72	0.32	0.75	0.46	0.44	0.87	0.37	0.81	0.72	0.11	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	3	0.41	0.18	0.68	0.70	0.71	0.86	0.44	0.25	0.46	0.40	0.83	0.73	0.42	0.77	0.40	0.38	0.81	0.34	0.86	0.69	0.09	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	4	0.44	0.18	0.65	0.70	0.85	0.87	0.37	0.21	0.49	0.44	0.81	0.68	0.45	0.71	0.36	0.34	0.72	0.49	0.86	0.66	0.07	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	5	0.53	0.24	0.60	0.70	0.85	0.88	0.30	0.22	0.57	0.53	0.85	0.68	0.54	0.71	0.31	0.28	0.69	0.52	0.83	0.60	0.05	0.24	0.12	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.07	1.00	1.00	1.00
5	6	6	0.56	0.21	0.50	0.70	0.76	0.81	0.20	0.22	0.60	0.55	0.89	0.74	0.57	0.78	0.26	0.24	0.64	0.46	0.79	0.53	0.03	0.21	0.10	0.00	0.14	0.29	0.13	0.22	0.06	0.08	0.18	0.09	0.19	0.29	0.37	0.29	0.26	0.24	0.29	0.13	0.40	0.31	0.40	1.00	1.00	1.00
5	6	7	0.53	0.20	0.30	0.66	0.71	0.31	0.11	0.19	0.57	0.53	0.87	0.61	0.54	0.65	0.16	0.13	0.58	0.39	0.83	0.47	0.03	0.20	0.09	0.04	0.41	0.56	0.40	0.63	0.47	0.50	0.58	0.53	0.62	0.68	0.70	0.65	0.61	0.59	0.65	0.29	0.70	0.66	0.63	1.00	1.00	1.00
5	6	8	0.56	0.23	0.22	0.59	0.66	0.12	0.03	0.23	0.59	0.55	0.87	0.58	0.56	0.62	0.11	0.09	0.64	0.36	0.83	0.43	0.05	0.23	0.12	0.30	0.65	0.77	0.64	0.86	0.74	0.74	0.81	0.80	0.89	0.91	0.89	0.87	0.82	0.81	0.86	0.55	0.86	0.89	0.78	1.00	1.00	1.00
5	6	9	0.68	0.27	0.16	0.63	0.61	0.10	0.00	0.53	0.71	0.67	0.83	0.59	0.68	0.63	0.09	0.08	0.69	0.40	0.73	0.47	0.06	0.27	0.16	0.55	0.83	0.93	0.81	0.96	0.87	0.88	0.93	0.94	1.00	1.00	1.00	0.99	0.98	0.96	0.98	0.90	0.94	0.99	0.83	1.00	1.00	1.00
5	6	10	0.66	0.28	0.11	0.66	0.62	0.07	0.00	0.72	0.69	0.65	0.75	0.54	0.66	0.59	0.10	0.08	0.70	0.48	0.63	0.45	0.07	0.28	0.17	0.73	0.93	0.91	0.91	0.98	0.93	0.93	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.78	0.95	1.00	0.70	1.00	1.00	1.00
5	6	11	0.54	0.26	0.11	0.70	0.70	0.05	0.00	0.60	0.58	0.54	0.73	0.49	0.55	0.55	0.11	0.09	0.69	0.52	0.58	0.45	0.08	0.26	0.16	0.84	0.97	0.92	0.95	0.97	0.94	0.95	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.93	0.99	0.60	1.00	1.00	1.00
5	6	12	0.51	0.31	0.11	0.70	0.69	0.04	0.00	0.41	0.55	0.50	0.67	0.43	0.51	0.49	0.13	0.11	0.71	0.50	0.49	0.42	0.05	0.31	0.20	0.88	0.98	0.94	0.96	0.96	0.93	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87	0.92	0.94	0.73	1.00	1.00	1.00
5	6	13	0.47	0.46	0.14	0.71	0.66	0.06	0.00	0.30	0.51	0.46	0.63	0.34	0.47	0.41	0.15	0.13	0.71	0.45	0.44	0.39	0.02	0.46	0.36	0.88	0.97	0.94	0.95	0.99	0.91	0.91	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.86	0.92	0.91	0.80	1.00	1.00	1.00
5	6	14	0.46	0.50	0.20	0.72	0.65	0.08	0.00	0.23	0.50	0.45	0.55	0.25	0.47	0.32	0.19	0.17	0.72	0.47	0.44	0.36	0.02	0.50	0.41	0.84	0.95	0.91	0.93	0.98	0.90	0.90	0.87	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.79	0.94	0.91	0.76	1.00	1.00	1.00
5	6	15	0.42	0.53	0.34	0.73	0.65	0.08	0.02	0.16	0.47	0.42	0.49	0.18	0.43	0.25	0.24	0.22	0.73	0.56	0.35	0.35	0.02	0.53	0.44	0.74	0.88	0.90	0.87	0.92	0.88	0.88	0.88	0.88	1.00	1.00	1.00	1.00	0.92	0.95	0.99	0.75	0.95	0.91	0.76	1.00	1.00	1.00
5	6	16	0.45	0.51	0.50	0.75	0.69	0.07	0.06	0.10	0.50	0.45	0.45	0.20	0.46	0.27	0.30	0.27	0.74	0.65	0.34	0.37	0.01	0.51	0.41	0.59	0.79	0.83	0.78	0.89	0.83	0.84	0.83	0.84	0.98	0.96	0.95	0.92	0.83	0.87	0.91	0.79	0.90	0.80	0.75	1.00	1.00	1.00
5	6	17	0.46	0.46	0.64	0.77	0.72	0.04	0.13	0.08	0.50	0.45	0.41	0.18	0.47	0.25	0.37	0.34	0.76	0.68	0.34	0.44	0.02	0.46	0.36	0.36	0.60	0.68	0.59	0.70	0.69	0.70	0.70	0.66	0.82	0.82	0.79	0.72	0.68	0.70	0.71	0.76	0.77	0.57	0.60	1.00	1.00	1.00
5	6	18	0.47	0.37	0.75	0.72	0.66	0.00	0.20	0.12	0.51	0.46	0.33	0.17	0.47	0.25	0.44	0.42	0.75	0.66	0.30	0.50	0.02	0.37	0.26	0.10	0.33	0.34	0.32	0.59	0.44	0.38	0.43	0.44	0.53	0.52	0.46	0.37	0.39	0.39	0.37	0.52	0.50	0.17	0.12	1.00	1.00	1.00
5	6	19	0.45	0.28	0.79	0.72	0.62	0.02	0.26	0.26	0.50	0.44	0.23	0.09	0.46	0.16	0.54	0.53	0.67	0.61	0.26	0.46	0.03	0.28	0.17	0.00	0.07	0.07	0.07	0.33	0.18	0.11	0.12	0.13	0.13	0.10	0.05	0.04	0.03	0.03	0.04	0.10	0.11	0.00	0.00	1.00	1.00	1.00
5	6	20	0.43	0.24	0.84	0.74	0.70	0.14	0.24	0.36	0.47	0.42	0.17	0.07	0.44	0.14	0.65	0.63	0.68	0.58	0.23	0.47	0.03	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	6	21	0.47	0.26	0.83	0.68	0.79	0.29	0.24	0.34	0.52	0.47	0.15	0.07	0.48	0.15	0.71	0.70	0.66	0.54	0.22	0.56	0.02	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	22	0.46	0.33	0.83	0.65	0.79	0.50	0.27	0.43	0.50	0.45	0.19	0.08	0.47	0.15	0.70	0.69	0.68	0.39	0.21	0.54	0.07	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	23	0.43	0.32	0.80	0.71	0.61	0.20	0.27	0.56	0.48	0.42	0.22	0.05	0.44	0.13	0.63	0.62	0.65	0.24	0.22	0.42	0.14	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	6	24	0.40	0.23	0.78	0.70	0.48	0.09	0.21	0.61	0.45	0.40	0.20	0.03	0.41	0.10	0.55	0.53	0.68	0.15	0.22	0.31	0.15	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	1	0.37	0.22	0.73	0.70	0.52	0.04	0.12	0.68	0.42	0.36	0.28	0.04	0.38	0.11	0.46	0.44	0.67	0.09	0.22	0.36	0.11	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	2	0.36	0.18	0.68	0.69	0.59	0.07	0.09	0.71	0.41	0.35	0.34	0.09	0.36	0.16	0.37	0.35	0.69	0.06	0.23	0.38	0.08	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	3	0.40	0.18	0.63	0.70	0.53	0.09	0.01	0.72	0.45	0.39	0.54	0.15	0.41	0.23	0.32	0.30	0.71	0.04	0.24	0.40	0.08	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	4	0.43	0.20	0.56	0.71	0.42	0.09	0.00	0.73	0.48	0.42	0.63	0.24	0.44	0.31	0.28	0.26	0.71	0.03	0.25	0.36	0.10	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	5	0.35	0.23	0.47	0.70	0.43	0.03	0.00	0.76	0.40	0.34	0.69	0.34	0.35	0.40	0.21	0.18	0.67	0.03	0.25	0.37	0.13	0.23	0.12	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.02	0.14	1.00	1.00	1.00
5	7	6	0.27	0.17	0.38	0.71	0.51	0.04	0.00	0.73	0.32	0.26	0.68	0.43	0.28	0.49	0.12	0.10	0.57	0.03	0.21	0.39	0.12	0.17	0.07	0.00	0.14	0.37	0.14	0.23	0.06	0.07	0.19	0.10	0.21	0.30	0.37	0.31	0.28	0.23	0.31	0.45	0.39	0.39	0.47	1.00	1.00	1.00
5	7	7	0.19	0.12	0.25	0.67	0.52	0.03	0.00	0.64	0.24	0.18	0.63	0.51	0.20	0.57	0.05	0.04	0.49	0.02	0.19	0.36	0.10	0.12	0.03	0.04	0.40	0.66	0.39	0.62	0.45	0.49	0.57	0.52	0.61	0.67	0.69	0.64	0.62	0.60	0.64	0.72	0.69	0.70	0.74	1.00	1.00	1.00
5	7	8	0.16	0.13	0.12	0.51	0.38	0.01	0.00	0.52	0.22	0.15	0.64	0.53	0.17	0.58	0.02	0.01	0.42	0.02	0.16	0.32	0.15	0.13	0.04	0.29	0.64	0.85	0.63	0.83	0.72	0.73	0.78	0.77	0.86	0.88	0.88	0.85	0.83	0.81	0.85	0.87	0.84	0.88	0.92	1.00	1.00	1.00
5	7	9	0.15	0.15	0.04	0.46	0.17	0.00	0.00	0.41	0.21	0.14	0.71	0.57	0.16	0.62	0.02	0.01	0.33	0.06	0.11	0.27	0.21	0.15	0.05	0.54	0.81	0.98	0.79	0.95	0.85	0.85	0.91	0.92	1.00	1.00	0.99	0.97	0.94	0.94	0.96	0.95	0.92	0.97	1.00	1.00	1.00	1.00
5	7	10	0.18	0.13	0.00	0.45	0.03	0.00	0.00	0.35	0.24	0.17	0.75	0.61	0.19	0.66	0.02	0.01	0.26	0.12	0.10	0.24	0.21	0.13	0.04	0.71	0.90	1.00	0.89	1.00	0.91	0.91	0.95	0.99	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.97	0.95	1.00	1.00	1.00	1.00	1.00
5	7	11	0.20	0.15	0.00	0.42	0.00	0.00	0.00	0.32	0.26	0.20	0.74	0.57	0.21	0.62	0.03	0.02	0.19	0.14	0.10	0.19	0.16	0.15	0.05	0.81	0.95	1.00	0.93	1.00	0.91	0.92	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.96	1.00	1.00	1.00	1.00	1.00
5	7	12	0.23	0.13	0.00	0.35	0.00	0.00	0.00	0.26	0.29	0.22	0.62	0.46	0.24	0.52	0.04	0.02	0.15	0.14	0.12	0.17	0.12	0.13	0.03	0.86	0.96	1.00	0.94	0.98	0.90	0.91	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.96	0.94	1.00	0.96	1.00	1.00	1.00
5	7	13	0.19	0.13	0.00	0.27	0.00	0.01	0.00	0.20	0.25	0.19	0.47	0.37	0.20	0.44	0.04	0.03	0.14	0.14	0.13	0.16	0.09	0.13	0.04	0.86	0.95	1.00	0.93	0.97	0.88	0.89	0.94	0.99	1.00	1.00	1.00	1.00	1.00	0.95	0.99	0.96	0.94	0.98	1.00	1.00	1.00	1.00
5	7	14	0.18	0.13	0.00	0.22	0.00	0.02	0.00	0.15	0.24	0.17	0.35	0.34	0.19	0.40	0.05	0.03	0.12	0.13	0.13	0.15	0.07	0.13	0.04	0.83	0.94	0.99	0.92	0.98	0.87	0.88	0.94	0.99	1.00	1.00	1.00	1.00	0.98	0.98	0.99	0.94	0.95	0.95	0.93	1.00	1.00	1.00
5	7	15	0.16	0.14	0.03	0.17	0.00	0.02	0.04	0.10	0.22	0.15	0.27	0.29	0.17	0.36	0.05	0.04	0.10	0.14	0.15	0.15	0.07	0.14	0.04	0.74	0.89	0.93	0.87	0.96	0.85	0.87	0.93	0.97	1.00	1.00	0.99	0.98	0.93	0.95	0.97	0.90	0.94	0.89	0.85	1.00	1.00	1.00
5	7	16	0.18	0.15	0.06	0.15	0.00	0.03	0.10	0.06	0.24	0.17	0.29	0.26	0.19	0.33	0.06	0.04	0.08	0.13	0.14	0.17	0.04	0.15	0.05	0.59	0.80	0.85	0.78	0.93	0.81	0.82	0.87	0.91	0.97	0.95	0.91	0.91	0.87	0.88	0.90	0.84	0.89	0.79	0.77	1.00	1.00	1.00
5	7	17	0.19	0.19	0.07	0.14	0.00	0.05	0.18	0.05	0.24	0.18	0.32	0.22	0.20	0.29	0.06	0.04	0.08	0.13	0.11	0.21	0.04	0.19	0.09	0.37	0.63	0.67	0.61	0.84	0.72	0.70	0.76	0.77	0.80	0.80	0.77	0.73	0.71	0.70	0.72	0.76	0.78	0.61	0.45	1.00	1.00	1.00
5	7	18	0.19	0.27	0.09	0.14	0.00	0.08	0.28	0.06	0.25	0.18	0.35	0.20	0.20	0.27	0.06	0.05	0.08	0.12	0.08	0.23	0.04	0.27	0.17	0.10	0.34	0.34	0.34	0.65	0.49	0.45	0.49	0.47	0.51	0.48	0.43	0.44	0.41	0.35	0.43	0.47	0.52	0.12	0.08	1.00	1.00	1.00
5	7	19	0.15	0.44	0.10	0.18	0.04	0.12	0.36	0.06	0.21	0.15	0.36	0.19	0.16	0.26	0.08	0.07	0.09	0.10	0.06	0.31	0.04	0.45	0.33	0.00	0.08	0.08	0.08	0.32	0.22	0.17	0.15	0.15	0.12	0.09	0.05	0.05	0.04	0.02	0.05	0.09	0.13	0.00	0.00	1.00	1.00	1.00
5	7	20	0.08	0.43	0.12	0.24	0.22	0.10	0.33	0.04	0.14	0.07	0.36	0.16	0.09	0.24	0.10	0.08	0.10	0.07	0.04	0.32	0.03	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	7	21	0.00	0.45	0.12	0.23	0.42	0.23	0.32	0.00	0.06	0.00	0.39	0.12	0.01	0.19	0.08	0.06	0.11	0.06	0.04	0.37	0.07	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	22	0.00	0.48	0.17	0.18	0.52	0.37	0.34	0.00	0.04	0.00	0.41	0.16	0.00	0.23	0.06	0.05	0.17	0.05	0.08	0.38	0.19	0.48	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	23	0.00	0.30	0.17	0.18	0.50	0.43	0.32	0.00	0.04	0.00	0.46	0.23	0.00	0.30	0.08	0.06	0.27	0.03	0.14	0.44	0.21	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	7	24	0.00	0.27	0.14	0.19	0.45	0.41	0.32	0.03	0.04	0.00	0.49	0.29	0.00	0.36	0.08	0.06	0.32	0.03	0.23	0.42	0.12	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	1	0.00	0.19	0.15	0.19	0.48	0.31	0.31	0.04	0.04	0.00	0.55	0.33	0.00	0.39	0.09	0.07	0.33	0.03	0.29	0.38	0.10	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	2	0.00	0.09	0.18	0.17	0.46	0.32	0.32	0.06	0.04	0.00	0.51	0.30	0.00	0.37	0.12	0.10	0.25	0.01	0.34	0.37	0.11	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	3	0.00	0.12	0.18	0.13	0.35	0.08	0.33	0.14	0.05	0.00	0.49	0.18	0.01	0.25	0.16	0.13	0.13	0.01	0.40	0.40	0.14	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	4	0.04	0.22	0.16	0.11	0.19	0.07	0.30	0.27	0.10	0.04	0.52	0.19	0.05	0.27	0.19	0.17	0.05	0.00	0.49	0.42	0.18	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	5	0.07	0.26	0.14	0.10	0.05	0.04	0.26	0.29	0.13	0.06	0.54	0.20	0.08	0.28	0.23	0.21	0.02	0.00	0.54	0.41	0.16	0.26	0.14	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.01	0.02	0.01	1.00	1.00	1.00
5	8	6	0.05	0.21	0.12	0.09	0.01	0.02	0.22	0.23	0.10	0.04	0.52	0.18	0.06	0.25	0.25	0.23	0.01	0.00	0.48	0.40	0.14	0.21	0.10	0.00	0.14	0.31	0.14	0.24	0.07	0.07	0.17	0.10	0.18	0.31	0.36	0.29	0.26	0.23	0.29	0.44	0.39	0.39	0.06	1.00	1.00	1.00
5	8	7	0.00	0.14	0.10	0.06	0.00	0.02	0.16	0.10	0.05	0.00	0.36	0.13	0.01	0.20	0.21	0.18	0.00	0.00	0.38	0.33	0.05	0.14	0.05	0.04	0.40	0.54	0.39	0.62	0.48	0.48	0.55	0.52	0.59	0.66	0.69	0.64	0.60	0.57	0.64	0.71	0.67	0.68	0.15	1.00	1.00	1.00
5	8	8	0.00	0.16	0.07	0.03	0.00	0.01	0.07	0.01	0.01	0.00	0.28	0.16	0.00	0.24	0.16	0.14	0.00	0.00	0.31	0.32	0.04	0.16	0.06	0.29	0.63	0.70	0.62	0.83	0.72	0.71	0.77	0.77	0.85	0.87	0.87	0.85	0.76	0.79	0.84	0.85	0.83	0.86	0.14	1.00	1.00	1.00
5	8	9	0.00	0.21	0.04	0.03	0.00	0.00	0.05	0.00	0.00	0.00	0.22	0.21	0.00	0.29	0.16	0.14	0.00	0.00	0.24	0.25	0.03	0.21	0.10	0.53	0.79	0.84	0.78	0.94	0.84	0.83	0.88	0.91	0.98	0.99	0.96	0.95	0.90	0.91	0.94	0.93	0.92	0.95	0.35	1.00	1.00	1.00
5	8	10	0.00	0.24	0.01	0.04	0.00	0.00	0.05	0.00	0.04	0.00	0.09	0.15	0.00	0.22	0.19	0.17	0.00	0.01	0.16	0.14	0.05	0.24	0.13	0.69	0.89	0.92	0.87	0.99	0.89	0.89	0.94	0.98	1.00	1.00	1.00	1.00	0.93	0.96	0.99	0.95	0.95	0.99	0.54	1.00	1.00	1.00
5	8	11	0.00	0.32	0.00	0.04	0.00	0.00	0.07	0.01	0.05	0.00	0.04	0.05	0.00	0.11	0.27	0.24	0.00	0.02	0.10	0.06	0.06	0.32	0.21	0.79	0.93	0.91	0.91	0.97	0.90	0.89	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.99	0.95	0.94	0.96	0.48	1.00	1.00	1.00
5	8	12	0.00	0.38	0.00	0.05	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.32	0.30	0.01	0.02	0.05	0.01	0.05	0.38	0.27	0.85	0.95	0.93	0.93	0.99	0.89	0.89	0.94	1.00	1.00	1.00	1.00	0.99	0.98	0.99	0.99	0.93	0.93	0.97	0.55	1.00	1.00	1.00
5	8	13	0.00	0.39	0.01	0.06	0.00	0.00	0.11	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.36	0.34	0.02	0.01	0.02	0.00	0.04	0.39	0.28	0.84	0.93	0.95	0.91	0.91	0.87	0.86	0.93	0.99	1.00	1.00	0.99	0.99	0.90	0.96	0.98	0.92	0.93	0.95	0.71	1.00	1.00	1.00
5	8	14	0.00	0.40	0.13	0.08	0.00	0.01	0.15	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.41	0.39	0.02	0.01	0.01	0.00	0.03	0.40	0.28	0.81	0.91	0.89	0.89	0.86	0.86	0.86	0.93	0.99	1.00	1.00	0.99	0.98	0.95	0.97	0.97	0.91	0.94	0.94	0.49	1.00	1.00	1.00
5	8	15	0.00	0.23	0.42	0.14	0.00	0.02	0.18	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.47	0.45	0.02	0.01	0.01	0.00	0.02	0.23	0.13	0.72	0.87	0.83	0.85	0.82	0.85	0.84	0.91	0.97	1.00	0.98	0.97	0.96	0.95	0.92	0.95	0.89	0.88	0.84	0.50	1.00	1.00	1.00
5	8	16	0.00	0.27	0.67	0.19	0.00	0.06	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.51	0.49	0.02	0.01	0.00	0.00	0.01	0.27	0.15	0.57	0.77	0.76	0.76	0.78	0.81	0.80	0.86	0.90	0.95	0.92	0.90	0.88	0.87	0.84	0.88	0.85	0.84	0.68	0.57	1.00	1.00	1.00
5	8	17	0.00	0.19	0.72	0.29	0.00	0.11	0.27	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.49	0.47	0.03	0.01	0.01	0.00	0.00	0.19	0.09	0.36	0.61	0.61	0.59	0.73	0.71	0.68	0.74	0.76	0.78	0.76	0.75	0.73	0.67	0.69	0.72	0.73	0.75	0.57	0.31	1.00	1.00	1.00
5	8	18	0.03	0.18	0.72	0.30	0.05	0.15	0.33	0.24	0.08	0.02	0.00	0.00	0.04	0.05	0.51	0.50	0.08	0.02	0.01	0.03	0.00	0.18	0.08	0.10	0.32	0.32	0.32	0.49	0.49	0.47	0.47	0.44	0.45	0.43	0.42	0.42	0.37	0.38	0.42	0.41	0.47	0.18	0.06	1.00	1.00	1.00
5	8	19	0.25	0.19	0.71	0.40	0.25	0.57	0.39	0.57	0.31	0.24	0.07	0.02	0.26	0.09	0.61	0.59	0.11	0.04	0.03	0.12	0.00	0.19	0.09	0.00	0.08	0.08	0.07	0.22	0.25	0.18	0.15	0.14	0.10	0.07	0.05	0.05	0.03	0.03	0.05	0.09	0.12	0.00	0.00	1.00	1.00	1.00
5	8	20	0.25	0.23	0.75	0.51	0.39	0.89	0.41	0.61	0.31	0.25	0.23	0.03	0.26	0.10	0.58	0.56	0.14	0.03	0.03	0.17	0.00	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	8	21	0.21	0.21	0.76	0.44	0.45	0.88	0.41	0.54	0.26	0.20	0.23	0.06	0.21	0.13	0.49	0.47	0.16	0.04	0.04	0.12	0.02	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	22	0.18	0.13	0.81	0.33	0.55	0.84	0.42	0.53	0.24	0.17	0.18	0.08	0.19	0.15	0.49	0.47	0.13	0.03	0.05	0.05	0.05	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	23	0.21	0.07	0.77	0.27	0.63	0.76	0.47	0.54	0.27	0.20	0.19	0.13	0.22	0.21	0.45	0.43	0.12	0.02	0.06	0.03	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	8	24	0.17	0.06	0.75	0.23	0.65	0.62	0.48	0.54	0.22	0.16	0.19	0.13	0.18	0.21	0.37	0.35	0.17	0.07	0.08	0.03	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	1	0.09	0.06	0.78	0.24	0.65	0.67	0.42	0.53	0.15	0.08	0.18	0.08	0.10	0.15	0.27	0.24	0.26	0.12	0.10	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	2	0.10	0.09	0.80	0.24	0.63	0.84	0.41	0.51	0.16	0.09	0.07	0.06	0.11	0.13	0.20	0.17	0.41	0.17	0.11	0.01	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	3	0.10	0.08	0.76	0.21	0.57	0.78	0.42	0.44	0.16	0.09	0.01	0.03	0.11	0.10	0.20	0.18	0.46	0.18	0.09	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	4	0.10	0.05	0.72	0.14	0.50	0.55	0.39	0.42	0.16	0.09	0.00	0.00	0.11	0.05	0.21	0.19	0.43	0.21	0.10	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	5	0.09	0.05	0.59	0.10	0.42	0.37	0.34	0.37	0.15	0.08	0.00	0.00	0.10	0.02	0.20	0.18	0.36	0.23	0.12	0.00	0.00	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.02	0.02	0.09	1.00	1.00	1.00
5	9	6	0.07	0.08	0.47	0.09	0.35	0.30	0.24	0.25	0.13	0.06	0.00	0.00	0.08	0.01	0.15	0.13	0.22	0.22	0.13	0.00	0.00	0.08	0.00	0.00	0.14	0.37	0.14	0.23	0.08	0.10	0.18	0.06	0.20	0.28	0.35	0.32	0.29	0.24	0.32	0.41	0.39	0.38	0.48	1.00	1.00	1.00
5	9	7	0.01	0.05	0.29	0.07	0.25	0.19	0.16	0.12	0.07	0.01	0.00	0.00	0.02	0.01	0.07	0.05	0.09	0.14	0.12	0.00	0.00	0.05	0.00	0.04	0.39	0.61	0.38	0.61	0.49	0.50	0.55	0.37	0.59	0.65	0.66	0.63	0.61	0.59	0.62	0.69	0.65	0.67	0.58	1.00	1.00	1.00
5	9	8	0.00	0.03	0.16	0.04	0.10	0.03	0.11	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.03	0.10	0.13	0.00	0.00	0.03	0.00	0.28	0.62	0.78	0.61	0.83	0.73	0.72	0.77	0.62	0.85	0.85	0.85	0.83	0.82	0.81	0.82	0.84	0.81	0.86	0.66	1.00	1.00	1.00
5	9	9	0.00	0.03	0.10	0.06	0.02	0.01	0.09	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.03	0.02	0.01	0.15	0.13	0.00	0.00	0.03	0.00	0.52	0.79	0.90	0.77	0.95	0.86	0.84	0.89	0.84	0.98	0.97	0.95	0.93	0.94	0.93	0.92	0.91	0.89	0.95	0.81	1.00	1.00	1.00
5	9	10	0.01	0.01	0.04	0.11	0.00	0.00	0.08	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.04	0.03	0.01	0.16	0.13	0.00	0.00	0.01	0.00	0.70	0.89	0.93	0.87	0.99	0.91	0.89	0.94	0.98	1.00	1.00	0.99	0.98	0.98	0.99	0.97	0.93	0.94	0.98	0.71	1.00	1.00	1.00
5	9	11	0.00	0.02	0.01	0.19	0.03	0.00	0.06	0.01	0.05	0.00	0.01	0.00	0.01	0.01	0.07	0.05	0.01	0.10	0.12	0.00	0.00	0.02	0.00	0.79	0.92	0.90	0.91	0.95	0.92	0.90	0.95	1.00	1.00	1.00	1.00	0.97	0.96	1.00	0.96	0.87	0.90	0.97	0.56	1.00	1.00	1.00
5	9	12	0.00	0.01	0.01	0.31	0.08	0.01	0.06	0.06	0.04	0.00	0.06	0.00	0.00	0.01	0.10	0.08	0.03	0.06	0.16	0.02	0.01	0.01	0.00	0.84	0.94	0.89	0.92	1.00	0.91	0.90	0.94	1.00	1.00	1.00	0.96	0.97	0.95	0.98	0.96	0.79	0.91	0.96	0.57	1.00	1.00	1.00
5	9	13	0.03	0.15	0.00	0.39	0.15	0.01	0.08	0.17	0.09	0.02	0.11	0.00	0.04	0.04	0.15	0.13	0.08	0.03	0.18	0.05	0.01	0.15	0.06	0.85	0.93	0.89	0.91	1.00	0.89	0.88	0.93	1.00	1.00	1.00	0.96	0.96	0.94	0.96	0.95	0.71	0.86	0.95	0.71	1.00	1.00	1.00
5	9	14	0.12	0.41	0.00	0.47	0.21	0.01	0.10	0.28	0.17	0.11	0.15	0.00	0.13	0.06	0.18	0.16	0.11	0.02	0.19	0.07	0.00	0.41	0.28	0.81	0.92	0.85	0.90	0.99	0.88	0.87	0.93	0.99	1.00	1.00	0.97	0.96	0.94	0.96	0.95	0.73	0.79	0.95	0.60	1.00	1.00	1.00
5	9	15	0.19	0.26	0.00	0.54	0.30	0.19	0.14	0.35	0.25	0.18	0.22	0.02	0.20	0.08	0.20	0.18	0.09	0.03	0.14	0.10	0.00	0.26	0.16	0.73	0.87	0.82	0.86	0.98	0.88	0.86	0.92	0.97	1.00	0.98	0.95	0.92	0.87	0.94	0.91	0.74	0.81	0.91	0.56	1.00	1.00	1.00
5	9	16	0.24	0.33	0.00	0.59	0.38	0.64	0.20	0.42	0.30	0.23	0.30	0.05	0.25	0.12	0.23	0.21	0.16	0.04	0.17	0.12	0.00	0.34	0.22	0.58	0.78	0.77	0.77	0.94	0.83	0.82	0.87	0.91	0.95	0.92	0.89	0.86	0.80	0.87	0.85	0.74	0.74	0.83	0.56	1.00	1.00	1.00
5	9	17	0.28	0.29	0.00	0.63	0.39	0.83	0.26	0.45	0.33	0.27	0.46	0.09	0.29	0.16	0.25	0.23	0.28	0.05	0.13	0.15	0.00	0.29	0.18	0.36	0.61	0.61	0.60	0.85	0.72	0.70	0.74	0.78	0.79	0.77	0.74	0.70	0.63	0.70	0.69	0.59	0.67	0.66	0.41	1.00	1.00	1.00
5	9	18	0.36	0.27	0.02	0.58	0.38	0.93	0.31	0.47	0.41	0.35	0.52	0.27	0.37	0.35	0.25	0.23	0.28	0.11	0.07	0.21	0.00	0.27	0.17	0.10	0.34	0.32	0.33	0.65	0.50	0.43	0.50	0.49	0.46	0.47	0.42	0.43	0.37	0.35	0.43	0.39	0.45	0.21	0.09	1.00	1.00	1.00
5	9	19	0.52	0.45	0.06	0.61	0.50	0.97	0.35	0.48	0.56	0.52	0.54	0.30	0.53	0.36	0.24	0.22	0.25	0.32	0.10	0.33	0.03	0.45	0.34	0.00	0.09	0.08	0.08	0.29	0.26	0.16	0.17	0.16	0.11	0.09	0.06	0.06	0.03	0.03	0.06	0.08	0.12	0.01	0.00	1.00	1.00	1.00
5	9	20	0.69	0.47	0.09	0.67	0.65	0.99	0.36	0.52	0.72	0.69	0.55	0.33	0.69	0.39	0.24	0.21	0.26	0.52	0.08	0.41	0.02	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	9	21	0.62	0.57	0.06	0.61	0.76	0.94	0.34	0.47	0.65	0.61	0.53	0.39	0.62	0.45	0.21	0.19	0.34	0.61	0.05	0.43	0.03	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	22	0.49	0.58	0.08	0.53	0.81	0.91	0.31	0.49	0.53	0.48	0.53	0.52	0.50	0.58	0.21	0.19	0.27	0.68	0.05	0.41	0.07	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	23	0.50	0.55	0.05	0.48	0.82	0.90	0.31	0.54	0.54	0.49	0.53	0.56	0.50	0.61	0.21	0.19	0.26	0.74	0.06	0.40	0.26	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	9	24	0.53	0.65	0.02	0.46	0.83	0.90	0.32	0.60	0.57	0.52	0.51	0.62	0.53	0.66	0.19	0.17	0.26	0.69	0.05	0.38	0.16	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	1	0.50	0.66	0.08	0.44	0.81	0.87	0.32	0.55	0.54	0.49	0.49	0.59	0.51	0.63	0.17	0.15	0.26	0.64	0.04	0.37	0.11	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	2	0.41	0.59	0.10	0.41	0.78	0.59	0.31	0.47	0.45	0.40	0.49	0.54	0.42	0.59	0.15	0.13	0.26	0.57	0.13	0.28	0.17	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	3	0.37	0.52	0.12	0.38	0.70	0.61	0.31	0.43	0.42	0.36	0.50	0.53	0.38	0.58	0.17	0.15	0.27	0.54	0.28	0.18	0.24	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	4	0.29	0.50	0.14	0.32	0.57	0.41	0.31	0.34	0.34	0.28	0.44	0.49	0.30	0.55	0.13	0.11	0.34	0.52	0.26	0.11	0.21	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	5	0.14	0.44	0.13	0.26	0.51	0.35	0.31	0.19	0.20	0.13	0.35	0.42	0.15	0.48	0.09	0.07	0.32	0.54	0.17	0.06	0.21	0.44	0.34	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.02	0.03	0.12	1.00	1.00	1.00
5	10	6	0.08	0.31	0.09	0.22	0.48	0.39	0.29	0.07	0.14	0.07	0.19	0.30	0.09	0.37	0.11	0.09	0.16	0.50	0.08	0.01	0.20	0.31	0.20	0.00	0.14	0.39	0.14	0.20	0.07	0.10	0.21	0.08	0.23	0.32	0.38	0.30	0.26	0.26	0.30	0.44	0.39	0.39	0.61	1.00	1.00	1.00
5	10	7	0.02	0.15	0.02	0.13	0.41	0.15	0.27	0.01	0.08	0.01	0.09	0.17	0.03	0.24	0.10	0.08	0.09	0.37	0.02	0.00	0.09	0.15	0.06	0.04	0.39	0.66	0.38	0.61	0.46	0.51	0.56	0.40	0.61	0.66	0.67	0.62	0.58	0.60	0.62	0.69	0.66	0.67	0.87	1.00	1.00	1.00
5	10	8	0.00	0.13	0.00	0.08	0.34	0.05	0.22	0.00	0.05	0.00	0.05	0.03	0.01	0.10	0.09	0.07	0.08	0.33	0.01	0.01	0.02	0.13	0.04	0.29	0.63	0.85	0.62	0.85	0.71	0.73	0.78	0.77	0.86	0.86	0.84	0.83	0.78	0.81	0.82	0.83	0.82	0.84	1.00	1.00	1.00	1.00
5	10	9	0.01	0.10	0.00	0.11	0.22	0.08	0.19	0.00	0.06	0.00	0.05	0.00	0.02	0.03	0.12	0.10	0.06	0.34	0.01	0.03	0.00	0.10	0.01	0.53	0.80	0.96	0.78	0.96	0.87	0.86	0.89	0.94	0.99	0.98	0.95	0.93	0.89	0.92	0.92	0.90	0.90	0.92	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
5	10	10	0.05	0.09	0.00	0.15	0.11	0.05	0.18	0.00	0.11	0.04	0.01	0.00	0.06	0.01	0.16	0.13	0.03	0.36	0.00	0.07	0.00	0.09	0.01	0.70	0.89	1.00	0.88	1.00	0.94	0.92	0.95	1.00	1.00	1.00	0.99	0.98	0.92	0.97	0.97	0.92	0.93	0.96	1.00	1.00	1.00	1.00
5	10	11	0.11	0.10	0.00	0.20	0.02	0.05	0.18	0.00	0.17	0.10	0.01	0.00	0.12	0.01	0.17	0.15	0.04	0.43	0.00	0.15	0.00	0.10	0.02	0.80	0.94	1.00	0.92	1.00	0.96	0.93	0.96	1.00	1.00	1.00	1.00	0.98	0.94	0.98	0.97	0.92	0.93	0.96	1.00	1.00	1.00	1.00
5	10	12	0.16	0.12	0.00	0.22	0.01	0.04	0.18	0.05	0.21	0.15	0.05	0.00	0.17	0.03	0.17	0.15	0.08	0.46	0.00	0.29	0.01	0.12	0.03	0.85	0.95	0.98	0.93	1.00	0.94	0.91	0.95	1.00	1.00	1.00	0.98	0.99	0.92	0.96	0.98	0.90	0.92	0.94	0.93	1.00	1.00	1.00
5	10	13	0.23	0.12	0.00	0.25	0.00	0.04	0.20	0.13	0.28	0.22	0.12	0.00	0.24	0.04	0.17	0.15	0.12	0.47	0.01	0.40	0.01	0.12	0.03	0.85	0.93	0.99	0.92	0.99	0.92	0.89	0.93	1.00	1.00	1.00	0.96	0.96	0.92	0.94	0.95	0.89	0.91	0.93	0.99	1.00	1.00	1.00
5	10	14	0.31	0.14	0.00	0.28	0.00	0.04	0.23	0.20	0.36	0.30	0.19	0.00	0.32	0.06	0.18	0.16	0.17	0.48	0.03	0.48	0.01	0.14	0.05	0.81	0.92	0.95	0.90	0.95	0.90	0.89	0.93	1.00	1.00	1.00	0.97	0.96	0.95	0.95	0.95	0.88	0.92	0.94	0.88	1.00	1.00	1.00
5	10	15	0.33	0.18	0.01	0.28	0.03	0.06	0.24	0.23	0.38	0.32	0.30	0.02	0.34	0.09	0.19	0.17	0.26	0.49	0.04	0.51	0.01	0.18	0.07	0.73	0.88	0.92	0.86	0.95	0.88	0.85	0.92	1.00	1.00	0.98	0.95	0.94	0.93	0.94	0.93	0.87	0.88	0.91	0.88	1.00	1.00	1.00
5	10	16	0.34	0.15	0.08	0.27	0.07	0.10	0.27	0.24	0.39	0.33	0.47	0.06	0.35	0.13	0.19	0.17	0.28	0.49	0.12	0.53	0.03	0.15	0.05	0.58	0.78	0.82	0.77	0.86	0.84	0.78	0.86	0.93	0.96	0.92	0.89	0.87	0.86	0.86	0.86	0.83	0.83	0.83	0.77	1.00	1.00	1.00
5	10	17	0.36	0.09	0.26	0.25	0.13	0.16	0.32	0.25	0.41	0.35	0.58	0.26	0.37	0.33	0.20	0.18	0.30	0.48	0.10	0.53	0.01	0.09	0.01	0.35	0.60	0.64	0.59	0.58	0.72	0.68	0.73	0.78	0.81	0.78	0.74	0.71	0.69	0.69	0.70	0.72	0.72	0.66	0.49	1.00	1.00	1.00
5	10	18	0.46	0.10	0.41	0.22	0.24	0.39	0.40	0.27	0.51	0.46	0.56	0.42	0.47	0.48	0.25	0.23	0.24	0.47	0.10	0.53	0.01	0.10	0.02	0.10	0.33	0.33	0.32	0.45	0.48	0.47	0.47	0.49	0.51	0.44	0.46	0.41	0.39	0.37	0.41	0.45	0.46	0.24	0.09	1.00	1.00	1.00
5	10	19	0.62	0.15	0.46	0.26	0.45	0.74	0.46	0.25	0.66	0.62	0.54	0.45	0.63	0.51	0.24	0.22	0.13	0.59	0.23	0.52	0.06	0.15	0.05	0.00	0.08	0.08	0.08	0.17	0.25	0.18	0.15	0.17	0.14	0.09	0.07	0.06	0.04	0.03	0.05	0.10	0.12	0.01	0.00	1.00	1.00	1.00
5	10	20	0.65	0.12	0.57	0.40	0.67	0.81	0.46	0.22	0.69	0.65	0.55	0.48	0.66	0.53	0.25	0.23	0.06	0.52	0.23	0.46	0.06	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	10	21	0.51	0.07	0.60	0.37	0.72	0.77	0.40	0.20	0.55	0.51	0.56	0.60	0.52	0.65	0.23	0.21	0.06	0.43	0.30	0.37	0.11	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	22	0.38	0.15	0.55	0.25	0.73	0.76	0.39	0.28	0.43	0.37	0.56	0.68	0.39	0.72	0.26	0.23	0.09	0.43	0.29	0.31	0.41	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	23	0.27	0.16	0.39	0.18	0.70	0.74	0.36	0.28	0.33	0.26	0.48	0.66	0.28	0.69	0.23	0.20	0.23	0.42	0.35	0.28	0.55	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	10	24	0.27	0.10	0.28	0.18	0.67	0.70	0.32	0.29	0.32	0.26	0.42	0.69	0.28	0.73	0.16	0.14	0.27	0.41	0.30	0.23	0.44	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	1	0.18	0.10	0.27	0.18	0.65	0.57	0.31	0.26	0.23	0.17	0.38	0.69	0.19	0.72	0.13	0.11	0.23	0.38	0.21	0.20	0.40	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	2	0.09	0.07	0.33	0.17	0.61	0.49	0.27	0.14	0.14	0.08	0.31	0.66	0.10	0.70	0.08	0.06	0.20	0.36	0.18	0.16	0.36	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	3	0.03	0.04	0.30	0.13	0.59	0.45	0.21	0.05	0.08	0.02	0.29	0.60	0.04	0.65	0.05	0.03	0.14	0.30	0.17	0.11	0.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	4	0.03	0.03	0.23	0.08	0.59	0.47	0.16	0.01	0.08	0.02	0.27	0.58	0.04	0.62	0.03	0.02	0.11	0.28	0.12	0.06	0.16	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	5	0.04	0.03	0.24	0.05	0.60	0.42	0.13	0.00	0.09	0.03	0.19	0.55	0.05	0.60	0.02	0.01	0.09	0.25	0.11	0.03	0.06	0.03	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.01	0.03	0.09	1.00	1.00	1.00
5	11	6	0.06	0.04	0.21	0.04	0.57	0.35	0.11	0.00	0.12	0.05	0.15	0.52	0.07	0.58	0.02	0.01	0.11	0.16	0.12	0.03	0.01	0.04	0.00	0.00	0.14	0.37	0.13	0.06	0.07	0.11	0.21	0.07	0.23	0.32	0.37	0.30	0.27	0.26	0.29	0.43	0.35	0.39	0.47	1.00	1.00	1.00
5	11	7	0.01	0.03	0.05	0.03	0.43	0.22	0.09	0.00	0.07	0.01	0.10	0.45	0.02	0.51	0.02	0.01	0.03	0.06	0.07	0.02	0.00	0.03	0.00	0.04	0.37	0.65	0.36	0.41	0.42	0.50	0.57	0.28	0.62	0.66	0.67	0.62	0.60	0.60	0.62	0.67	0.64	0.67	0.83	1.00	1.00	1.00
5	11	8	0.00	0.03	0.00	0.02	0.33	0.04	0.05	0.00	0.02	0.00	0.08	0.32	0.00	0.39	0.01	0.00	0.01	0.01	0.04	0.01	0.00	0.03	0.00	0.28	0.61	0.84	0.60	0.75	0.69	0.74	0.78	0.58	0.86	0.86	0.85	0.82	0.79	0.81	0.81	0.82	0.79	0.83	1.00	1.00	1.00	1.00
5	11	9	0.00	0.05	0.00	0.02	0.27	0.05	0.03	0.00	0.00	0.00	0.08	0.16	0.00	0.23	0.02	0.01	0.01	0.00	0.02	0.03	0.01	0.05	0.00	0.51	0.77	0.95	0.76	0.88	0.85	0.85	0.89	0.75	1.00	0.98	0.94	0.94	0.88	0.91	0.93	0.89	0.88	0.91	1.00	1.00	1.00	1.00
5	11	10	0.00	0.07	0.00	0.04	0.20	0.03	0.02	0.00	0.00	0.00	0.08	0.03	0.00	0.10	0.04	0.02	0.02	0.00	0.02	0.07	0.04	0.07	0.00	0.68	0.87	1.00	0.86	0.91	0.91	0.90	0.95	0.91	1.00	1.00	0.98	0.98	0.92	0.97	0.97	0.92	0.92	0.95	1.00	1.00	1.00	1.00
5	11	11	0.00	0.09	0.00	0.06	0.17	0.03	0.03	0.01	0.00	0.00	0.10	0.01	0.00	0.07	0.06	0.04	0.03	0.00	0.02	0.14	0.09	0.09	0.01	0.78	0.92	0.99	0.90	0.92	0.92	0.92	0.96	1.00	1.00	1.00	0.98	0.99	0.93	0.97	0.98	0.90	0.93	0.95	0.96	1.00	1.00	1.00
5	11	12	0.00	0.09	0.00	0.10	0.17	0.03	0.04	0.06	0.04	0.00	0.11	0.01	0.00	0.07	0.08	0.06	0.05	0.02	0.03	0.25	0.23	0.09	0.01	0.83	0.93	0.96	0.91	0.89	0.92	0.91	0.94	1.00	1.00	1.00	0.97	0.97	0.92	0.95	0.96	0.88	0.92	0.93	0.86	1.00	1.00	1.00
5	11	13	0.03	0.08	0.00	0.17	0.23	0.03	0.04	0.13	0.08	0.02	0.16	0.03	0.03	0.10	0.13	0.11	0.08	0.06	0.03	0.41	0.20	0.08	0.00	0.83	0.92	0.93	0.90	0.79	0.91	0.89	0.93	1.00	1.00	1.00	0.97	0.95	0.91	0.95	0.95	0.83	0.91	0.87	0.86	1.00	1.00	1.00
5	11	14	0.06	0.08	0.00	0.23	0.34	0.04	0.06	0.18	0.11	0.05	0.29	0.08	0.07	0.15	0.16	0.14	0.14	0.11	0.07	0.50	0.11	0.08	0.00	0.79	0.90	0.94	0.88	0.75	0.87	0.88	0.92	1.00	1.00	1.00	0.97	0.95	0.94	0.97	0.94	0.85	0.90	0.88	0.91	1.00	1.00	1.00
5	11	15	0.14	0.08	0.00	0.29	0.49	0.15	0.08	0.24	0.19	0.13	0.41	0.17	0.15	0.24	0.18	0.15	0.19	0.19	0.12	0.58	0.10	0.08	0.00	0.70	0.84	0.87	0.82	0.63	0.86	0.86	0.91	1.00	1.00	0.98	0.94	0.93	0.86	0.93	0.92	0.82	0.89	0.78	0.79	1.00	1.00	1.00
5	11	16	0.27	0.05	0.00	0.35	0.67	0.33	0.12	0.28	0.33	0.27	0.50	0.36	0.28	0.42	0.19	0.16	0.20	0.23	0.12	0.60	0.13	0.05	0.00	0.56	0.76	0.76	0.74	0.63	0.83	0.81	0.86	0.94	0.94	0.92	0.88	0.86	0.80	0.85	0.85	0.77	0.83	0.74	0.67	1.00	1.00	1.00
5	11	17	0.40	0.05	0.00	0.42	0.76	0.53	0.18	0.32	0.45	0.40	0.55	0.47	0.41	0.53	0.18	0.16	0.21	0.25	0.19	0.63	0.13	0.05	0.00	0.34	0.58	0.56	0.57	0.54	0.67	0.67	0.72	0.78	0.77	0.77	0.74	0.68	0.65	0.70	0.67	0.70	0.73	0.62	0.44	1.00	1.00	1.00
5	11	18	0.56	0.07	0.00	0.46	0.81	0.67	0.26	0.37	0.60	0.55	0.57	0.48	0.56	0.54	0.18	0.16	0.16	0.25	0.18	0.62	0.21	0.07	0.00	0.09	0.31	0.26	0.31	0.40	0.49	0.36	0.42	0.48	0.45	0.46	0.44	0.42	0.35	0.39	0.41	0.39	0.50	0.22	0.09	1.00	1.00	1.00
5	11	19	0.65	0.10	0.01	0.54	0.84	0.91	0.34	0.46	0.69	0.65	0.61	0.50	0.66	0.55	0.20	0.18	0.19	0.20	0.24	0.57	0.50	0.10	0.02	0.00	0.07	0.06	0.07	0.10	0.27	0.13	0.12	0.16	0.11	0.10	0.07	0.06	0.03	0.04	0.06	0.10	0.15	0.01	0.00	1.00	1.00	1.00
5	11	20	0.63	0.20	0.08	0.62	0.89	0.95	0.38	0.49	0.66	0.62	0.74	0.61	0.63	0.65	0.23	0.21	0.26	0.23	0.39	0.52	0.64	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	11	21	0.51	0.20	0.01	0.58	0.90	0.92	0.38	0.52	0.56	0.51	0.75	0.73	0.52	0.76	0.24	0.22	0.28	0.30	0.40	0.38	0.62	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	22	0.37	0.31	0.00	0.55	0.89	0.85	0.37	0.49	0.42	0.36	0.67	0.69	0.38	0.72	0.25	0.22	0.19	0.42	0.42	0.30	0.51	0.31	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	23	0.34	0.26	0.04	0.57	0.89	0.80	0.40	0.42	0.39	0.33	0.56	0.65	0.35	0.68	0.22	0.20	0.16	0.44	0.39	0.27	0.41	0.26	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	11	24	0.36	0.15	0.11	0.56	0.86	0.66	0.43	0.46	0.41	0.35	0.42	0.63	0.37	0.66	0.20	0.18	0.18	0.47	0.36	0.24	0.34	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	1	0.36	0.11	0.16	0.48	0.84	0.57	0.44	0.48	0.41	0.35	0.33	0.65	0.37	0.69	0.20	0.17	0.18	0.51	0.39	0.23	0.28	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	2	0.33	0.06	0.25	0.39	0.85	0.62	0.47	0.49	0.38	0.32	0.27	0.63	0.34	0.67	0.17	0.15	0.19	0.50	0.29	0.19	0.19	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	3	0.27	0.05	0.29	0.31	0.87	0.62	0.49	0.42	0.32	0.26	0.23	0.68	0.27	0.72	0.17	0.15	0.18	0.46	0.26	0.16	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	4	0.21	0.05	0.34	0.25	0.88	0.60	0.49	0.32	0.27	0.20	0.21	0.68	0.22	0.72	0.18	0.16	0.26	0.39	0.25	0.15	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	5	0.17	0.06	0.40	0.20	0.88	0.63	0.51	0.26	0.23	0.16	0.21	0.64	0.18	0.68	0.18	0.16	0.30	0.34	0.24	0.08	0.03	0.06	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.02	0.03	0.14	1.00	1.00	1.00
5	12	6	0.10	0.04	0.44	0.17	0.89	0.67	0.52	0.23	0.16	0.09	0.17	0.62	0.11	0.67	0.17	0.14	0.36	0.23	0.20	0.03	0.03	0.04	0.00	0.00	0.12	0.36	0.12	0.14	0.08	0.13	0.17	0.03	0.05	0.21	0.38	0.30	0.27	0.22	0.30	0.37	0.29	0.38	0.59	1.00	1.00	1.00
5	12	7	0.03	0.03	0.31	0.08	0.87	0.27	0.50	0.15	0.08	0.02	0.11	0.52	0.03	0.57	0.13	0.11	0.24	0.12	0.11	0.04	0.03	0.03	0.00	0.04	0.34	0.63	0.33	0.54	0.42	0.51	0.53	0.18	0.30	0.51	0.68	0.64	0.58	0.54	0.63	0.62	0.55	0.67	0.86	1.00	1.00	1.00
5	12	8	0.00	0.04	0.33	0.04	0.84	0.24	0.47	0.05	0.04	0.00	0.04	0.38	0.00	0.45	0.13	0.11	0.19	0.07	0.06	0.04	0.05	0.04	0.00	0.27	0.58	0.82	0.57	0.79	0.74	0.75	0.77	0.44	0.72	0.75	0.84	0.82	0.77	0.78	0.82	0.75	0.75	0.84	1.00	1.00	1.00	1.00
5	12	9	0.00	0.06	0.37	0.05	0.79	0.21	0.45	0.01	0.05	0.00	0.03	0.21	0.00	0.28	0.13	0.11	0.19	0.08	0.04	0.09	0.10	0.06	0.00	0.51	0.77	0.92	0.76	0.94	0.88	0.87	0.91	0.73	0.96	0.93	0.93	0.93	0.88	0.90	0.92	0.81	0.83	0.92	1.00	1.00	1.00	1.00
5	12	10	0.05	0.08	0.50	0.08	0.74	0.18	0.44	0.02	0.11	0.04	0.06	0.09	0.06	0.16	0.18	0.16	0.20	0.25	0.07	0.18	0.18	0.08	0.00	0.69	0.89	0.95	0.87	0.98	0.95	0.94	0.97	0.95	1.00	1.00	0.98	0.96	0.91	1.00	0.96	0.79	0.89	0.89	1.00	1.00	1.00	1.00
5	12	11	0.25	0.10	0.58	0.14	0.70	0.15	0.46	0.05	0.30	0.24	0.14	0.04	0.26	0.10	0.32	0.29	0.22	0.67	0.17	0.38	0.22	0.10	0.02	0.80	0.94	0.95	0.92	1.00	0.97	0.95	0.99	1.00	1.00	1.00	0.99	0.94	0.93	1.00	0.93	0.81	0.88	0.84	1.00	1.00	1.00	1.00
5	12	12	0.41	0.12	0.60	0.21	0.65	0.14	0.53	0.13	0.45	0.40	0.21	0.04	0.41	0.11	0.47	0.45	0.24	0.90	0.33	0.58	0.29	0.12	0.03	0.85	0.95	0.95	0.93	1.00	0.95	0.93	0.98	1.00	1.00	0.98	0.97	0.95	0.93	0.97	0.94	0.82	0.90	0.86	0.95	1.00	1.00	1.00
5	12	13	0.55	0.13	0.60	0.27	0.62	0.17	0.61	0.27	0.59	0.54	0.33	0.10	0.55	0.17	0.57	0.55	0.28	0.95	0.34	0.71	0.37	0.13	0.04	0.85	0.94	0.96	0.92	1.00	0.93	0.92	0.94	1.00	1.00	0.99	0.94	0.92	0.90	0.97	0.91	0.86	0.86	0.88	0.99	1.00	1.00	1.00
5	12	14	0.64	0.14	0.64	0.31	0.61	0.23	0.69	0.46	0.67	0.64	0.47	0.23	0.65	0.30	0.54	0.52	0.31	0.96	0.43	0.79	0.46	0.14	0.04	0.81	0.92	0.92	0.90	0.98	0.90	0.91	0.92	1.00	1.00	0.99	0.93	0.95	0.96	0.93	0.94	0.81	0.82	0.91	0.97	1.00	1.00	1.00
5	12	15	0.70	0.13	0.73	0.31	0.67	0.33	0.75	0.64	0.73	0.70	0.56	0.40	0.71	0.46	0.55	0.53	0.37	0.95	0.41	0.83	0.52	0.13	0.04	0.73	0.88	0.82	0.87	0.99	0.92	0.90	0.93	1.00	1.00	0.91	0.94	0.92	0.93	0.93	0.91	0.58	0.80	0.82	0.87	1.00	1.00	1.00
5	12	16	0.74	0.22	0.67	0.30	0.74	0.45	0.80	0.73	0.76	0.74	0.62	0.48	0.74	0.54	0.58	0.56	0.43	0.93	0.31	0.86	0.51	0.22	0.11	0.58	0.78	0.71	0.76	0.95	0.85	0.85	0.89	0.95	0.95	0.82	0.85	0.77	0.86	0.84	0.77	0.44	0.71	0.77	0.79	1.00	1.00	1.00
5	12	17	0.80	0.23	0.65	0.31	0.79	0.66	0.82	0.77	0.81	0.79	0.65	0.47	0.80	0.53	0.60	0.59	0.43	0.94	0.25	0.86	0.58	0.23	0.11	0.35	0.59	0.56	0.58	0.85	0.71	0.73	0.76	0.81	0.79	0.59	0.63	0.58	0.67	0.64	0.58	0.46	0.51	0.61	0.50	1.00	1.00	1.00
5	12	18	0.88	0.14	0.69	0.34	0.80	0.79	0.84	0.81	0.89	0.87	0.59	0.44	0.88	0.50	0.65	0.64	0.41	0.91	0.43	0.80	0.57	0.14	0.05	0.10	0.32	0.30	0.32	0.62	0.47	0.50	0.50	0.49	0.48	0.28	0.38	0.34	0.36	0.35	0.34	0.28	0.35	0.25	0.12	1.00	1.00	1.00
5	12	19	0.85	0.21	0.77	0.43	0.80	0.89	0.88	0.85	0.86	0.84	0.56	0.47	0.85	0.52	0.64	0.62	0.37	0.79	0.62	0.71	0.57	0.21	0.11	0.00	0.08	0.07	0.08	0.19	0.24	0.23	0.17	0.17	0.13	0.05	0.06	0.05	0.04	0.04	0.05	0.06	0.08	0.01	0.00	1.00	1.00	1.00
5	12	20	0.78	0.35	0.78	0.52	0.84	0.95	0.91	0.83	0.80	0.78	0.62	0.65	0.79	0.69	0.73	0.72	0.56	0.66	0.61	0.67	0.48	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	21	0.73	0.51	0.75	0.48	0.86	0.93	0.88	0.82	0.75	0.73	0.63	0.78	0.74	0.81	0.68	0.67	0.67	0.66	0.81	0.60	0.32	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	22	0.69	0.52	0.81	0.36	0.86	0.93	0.86	0.83	0.72	0.69	0.59	0.73	0.70	0.75	0.62	0.61	0.70	0.74	0.86	0.54	0.20	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	23	0.74	0.46	0.80	0.31	0.82	0.91	0.84	0.82	0.77	0.74	0.54	0.74	0.75	0.77	0.57	0.55	0.66	0.74	0.71	0.40	0.30	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	12	24	0.65	0.41	0.82	0.28	0.76	0.85	0.83	0.78	0.68	0.64	0.50	0.73	0.65	0.76	0.53	0.51	0.56	0.70	0.59	0.37	0.36	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	1	0.55	0.33	0.72	0.22	0.68	0.89	0.81	0.75	0.59	0.55	0.47	0.77	0.56	0.80	0.54	0.53	0.51	0.65	0.63	0.37	0.27	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	2	0.51	0.26	0.71	0.20	0.59	0.89	0.80	0.72	0.55	0.50	0.44	0.73	0.51	0.76	0.55	0.54	0.47	0.59	0.63	0.34	0.17	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	3	0.52	0.21	0.75	0.17	0.51	0.78	0.78	0.69	0.56	0.51	0.40	0.67	0.53	0.71	0.50	0.48	0.57	0.50	0.58	0.33	0.13	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	4	0.50	0.13	0.75	0.16	0.41	0.74	0.76	0.65	0.54	0.49	0.29	0.58	0.51	0.63	0.45	0.43	0.60	0.46	0.56	0.30	0.16	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	5	0.50	0.12	0.74	0.16	0.24	0.57	0.73	0.61	0.54	0.50	0.20	0.53	0.51	0.58	0.49	0.47	0.56	0.48	0.56	0.30	0.22	0.12	0.03	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.05	0.03	0.03	0.13	1.00	1.00	1.00
5	13	6	0.52	0.10	0.74	0.20	0.09	0.46	0.69	0.54	0.56	0.51	0.12	0.49	0.52	0.54	0.44	0.42	0.49	0.45	0.49	0.27	0.21	0.10	0.01	0.00	0.13	0.38	0.12	0.20	0.06	0.09	0.19	0.05	0.21	0.30	0.28	0.30	0.25	0.17	0.30	0.39	0.40	0.38	0.62	1.00	1.00	1.00
5	13	7	0.39	0.04	0.71	0.19	0.01	0.22	0.62	0.42	0.43	0.38	0.05	0.39	0.40	0.46	0.31	0.29	0.46	0.37	0.43	0.23	0.08	0.04	0.00	0.05	0.37	0.64	0.37	0.61	0.46	0.49	0.56	0.36	0.60	0.58	0.64	0.62	0.56	0.51	0.61	0.62	0.66	0.66	0.86	1.00	1.00	1.00
5	13	8	0.32	0.05	0.74	0.18	0.00	0.12	0.53	0.29	0.37	0.31	0.04	0.24	0.33	0.31	0.24	0.21	0.39	0.33	0.44	0.21	0.13	0.05	0.00	0.28	0.61	0.83	0.60	0.86	0.74	0.74	0.79	0.64	0.86	0.79	0.86	0.81	0.69	0.75	0.80	0.73	0.83	0.83	1.00	1.00	1.00	1.00
5	13	9	0.27	0.06	0.74	0.26	0.00	0.13	0.47	0.19	0.32	0.26	0.06	0.12	0.28	0.20	0.21	0.19	0.36	0.41	0.52	0.29	0.25	0.06	0.00	0.52	0.79	0.92	0.78	0.98	0.88	0.87	0.90	0.91	0.99	0.96	0.93	0.92	0.89	0.89	0.91	0.73	0.91	0.91	1.00	1.00	1.00	1.00
5	13	10	0.25	0.07	0.69	0.28	0.00	0.16	0.43	0.15	0.30	0.24	0.09	0.02	0.26	0.09	0.19	0.16	0.36	0.56	0.48	0.38	0.39	0.07	0.00	0.69	0.89	0.97	0.87	1.00	0.94	0.94	0.97	1.00	1.00	1.00	0.82	0.93	0.99	1.00	0.93	0.81	0.94	0.94	1.00	1.00	1.00	1.00
5	13	11	0.20	0.08	0.58	0.27	0.00	0.21	0.40	0.15	0.26	0.19	0.11	0.00	0.21	0.05	0.15	0.13	0.38	0.73	0.39	0.46	0.56	0.08	0.00	0.79	0.93	0.96	0.91	1.00	0.95	0.95	0.98	1.00	1.00	1.00	0.79	0.93	0.96	1.00	0.92	0.81	0.90	0.91	0.99	1.00	1.00	1.00
5	13	12	0.26	0.09	0.52	0.23	0.00	0.20	0.40	0.20	0.31	0.25	0.20	0.01	0.27	0.07	0.12	0.09	0.40	0.77	0.32	0.49	0.69	0.09	0.01	0.86	0.96	0.98	0.94	1.00	0.94	0.94	0.97	1.00	1.00	1.00	0.98	0.96	0.97	1.00	0.95	0.88	0.93	0.87	0.99	1.00	1.00	1.00
5	13	13	0.47	0.10	0.44	0.18	0.00	0.22	0.42	0.33	0.52	0.46	0.32	0.06	0.48	0.12	0.10	0.08	0.43	0.79	0.46	0.52	0.78	0.10	0.01	0.86	0.95	0.97	0.93	1.00	0.91	0.91	0.96	1.00	1.00	1.00	0.98	0.96	0.92	0.99	0.96	0.85	0.91	0.84	1.00	1.00	1.00	1.00
5	13	14	0.61	0.10	0.35	0.16	0.00	0.26	0.45	0.53	0.65	0.61	0.43	0.17	0.62	0.24	0.11	0.09	0.45	0.83	0.62	0.54	0.82	0.10	0.02	0.82	0.93	0.97	0.91	1.00	0.90	0.91	0.95	1.00	1.00	1.00	0.97	0.94	0.94	0.92	0.94	0.84	0.91	0.88	1.00	1.00	1.00	1.00
5	13	15	0.67	0.12	0.30	0.14	0.06	0.35	0.50	0.71	0.70	0.66	0.50	0.32	0.67	0.39	0.12	0.09	0.48	0.85	0.52	0.53	0.89	0.12	0.03	0.72	0.87	0.89	0.86	1.00	0.89	0.89	0.94	1.00	1.00	0.98	0.88	0.90	0.86	0.92	0.89	0.73	0.86	0.80	0.96	1.00	1.00	1.00
5	13	16	0.68	0.15	0.33	0.14	0.32	0.36	0.54	0.77	0.71	0.68	0.55	0.41	0.69	0.47	0.12	0.10	0.52	0.87	0.47	0.50	0.92	0.15	0.06	0.57	0.77	0.78	0.75	0.96	0.84	0.84	0.88	0.93	0.95	0.92	0.87	0.82	0.66	0.79	0.81	0.66	0.79	0.64	0.82	1.00	1.00	1.00
5	13	17	0.69	0.24	0.38	0.16	0.56	0.37	0.60	0.81	0.72	0.69	0.56	0.41	0.70	0.47	0.13	0.11	0.58	0.84	0.49	0.46	0.91	0.24	0.13	0.35	0.60	0.59	0.59	0.85	0.73	0.70	0.75	0.76	0.78	0.77	0.76	0.63	0.60	0.59	0.63	0.50	0.70	0.40	0.56	1.00	1.00	1.00
5	13	18	0.69	0.34	0.44	0.19	0.66	0.33	0.62	0.84	0.72	0.69	0.52	0.39	0.70	0.45	0.16	0.14	0.61	0.77	0.64	0.40	0.64	0.34	0.23	0.10	0.34	0.32	0.33	0.63	0.47	0.47	0.49	0.42	0.46	0.49	0.46	0.41	0.36	0.37	0.40	0.38	0.48	0.18	0.12	1.00	1.00	1.00
5	13	19	0.71	0.45	0.50	0.33	0.74	0.46	0.64	0.84	0.73	0.71	0.49	0.38	0.71	0.44	0.18	0.16	0.58	0.77	0.67	0.43	0.43	0.45	0.35	0.00	0.08	0.09	0.08	0.12	0.20	0.23	0.17	0.14	0.12	0.12	0.08	0.07	0.04	0.04	0.07	0.10	0.15	0.00	0.00	1.00	1.00	1.00
5	13	20	0.69	0.49	0.57	0.49	0.80	0.87	0.64	0.80	0.72	0.69	0.45	0.49	0.70	0.54	0.20	0.17	0.61	0.73	0.58	0.46	0.51	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	13	21	0.58	0.52	0.46	0.54	0.80	0.91	0.61	0.76	0.61	0.57	0.46	0.63	0.58	0.68	0.22	0.20	0.76	0.60	0.59	0.42	0.50	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	22	0.43	0.55	0.31	0.54	0.80	0.85	0.56	0.72	0.47	0.42	0.39	0.69	0.43	0.73	0.22	0.20	0.86	0.47	0.51	0.27	0.45	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	23	0.40	0.57	0.18	0.53	0.79	0.64	0.49	0.64	0.44	0.39	0.36	0.65	0.41	0.69	0.20	0.17	0.88	0.47	0.65	0.19	0.39	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	13	24	0.52	0.65	0.06	0.50	0.78	0.48	0.44	0.61	0.56	0.52	0.32	0.66	0.53	0.70	0.17	0.15	0.86	0.33	0.57	0.12	0.35	0.66	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	1	0.58	0.45	0.01	0.54	0.77	0.37	0.41	0.57	0.62	0.58	0.26	0.68	0.59	0.72	0.11	0.09	0.80	0.32	0.59	0.07	0.36	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	2	0.58	0.27	0.00	0.55	0.75	0.27	0.35	0.55	0.61	0.57	0.23	0.60	0.58	0.64	0.08	0.06	0.70	0.34	0.59	0.05	0.32	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	3	0.51	0.24	0.00	0.57	0.73	0.25	0.34	0.49	0.55	0.50	0.20	0.54	0.52	0.59	0.06	0.05	0.61	0.28	0.48	0.04	0.27	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	4	0.34	0.24	0.00	0.57	0.71	0.23	0.34	0.46	0.39	0.33	0.20	0.48	0.35	0.53	0.06	0.04	0.55	0.28	0.38	0.07	0.30	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	5	0.27	0.23	0.00	0.55	0.69	0.14	0.35	0.46	0.32	0.26	0.13	0.43	0.28	0.49	0.06	0.05	0.55	0.26	0.32	0.09	0.27	0.23	0.12	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.03	0.03	0.07	1.00	1.00	1.00
5	14	6	0.23	0.24	0.00	0.57	0.61	0.08	0.33	0.40	0.28	0.22	0.07	0.30	0.24	0.37	0.07	0.05	0.47	0.24	0.31	0.12	0.18	0.24	0.13	0.00	0.13	0.36	0.13	0.18	0.08	0.11	0.17	0.06	0.18	0.28	0.35	0.28	0.25	0.23	0.27	0.45	0.38	0.38	0.45	1.00	1.00	1.00
5	14	7	0.19	0.26	0.00	0.51	0.38	0.02	0.28	0.21	0.25	0.18	0.03	0.07	0.20	0.14	0.06	0.05	0.26	0.16	0.31	0.11	0.09	0.26	0.15	0.05	0.38	0.61	0.37	0.60	0.47	0.48	0.54	0.37	0.57	0.63	0.66	0.61	0.61	0.55	0.61	0.69	0.66	0.68	0.61	1.00	1.00	1.00
5	14	8	0.16	0.26	0.00	0.35	0.12	0.00	0.21	0.06	0.22	0.16	0.00	0.00	0.17	0.03	0.06	0.05	0.19	0.10	0.30	0.07	0.24	0.26	0.14	0.28	0.61	0.77	0.60	0.84	0.73	0.72	0.76	0.66	0.80	0.84	0.83	0.82	0.82	0.77	0.81	0.81	0.83	0.84	0.66	1.00	1.00	1.00
5	14	9	0.11	0.18	0.00	0.32	0.02	0.00	0.19	0.04	0.16	0.10	0.00	0.00	0.11	0.01	0.08	0.06	0.13	0.09	0.21	0.02	0.42	0.18	0.08	0.52	0.78	0.91	0.77	0.96	0.87	0.85	0.87	0.82	0.97	0.96	0.95	0.92	0.95	0.88	0.91	0.92	0.91	0.94	0.82	1.00	1.00	1.00
5	14	10	0.06	0.16	0.00	0.30	0.00	0.02	0.17	0.07	0.12	0.05	0.00	0.00	0.07	0.01	0.10	0.08	0.08	0.09	0.21	0.00	0.52	0.16	0.06	0.69	0.89	0.96	0.87	0.99	0.92	0.91	0.95	0.98	1.00	1.00	0.99	0.98	1.00	0.97	0.97	0.95	0.93	0.98	0.87	1.00	1.00	1.00
5	14	11	0.07	0.15	0.00	0.25	0.00	0.06	0.14	0.12	0.12	0.06	0.00	0.00	0.07	0.00	0.11	0.09	0.06	0.10	0.27	0.00	0.55	0.15	0.05	0.80	0.94	0.98	0.92	1.00	0.94	0.93	0.96	1.00	1.00	1.00	0.99	0.99	0.98	0.99	0.98	0.95	0.95	0.97	0.85	1.00	1.00	1.00
5	14	12	0.09	0.14	0.00	0.21	0.00	0.11	0.14	0.10	0.14	0.08	0.00	0.00	0.10	0.01	0.13	0.11	0.06	0.11	0.38	0.00	0.55	0.14	0.04	0.85	0.95	0.94	0.93	1.00	0.93	0.91	0.95	1.00	1.00	1.00	0.99	0.97	0.97	0.97	0.97	0.93	0.94	0.96	0.67	1.00	1.00	1.00
5	14	13	0.10	0.13	0.01	0.18	0.00	0.15	0.15	0.07	0.16	0.09	0.00	0.00	0.11	0.02	0.14	0.12	0.04	0.13	0.35	0.00	0.50	0.13	0.04	0.84	0.93	0.90	0.91	1.00	0.90	0.89	0.93	1.00	1.00	1.00	0.97	0.93	0.93	0.88	0.93	0.92	0.92	0.93	0.55	1.00	1.00	1.00
5	14	14	0.10	0.21	0.03	0.13	0.00	0.18	0.14	0.04	0.16	0.09	0.00	0.00	0.11	0.04	0.15	0.12	0.03	0.14	0.31	0.00	0.44	0.21	0.11	0.80	0.90	0.91	0.89	0.99	0.89	0.88	0.93	1.00	1.00	1.00	0.97	0.94	0.84	0.87	0.93	0.92	0.91	0.93	0.59	1.00	1.00	1.00
5	14	15	0.11	0.41	0.04	0.10	0.01	0.16	0.16	0.05	0.17	0.10	0.00	0.00	0.12	0.06	0.15	0.13	0.03	0.15	0.30	0.00	0.43	0.41	0.31	0.70	0.85	0.83	0.83	0.98	0.88	0.87	0.90	0.99	1.00	0.98	0.95	0.87	0.74	0.84	0.86	0.90	0.91	0.88	0.33	1.00	1.00	1.00
5	14	16	0.15	0.66	0.06	0.08	0.10	0.18	0.19	0.09	0.20	0.14	0.07	0.00	0.16	0.06	0.16	0.14	0.03	0.21	0.35	0.00	0.38	0.66	0.58	0.56	0.76	0.74	0.75	0.94	0.83	0.82	0.86	0.91	0.93	0.91	0.90	0.74	0.78	0.73	0.73	0.86	0.86	0.74	0.21	1.00	1.00	1.00
5	14	17	0.16	0.67	0.08	0.08	0.28	0.28	0.26	0.19	0.22	0.15	0.23	0.05	0.17	0.11	0.17	0.15	0.03	0.27	0.34	0.00	0.33	0.67	0.60	0.34	0.58	0.58	0.57	0.84	0.70	0.69	0.71	0.73	0.77	0.78	0.75	0.59	0.58	0.57	0.59	0.75	0.73	0.52	0.10	1.00	1.00	1.00
5	14	18	0.20	0.63	0.08	0.07	0.53	0.26	0.31	0.37	0.26	0.19	0.35	0.26	0.21	0.33	0.19	0.16	0.03	0.36	0.33	0.01	0.32	0.64	0.55	0.10	0.31	0.35	0.31	0.61	0.45	0.41	0.48	0.37	0.48	0.45	0.42	0.38	0.24	0.35	0.38	0.47	0.50	0.26	0.02	1.00	1.00	1.00
5	14	19	0.40	0.39	0.12	0.15	0.77	0.47	0.40	0.56	0.45	0.39	0.34	0.35	0.41	0.41	0.22	0.19	0.04	0.52	0.19	0.06	0.46	0.39	0.28	0.00	0.08	0.10	0.08	0.13	0.24	0.20	0.17	0.12	0.14	0.11	0.07	0.07	0.03	0.04	0.07	0.13	0.16	0.01	0.00	1.00	1.00	1.00
5	14	20	0.49	0.16	0.25	0.26	0.88	0.81	0.44	0.53	0.53	0.49	0.24	0.35	0.50	0.42	0.28	0.26	0.05	0.67	0.09	0.06	0.57	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	14	21	0.66	0.36	0.30	0.27	0.89	0.81	0.40	0.43	0.69	0.65	0.14	0.40	0.66	0.46	0.23	0.21	0.03	0.56	0.10	0.03	0.52	0.36	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	22	0.66	0.25	0.22	0.24	0.90	0.76	0.30	0.38	0.69	0.65	0.11	0.44	0.66	0.50	0.20	0.18	0.02	0.42	0.12	0.02	0.59	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	23	0.53	0.20	0.15	0.22	0.90	0.66	0.23	0.35	0.57	0.53	0.11	0.46	0.54	0.52	0.19	0.17	0.03	0.30	0.15	0.01	0.72	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	14	24	0.39	0.12	0.14	0.20	0.90	0.55	0.22	0.30	0.44	0.38	0.15	0.40	0.40	0.46	0.19	0.17	0.03	0.19	0.18	0.00	0.73	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	1	0.26	0.13	0.23	0.17	0.89	0.49	0.19	0.25	0.32	0.25	0.16	0.35	0.27	0.41	0.18	0.16	0.04	0.13	0.19	0.02	0.55	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	2	0.19	0.07	0.31	0.18	0.88	0.61	0.16	0.22	0.25	0.18	0.12	0.32	0.20	0.39	0.17	0.15	0.07	0.12	0.16	0.05	0.34	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	3	0.15	0.12	0.28	0.18	0.87	0.68	0.13	0.16	0.21	0.14	0.09	0.29	0.16	0.36	0.15	0.13	0.09	0.12	0.11	0.04	0.19	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	4	0.12	0.32	0.23	0.17	0.86	0.37	0.10	0.13	0.18	0.11	0.05	0.20	0.13	0.27	0.14	0.12	0.11	0.11	0.07	0.01	0.10	0.32	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	5	0.10	0.39	0.22	0.17	0.85	0.44	0.07	0.10	0.16	0.09	0.03	0.07	0.11	0.14	0.14	0.12	0.11	0.08	0.06	0.02	0.08	0.39	0.28	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.04	0.03	0.03	0.12	1.00	1.00	1.00
5	15	6	0.02	0.27	0.17	0.16	0.83	0.44	0.04	0.06	0.07	0.01	0.01	0.00	0.03	0.03	0.15	0.13	0.09	0.06	0.03	0.02	0.10	0.27	0.17	0.00	0.14	0.34	0.13	0.18	0.03	0.05	0.18	0.05	0.21	0.31	0.38	0.33	0.30	0.23	0.33	0.41	0.39	0.38	0.41	1.00	1.00	1.00
5	15	7	0.00	0.33	0.05	0.11	0.78	0.16	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.13	0.11	0.07	0.04	0.02	0.00	0.02	0.33	0.22	0.05	0.36	0.59	0.36	0.54	0.35	0.44	0.54	0.22	0.61	0.65	0.68	0.64	0.64	0.53	0.63	0.69	0.66	0.66	0.55	1.00	1.00	1.00
5	15	8	0.00	0.41	0.02	0.06	0.74	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.05	0.02	0.01	0.00	0.01	0.41	0.31	0.27	0.58	0.76	0.57	0.77	0.59	0.71	0.77	0.36	0.85	0.85	0.85	0.83	0.84	0.70	0.82	0.84	0.82	0.82	0.60	1.00	1.00	1.00
5	15	9	0.00	0.51	0.04	0.06	0.74	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.04	0.03	0.01	0.00	0.01	0.51	0.41	0.48	0.73	0.87	0.72	0.88	0.71	0.84	0.88	0.45	0.99	0.96	0.93	0.94	0.93	0.81	0.93	0.91	0.89	0.92	0.72	1.00	1.00	1.00
5	15	10	0.00	0.49	0.05	0.06	0.73	0.06	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.09	0.07	0.02	0.03	0.01	0.00	0.03	0.49	0.39	0.65	0.83	0.90	0.81	0.93	0.77	0.91	0.95	0.62	1.00	1.00	0.98	0.99	0.91	0.87	0.98	0.94	0.92	0.97	0.62	1.00	1.00	1.00
5	15	11	0.00	0.44	0.06	0.05	0.72	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.08	0.06	0.01	0.02	0.01	0.00	0.02	0.44	0.34	0.75	0.88	0.91	0.87	0.95	0.80	0.92	0.96	0.69	1.00	1.00	0.99	0.94	1.00	0.97	0.93	0.93	0.93	0.98	0.66	1.00	1.00	1.00
5	15	12	0.00	0.35	0.06	0.05	0.72	0.14	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.08	0.06	0.00	0.01	0.01	0.01	0.01	0.35	0.25	0.81	0.91	0.93	0.89	0.98	0.81	0.92	0.95	0.78	1.00	0.95	0.98	0.93	1.00	0.97	0.92	0.92	0.92	0.96	0.65	1.00	1.00	1.00
5	15	13	0.00	0.35	0.05	0.06	0.74	0.18	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.04	0.07	0.05	0.01	0.01	0.01	0.03	0.02	0.35	0.25	0.84	0.92	0.91	0.91	0.97	0.82	0.89	0.94	0.93	1.00	1.00	0.97	0.95	0.97	0.98	0.94	0.91	0.91	0.94	0.61	1.00	1.00	1.00
5	15	14	0.00	0.35	0.03	0.08	0.78	0.24	0.08	0.01	0.04	0.00	0.02	0.00	0.00	0.05	0.07	0.05	0.02	0.01	0.01	0.05	0.03	0.35	0.24	0.80	0.91	0.86	0.89	0.96	0.82	0.89	0.93	0.96	1.00	1.00	0.95	0.95	0.97	0.96	0.94	0.91	0.91	0.93	0.41	1.00	1.00	1.00
5	15	15	0.01	0.41	0.01	0.09	0.83	0.34	0.12	0.09	0.06	0.00	0.06	0.01	0.02	0.07	0.07	0.05	0.02	0.02	0.02	0.08	0.04	0.41	0.31	0.69	0.84	0.80	0.82	0.89	0.80	0.87	0.91	0.89	1.00	0.96	0.87	0.82	0.95	0.91	0.81	0.90	0.87	0.88	0.38	1.00	1.00	1.00
5	15	16	0.03	0.46	0.00	0.12	0.86	0.42	0.19	0.24	0.08	0.02	0.18	0.08	0.04	0.15	0.08	0.06	0.03	0.02	0.03	0.11	0.05	0.46	0.36	0.52	0.71	0.68	0.70	0.72	0.76	0.83	0.87	0.75	0.93	0.78	0.58	0.84	0.87	0.84	0.83	0.84	0.82	0.83	0.21	1.00	1.00	1.00
5	15	17	0.17	0.47	0.00	0.19	0.84	0.59	0.30	0.43	0.23	0.16	0.34	0.31	0.18	0.38	0.09	0.07	0.05	0.02	0.04	0.12	0.07	0.47	0.37	0.33	0.56	0.54	0.55	0.65	0.66	0.73	0.76	0.63	0.79	0.65	0.48	0.66	0.69	0.67	0.66	0.72	0.71	0.66	0.11	1.00	1.00	1.00
5	15	18	0.30	0.42	0.00	0.27	0.86	0.69	0.39	0.56	0.35	0.29	0.37	0.39	0.31	0.45	0.09	0.07	0.14	0.02	0.05	0.15	0.14	0.42	0.33	0.09	0.30	0.33	0.30	0.40	0.39	0.46	0.49	0.33	0.50	0.43	0.34	0.39	0.40	0.37	0.39	0.46	0.48	0.31	0.02	1.00	1.00	1.00
5	15	19	0.38	0.52	0.01	0.43	0.89	0.86	0.47	0.62	0.42	0.37	0.35	0.40	0.39	0.46	0.11	0.09	0.27	0.02	0.11	0.24	0.37	0.52	0.41	0.00	0.07	0.09	0.07	0.07	0.15	0.24	0.18	0.11	0.16	0.10	0.04	0.06	0.05	0.04	0.06	0.13	0.15	0.01	0.00	1.00	1.00	1.00
5	15	20	0.51	0.40	0.08	0.58	0.90	0.92	0.50	0.68	0.55	0.50	0.27	0.41	0.52	0.47	0.13	0.11	0.32	0.02	0.21	0.25	0.43	0.39	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	15	21	0.50	0.49	0.19	0.48	0.89	0.87	0.46	0.69	0.54	0.49	0.19	0.46	0.50	0.52	0.14	0.12	0.32	0.03	0.25	0.19	0.37	0.50	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	22	0.46	0.35	0.31	0.42	0.88	0.83	0.38	0.70	0.50	0.45	0.13	0.50	0.46	0.56	0.17	0.15	0.30	0.03	0.23	0.20	0.25	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	23	0.46	0.28	0.50	0.41	0.86	0.76	0.33	0.72	0.51	0.45	0.11	0.43	0.47	0.48	0.17	0.14	0.25	0.04	0.20	0.17	0.20	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	15	24	0.46	0.27	0.62	0.37	0.85	0.68	0.29	0.68	0.50	0.45	0.09	0.38	0.47	0.44	0.13	0.11	0.14	0.06	0.13	0.11	0.24	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
5	16	1	0.43	0.21	0.64	0.26	0.84	0.64	0.26	0.59	0.48	0.42	0.05	0.36
5	16	2	0.33	0.17	0.61	0.22	0.83	0.51	0.22	0.54	0.38	0.32	0.03	0.30
5	16	3	0.18	0.19	0.60	0.15	0.81	0.52	0.23	0.44	0.24	0.17	0.02	0.10
5	16	4	0.10	0.15	0.60	0.11	0.81	0.42	0.22	0.36	0.16	0.09	0.02	0.00
5	16	5	0.06	0.15	0.62	0.09	0.80	0.56	0.23	0.31	0.12	0.05	0.01	0.00
5	16	6	0.02	0.12	0.58	0.08	0.75	0.57	0.22	0.26	0.07	0.01	0.00	0.00
5	16	7	0.00	0.13	0.50	0.02	0.58	0.17	0.21	0.13	0.00	0.00	0.00	0.00
5	16	8	0.00	0.11	0.45	0.01	0.42	0.05	0.21	0.02	0.00	0.00	0.00	0.00
5	16	9	0.00	0.13	0.44	0.01	0.30	0.08	0.20	0.00	0.00	0.00	0.00	0.00
5	16	10	0.00	0.14	0.44	0.00	0.18	0.08	0.18	0.00	0.01	0.00	0.00	0.00
5	16	11	0.01	0.16	0.46	0.01	0.07	0.06	0.18	0.00	0.06	0.00	0.00	0.00
5	16	12	0.03	0.17	0.44	0.02	0.01	0.05	0.20	0.00	0.09	0.02	0.00	0.00
5	16	13	0.03	0.17	0.44	0.05	0.01	0.08	0.21	0.00	0.09	0.02	0.00	0.00
5	16	14	0.03	0.16	0.47	0.07	0.06	0.11	0.23	0.01	0.09	0.02	0.01	0.00
5	16	15	0.07	0.19	0.52	0.10	0.22	0.15	0.26	0.12	0.12	0.06	0.08	0.00
5	16	16	0.20	0.20	0.56	0.13	0.41	0.19	0.29	0.32	0.26	0.20	0.22	0.02
5	16	17	0.39	0.17	0.59	0.17	0.58	0.36	0.32	0.51	0.44	0.38	0.36	0.17
5	16	18	0.42	0.14	0.60	0.22	0.68	0.50	0.43	0.62	0.47	0.42	0.40	0.33
5	16	19	0.48	0.13	0.59	0.31	0.79	0.79	0.52	0.70	0.52	0.48	0.37	0.36
5	16	20	0.65	0.17	0.57	0.52	0.91	0.94	0.56	0.73	0.68	0.64	0.29	0.37
5	16	21	0.55	0.13	0.54	0.47	0.94	0.96	0.58	0.72	0.59	0.55	0.19	0.40
5	16	22	0.42	0.07	0.51	0.38	0.94	0.97	0.52	0.71	0.46	0.41	0.13	0.45
5	16	23	0.37	0.04	0.50	0.36	0.95	0.96	0.52	0.70	0.42	0.37	0.11	0.41
5	16	24	0.34	0.03	0.53	0.36	0.94	0.94	0.52	0.68	0.39	0.33	0.12	0.32
5	17	1	0.34	0.04	0.57	0.36	0.93	0.96	0.54	0.63	0.39	0.33	0.09	0.26
5	17	2	0.29	0.07	0.58	0.30	0.92	0.93	0.57	0.57	0.35	0.28	0.08	0.16
5	17	3	0.25	0.05	0.56	0.24	0.91	0.84	0.59	0.51	0.31	0.24	0.05	0.07
5	17	4	0.28	0.05	0.61	0.18	0.90	0.85	0.63	0.49	0.33	0.27	0.02	0.00
5	17	5	0.25	0.05	0.65	0.17	0.90	0.88	0.64	0.42	0.31	0.25	0.00	0.00
5	17	6	0.16	0.06	0.59	0.15	0.89	0.75	0.62	0.32	0.22	0.15	0.00	0.00
5	17	7	0.06	0.07	0.41	0.06	0.83	0.23	0.54	0.20	0.12	0.05	0.00	0.00
5	17	8	0.03	0.08	0.29	0.02	0.77	0.06	0.47	0.08	0.08	0.02	0.00	0.00
5	17	9	0.02	0.12	0.29	0.02	0.69	0.05	0.45	0.01	0.07	0.01	0.00	0.00
5	17	10	0.03	0.19	0.31	0.03	0.58	0.05	0.42	0.00	0.09	0.02	0.00	0.00
5	17	11	0.05	0.26	0.34	0.05	0.48	0.09	0.39	0.00	0.10	0.04	0.00	0.00
5	17	12	0.04	0.28	0.40	0.08	0.42	0.13	0.36	0.00	0.10	0.03	0.00	0.00
5	17	13	0.05	0.29	0.50	0.12	0.40	0.14	0.37	0.01	0.10	0.04	0.01	0.00
5	17	14	0.09	0.31	0.57	0.15	0.44	0.16	0.47	0.08	0.14	0.08	0.04	0.00
5	17	15	0.22	0.32	0.62	0.17	0.55	0.24	0.55	0.24	0.28	0.21	0.11	0.02
5	17	16	0.34	0.30	0.67	0.19	0.68	0.32	0.62	0.42	0.39	0.33	0.28	0.04
5	17	17	0.60	0.27	0.66	0.24	0.78	0.37	0.65	0.54	0.64	0.59	0.45	0.19
5	17	18	0.61	0.24	0.65	0.29	0.83	0.65	0.69	0.62	0.64	0.61	0.48	0.38
5	17	19	0.63	0.20	0.63	0.37	0.85	0.84	0.75	0.71	0.66	0.63	0.46	0.45
5	17	20	0.61	0.15	0.67	0.51	0.89	0.96	0.80	0.78	0.64	0.60	0.45	0.56
5	17	21	0.56	0.13	0.68	0.53	0.89	0.93	0.81	0.75	0.60	0.56	0.42	0.58
5	17	22	0.58	0.14	0.65	0.43	0.88	0.87	0.80	0.72	0.62	0.58	0.37	0.49
5	17	23	0.59	0.13	0.58	0.37	0.87	0.87	0.79	0.72	0.62	0.58	0.34	0.45
5	17	24	0.62	0.10	0.60	0.34	0.86	0.85	0.79	0.71	0.66	0.62	0.28	0.39
5	18	1	0.59	0.06	0.67	0.29	0.85	0.71	0.74	0.70	0.62	0.58	0.24	0.31
5	18	2	0.44	0.04	0.66	0.22	0.84	0.55	0.68	0.66	0.48	0.43	0.15	0.17
5	18	3	0.28	0.03	0.58	0.18	0.84	0.41	0.61	0.58	0.33	0.27	0.07	0.13
5	18	4	0.24	0.02	0.56	0.12	0.85	0.54	0.56	0.49	0.30	0.23	0.04	0.05
5	18	5	0.24	0.04	0.52	0.08	0.84	0.45	0.51	0.44	0.29	0.23	0.02	0.00
5	18	6	0.17	0.04	0.34	0.05	0.83	0.41	0.48	0.35	0.22	0.16	0.00	0.00
5	18	7	0.09	0.04	0.11	0.02	0.78	0.21	0.45	0.20	0.15	0.08	0.00	0.00
5	18	8	0.05	0.04	0.04	0.01	0.74	0.09	0.41	0.08	0.10	0.04	0.00	0.00
5	18	9	0.00	0.04	0.00	0.01	0.70	0.06	0.41	0.01	0.06	0.00	0.00	0.00
5	18	10	0.00	0.05	0.00	0.02	0.64	0.07	0.46	0.00	0.05	0.00	0.00	0.00
5	18	11	0.03	0.05	0.00	0.04	0.58	0.13	0.53	0.00	0.08	0.02	0.00	0.00
5	18	12	0.07	0.09	0.00	0.08	0.57	0.15	0.59	0.00	0.12	0.06	0.00	0.00
5	18	13	0.10	0.15	0.00	0.13	0.62	0.17	0.63	0.04	0.16	0.09	0.04	0.00
5	18	14	0.10	0.12	0.05	0.17	0.71	0.23	0.70	0.16	0.15	0.09	0.12	0.02
5	18	15	0.23	0.23	0.15	0.22	0.81	0.33	0.75	0.33	0.29	0.23	0.30	0.04
5	18	16	0.36	0.39	0.33	0.26	0.88	0.39	0.78	0.49	0.41	0.35	0.48	0.06
5	18	17	0.41	0.32	0.54	0.35	0.92	0.65	0.81	0.63	0.46	0.41	0.55	0.24
5	18	18	0.47	0.41	0.70	0.44	0.91	0.86	0.83	0.76	0.51	0.46	0.54	0.40
5	18	19	0.64	0.36	0.74	0.49	0.90	0.94	0.85	0.86	0.67	0.63	0.49	0.45
5	18	20	0.62	0.37	0.71	0.58	0.91	0.93	0.86	0.88	0.65	0.61	0.42	0.56
5	18	21	0.60	0.29	0.66	0.53	0.92	0.89	0.85	0.86	0.63	0.59	0.33	0.57
5	18	22	0.62	0.29	0.63	0.45	0.92	0.88	0.86	0.87	0.65	0.61	0.34	0.48
5	18	23	0.62	0.24	0.61	0.39	0.92	0.78	0.84	0.88	0.65	0.61	0.32	0.42
5	18	24	0.61	0.21	0.60	0.38	0.91	0.60	0.81	0.86	0.64	0.60	0.23	0.36
5	19	1	0.56	0.14	0.58	0.34	0.88	0.52	0.79	0.84	0.60	0.55	0.16	0.34
5	19	2	0.50	0.08	0.58	0.29	0.86	0.43	0.77	0.83	0.54	0.50	0.09	0.27
5	19	3	0.46	0.09	0.55	0.25	0.85	0.44	0.76	0.80	0.50	0.45	0.03	0.14
5	19	4	0.36	0.11	0.54	0.21	0.85	0.48	0.76	0.78	0.41	0.35	0.01	0.04
5	19	5	0.36	0.11	0.51	0.14	0.84	0.29	0.76	0.75	0.42	0.36	0.00	0.00
5	19	6	0.29	0.07	0.41	0.09	0.81	0.28	0.76	0.69	0.34	0.28	0.00	0.00
5	19	7	0.18	0.04	0.40	0.03	0.72	0.12	0.75	0.54	0.24	0.17	0.00	0.00
5	19	8	0.15	0.03	0.43	0.03	0.63	0.05	0.71	0.40	0.21	0.14	0.00	0.00
5	19	9	0.10	0.03	0.44	0.03	0.54	0.08	0.70	0.28	0.16	0.09	0.00	0.00
5	19	10	0.08	0.04	0.50	0.04	0.43	0.13	0.70	0.18	0.14	0.07	0.00	0.00
5	19	11	0.12	0.06	0.44	0.06	0.30	0.21	0.73	0.10	0.18	0.11	0.00	0.00
5	19	12	0.14	0.11	0.40	0.07	0.18	0.31	0.77	0.06	0.20	0.13	0.00	0.00
5	19	13	0.24	0.26	0.42	0.09	0.14	0.33	0.78	0.10	0.30	0.23	0.00	0.00
5	19	14	0.32	0.43	0.48	0.11	0.19	0.35	0.80	0.23	0.38	0.31	0.01	0.00
5	19	15	0.36	0.41	0.56	0.14	0.35	0.44	0.79	0.41	0.41	0.35	0.04	0.00
5	19	16	0.38	0.50	0.74	0.19	0.57	0.49	0.79	0.59	0.43	0.37	0.12	0.01
5	19	17	0.42	0.37	0.80	0.29	0.72	0.61	0.80	0.69	0.47	0.41	0.27	0.03
5	19	18	0.49	0.27	0.85	0.36	0.78	0.74	0.82	0.78	0.53	0.49	0.35	0.17
5	19	19	0.58	0.25	0.80	0.41	0.84	0.89	0.84	0.83	0.62	0.58	0.35	0.42
5	19	20	0.73	0.18	0.67	0.48	0.89	0.97	0.85	0.85	0.76	0.73	0.31	0.49
5	19	21	0.69	0.19	0.60	0.45	0.90	0.96	0.86	0.84	0.71	0.68	0.34	0.36
5	19	22	0.58	0.19	0.50	0.42	0.89	0.96	0.85	0.83	0.61	0.57	0.32	0.17
5	19	23	0.51	0.15	0.48	0.37	0.90	0.91	0.82	0.81	0.55	0.51	0.27	0.11
5	19	24	0.47	0.11	0.49	0.34	0.90	0.82	0.80	0.79	0.51	0.46	0.26	0.10
5	20	1	0.51	0.13	0.46	0.24	0.89	0.78	0.78	0.77	0.55	0.50	0.20	0.06
5	20	2	0.47	0.09	0.43	0.15	0.87	0.70	0.77	0.74	0.51	0.46	0.15	0.03
5	20	3	0.46	0.11	0.39	0.14	0.86	0.58	0.77	0.72	0.50	0.45	0.09	0.00
5	20	4	0.44	0.14	0.31	0.14	0.85	0.69	0.75	0.73	0.48	0.43	0.03	0.00
5	20	5	0.29	0.18	0.26	0.11	0.83	0.52	0.76	0.70	0.34	0.28	0.00	0.00
5	20	6	0.28	0.17	0.21	0.11	0.75	0.59	0.76	0.58	0.33	0.27	0.00	0.00
5	20	7	0.26	0.16	0.11	0.05	0.58	0.24	0.71	0.47	0.32	0.25	0.00	0.00
5	20	8	0.26	0.16	0.06	0.05	0.42	0.06	0.62	0.37	0.32	0.25	0.00	0.00
5	20	9	0.32	0.15	0.03	0.08	0.33	0.08	0.56	0.32	0.38	0.31	0.00	0.00
5	20	10	0.29	0.12	0.02	0.12	0.22	0.14	0.53	0.31	0.34	0.28	0.00	0.00
5	20	11	0.32	0.16	0.02	0.18	0.14	0.25	0.53	0.33	0.37	0.31	0.02	0.00
5	20	12	0.46	0.40	0.04	0.26	0.17	0.35	0.55	0.41	0.51	0.46	0.06	0.01
5	20	13	0.66	0.46	0.08	0.33	0.36	0.39	0.60	0.59	0.69	0.66	0.09	0.02
5	20	14	0.73	0.32	0.12	0.39	0.60	0.37	0.67	0.72	0.75	0.72	0.15	0.03
5	20	15	0.75	0.47	0.17	0.46	0.79	0.43	0.73	0.80	0.77	0.75	0.33	0.06
5	20	16	0.80	0.53	0.28	0.52	0.89	0.47	0.77	0.87	0.81	0.79	0.56	0.16
5	20	17	0.89	0.26	0.44	0.58	0.90	0.60	0.79	0.92	0.90	0.89	0.62	0.46
5	20	18	0.92	0.35	0.53	0.62	0.89	0.86	0.81	0.93	0.93	0.92	0.65	0.52
5	20	19	0.86	0.33	0.57	0.64	0.89	0.94	0.83	0.86	0.87	0.86	0.70	0.60
5	20	20	0.85	0.41	0.59	0.62	0.89	0.95	0.85	0.78	0.87	0.85	0.79	0.67
5	20	21	0.79	0.51	0.61	0.61	0.87	0.93	0.85	0.77	0.81	0.79	0.76	0.66
5	20	22	0.71	0.54	0.59	0.55	0.87	0.89	0.85	0.77	0.74	0.71	0.71	0.61
5	20	23	0.65	0.56	0.60	0.51	0.86	0.85	0.86	0.76	0.67	0.64	0.71	0.64
5	20	24	0.70	0.63	0.61	0.49	0.86	0.89	0.87	0.77	0.72	0.69	0.64	0.61
5	21	1	0.73	0.72	0.65	0.47	0.82	0.95	0.87	0.78	0.75	0.72	0.59	0.63
5	21	2	0.74	0.69	0.67	0.51	0.74	0.94	0.84	0.76	0.77	0.74	0.54	0.64
5	21	3	0.73	0.71	0.70	0.55	0.69	0.92	0.81	0.76	0.76	0.73	0.46	0.64
5	21	4	0.72	0.79	0.74	0.66	0.61	0.90	0.79	0.74	0.75	0.72	0.38	0.61
5	21	5	0.63	0.86	0.76	0.69	0.44	0.88	0.77	0.73	0.66	0.62	0.31	0.61
5	21	6	0.60	0.85	0.75	0.67	0.23	0.80	0.74	0.71	0.64	0.60	0.28	0.53
5	21	7	0.61	0.79	0.73	0.62	0.05	0.35	0.70	0.73	0.64	0.60	0.21	0.42
5	21	8	0.68	0.77	0.74	0.62	0.03	0.30	0.59	0.72	0.71	0.68	0.21	0.39
5	21	9	0.73	0.78	0.76	0.69	0.15	0.40	0.45	0.72	0.75	0.72	0.25	0.41
5	21	10	0.67	0.85	0.76	0.71	0.26	0.43	0.33	0.68	0.70	0.66	0.36	0.47
5	21	11	0.64	0.84	0.74	0.70	0.34	0.48	0.30	0.68	0.67	0.64	0.51	0.50
5	21	12	0.66	0.73	0.77	0.69	0.42	0.54	0.26	0.76	0.69	0.66	0.59	0.58
5	21	13	0.70	0.61	0.85	0.68	0.52	0.71	0.21	0.86	0.72	0.69	0.63	0.60
5	21	14	0.67	0.60	0.91	0.67	0.64	0.67	0.21	0.93	0.70	0.66	0.64	0.59
5	21	15	0.64	0.64	0.92	0.67	0.71	0.71	0.23	0.96	0.67	0.64	0.68	0.58

Wind (continued) / Solar

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
5	16	1	0.44	0.42	0.17	0.14	0.12	0.06	0.07	0.06	0.18	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	2	0.34	0.38	0.27	0.25	0.12	0.02	0.03	0.02	0.11	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	3	0.19	0.17	0.32	0.30	0.09	0.02	0.01	0.00	0.07	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	4	0.11	0.04	0.37	0.35	0.05	0.02	0.01	0.00	0.06	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	5	0.07	0.01	0.33	0.31	0.02	0.03	0.00	0.00	0.13	0.15	0.05	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
5	16	6	0.03	0.00	0.29	0.27	0.02	0.03	0.00	0.00	0.13	0.12	0.03	0.01	0.14	0.28	0.14	0.21	0.05	0.12	0.20
5	16	7	0.00	0.00	0.20	0.18	0.00	0.01	0.00	0.00	0.05	0.13	0.04	0.05	0.37	0.49	0.36	0.59	0.39	0.51	0.56
5	16	8	0.00	0.00	0.15	0.13	0.00	0.02	0.00	0.00	0.02	0.11	0.02	0.28	0.60	0.67	0.59	0.83	0.65	0.74	0.78
5	16	9	0.00	0.00	0.11	0.09	0.00	0.02	0.00	0.00	0.01	0.13	0.03	0.51	0.77	0.79	0.75	0.95	0.85	0.86	0.90
5	16	10	0.00	0.01	0.09	0.07	0.00	0.03	0.00	0.03	0.03	0.14	0.04	0.69	0.88	0.83	0.86	1.00	0.94	0.93	0.96
5	16	11	0.02	0.01	0.10	0.08	0.01	0.15	0.00	0.07	0.06	0.16	0.06	0.80	0.94	0.83	0.92	1.00	0.95	0.94	0.97
5	16	12	0.04	0.01	0.11	0.09	0.02	0.24	0.00	0.17	0.15	0.17	0.06	0.85	0.95	0.84	0.93	1.00	0.94	0.92	0.96
5	16	13	0.04	0.04	0.14	0.12	0.04	0.21	0.01	0.22	0.18	0.17	0.07	0.85	0.94	0.81	0.92	0.98	0.91	0.90	0.94
5	16	14	0.04	0.05	0.16	0.14	0.15	0.19	0.01	0.25	0.30	0.16	0.06	0.82	0.93	0.77	0.91	0.97	0.90	0.89	0.94
5	16	15	0.08	0.07	0.19	0.17	0.24	0.22	0.02	0.28	0.35	0.19	0.09	0.73	0.88	0.76	0.87	0.97	0.89	0.88	0.92
5	16	16	0.21	0.08	0.25	0.23	0.35	0.30	0.05	0.29	0.37	0.20	0.09	0.58	0.79	0.70	0.77	0.88	0.85	0.84	0.88
5	16	17	0.40	0.25	0.29	0.27	0.19	0.26	0.11	0.28	0.18	0.17	0.07	0.36	0.62	0.55	0.60	0.79	0.73	0.72	0.76
5	16	18	0.43	0.40	0.28	0.26	0.21	0.25	0.28	0.31	0.16	0.14	0.04	0.10	0.35	0.33	0.34	0.61	0.52	0.48	0.48
5	16	19	0.49	0.42	0.32	0.30	0.10	0.35	0.55	0.36	0.14	0.13	0.03	0.00	0.09	0.09	0.08	0.08	0.17	0.26	0.18
5	16	20	0.65	0.43	0.39	0.37	0.10	0.39	0.65	0.35	0.31	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	21	0.56	0.47	0.38	0.36	0.15	0.41	0.62	0.34	0.32	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	22	0.43	0.51	0.37	0.35	0.15	0.36	0.54	0.29	0.39	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	23	0.38	0.47	0.36	0.34	0.31	0.33	0.49	0.25	0.45	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	16	24	0.35	0.39	0.29	0.27	0.55	0.31	0.46	0.22	0.31	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	1	0.34	0.33	0.23	0.21	0.51	0.33	0.42	0.17	0.19	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	2	0.30	0.23	0.19	0.16	0.30	0.22	0.32	0.11	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	3	0.26	0.14	0.15	0.13	0.25	0.35	0.27	0.07	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	4	0.29	0.06	0.13	0.11	0.26	0.43	0.24	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	5	0.26	0.02	0.10	0.08	0.22	0.48	0.21	0.15	0.00	0.05	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
5	17	6	0.17	0.00	0.08	0.06	0.17	0.49	0.11	0.26	0.00	0.06	0.00	0.01	0.14	0.30	0.13	0.21	0.07	0.11	0.19
5	17	7	0.07	0.00	0.05	0.03	0.11	0.39	0.04	0.20	0.00	0.07	0.00	0.05	0.38	0.52	0.37	0.59	0.46	0.50	0.54
5	17	8	0.04	0.00	0.04	0.03	0.12	0.39	0.04	0.15	0.00	0.08	0.01	0.28	0.62	0.66	0.61	0.84	0.72	0.74	0.77
5	17	9	0.03	0.00	0.06	0.04	0.14	0.46	0.06	0.17	0.00	0.12	0.03	0.52	0.79	0.76	0.78	0.95	0.88	0.86	0.90
5	17	10	0.04	0.01	0.09	0.07	0.16	0.39	0.08	0.22	0.02	0.19	0.08	0.69	0.89	0.82	0.87	1.00	0.94	0.92	0.95
5	17	11	0.06	0.01	0.13	0.11	0.15	0.31	0.12	0.33	0.12	0.26	0.15	0.79	0.93	0.78	0.92	0.99	0.95	0.94	0.97
5	17	12	0.05	0.01	0.18	0.16	0.12	0.24	0.29	0.34	0.14	0.28	0.17	0.84	0.94	0.81	0.93	0.99	0.94	0.92	0.96
5	17	13	0.06	0.03	0.25	0.23	0.17	0.23	0.41	0.38	0.40	0.29	0.18	0.86	0.94	0.77	0.93	1.00	0.92	0.91	0.94
5	17	14	0.10	0.06	0.32	0.30	0.17	0.32	0.30	0.39	0.41	0.31	0.20	0.81	0.92	0.77	0.91	0.99	0.91	0.90	0.93
5	17	15	0.23	0.09	0.38	0.36	0.27	0.68	0.17	0.37	0.20	0.32	0.21	0.73	0.88	0.72	0.87	0.98	0.90	0.89	0.92
5	17	16	0.35	0.11	0.43	0.41	0.37	0.83	0.13	0.39	0.08	0.30	0.19	0.58	0.79	0.71	0.77	0.94	0.85	0.84	0.87
5	17	17	0.60	0.26	0.46	0.44	0.17	0.79	0.13	0.37	0.26	0.27	0.16	0.36	0.61	0.59	0.60	0.83	0.72	0.72	0.75
5	17	18	0.62	0.45	0.45	0.43	0.11	0.66	0.31	0.37	0.21	0.24	0.13	0.10	0.33	0.35	0.33	0.60	0.50	0.48	0.47
5	17	19	0.64	0.51	0.43	0.41	0.33	0.61	0.46	0.41	0.22	0.20	0.09	0.00	0.08	0.10	0.08	0.12	0.07	0.25	0.18
5	17	20	0.61	0.61	0.46	0.44	0.27	0.44	0.41	0.42	0.17	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	21	0.57	0.63	0.41	0.39	0.26	0.37	0.50	0.39	0.17	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	22	0.59	0.55	0.38	0.35	0.15	0.41	0.58	0.36	0.24	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	23	0.59	0.51	0.31	0.29	0.12	0.67	0.58	0.34	0.14	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	17	24	0.63	0.46	0.27	0.25	0.30	0.72	0.55	0.27	0.02	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	1	0.59	0.38	0.20	0.17	0.45	0.71	0.53	0.17	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	2	0.45	0.24	0.15	0.13	0.47	0.68	0.54	0.06	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	3	0.28	0.20	0.12	0.10	0.43	0.72	0.61	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	4	0.25	0.12	0.08	0.06	0.43	0.74	0.63	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	5	0.25	0.02	0.05	0.03	0.36	0.74	0.60	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
5	18	6	0.18	0.01	0.04	0.03	0.27	0.64	0.52	0.00	0.00	0.04	0.00	0.01	0.13	0.32	0.13	0.18	0.08	0.13	0.19
5	18	7	0.10	0.00	0.03	0.02	0.15	0.42	0.43	0.00	0.00	0.04	0.00	0.05	0.38	0.56	0.37	0.56	0.44	0.49	0.54
5	18	8	0.05	0.00	0.03	0.02	0.08	0.35	0.44	0.00	0.00	0.04	0.00	0.28	0.62	0.75	0.61	0.81	0.71	0.71	0.77
5	18	9	0.01	0.00	0.04	0.03	0.05	0.32	0.48	0.00	0.00	0.04	0.00	0.52	0.79	0.86	0.77	0.93	0.84	0.85	0.89
5	18	10	0.01	0.01	0.06	0.04	0.04	0.22	0.38	0.00	0.05	0.05	0.00	0.69	0.89	0.91	0.87	0.97	0.90	0.92	0.95
5	18	11	0.04	0.02	0.09	0.07	0.02	0.27	0.33	0.07	0.21	0.05	0.00	0.79	0.93	0.93	0.91	0.96	0.91	0.92	0.95
5	18	12	0.08	0.03	0.15	0.13	0.01	0.39	0.38	0.20	0.19	0.09	0.01	0.84	0.95	0.92	0.93	0.98	0.91	0.92	0.95
5	18	13	0.11	0.06	0.22	0.20	0.03	0.39	0.33	0.32	0.40	0.15	0.05	0.85	0.93	0.85	0.92	0.95	0.90	0.89	0.93
5	18	14	0.11	0.09	0.28	0.26	0.20	0.27	0.25	0.37	0.56	0.12	0.03	0.80	0.91	0.84	0.89	0.92	0.88	0.88	0.90
5	18	15	0.24	0.11	0.35	0.33	0.25	0.32	0.27	0.41	0.34	0.23	0.12	0.72	0.87	0.74	0.85	0.87	0.87	0.86	0.90
5	18	16	0.37	0.12	0.45	0.43	0.34	0.38	0.27	0.44	0.09	0.39	0.28	0.57	0.77	0.69	0.75	0.79	0.82	0.77	0.85
5	18	17	0.42	0.32	0.53	0.51	0.28	0.46	0.26	0.47	0.31	0.32	0.21	0.35	0.59	0.54	0.58	0.74	0.67	0.55	0.71
5	18	18	0.48	0.47	0.55	0.53	0.09	0.45	0.27	0.48	0.45	0.41	0.30	0.10	0.33	0.30	0.33	0.52	0.45	0.39	0.48
5	18	19	0.64	0.50	0.48	0.46	0.02	0.51	0.30	0.50	0.44	0.36	0.25	0.00	0.08	0.08	0.08	0.13	0.06	0.19	0.19
5	18	20	0.62	0.61	0.55	0.53	0.02	0.57	0.29	0.55	0.20	0.37	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	21	0.60	0.62	0.56	0.54	0.07	0.60	0.23	0.50	0.34	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	22	0.62	0.54	0.54	0.52	0.12	0.69	0.17	0.43	0.57	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	23	0.62	0.48	0.48	0.46	0.25	0.71	0.13	0.38	0.48	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	18	24	0.61	0.42	0.43	0.41	0.34	0.73	0.16	0.31	0.08	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	1	0.57	0.41	0.37	0.35	0.42	0.82	0.11	0.14	0.13	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	2	0.51	0.35	0.36	0.34	0.56	0.80	0.10	0.06	0.02	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	3	0.46	0.21	0.37	0.35	0.47	0.68	0.10	0.02	0.04	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	4	0.37	0.11	0.39	0.37	0.45	0.61	0.11	0.00	0.12	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	5	0.37	0.02	0.39	0.37	0.28	0.59	0.13	0.00	0.07	0.11	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
5	19	6	0.30	0.01	0.38	0.36	0.21	0.52	0.08	0.00	0.01	0.07	0.00	0.01	0.15	0.26	0.15	0.26	0.12	0.17	0.21
5	19	7	0.19	0.00	0.38	0.36	0.11	0.36	0.03	0.00	0.00	0.04	0.00	0.05	0.39	0.54	0.38	0.60	0.43	0.52	0.56
5	19	8	0.16	0.00	0.42	0.40	0.04	0.33	0.01	0.00	0.00	0.03	0.00	0.28	0.61	0.74	0.60	0.79	0.63	0.75	0.76
5	19	9	0.11	0.00	0.43	0.41	0.04	0.35	0.01	0.00	0.09	0.03	0.00	0.52	0.79	0.87	0.78	0.93	0.85	0.87	0.88
5	19	10	0.09	0.01	0.46	0.44	0.06	0.40	0.01	0.00	0.24	0.04	0.00	0.68	0.88	0.92	0.86	0.95	0.84	0.93	0.94
5	19	11	0.13	0.02	0.50	0.48	0.07	0.52	0.02	0.00	0.16	0.06	0.00	0.79	0.93	0.92	0.91	0.96	0.93	0.94	0.95
5	19	12	0.15	0.02	0.53	0.51	0.08	0.58	0.06	0.01	0.20	0.11	0.03	0.84	0.94	0.88	0.92	0.94	0.93	0.92	0.95
5	19	13	0.25	0.03	0.54	0.52	0.12	0.55	0.29	0.05	0.17	0.26	0.15	0.84	0.93	0.87	0.91	0.91	0.90	0.90	0.93
5	19	14	0.33	0.05	0.55	0.53	0.22	0.55	0.33	0.09	0.33	0.43	0.32	0.80	0.91	0.81	0.89	0.80	0.90	0.89	0.92
5	19	15	0.37	0.06	0.56	0.54	0.14	0.53	0.27	0.09	0.19	0.41	0.31	0.70	0.85	0.75	0.83	0.65	0.89	0.88	0.92
5	19	16	0.39	0.08	0.55	0.54	0.16	0.44	0.27	0.10	0.15	0.50	0.39	0.56	0.76	0.69	0.74	0.53	0.84	0.84	0.88
5	19	17	0.43	0.09	0.55	0.53	0.19	0.41	0.23	0.12	0.16	0.37	0.27	0.33	0.57	0.57	0.56	0.25	0.69	0.72	0.74
5	19	18	0.50	0.24	0.55	0.53	0.10	0.42	0.20	0.15	0.56	0.27	0.17	0.09	0.31	0.35	0.31	0.21	0.40	0.49	0.50
5	19	19	0.59	0.49	0.50	0.48	0.10	0.62	0.18	0.22	0.65	0.25	0.14	0.00	0.08	0.11	0.08	0.03	0.03	0.27	0.21
5	19	20	0.73	0.55	0.45	0.43	0.09	0.74	0.27	0.27	0.25	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	21	0.69	0.42	0.41	0.39	0.07	0.74	0.33	0.30	0.30	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	22	0.58	0.24	0.37	0.35	0.21	0.76	0.20	0.35	0.22	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	23	0.52	0.19	0.32	0.30	0.52	0.78	0.12	0.29	0.22	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	19	24	0.48	0.17	0.28	0.26	0.56	0.78	0.16	0.26	0.21	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	1	0.52	0.13	0.24	0.22	0.57	0.77	0.24	0.22	0.23	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	2	0.48	0.09	0.21	0.19	0.49	0.78	0.27	0.14	0.16	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	3	0.46	0.05	0.19	0.17	0.46	0.79	0.24	0.08	0.05	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	4	0.44	0.03	0.18	0.16	0.41	0.80	0.24	0.05	0.00	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	5	0.30	0.02	0.16	0.14	0.47	0.76	0.23	0.04	0.00	0.18	0.07	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
5	20	6	0.29	0.02	0.14	0.12	0.52	0.72	0.21	0.03	0.00	0.17	0.07	0.01	0.12	0.28	0.12	0.09	0.03	0.03	0.22
5	20	7	0.27	0.01	0.14	0.11	0.37	0.63	0.17	0.01	0.00	0.16	0.06	0.06	0.35	0.52	0.35	0.29	0.36	0.34	0.57
5	20	8	0.27	0.01	0.18	0.16	0.17	0.64	0.20	0.01	0.00	0.16	0.06	0.28	0.60	0.72	0.59	0.53	0.72	0.71	0.79
5	20	9	0.33	0.02	0.25	0.22	0.11	0.64	0.16	0.06	0.00	0.15	0.05	0.51	0.78	0.85	0.77	0.80	0.87	0.87	0.91
5	20	10	0.29	0.04	0.31	0.29	0.10	0.64	0.10	0.16	0.01	0.12	0.03	0.69	0.88	0.93	0.87	0.89	0.92	0.92	0.96
5	20	11	0.33	0.06	0.39	0.37	0.07	0.69	0.10	0.30	0.14	0.16	0.07	0.79	0.93	0.89	0.92	0.96	0.94	0.93	0.97
5	20	12	0.47	0.07	0.45	0.43	0.07	0.78	0.11	0.41	0.44	0.40	0.28	0.84	0.94	0.88	0.92	0.88	0.93	0.92	0.95
5	20	13	0.67	0.08	0.52	0.51	0.17	0.86	0.13	0.48	0.34	0.46	0.35	0.83	0.92	0.85	0.90	0.75	0.91	0.90	0.93
5	20	14	0.73	0.10	0.59	0.57	0.33	0.92	0.30	0.55	0.08	0.31	0.22	0.79	0.90	0.80	0.88	0.74	0.90	0.89	0.93
5	20	15	0.75	0.13	0.64	0.63	0.34	0.95	0.28	0.60	0.26	0.47	0.37	0.70	0.85	0.74	0.83	0.57	0.90	0.89	0.89
5	20	16	0.80	0.23	0.69	0.68	0.31	0.96	0.26	0.64	0.45	0.53	0.42	0.56	0.76	0.63	0.74	0.56	0.86	0.85	0.83
5	20	17	0.89	0.53	0.71	0.70	0.21	0.97	0.21	0.67	0.41	0.26	0.17	0.35	0.60	0.43	0.59	0.62	0.74	0.74	0.76
5	20	18	0.92	0.57	0.73	0.72	0.10	0.96	0.30	0.68	0.09	0.35	0.24	0.11	0.35	0.25	0.35	0.54	0.55	0.53	0.53
5	20	19	0.86	0.64	0.74	0.73	0.08	0.91	0.47	0.64	0.05	0.33	0.23	0.00	0.10	0.07	0.10	0.13	0.25	0.23	0.24
5	20	20	0.85	0.71	0.67	0.66	0.12	0.95	0.47	0.68	0.24	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	21	0.79	0.70	0.58	0.57	0.23	0.97	0.45	0.74	0.64	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	22	0.72	0.65	0.61	0.59	0.36	0.96	0.46	0.78	0.86	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	23	0.65	0.68	0.71	0.70	0.27	0.98	0.49	0.77	0.89	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	20	24	0.70	0.65	0.76	0.75	0.21	0.97	0.48	0.70	0.89	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	1	0.73	0.67	0.77	0.76	0.26	0.92	0.58	0.60	0.87	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	2	0.75	0.68	0.76	0.75	0.39	0.88	0.61	0.61	0.85	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	3	0.74	0.68	0.74	0.73	0.47	0.94	0.58	0.58	0.84	0.71	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	4	0.72	0.66	0.74	0.73	0.53	0.95	0.57	0.55	0.78	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	5	0.63	0.65	0.74	0.73	0.70	0.93	0.62	0.63	0.72	0.86	0.82	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00
5	21	6	0.61	0.58	0.73	0.72	0.68	0.89	0.61	0.60	0.58	0.85	0.81	0.01	0.17	0.32	0.17	0.29	0.15	0.17	0.26
5	21	7	0.61	0.47	0.73	0.72	0.69	0.84	0.64	0.52	0.48	0.79	0.75	0.05	0.40	0.55	0.39	0.66	0.53	0.54	0.60
5	21	8	0.69	0.45	0.68	0.67	0.69	0.88	0.72	0.61	0.56	0.77	0.72	0.28	0.62	0.77	0.61	0.87	0.76	0.76	0.81
5	21	9	0.73	0.47	0.62	0.61	0.69	0.84	0.70	0.72	0.62	0.78	0.74	0.51	0.77	0.90	0.76	0.98	0.87	0.86	0.93
5	21	10	0.67	0.53	0.58	0.56	0.64	0.75	0.54	0.75	0.68	0.85	0.81	0.68	0.87	0.97	0.85	1.00	0.93	0.93	0.97
5	21	11	0.65	0.55	0.55	0.53	0.66	0.74	0.48	0.73	0.72	0.84	0.80	0.78	0.92	0.94	0.90	1.00	0.93	0.94	0.98
5	21	12	0.67	0.63	0.54	0.52	0.78	0.80	0.56	0.73	0.76	0.73	0.67	0.83	0.93	0.94	0.91	1.00	0.92	0.93	0.97
5	21	13	0.70	0.64	0.56	0.54	0.82	0.87	0.51	0.73	0.84	0.61	0.54	0.84	0.92	0.89	0.91	1.00	0.89	0.90	0.93
5	21	14	0.67	0.64	0.58	0.56	0.80	0.71	0.49	0.74	0.88	0.60	0.52	0.80	0.90	0.83	0.88	1.00	0.88	0.89	0.88
5	21	15	0.65	0.62	0.60	0.58	0.77	0.69	0.44	0.79	0.91	0.64	0.57	0.71	0.86	0.78	0.84	1.00	0.88	0.88	0.86

Solar (continued) / Geothermal / Biomass / Small Hydro

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
5	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	5	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.06	0.04	0.03	0.00	1.00	1.00	1.00
5	16	6	0.04	0.18	0.30	0.39	0.32	0.27	0.23	0.32	0.44	0.41	0.34	0.02	1.00	1.00	1.00
5	16	7	0.21	0.55	0.65	0.68	0.65	0.60	0.54	0.64	0.64	0.67	0.57	0.04	1.00	1.00	1.00
5	16	8	0.44	0.84	0.87	0.85	0.84	0.78	0.73	0.83	0.83	0.82	0.75	0.15	1.00	1.00	1.00
5	16	9	0.69	0.99	0.98	0.95	0.94	0.91	0.83	0.93	0.89	0.90	0.85	0.26	1.00	1.00	1.00
5	16	10	0.89	1.00	1.00	0.99	0.98	0.94	0.94	0.97	0.89	0.93	0.80	0.39	1.00	1.00	1.00
5	16	11	1.00	1.00	1.00	1.00	0.99	0.96	1.00	0.98	0.86	0.85	0.73	0.49	1.00	1.00	1.00
5	16	12	1.00	1.00	1.00	0.98	0.98	0.94	1.00	0.97	0.82	0.89	0.68	0.60	1.00	1.00	1.00
5	16	13	1.00	1.00	0.99	0.98	0.98	0.92	0.97	0.97	0.79	0.82	0.69	0.56	1.00	1.00	1.00
5	16	14	1.00	1.00	1.00	0.98	0.96	0.95	0.98	0.96	0.57	0.84	0.71	0.60	1.00	1.00	1.00
5	16	15	0.99	1.00	0.98	0.96	0.94	0.91	0.95	0.94	0.67	0.75	0.67	0.64	1.00	1.00	1.00
5	16	16	0.93	0.95	0.92	0.89	0.87	0.81	0.89	0.86	0.74	0.77	0.63	0.42	1.00	1.00	1.00
5	16	17	0.78	0.79	0.78	0.74	0.69	0.67	0.71	0.69	0.61	0.62	0.49	0.27	1.00	1.00	1.00
5	16	18	0.48	0.47	0.49	0.47	0.43	0.39	0.36	0.42	0.45	0.42	0.26	0.05	1.00	1.00	1.00
5	16	19	0.18	0.14	0.13	0.10	0.07	0.05	0.04	0.07	0.12	0.13	0.01	0.00	1.00	1.00	1.00
5	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	5	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.07	0.04	0.03	0.00	1.00	1.00	1.00
5	17	6	0.08	0.16	0.29	0.39	0.30	0.24	0.20	0.30	0.45	0.41	0.38	0.04	1.00	1.00	1.00
5	17	7	0.40	0.55	0.65	0.67	0.62	0.57	0.50	0.62	0.67	0.67	0.67	0.07	1.00	1.00	1.00
5	17	8	0.67	0.81	0.87	0.85	0.83	0.78	0.79	0.82	0.78	0.82	0.85	0.08	1.00	1.00	1.00
5	17	9	0.92	0.96	0.97	0.95	0.93	0.90	0.91	0.93	0.88	0.87	0.94	0.14	1.00	1.00	1.00
5	17	10	1.00	1.00	1.00	0.99	0.99	0.93	0.97	0.98	0.90	0.91	0.97	0.19	1.00	1.00	1.00
5	17	11	1.00	1.00	1.00	0.99	1.00	0.96	0.98	0.99	0.68	0.92	0.97	0.14	1.00	1.00	1.00
5	17	12	1.00	1.00	1.00	0.98	0.98	0.94	0.96	0.98	0.80	0.91	0.93	0.16	1.00	1.00	1.00
5	17	13	1.00	1.00	0.99	0.98	0.97	0.97	0.97	0.96	0.65	0.90	0.87	0.25	1.00	1.00	1.00
5	17	14	1.00	1.00	1.00	0.98	0.96	0.93	0.95	0.96	0.75	0.90	0.85	0.18	1.00	1.00	1.00
5	17	15	0.99	1.00	0.97	0.95	0.93	0.91	0.94	0.93	0.73	0.83	0.79	0.17	1.00	1.00	1.00
5	17	16	0.92	0.93	0.91	0.90	0.86	0.83	0.87	0.85	0.74	0.79	0.73	0.35	1.00	1.00	1.00
5	17	17	0.76	0.76	0.77	0.74	0.70	0.67	0.69	0.69	0.69	0.69	0.59	0.26	1.00	1.00	1.00
5	17	18	0.47	0.44	0.47	0.40	0.43	0.36	0.40	0.42	0.45	0.47	0.34	0.09	1.00	1.00	1.00
5	17	19	0.18	0.12	0.12	0.07	0.08	0.04	0.05	0.08	0.13	0.14	0.02	0.00	1.00	1.00	1.00
5	17	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	17	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	5	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.06	0.04	0.03	0.08	1.00	1.00	1.00
5	18	6	0.08	0.17	0.27	0.35	0.29	0.26	0.22	0.29	0.42	0.40	0.36	0.29	1.00	1.00	1.00
5	18	7	0.41	0.56	0.63	0.65	0.62	0.58	0.53	0.62	0.64	0.66	0.66	0.40	1.00	1.00	1.00
5	18	8	0.74	0.85	0.85	0.84	0.83	0.78	0.81	0.82	0.81	0.82	0.84	0.49	1.00	1.00	1.00
5	18	9	0.91	0.98	0.97	0.95	0.94	0.90	0.94	0.93	0.85	0.90	0.93	0.60	1.00	1.00	1.00
5	18	10	1.00	1.00	1.00	0.99	0.98	0.95	1.00	0.97	0.81	0.93	0.97	0.67	1.00	1.00	1.00
5	18	11	1.00	1.00	1.00	1.00	0.99	0.95	1.00	0.98	0.85	0.93	0.97	0.71	1.00	1.00	1.00
5	18	12	1.00	1.00	1.00	0.98	0.98	0.96	1.00	0.97	0.81	0.92	0.87	0.81	1.00	1.00	1.00
5	18	13	1.00	1.00	1.00	0.97	0.97	0.92	0.98	0.96	0.70	0.91	0.82	0.76	1.00	1.00	1.00
5	18	14	1.00	1.00	0.99	0.97	0.97	0.94	0.96	0.96	0.75	0.91	0.83	0.78	1.00	1.00	1.00
5	18	15	0.99	1.00	0.97	0.95	0.95	0.93	0.93	0.94	0.68	0.86	0.81	0.60	1.00	1.00	1.00
5	18	16	0.93	0.93	0.92	0.89	0.87	0.84	0.87	0.87	0.74	0.82	0.68	0.55	1.00	1.00	1.00
5	18	17	0.79	0.77	0.78	0.77	0.71	0.68	0.68	0.71	0.70	0.68	0.54	0.30	1.00	1.00	1.00
5	18	18	0.48	0.46	0.48	0.46	0.43	0.43	0.39	0.43	0.43	0.45	0.30	0.08	1.00	1.00	1.00
5	18	19	0.19	0.14	0.14	0.10	0.09	0.07	0.05	0.09	0.13	0.15	0.01	0.00	1.00	1.00	1.00
5	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	5	0.00	0.00	0.00	0.02	0.01	0.01	0.00	0.01	0.07	0.03	0.02	0.07	1.00	1.00	1.00
5	19	6	0.13	0.18	0.30	0.38	0.30	0.27	0.21	0.29	0.42	0.34	0.31	0.21	1.00	1.00	1.00
5	19	7	0.53	0.53	0.64	0.68	0.62	0.62	0.51	0.62	0.66	0.61	0.59	0.49	1.00	1.00	1.00
5	19	8	0.78	0.80	0.85	0.86	0.80	0.83	0.76	0.80	0.77	0.77	0.80	0.65	1.00	1.00	1.00
5	19	9	0.93	0.96	0.97	0.95	0.94	0.91	0.94	0.93	0.85	0.87	0.88	0.78	1.00	1.00	1.00
5	19	10	1.00	1.00	1.00	0.99	0.98	0.98	1.00	0.97	0.88	0.90	0.94	0.79	1.00	1.00	1.00
5	19	11	1.00	1.00	1.00	1.00	0.98	0.97	1.00	0.98	0.88	0.91	0.96	0.69	1.00	1.00	1.00
5	19	12	1.00	1.00	1.00	0.99	0.98	0.97	0.99	0.97	0.88	0.87	0.88	0.57	1.00	1.00	1.00
5	19	13	1.00	1.00	0.99	0.98	0.97	0.93	0.96	0.96	0.88	0.87	0.81	0.59	1.00	1.00	1.00
5	19	14	0.99	1.00	1.00	0.98	0.97	0.96	0.97	0.96	0.88	0.86	0.74	0.44	1.00	1.00	1.00
5	19	15	0.97	0.98	0.98	0.96	0.94	0.94	0.94	0.93	0.87	0.84	0.69	0.29	1.00	1.00	1.00
5	19	16	0.91	0.93	0.92	0.89	0.87	0.87	0.86	0.87	0.81	0.77	0.64	0.30	1.00	1.00	1.00
5	19	17	0.72	0.77	0.78	0.76	0.70	0.70	0.69	0.70	0.69	0.70	0.50	0.22	1.00	1.00	1.00
5	19	18	0.40	0.49	0.50	0.42	0.43	0.43	0.40	0.43	0.42	0.47	0.30	0.05	1.00	1.00	1.00
5	19	19	0.17	0.15	0.15	0.09	0.09	0.07	0.06	0.09	0.11	0.16	0.02	0.00	1.00	1.00	1.00
5	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	5	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.06	0.03	0.03	0.13	1.00	1.00	1.00
5	20	6	0.09	0.17	0.30	0.33	0.29	0.24	0.23	0.28	0.37	0.36	0.35	0.34	1.00	1.00	1.00
5	20	7	0.49	0.58	0.62	0.65	0.61	0.58	0.51	0.60	0.67	0.59	0.56	0.51	1.00	1.00	1.00
5	20	8	0.78	0.85	0.83	0.84	0.81	0.82	0.75	0.80	0.81	0.77	0.76	0.67	1.00	1.00	1.00
5	20	9	0.93	0.99	0.96	0.95	0.93	0.92	0.94	0.92	0.88	0.88	0.88	0.87	1.00	1.00	1.00
5	20	10	1.00	1.00	1.00	0.99	0.98	0.96	1.00	0.97	0.86	0.88	0.95	0.90	1.00	1.00	1.00
5	20	11	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.98	0.86	0.90	0.93	0.72	1.00	1.00	1.00
5	20	12	1.00	1.00	1.00	0.99	0.98	0.99	0.99	0.97	0.88	0.85	0.91	0.73	1.00	1.00	1.00
5	20	13	1.00	1.00	0.99	0.97	0.97	0.97	0.96	0.96	0.86	0.78	0.80	0.65	1.00	1.00	1.00
5	20	14	1.00	1.00	0.99	0.97	0.97	0.96	0.96	0.96	0.86	0.75	0.88	0.48	1.00	1.00	1.00
5	20	15	1.00	0.99	0.98	0.96	0.95	0.92	0.95	0.94	0.86	0.75	0.83	0.40	1.00	1.00	1.00
5	20	16	0.94	0.93	0.91	0.89	0.88	0.84	0.88	0.87	0.79	0.71	0.75	0.33	1.00	1.00	1.00
5	20	17	0.81	0.78	0.75	0.74	0.71	0.67	0.70	0.70	0.48	0.58	0.62	0.12	1.00	1.00	1.00
5	20	18	0.55	0.49	0.45	0.41	0.42	0.38	0.38	0.42	0.35	0.39	0.36	0.01	1.00	1.00	1.00
5	20	19	0.25	0.16	0.13	0.08	0.09	0.06	0.05	0.09	0.11	0.11	0.02	0.00	1.00	1.00	1.00
5	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	5	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.01	0.02	0.04	0.04	0.13	1.00	1.00	1.00
5	21	6	0.10	0.22	0.35	0.40	0.34	0.25	0.25	0.33	0.19	0.40	0.39	0.40	1.00	1.00	1.00
5	21	7	0.34	0.54	0.68	0.69	0.66	0.59	0.54	0.65	0.44	0.64	0.67	0.60	1.00	1.00	1.00
5	21	8	0.62	0.72	0.88	0.87	0.85	0.80	0.74	0.85	0.60	0.75	0.85	0.95	1.00	1.00	1.00
5	21	9	0.76	0.81	0.98	0.97	0.97	0.93	0.85	0.96	0.75	0.82	0.94	0.99	1.00	1.00	1.00
5	21	10	0.86	0.85	1.00	1.00	1.00	0.95	0.94	1.00	0.80	0.91	0.98	1.00	1.00	1.00	1.00
5	21	11	0.90	0.87	1.00	1.00	1.00	0.97	0.98	1.00	0.67	0.88	0.99	0.98	1.00	1.00	1.00
5	21	12	0.96	0.87	1.00	1.00	1.00	0.92	0.93	1.00	0.66	0.85	0.97	0.99	1.00	1.00	1.00
5	21	13	1.00	0.85	1.00	0.99	1.00	0.94	0.89	0.99	0.51	0.84	0.96	0.91	1.00	1.00	1.00
5	21	14	1.00	0.84	1.00	1.00	1.00	0.95	0.83	0.99	0.46	0.77	0.96	0.80	1.00	1.00	1.00
5	21	15	1.00	0.83	1.00	0.98	0.98	0.91	0.82	0.97	0.30	0.78	0.93	0.81	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp
			Wind											
5	21	16	0.60	0.72	0.93	0.67	0.73	0.86	0.25	0.98	0.63	0.60	0.69	0.58
5	21	17	0.75	0.77	0.95	0.66	0.66	0.97	0.28	0.98	0.78	0.75	0.70	0.61
5	21	18	0.71	0.68	0.92	0.65	0.49	0.98	0.34	0.97	0.73	0.71	0.74	0.68
5	21	19	0.71	0.67	0.89	0.64	0.38	0.97	0.41	0.91	0.74	0.71	0.78	0.69
5	21	20	0.52	0.66	0.91	0.73	0.35	0.93	0.42	0.77	0.56	0.51	0.77	0.69
5	21	21	0.50	0.63	0.91	0.75	0.26	0.95	0.40	0.73	0.53	0.49	0.73	0.70
5	21	22	0.82	0.67	0.87	0.74	0.31	0.96	0.40	0.71	0.85	0.82	0.65	0.65
5	21	23	0.83	0.73	0.81	0.74	0.47	0.97	0.35	0.71	0.84	0.83	0.58	0.64
5	21	24	0.80	0.82	0.78	0.73	0.57	0.99	0.33	0.70	0.82	0.80	0.56	0.59
5	22	1	0.81	0.84	0.82	0.75	0.58	1.00	0.30	0.74	0.83	0.81	0.47	0.54
5	22	2	0.66	0.83	0.75	0.74	0.54	1.00	0.24	0.77	0.69	0.66	0.39	0.52
5	22	3	0.47	0.73	0.71	0.72	0.49	0.98	0.17	0.70	0.51	0.46	0.29	0.51
5	22	4	0.41	0.67	0.70	0.70	0.50	0.90	0.12	0.68	0.46	0.41	0.17	0.46
5	22	5	0.33	0.64	0.68	0.69	0.54	0.83	0.07	0.59	0.38	0.32	0.11	0.44
5	22	6	0.20	0.48	0.65	0.66	0.56	0.88	0.04	0.38	0.26	0.19	0.10	0.37
5	22	7	0.08	0.38	0.58	0.61	0.57	0.87	0.02	0.20	0.14	0.07	0.07	0.26
5	22	8	0.01	0.46	0.53	0.59	0.51	0.85	0.00	0.09	0.06	0.00	0.06	0.06
5	22	9	0.00	0.52	0.43	0.61	0.46	0.62	0.00	0.03	0.02	0.00	0.03	0.00
5	22	10	0.00	0.60	0.32	0.61	0.46	0.60	0.00	0.00	0.01	0.00	0.01	0.00
5	22	11	0.00	0.71	0.23	0.60	0.41	0.63	0.00	0.01	0.00	0.00	0.00	0.00
5	22	12	0.00	0.76	0.19	0.59	0.29	0.59	0.00	0.09	0.02	0.00	0.04	0.00
5	22	13	0.06	0.79	0.20	0.58	0.21	0.49	0.00	0.33	0.12	0.05	0.15	0.00
5	22	14	0.23	0.81	0.20	0.59	0.20	0.46	0.00	0.64	0.29	0.23	0.31	0.06
5	22	15	0.36	0.80	0.22	0.63	0.23	0.42	0.00	0.84	0.41	0.35	0.44	0.22
5	22	16	0.39	0.75	0.23	0.67	0.27	0.51	0.00	0.90	0.44	0.38	0.56	0.42
5	22	17	0.38	0.72	0.31	0.71	0.32	0.67	0.02	0.93	0.43	0.37	0.59	0.50
5	22	18	0.46	0.69	0.57	0.72	0.37	0.74	0.04	0.91	0.50	0.45	0.58	0.52
5	22	19	0.56	0.61	0.68	0.74	0.50	0.81	0.04	0.81	0.60	0.55	0.57	0.55
5	22	20	0.58	0.67	0.68	0.78	0.70	0.82	0.07	0.73	0.62	0.58	0.57	0.61
5	22	21	0.52	0.67	0.65	0.76	0.82	0.90	0.08	0.68	0.56	0.52	0.64	0.59
5	22	22	0.42	0.61	0.51	0.75	0.89	0.97	0.09	0.59	0.46	0.41	0.61	0.57
5	22	23	0.47	0.61	0.44	0.74	0.91	0.93	0.07	0.58	0.51	0.46	0.59	0.55
5	22	24	0.59	0.62	0.42	0.75	0.89	0.96	0.04	0.68	0.63	0.58	0.56	0.51
5	23	1	0.48	0.65	0.43	0.73	0.92	0.95	0.03	0.60	0.52	0.47	0.50	0.46
5	23	2	0.33	0.64	0.40	0.72	0.95	0.69	0.03	0.29	0.38	0.32	0.36	0.38
5	23	3	0.21	0.64	0.38	0.72	0.96	0.31	0.02	0.06	0.26	0.20	0.30	0.27
5	23	4	0.19	0.56	0.35	0.70	0.95	0.30	0.01	0.00	0.25	0.18	0.26	0.22
5	23	5	0.31	0.50	0.33	0.72	0.92	0.49	0.02	0.01	0.37	0.30	0.22	0.17
5	23	6	0.36	0.37	0.19	0.72	0.84	0.25	0.00	0.10	0.40	0.35	0.17	0.01
5	23	7	0.53	0.28	0.07	0.62	0.68	0.24	0.00	0.29	0.58	0.53	0.20	0.01
5	23	8	0.65	0.27	0.02	0.55	0.51	0.19	0.00	0.55	0.69	0.65	0.38	0.07
5	23	9	0.67	0.25	0.00	0.55	0.44	0.20	0.00	0.66	0.70	0.66	0.54	0.15
5	23	10	0.61	0.32	0.00	0.51	0.34	0.15	0.00	0.61	0.65	0.61	0.54	0.17
5	23	11	0.42	0.38	0.00	0.41	0.14	0.12	0.00	0.56	0.47	0.42	0.44	0.19
5	23	12	0.31	0.48	0.00	0.33	0.02	0.07	0.00	0.42	0.36	0.30	0.31	0.18
5	23	13	0.19	0.57	0.00	0.26	0.00	0.04	0.00	0.24	0.25	0.19	0.22	0.16
5	23	14	0.16	0.64	0.00	0.18	0.00	0.03	0.00	0.12	0.22	0.15	0.17	0.12
5	23	15	0.13	0.77	0.02	0.13	0.00	0.03	0.00	0.04	0.19	0.12	0.14	0.08
5	23	16	0.08	0.83	0.06	0.10	0.00	0.04	0.00	0.00	0.13	0.07	0.11	0.04
5	23	17	0.04	0.80	0.16	0.07	0.02	0.04	0.01	0.00	0.10	0.03	0.07	0.02
5	23	18	0.02	0.70	0.35	0.06	0.17	0.09	0.06	0.00	0.07	0.01	0.04	0.00
5	23	19	0.00	0.60	0.34	0.07	0.50	0.54	0.17	0.00	0.06	0.00	0.05	0.00
5	23	20	0.01	0.51	0.37	0.07	0.67	0.87	0.21	0.00	0.07	0.01	0.10	0.00
5	23	21	0.01	0.44	0.36	0.06	0.64	0.88	0.19	0.00	0.07	0.00	0.13	0.00
5	23	22	0.00	0.35	0.34	0.08	0.63	0.78	0.17	0.00	0.04	0.00	0.10	0.00
5	23	23	0.00	0.27	0.26	0.08	0.66	0.76	0.13	0.00	0.04	0.00	0.09	0.00
5	23	24	0.00	0.21	0.15	0.07	0.66	0.47	0.07	0.00	0.05	0.00	0.07	0.00
5	24	1	0.00	0.23	0.12	0.04	0.58	0.27	0.02	0.00	0.02	0.00	0.04	0.00
5	24	2	0.00	0.56	0.10	0.04	0.45	0.11	0.00	0.00	0.00	0.00	0.03	0.00
5	24	3	0.00	0.65	0.09	0.05	0.28	0.05	0.00	0.00	0.00	0.00	0.05	0.00
5	24	4	0.00	0.72	0.09	0.05	0.14	0.04	0.00	0.00	0.00	0.00	0.09	0.00
5	24	5	0.00	0.61	0.10	0.05	0.07	0.03	0.00	0.00	0.00	0.00	0.12	0.00
5	24	6	0.00	0.48	0.05	0.04	0.01	0.02	0.00	0.00	0.00	0.00	0.13	0.03
5	24	7	0.00	0.44	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.05
5	24	8	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
5	24	9	0.00	0.47	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
5	24	10	0.00	0.37	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
5	24	11	0.00	0.31	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	12	0.00	0.27	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	13	0.00	0.23	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	14	0.00	0.19	0.01	0.09	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
5	24	15	0.00	0.20	0.00	0.11	0.00	0.03	0.00	0.01	0.00	0.00	0.03	0.00
5	24	16	0.00	0.21	0.00	0.12	0.02	0.07	0.00	0.08	0.02	0.00	0.18	0.02
5	24	17	0.01	0.22	0.03	0.16	0.12	0.38	0.03	0.28	0.06	0.01	0.38	0.06
5	24	18	0.15	0.22	0.07	0.21	0.27	0.53	0.07	0.48	0.21	0.14	0.46	0.27
5	24	19	0.25	0.24	0.22	0.29	0.48	0.68	0.12	0.59	0.31	0.24	0.45	0.35
5	24	20	0.38	0.40	0.46	0.41	0.66	0.83	0.12	0.65	0.43	0.37	0.39	0.37
5	24	21	0.55	0.43	0.50	0.44	0.72	0.84	0.09	0.64	0.59	0.54	0.32	0.39
5	24	22	0.57	0.47	0.41	0.38	0.73	0.86	0.07	0.61	0.61	0.56	0.25	0.38
5	24	23	0.40	0.41	0.44	0.29	0.71	0.64	0.04	0.59	0.44	0.39	0.24	0.29
5	24	24	0.27	0.36	0.45	0.21	0.67	0.51	0.00	0.57	0.32	0.26	0.21	0.19
5	25	1	0.23	0.40	0.48	0.17	0.59	0.39	0.00	0.48	0.28	0.22	0.13	0.11
5	25	2	0.19	0.41	0.49	0.16	0.43	0.41	0.00	0.41	0.25	0.18	0.08	0.02
5	25	3	0.15	0.26	0.52	0.12	0.35	0.34	0.00	0.34	0.20	0.14	0.04	0.00
5	25	4	0.09	0.21	0.40	0.08	0.36	0.25	0.00	0.29	0.15	0.08	0.02	0.00
5	25	5	0.05	0.18	0.33	0.05	0.36	0.16	0.00	0.24	0.10	0.04	0.00	0.00
5	25	6	0.02	0.17	0.26	0.03	0.30	0.14	0.00	0.19	0.07	0.01	0.00	0.00
5	25	7	0.00	0.14	0.11	0.01	0.18	0.08	0.00	0.06	0.01	0.00	0.00	0.00
5	25	8	0.00	0.11	0.07	0.00	0.03	0.02	0.00	0.01	0.00	0.00	0.00	0.00
5	25	9	0.00	0.12	0.08	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
5	25	10	0.00	0.15	0.10	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
5	25	11	0.00	0.29	0.10	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
5	25	12	0.00	0.50	0.08	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
5	25	13	0.00	0.31	0.04	0.05	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00
5	25	14	0.00	0.33	0.02	0.07	0.05	0.04	0.00	0.01	0.01	0.00	0.00	0.00
5	25	15	0.00	0.36	0.00	0.10	0.17	0.09	0.00	0.09	0.03	0.00	0.09	0.01
5	25	16	0.01	0.26	0.00	0.13	0.32	0.27	0.02	0.24	0.05	0.01	0.31	0.05
5	25	17	0.11	0.13	0.00	0.17	0.50	0.40	0.05	0.39	0.17	0.10	0.45	0.24
5	25	18	0.23	0.11	0.00	0.18	0.59	0.43	0.07	0.52	0.29	0.22	0.46	0.37
5	25	19	0.37	0.19	0.00	0.27	0.69	0.66	0.09	0.59	0.42	0.36	0.45	0.39
5	25	20	0.47	0.29	0.00	0.41	0.79	0.89	0.06	0.62	0.51	0.46	0.42	0.42
5	25	21	0.44	0.27	0.00	0.42	0.82	0.91	0.03	0.59	0.48	0.43	0.35	0.48
5	25	22	0.42	0.43	0.00	0.36	0.81	0.81	0.01	0.57	0.47	0.41	0.33	0.55
5	25	23	0.32	0.54	0.00	0.30	0.78	0.79	0.00	0.55	0.37	0.31	0.29	0.45
5	25	24	0.33	0.53	0.00	0.25	0.74	0.58	0.00	0.50	0.39	0.33	0.23	0.41
5	26	1	0.35	0.45	0.00	0.31	0.67	0.62	0.00	0.47	0.40	0.35	0.19	0.36
5	26	2	0.35	0.43	0.00	0.25	0.63	0.43	0.00	0.44	0.40	0.34	0.16	0.33
5	26	3	0.28	0.27	0.00	0.16	0.61	0.41	0.00	0.33	0.34	0.27	0.12	0.35
5	26	4	0.19	0.25	0.00	0.11	0.62	0.32	0.00	0.27	0.25	0.18	0.11	0.24
5	26	5	0.14	0.28	0.00	0.08	0.62	0.24	0.00	0.21	0.20	0.13	0.07	0.14
5	26	6	0.09	0.24	0.00	0.06	0.55	0.25	0.00	0.20	0.15	0.09	0.04	0.10
5	26	7	0.03	0.23	0.00	0.02	0.38	0.17	0.00	0.11	0.09	0.02	0.01	0.01
5	26	8	0.02	0.28	0.00	0.01	0.18	0.06	0.00	0.01	0.08	0.01	0.00	0.00
5	26	9	0.04	0.28	0.00	0.00	0.05	0.04	0.00	0.00	0.10	0.03	0.00	0.00
5	26	10	0.03	0.18	0.00	0.00	0.00	0.03	0.00	0.00	0.09	0.02	0.00	0.00
5	26	11	0.02	0.11	0.00	0.01	0.00	0.03	0.00	0.00	0.07	0.01	0.00	0.00
5	26	12	0.02	0.07	0.00	0.02	0.00	0.02	0.00	0.02	0.08	0.01	0.03	0.01
5	26	13	0.05	0.19	0.00	0.03	0.00	0.02	0.00	0.09	0.11	0.04	0.12	0.01
5	26	14	0.07	0.50	0.00	0.05	0.05	0.02	0.00	0.19	0.13	0.06	0.29	0.02
5	26	15	0.13	0.28	0.02	0.08	0.21	0.08	0.00	0.35	0.18	0.12	0.48	0.03
5	26	16	0.22	0.40	0.14	0.12	0.40	0.33	0.01	0.48	0.28	0.21	0.54	0.16
5	26	17	0.34	0.18	0.32	0.17	0.61	0.51	0.03	0.57	0.39	0.33	0.56	0.38
5	26	18	0.57	0.05	0.45	0.25	0.74	0.59	0.04	0.68	0.61	0.56	0.57	0.43
5	26	19	0.77	0.09	0.55	0.41	0.84	0.80	0.06	0.74	0.80	0.77	0.59	0.49
5	26	20	0.83	0.16	0.61	0.63	0.89	0.89	0.08	0.76	0.84	0.82	0.60	0.56
5	26	21	0.80	0.13	0.63	0.59	0.90	0.92	0.04	0.75	0.83	0.80	0.60	0.55
5	26	22	0.58	0.12	0.67	0.51	0.89	0.90	0.01	0.70	0.62	0.58	0.60	0.51
5	26	23	0.44	0.10	0.70	0.52	0.87	0.87	0.00	0.63	0.48	0.43	0.51	0.49
5	26	24	0.38	0.12	0.68	0.53	0.85	0.85	0.00	0.57	0.43	0.38	0.44	0.44
5	27	1	0.33	0.10	0.66	0.49	0.82	0.88	0.00	0.52	0.38	0.32	0.38	0.40
5	27	2	0.29	0.09	0.67	0.40	0.80	0.91	0.00	0.47	0.34	0.28	0.28	0.40
5	27	3	0.29	0.12	0.68	0.34	0.79	0.88	0.00	0.42	0.35	0.29	0.24	0.38
5	27	4	0.25	0.17	0.67	0.31	0.78	0.64	0.00	0.36	0.31	0.25	0.21	0.37
5	27	5	0.22	0.15	0.66	0.26	0.76	0.47	0.00	0.30	0.27	0.21	0.21	0.35
5	27	6	0.16	0.14	0.65	0.21	0.72	0.39	0.00	0.23	0.22	0.15	0.19	0.34

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
			Wind											Solar							
5	21	16	0.61	0.62	0.69	0.68	0.72	0.15	0.51	0.83	0.92	0.72	0.66	0.57	0.77	0.70	0.76	0.97	0.84	0.84	0.80
5	21	17	0.76	0.65	0.76	0.75	0.71	0.21	0.40	0.82	0.91	0.77	0.71	0.36	0.62	0.57	0.61	0.89	0.74	0.74	0.73
5	21	18	0.72	0.72	0.76	0.75	0.63	0.40	0.28	0.82	0.87	0.68	0.62	0.11	0.36	0.36	0.35	0.64	0.55	0.53	0.50
5	21	19	0.72	0.73	0.70	0.69	0.48	0.21	0.16	0.78	0.80	0.67	0.61	0.00	0.09	0.12	0.09	0.20	0.03	0.12	0.23
5	21	20	0.53	0.72	0.72	0.70	0.52	0.09	0.16	0.75	0.85	0.66	0.59	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	21	21	0.51	0.73	0.76	0.75	0.55	0.14	0.20	0.72	0.89	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	22	0.83	0.68	0.75	0.74	0.62	0.42	0.34	0.70	0.92	0.67	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	23	0.83	0.68	0.72	0.70	0.65	0.77	0.49	0.70	0.95	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	21	24	0.80	0.63	0.64	0.63	0.59	0.67	0.63	0.68	0.95	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	1	0.82	0.58	0.51	0.50	0.55	0.53	0.62	0.61	0.94	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	2	0.67	0.57	0.41	0.39	0.50	0.44	0.71	0.51	0.92	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	3	0.48	0.57	0.38	0.36	0.45	0.24	0.73	0.38	0.87	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	4	0.42	0.51	0.36	0.34	0.49	0.12	0.67	0.31	0.81	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	5	0.34	0.50	0.34	0.32	0.60	0.11	0.66	0.23	0.76	0.64	0.56	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00
5	22	6	0.21	0.43	0.28	0.26	0.63	0.08	0.66	0.14	0.65	0.48	0.38	0.01	0.18	0.41	0.17	0.31	0.19	0.19	0.26
5	22	7	0.09	0.33	0.18	0.16	0.62	0.06	0.79	0.09	0.54	0.38	0.28	0.05	0.41	0.66	0.40	0.65	0.55	0.54	0.60
5	22	8	0.01	0.13	0.13	0.11	0.63	0.05	0.76	0.05	0.55	0.46	0.36	0.29	0.64	0.87	0.62	0.86	0.76	0.75	0.80
5	22	9	0.00	0.02	0.11	0.09	0.65	0.04	0.71	0.02	0.55	0.51	0.42	0.51	0.79	0.94	0.77	0.92	0.87	0.87	0.91
5	22	10	0.00	0.01	0.11	0.09	0.66	0.03	0.73	0.02	0.51	0.60	0.53	0.69	0.89	1.00	0.87	0.98	0.92	0.92	0.96
5	22	11	0.00	0.03	0.12	0.10	0.69	0.02	0.68	0.02	0.56	0.71	0.64	0.79	0.94	1.00	0.92	0.98	0.93	0.93	0.97
5	22	12	0.00	0.05	0.14	0.12	0.73	0.02	0.67	0.04	0.63	0.76	0.71	0.84	0.94	0.96	0.93	0.89	0.91	0.91	0.96
5	22	13	0.07	0.07	0.15	0.12	0.72	0.02	0.59	0.09	0.77	0.79	0.75	0.85	0.93	0.97	0.91	0.90	0.90	0.90	0.94
5	22	14	0.24	0.12	0.16	0.13	0.69	0.02	0.50	0.14	0.86	0.81	0.76	0.81	0.92	0.87	0.90	0.99	0.88	0.89	0.94
5	22	15	0.36	0.29	0.18	0.15	0.72	0.02	0.42	0.18	0.91	0.80	0.75	0.72	0.87	0.84	0.86	0.90	0.88	0.88	0.93
5	22	16	0.39	0.49	0.18	0.16	0.72	0.02	0.42	0.20	0.92	0.75	0.70	0.58	0.79	0.75	0.78	0.91	0.84	0.84	0.90
5	22	17	0.39	0.55	0.19	0.17	0.72	0.02	0.47	0.31	0.91	0.72	0.66	0.37	0.63	0.56	0.62	0.84	0.72	0.73	0.78
5	22	18	0.47	0.57	0.23	0.20	0.75	0.04	0.43	0.45	0.85	0.69	0.62	0.11	0.37	0.32	0.36	0.62	0.53	0.51	0.53
5	22	19	0.56	0.60	0.30	0.28	0.73	0.08	0.45	0.57	0.66	0.61	0.54	0.00	0.10	0.09	0.10	0.24	0.09	0.12	0.25
5	22	20	0.59	0.65	0.38	0.36	0.73	0.14	0.40	0.60	0.52	0.67	0.60	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	22	21	0.53	0.63	0.31	0.29	0.78	0.19	0.40	0.61	0.52	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	22	0.43	0.62	0.32	0.30	0.77	0.29	0.36	0.74	0.51	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	23	0.48	0.60	0.37	0.35	0.73	0.45	0.38	0.75	0.45	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	22	24	0.59	0.56	0.30	0.28	0.72	0.57	0.45	0.63	0.47	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	1	0.48	0.52	0.21	0.19	0.63	0.51	0.54	0.56	0.38	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	2	0.34	0.44	0.14	0.12	0.59	0.35	0.61	0.54	0.28	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	3	0.22	0.34	0.09	0.07	0.61	0.24	0.69	0.44	0.24	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	4	0.20	0.29	0.06	0.04	0.58	0.17	0.71	0.24	0.22	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	5	0.32	0.25	0.05	0.03	0.50	0.19	0.67	0.17	0.17	0.50	0.40	0.00	0.00	0.06	0.00	0.01	0.00	0.00	0.00
5	23	6	0.36	0.07	0.06	0.04	0.27	0.14	0.69	0.15	0.12	0.37	0.26	0.01	0.18	0.38	0.18	0.29	0.07	0.18	0.27
5	23	7	0.54	0.08	0.05	0.03	0.12	0.14	0.76	0.19	0.14	0.28	0.17	0.05	0.40	0.62	0.39	0.65	0.30	0.47	0.60
5	23	8	0.66	0.14	0.03	0.02	0.09	0.13	0.75	0.25	0.09	0.27	0.16	0.29	0.62	0.81	0.61	0.86	0.70	0.56	0.76
5	23	9	0.67	0.22	0.03	0.02	0.06	0.15	0.65	0.35	0.05	0.25	0.15	0.52	0.79	0.89	0.77	0.96	0.86	0.74	0.84
5	23	10	0.62	0.25	0.04	0.02	0.03	0.16	0.49	0.35	0.06	0.32	0.21	0.69	0.89	0.99	0.87	0.99	0.91	0.92	0.78
5	23	11	0.43	0.26	0.04	0.03	0.01	0.17	0.38	0.25	0.05	0.38	0.28	0.79	0.93	1.00	0.91	1.00	0.92	0.93	0.80
5	23	12	0.31	0.25	0.05	0.03	0.01	0.18	0.37	0.18	0.03	0.48	0.38	0.85	0.95	0.96	0.94	1.00	0.87	0.91	0.86
5	23	13	0.20	0.23	0.06	0.04	0.01	0.17	0.34	0.13	0.07	0.57	0.48	0.85	0.94	0.97	0.92	1.00	0.88	0.88	0.84
5	23	14	0.17	0.20	0.06	0.04	0.01	0.17	0.29	0.12	0.13	0.64	0.58	0.81	0.92	0.94	0.90	1.00	0.87	0.88	0.94
5	23	15	0.14	0.16	0.06	0.05	0.00	0.16	0.25	0.11	0.03	0.77	0.72	0.70	0.84	0.87	0.83	0.99	0.88	0.87	0.93
5	23	16	0.09	0.11	0.07	0.06	0.00	0.14	0.22	0.09	0.01	0.83	0.78	0.54	0.74	0.81	0.73	0.96	0.84	0.84	0.88
5	23	17	0.05	0.08	0.10	0.08	0.00	0.13	0.18	0.08	0.01	0.80	0.75	0.32	0.55	0.67	0.54	0.88	0.73	0.74	0.77
5	23	18	0.03	0.06	0.14	0.12	0.00	0.12	0.23	0.13	0.03	0.70	0.63	0.11	0.34	0.39	0.33	0.69	0.54	0.51	0.53
5	23	19	0.01	0.05	0.19	0.17	0.00	0.13	0.21	0.22	0.07	0.60	0.52	0.00	0.10	0.13	0.10	0.25	0.14	0.17	0.26
5	23	20	0.02	0.03	0.17	0.15	0.01	0.20	0.16	0.29	0.09	0.51	0.42	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	23	21	0.02	0.02	0.13	0.11	0.01	0.26	0.13	0.29	0.12	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	22	0.00	0.04	0.16	0.14	0.02	0.21	0.08	0.33	0.22	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	23	0.00	0.02	0.25	0.22	0.04	0.13	0.07	0.32	0.27	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	23	24	0.01	0.04	0.32	0.30	0.13	0.06	0.09	0.32	0.23	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	1	0.00	0.04	0.30	0.28	0.19	0.02	0.08	0.38	0.17	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	2	0.00	0.03	0.19	0.17	0.18	0.02	0.08	0.48	0.25	0.56	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	3	0.00	0.03	0.12	0.10	0.14	0.02	0.08	0.53	0.22	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	4	0.00	0.04	0.10	0.08	0.15	0.02	0.07	0.51	0.22	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	5	0.00	0.06	0.10	0.08	0.23	0.02	0.06	0.47	0.20	0.61	0.53	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
5	24	6	0.00	0.10	0.08	0.06	0.23	0.01	0.02	0.36	0.11	0.48	0.38	0.01	0.18	0.29	0.17	0.21	0.17	0.18	0.26
5	24	7	0.00	0.12	0.04	0.03	0.14	0.01	0.01	0.26	0.10	0.44	0.35	0.05	0.39	0.49	0.38	0.40	0.52	0.53	0.58
5	24	8	0.00	0.11	0.03	0.02	0.13	0.01	0.02	0.13	0.14	0.47	0.37	0.28	0.61	0.66	0.60	0.56	0.71	0.73	0.78
5	24	9	0.00	0.11	0.02	0.01	0.17	0.02	0.06	0.03	0.17	0.47	0.36	0.51	0.78	0.85	0.76	0.83	0.84	0.85	0.90
5	24	10	0.00	0.07	0.02	0.01	0.19	0.01	0.10	0.01	0.20	0.36	0.26	0.68	0.88	0.92	0.86	0.95	0.89	0.89	0.94
5	24	11	0.00	0.03	0.03	0.01	0.17	0.00	0.10	0.01	0.25	0.31	0.20	0.79	0.94	0.97	0.92	1.00	0.91	0.90	0.96
5	24	12	0.00	0.02	0.04	0.03	0.23	0.00	0.12	0.02	0.21	0.27	0.16	0.84	0.95	0.95	0.93	1.00	0.89	0.88	0.94
5	24	13	0.00	0.01	0.06	0.04	0.24	0.00	0.15	0.02	0.16	0.23	0.12	0.84	0.93	0.88	0.91	0.97	0.87	0.86	0.91
5	24	14	0.00	0.02	0.08	0.06	0.24	0.00	0.16	0.02	0.16	0.19	0.09	0.81	0.92	0.87	0.90	0.97	0.87	0.87	0.91
5	24	15	0.00	0.06	0.09	0.07	0.23	0.00	0.17	0.02	0.15	0.20	0.10	0.71	0.86	0.83	0.85	0.92	0.86	0.85	0.88
5	24	16	0.00	0.09	0.10	0.08	0.20	0.00	0.22	0.02	0.12	0.21	0.11	0.57	0.78	0.76	0.76	0.90	0.83	0.82	0.84
5	24	17	0.02	0.12	0.12	0.10	0.17	0.01	0.33	0.03	0.08	0.22	0.11	0.35	0.60	0.61	0.58	0.78	0.73	0.71	0.66
5	24	18	0.16	0.34	0.10	0.08	0.13	0.02	0.35	0.03	0.05	0.22	0.11	0.10	0.34	0.37	0.34	0.60	0.53	0.48	0.50
5	24	19	0.26	0.41	0.12	0.10	0.12	0.05	0.29	0.04	0.02	0.24	0.13	0.00	0.09	0.12	0.09	0.23	0.03	0.06	0.25
5	24	20	0.39	0.43	0.15	0.13	0.09	0.12	0.26	0.04	0.05	0.40	0.29	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	24	21	0.55	0.45	0.23	0.21	0.06	0.21	0.30	0.06	0.09	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	22	0.57	0.44	0.24	0.22	0.09	0.25	0.34	0.06	0.17	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	23	0.41	0.36	0.16	0.14	0.17	0.33	0.33	0.03	0.32	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	24	24	0.28	0.26	0.11	0.09	0.32	0.41	0.37	0.00	0.32	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	1	0.24	0.19	0.08	0.06	0.37	0.45	0.37	0.00	0.25	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	2	0.20	0.08	0.07	0.06	0.35	0.42	0.45	0.00	0.20	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	3	0.16	0.03	0.06	0.05	0.35	0.35	0.50	0.00	0.12	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	4	0.10	0.01	0.05	0.03	0.32	0.30	0.62	0.00	0.05	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	5	0.06	0.00	0.04	0.02	0.24	0.24	0.68	0.00	0.00	0.18	0.08	0.00	0.01	0.06	0.01	0.01	0.00	0.00	0.00
5	25	6	0.03	0.00	0.05	0.03	0.14	0.15	0.60	0.00	0.00	0.17	0.07	0.01	0.17	0.35	0.17	0.24	0.12	0.18	0.25
5	25	7	0.00	0.00	0.03	0.02	0.07	0.04	0.61	0.00	0.00	0.14	0.04	0.05	0.40	0.56	0.39	0.59	0.49	0.52	0.57
5	25	8	0.00	0.00	0.02	0.01	0.06	0.03	0.68	0.00	0.00	0.11	0.02	0.28	0.61	0.75	0.60	0.79	0.70	0.74	0.76
5	25	9	0.00	0.01	0.02	0.01	0.07	0.02	0.71	0.00	0.00	0.12	0.03	0.50	0.77	0.88	0.76	0.89	0.84	0.84	0.84
5	25	10	0.00	0.03	0.04	0.02	0.12	0.01	0.73	0.00	0.01	0.15	0.06	0.67	0.86	0.91	0.85	0.91	0.90	0.87	0.93
5	25	11	0.00	0.03	0.05	0.03	0.14	0.00	0.76	0.00	0.03	0.29	0.19	0.77	0.91	0.92	0.89	0.85	0.90	0.89	0.95
5	25	12	0.00	0.05	0.06	0.04	0.16	0.01	0.77	0.00	0.05	0.50	0.38	0.82	0.92	0.88	0.90	0.82	0.90	0.78	0.94
5	25	13	0.00	0.05	0.08	0.06	0.15	0.01	0.82	0.02	0.11	0.31	0.21	0.82	0.90	0.91	0.89	0.75	0.87	0.82	0.88
5	25	14	0.00	0.07	0.11	0.09	0.14	0.01	0.82	0.04	0.17	0.33	0.22	0.77	0.87	0.84	0.86	0.67	0.81	0.83	0.87
5	25	15	0.00	0.08	0.15	0.13	0.14	0.01	0.81	0.04	0.25	0.36	0.25	0.68	0.82	0.78	0.81	0.65	0.67	0.83	0.87
5	25	16	0.01	0.11	0.11	0.09	0.15	0.00	0.80	0.03	0.26	0.26	0.15	0.51	0.69	0.64	0.68	0.58	0.49	0.70	0.66
5	25	17	0.12	0.31	0.10	0.08	0.16	0.00	0.69	0.03	0.21	0.13	0.04	0.32	0.54	0.47	0.53	0.57	0.44	0.49	0.63
5	25	18	0.24	0.44	0.09	0.07	0.17	0.00	0.60	0.04	0.19	0.11	0.02	0.09	0.29	0.29	0.29	0.46	0.42	0.13	0.40
5	25	19	0.37	0.45	0.06	0.05	0.18	0.02	0.50	0.08	0.31	0.19	0.09	0.01	0.08	0.09	0.08	0.18	0.08	0.02	0.18
5	25	20	0.47	0.48	0.09	0.07	0.17	0.04	0.34	0.16	0.51	0.29	0.17	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	25	21	0.44	0.53	0.08	0.06	0.11	0.07	0.24	0.22	0.62	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	22	0.43	0.61	0.06	0.04	0.07	0.23	0.19	0.21	0.68	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	23	0.32	0.50	0.07	0.05	0.05	0.42	0.18	0.22	0.68	0.54	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	25	24	0.34	0.47	0.08	0.06	0.11	0.59	0.13	0.21	0.64	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	1	0.36	0.43	0.07	0.05	0.08	0.65	0.15	0.25	0.58	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	2	0.36	0.39	0.06	0.05	0.08	0.62	0.12	0.19	0.50	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	3	0.29	0.42	0.05	0.04	0.09	0.57	0.06	0.14	0.47	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	4	0.20	0.31	0.05	0.03	0.08	0.48	0.04	0.10	0.39	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	5	0.15	0.21	0.04	0.02	0.14	0.48	0.03	0.06	0.37	0.28	0.17	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00
5	26	6	0.10	0.17	0.03	0.01	0.08	0.49	0.01	0.04	0.29	0.24	0.13	0.01	0.16	0.29	0.16	0.28	0.13	0.18	0.22
5	26	7	0.04	0.05	0.02	0.01	0.03	0.46	0.01	0.02	0.12	0.23	0.12	0.05	0.38	0.51	0.37	0.63	0.43	0.52	0.56
5	26	8	0.03	0.02	0.01	0.00	0.02	0.52	0.01	0.02	0.09	0.28	0.17	0.27	0.60	0.70	0.58	0.84	0.65	0.74	0.78
5	26	9	0.05	0.02	0.02	0.01	0.02	0.53	0.01	0.06	0.05	0.28	0.16	0.49	0.74	0.83	0.73	0.93	0.82	0.85	0.88
5	26	10	0.04	0.04	0.03	0.02	0.01	0.41	0.03	0.12	0.03	0.18	0.08	0.66	0.85	0.93	0.83	0.99	0.92	0.90	0.93
5	26	11	0.03	0.06	0.04	0.03	0.02	0.22	0.08	0.21	0.03	0.11	0.02	0.77	0.91	0.92	0.89	0.96	0.93	0.91	0.95
5	26	12	0.03	0.08	0.06	0.04	0.03	0.11	0.13	0.28	0.06	0.07	0.01	0.83	0.93	0.90	0.91	0.95	0.92	0.89	0.94
5	26	13	0.06	0.08	0.08	0.06	0.04	0.06	0.17	0.32	0.11	0.19	0.09	0.83	0.92	0.86	0.90	0.96	0.89	0.87	0.92
5	26	14	0.08	0.09	0.11	0.09	0.04	0.05	0.25	0.34	0.14	0.50	0.38	0.79	0.90	0.82	0.89	0.93	0.87	0.87	0.92
5	26	15	0.14	0.10	0.14	0.12	0.04	0.07	0.24	0.30	0.17	0.28	0.18	0.71	0.87	0.75	0.85	0.91	0.88	0.86	0.91
5	26	16	0.23	0.23	0.19	0.16	0.05	0.12	0.24	0.27	0.19	0.40	0.27	0.56	0.77	0.65	0.75	0.89	0.84	0.82	0.85
5	26	17	0.35	0.45	0.22	0.20	0.06	0.18	0.30	0.26	0.22	0.18	0.08	0.35	0.61	0.53	0.59	0.78	0.74	0.71	0.72
5	26	18	0.58	0.48	0.24	0.22	0.06	0.26	0.25	0.29	0.23	0.05	0.00	0.11	0.35	0.35	0.34	0.56	0.53	0.51	0.50
5	26	19	0.78	0.54	0.25	0.22	0.09	0.50	0.15	0.37	0.37	0.09	0.01	0.00	0.10	0.11	0.10	0.15	0.10	0.23	0.26
5	26	20	0.83	0.61	0.30	0.27	0.11	0.82	0.21	0.48	0.65	0.16	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	26	21	0.81	0.60	0.36	0.34	0.09	0.86	0.22	0.54	0.76	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	22	0.59	0.56	0.38	0.35	0.09	0.85	0.21	0.50	0.77	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	23	0.45	0.54	0.35	0.33	0.07	0.83	0.19	0.48	0.66	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	26	24	0.39	0.49	0.29	0.27	0.09	0.78	0.20	0.45	0.55	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	1	0.34	0.46	0.30	0.28	0.09	0.71	0.16	0.42	0.49	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	2	0.30	0.46	0.27	0.25	0.11	0.80	0.19	0.38	0.42	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	3	0.30	0.44	0.26	0.24	0.10	0.84	0.23	0.31	0.33	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	4	0.26	0.43	0.29	0.27	0.09	0.87	0.27	0.22	0.23	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	5	0.23	0.42	0.30	0.28	0.09	0.85	0.30	0.12	0.17	0.15	0.05	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
5	27	6	0.17	0.41	0.30	0.28	0.07	0.80	0.23	0.10	0.11	0.14	0.04	0.01	0.16	0.40	0.16	0.18	0.14	0.20	0.25

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
			Solar												Geothermal	Biomass	Small Hydro
5	21	16	0.95	0.78	0.94	0.92	0.91	0.84	0.75	0.90	0.18	0.80	0.84	0.73	1.00	1.00	1.00
5	21	17	0.82	0.65	0.80	0.77	0.75	0.68	0.62	0.74	0.17	0.73	0.63	0.55	1.00	1.00	1.00
5	21	18	0.50	0.41	0.52	0.49	0.46	0.37	0.36	0.46	0.24	0.54	0.33	0.18	1.00	1.00	1.00
5	21	19	0.22	0.14	0.16	0.13	0.11	0.05	0.06	0.11	0.06	0.19	0.02	0.00	1.00	1.00	1.00
5	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	5	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.01	0.09	0.05	0.04	0.20	1.00	1.00	1.00
5	22	6	0.17	0.24	0.35	0.34	0.34	0.30	0.20	0.34	0.44	0.44	0.41	0.63	1.00	1.00	1.00
5	22	7	0.52	0.57	0.68	0.67	0.65	0.64	0.48	0.64	0.66	0.70	0.69	0.87	1.00	1.00	1.00
5	22	8	0.76	0.86	0.87	0.85	0.84	0.86	0.72	0.84	0.88	0.86	0.85	1.00	1.00	1.00	1.00
5	22	9	0.89	1.00	0.97	0.94	0.93	0.97	0.81	0.92	0.95	0.91	0.90	1.00	1.00	1.00	1.00
5	22	10	0.95	1.00	1.00	1.00	1.00	1.00	0.88	1.00	0.94	0.95	0.93	1.00	1.00	1.00	1.00
5	22	11	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.94	0.94	0.99	1.00	1.00	1.00	1.00
5	22	12	1.00	1.00	1.00	1.00	1.00	1.00	0.89	1.00	0.93	0.87	0.99	1.00	1.00	1.00	1.00
5	22	13	1.00	1.00	1.00	0.99	1.00	1.00	0.86	1.00	0.91	0.85	0.94	1.00	1.00	1.00	1.00
5	22	14	1.00	1.00	1.00	0.93	1.00	1.00	0.85	0.99	0.93	0.75	0.94	1.00	1.00	1.00	1.00
5	22	15	0.99	1.00	0.99	0.97	0.96	0.98	0.82	0.95	0.93	0.78	0.92	1.00	1.00	1.00	1.00
5	22	16	0.94	0.97	0.94	0.92	0.91	0.91	0.70	0.90	0.80	0.62	0.85	0.88	1.00	1.00	1.00
5	22	17	0.81	0.83	0.81	0.77	0.75	0.75	0.56	0.74	0.57	0.53	0.63	0.56	1.00	1.00	1.00
5	22	18	0.54	0.55	0.53	0.46	0.46	0.42	0.32	0.46	0.29	0.36	0.39	0.16	1.00	1.00	1.00
5	22	19	0.26	0.20	0.17	0.12	0.11	0.08	0.05	0.11	0.07	0.12	0.03	0.00	1.00	1.00	1.00
5	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	5	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.04	0.05	0.02	0.19	1.00	1.00	1.00
5	23	6	0.16	0.29	0.38	0.42	0.36	0.29	0.27	0.36	0.25	0.44	0.35	0.62	1.00	1.00	1.00
5	23	7	0.44	0.66	0.70	0.70	0.66	0.62	0.57	0.66	0.45	0.72	0.60	0.82	1.00	1.00	1.00
5	23	8	0.72	0.89	0.89	0.88	0.84	0.81	0.77	0.83	0.63	0.87	0.74	0.99	1.00	1.00	1.00
5	23	9	0.85	1.00	1.00	0.99	0.96	0.93	0.94	0.95	0.74	0.92	0.85	0.95	1.00	1.00	1.00
5	23	10	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	0.95	0.99	1.00	1.00	1.00	1.00
5	23	11	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.92	0.96	1.00	1.00	1.00	1.00
5	23	12	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.94	0.90	0.84	0.92	1.00	1.00	1.00
5	23	13	1.00	1.00	1.00	0.99	1.00	0.95	0.99	0.99	0.88	0.82	0.88	1.00	1.00	1.00	1.00
5	23	14	1.00	1.00	0.92	0.95	0.98	0.98	1.00	0.97	0.93	0.77	0.97	0.85	1.00	1.00	1.00
5	23	15	1.00	0.91	0.80	0.74	0.90	0.95	0.97	0.90	0.83	0.75	0.96	0.80	1.00	1.00	1.00
5	23	16	0.93	0.80	0.71	0.65	0.77	0.88	0.90	0.77	0.89	0.69	0.85	0.78	1.00	1.00	1.00
5	23	17	0.72	0.80	0.61	0.15	0.52	0.73	0.72	0.51	0.80	0.63	0.67	0.54	1.00	1.00	1.00
5	23	18	0.47	0.53	0.43	0.12	0.36	0.45	0.42	0.35	0.52	0.44	0.40	0.16	1.00	1.00	1.00
5	23	19	0.22	0.18	0.13	0.02	0.07	0.09	0.08	0.07	0.17	0.15	0.03	0.00	1.00	1.00	1.00
5	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	5	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.02	0.02	0.02	0.03	0.17	1.00	1.00	1.00
5	24	6	0.11	0.26	0.38	0.42	0.36	0.34	0.21	0.36	0.14	0.26	0.39	0.62	1.00	1.00	1.00
5	24	7	0.37	0.63	0.69	0.71	0.66	0.64	0.57	0.65	0.37	0.52	0.69	0.86	1.00	1.00	1.00
5	24	8	0.68	0.87	0.88	0.89	0.85	0.79	0.81	0.85	0.63	0.68	0.86	1.00	1.00	1.00	1.00
5	24	9	0.78	1.00	0.99	0.98	0.95	0.94	0.94	0.94	0.70	0.86	0.94	1.00	1.00	1.00	1.00
5	24	10	0.85	1.00	1.00	1.00	1.00	0.99	0.99	1.00	0.79	0.78	0.98	1.00	1.00	1.00	1.00
5	24	11	1.00	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.82	0.79	0.98	1.00	1.00	1.00	1.00
5	24	12	1.00	1.00	1.00	1.00	1.00	0.94	0.99	1.00	0.80	0.75	0.96	1.00	1.00	1.00	1.00
5	24	13	0.93	1.00	1.00	0.99	1.00	0.97	0.95	0.99	0.77	0.73	0.97	1.00	1.00	1.00	1.00
5	24	14	0.96	1.00	1.00	0.98	0.99	0.98	0.95	0.98	0.61	0.79	0.97	1.00	1.00	1.00	1.00
5	24	15	0.92	1.00	0.96	0.96	0.96	0.96	0.93	0.95	0.48	0.78	0.94	1.00	1.00	1.00	1.00
5	24	16	0.88	0.92	0.90	0.91	0.86	0.89	0.87	0.85	0.45	0.72	0.86	0.89	1.00	1.00	1.00
5	24	17	0.75	0.75	0.73	0.75	0.62	0.72	0.71	0.62	0.42	0.70	0.69	0.61	1.00	1.00	1.00
5	24	18	0.46	0.47	0.43	0.43	0.35	0.45	0.42	0.35	0.34	0.51	0.36	0.23	1.00	1.00	1.00
5	24	19	0.24	0.16	0.13	0.11	0.07	0.09	0.08	0.07	0.10	0.20	0.03	0.00	1.00	1.00	1.00
5	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	5	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.13	0.06	0.03	0.07	1.00	1.00	1.00
5	25	6	0.13	0.20	0.36	0.42	0.34	0.31	0.28	0.34	0.49	0.44	0.37	0.17	1.00	1.00	1.00
5	25	7	0.38	0.61	0.68	0.70	0.66	0.62	0.62	0.66	0.72	0.69	0.65	0.25	1.00	1.00	1.00
5	25	8	0.55	0.86	0.88	0.87	0.85	0.81	0.82	0.84	0.85	0.84	0.84	0.42	1.00	1.00	1.00
5	25	9	0.76	0.98	0.98	0.96	0.95	0.92	0.92	0.94	0.91	0.91	0.94	0.63	1.00	1.00	1.00
5	25	10	0.86	1.00	1.00	1.00	1.00	0.94	0.98	0.99	0.93	0.94	0.97	0.56	1.00	1.00	1.00
5	25	11	1.00	1.00	1.00	1.00	1.00	0.95	0.98	0.99	0.87	0.92	0.96	0.64	1.00	1.00	1.00
5	25	12	1.00	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.90	0.91	0.91	0.59	1.00	1.00	1.00
5	25	13	0.98	1.00	1.00	0.98	0.96	0.96	0.98	0.96	0.89	0.91	0.92	0.63	1.00	1.00	1.00
5	25	14	1.00	1.00	1.00	0.98	0.97	0.93	0.94	0.96	0.86	0.86	0.88	0.59	1.00	1.00	1.00
5	25	15	0.94	1.00	0.98	0.96	0.94	0.93	0.94	0.93	0.83	0.85	0.86	0.40	1.00	1.00	1.00
5	25	16	0.86	0.94	0.90	0.88	0.82	0.87	0.88	0.82	0.72	0.81	0.82	0.26	1.00	1.00	1.00
5	25	17	0.67	0.74	0.78	0.76	0.65	0.70	0.72	0.64	0.62	0.64	0.65	0.13	1.00	1.00	1.00
5	25	18	0.43	0.27	0.52	0.50	0.38	0.41	0.43	0.38	0.46	0.44	0.39	0.01	1.00	1.00	1.00
5	25	19	0.20	0.08	0.17	0.15	0.09	0.08	0.09	0.09	0.15	0.16	0.04	0.00	1.00	1.00	1.00
5	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
5	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	5	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.02	0.00	0.02	0.05	0.20	1.00	1.00	1.00
5	26	6	0.08	0.17	0.29	0.37	0.33	0.31	0.24	0.33	0.04	0.29	0.44	0.57	1.00	1.00	1.00
5	26	7	0.28	0.53	0.65	0.61	0.59	0.65	0.57	0.59	0.11	0.58	0.71	0.76	1.00	1.00	1.00
5	26	8	0.44	0.84	0.86	0.78	0.82	0.84	0.79	0.81	0.33	0.79	0.86	0.85	1.00	1.00	1.00
5	26	9	0.54	0.97	0.97	0.83	0.92	0.95	0.90	0.91	0.52	0.86	0.95	0.96	1.00	1.00	1.00
5	26	10	0.69	1.00	1.00	0.98	0.92	0.95	0.97	0.91	0.71	0.89	0.98	0.99	1.00	1.00	1.00
5	26	11	0.91	1.00	1.00	1.00	1.00	0.95	0.96	0.99	0.75	0.85	0.98	0.85	1.00	1.00	1.00
5	26	12	1.00	1.00	1.00	0.98	0.97	0.94	0.95	0.96	0.79	0.78	0.93	0.81	1.00	1.00	1.00
5	26	13	0.92	1.00	0.99	0.98	0.96	0.97	0.95	0.95	0.73	0.80	0.92	0.73	1.00	1.00	1.00
5	26	14	0.92	1.00	0.99	0.98	0.97	0.95	0.95	0.97	0.77	0.81	0.78	0.65	1.00	1.00	1.00
5	26	15	0.90	1.00	0.98	0.96	0.95	0.92	0.95	0.94	0.61	0.83	0.75	0.57	1.00	1.00	1.00
5	26	16	0.86	0.94	0.90	0.88	0.88	0.81	0.84	0.87	0.64	0.77	0.57	0.35	1.00	1.00	1.00
5	26	17	0.73	0.80	0.78	0.69	0.73	0.65	0.69	0.72	0.62	0.66	0.46	0.27	1.00	1.00	1.00
5	26	18	0.47	0.51	0.50	0.33	0.46	0.38	0.40	0.45	0.50	0.46	0.29	0.06	1.00	1.00	1.00
5	26	19	0.23	0.19	0.17	0.09	0.12	0.07	0.07	0.12	0.19	0.18	0.02	0.00	1.00	1.00	1.00
5	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
5	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	5	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.02	0.12	0.05	0.04	0.18	1.00	1.00	1.00
5	27	6	0.07	0.26	0.35	0.40	0.34	0.27	0.25	0.34	0.48	0.40	0.42	0.56	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
5	27	7	0.10	0.12	0.65	0.10	0.65	0.12	0.00	0.14	0.15	0.09	0.15	0.29
5	27	8	0.13	0.09	0.63	0.08	0.56	0.09	0.00	0.05	0.19	0.12	0.12	0.21
5	27	9	0.19	0.08	0.65	0.08	0.48	0.09	0.00	0.04	0.25	0.18	0.14	0.10
5	27	10	0.20	0.04	0.66	0.12	0.42	0.05	0.00	0.06	0.26	0.19	0.19	0.03
5	27	11	0.20	0.05	0.64	0.15	0.38	0.03	0.00	0.14	0.25	0.19	0.20	0.03
5	27	12	0.22	0.17	0.65	0.17	0.34	0.05	0.00	0.26	0.28	0.21	0.32	0.07
5	27	13	0.32	0.59	0.72	0.20	0.34	0.07	0.00	0.40	0.37	0.31	0.49	0.15
5	27	14	0.38	0.54	0.76	0.24	0.38	0.14	0.02	0.53	0.42	0.37	0.56	0.28
5	27	15	0.48	0.19	0.78	0.28	0.44	0.24	0.05	0.64	0.52	0.47	0.60	0.41
5	27	16	0.62	0.16	0.79	0.33	0.51	0.31	0.09	0.71	0.65	0.61	0.62	0.46
5	27	17	0.77	0.20	0.83	0.35	0.57	0.45	0.12	0.76	0.80	0.77	0.64	0.47
5	27	18	0.87	0.42	0.76	0.35	0.61	0.64	0.17	0.78	0.88	0.87	0.64	0.46
5	27	19	0.86	0.43	0.71	0.35	0.65	0.84	0.27	0.78	0.87	0.85	0.67	0.52
5	27	20	0.83	0.24	0.75	0.45	0.73	0.94	0.31	0.77	0.84	0.82	0.77	0.68
5	27	21	0.76	0.34	0.83	0.51	0.75	0.86	0.26	0.75	0.78	0.76	0.73	0.63
5	27	22	0.66	0.40	0.91	0.41	0.72	0.79	0.20	0.72	0.69	0.66	0.70	0.69
5	27	23	0.51	0.11	0.88	0.36	0.69	0.83	0.14	0.69	0.55	0.51	0.66	0.66
5	27	24	0.49	0.10	0.91	0.37	0.64	0.83	0.12	0.67	0.53	0.49	0.62	0.61
5	28	1	0.54	0.15	0.93	0.30	0.57	0.84	0.10	0.63	0.58	0.53	0.50	0.59
5	28	2	0.49	0.18	0.93	0.27	0.50	0.85	0.07	0.59	0.53	0.49	0.41	0.56
5	28	3	0.46	0.25	0.88	0.21	0.43	0.75	0.04	0.53	0.50	0.45	0.43	0.55
5	28	4	0.40	0.37	0.81	0.19	0.35	0.56	0.02	0.49	0.45	0.40	0.44	0.55
5	28	5	0.34	0.47	0.72	0.18	0.24	0.41	0.00	0.46	0.39	0.33	0.43	0.46
5	28	6	0.23	0.47	0.57	0.18	0.10	0.38	0.00	0.38	0.29	0.23	0.42	0.38
5	28	7	0.16	0.35	0.47	0.14	0.02	0.16	0.00	0.25	0.21	0.15	0.34	0.32
5	28	8	0.20	0.31	0.44	0.14	0.00	0.03	0.00	0.15	0.26	0.19	0.32	0.29
5	28	9	0.34	0.26	0.39	0.16	0.00	0.03	0.00	0.10	0.39	0.33	0.41	0.28
5	28	10	0.38	0.20	0.30	0.17	0.00	0.03	0.00	0.10	0.43	0.37	0.47	0.28
5	28	11	0.38	0.18	0.27	0.14	0.00	0.03	0.00	0.16	0.43	0.38	0.47	0.29
5	28	12	0.42	0.24	0.20	0.11	0.00	0.02	0.00	0.26	0.46	0.41	0.51	0.34
5	28	13	0.44	0.27	0.11	0.08	0.00	0.01	0.00	0.40	0.49	0.43	0.57	0.42
5	28	14	0.54	0.47	0.08	0.06	0.00	0.03	0.00	0.51	0.58	0.53	0.60	0.46
5	28	15	0.66	0.47	0.08	0.06	0.03	0.03	0.00	0.61	0.69	0.65	0.62	0.47
5	28	16	0.76	0.26	0.07	0.06	0.20	0.05	0.00	0.71	0.78	0.75	0.63	0.47
5	28	17	0.84	0.24	0.08	0.08	0.49	0.18	0.01	0.77	0.86	0.84	0.65	0.47
5	28	18	0.75	0.18	0.08	0.13	0.73	0.32	0.01	0.81	0.77	0.74	0.66	0.48
5	28	19	0.62	0.23	0.14	0.25	0.85	0.55	0.00	0.78	0.65	0.62	0.78	0.58
5	28	20	0.63	0.40	0.19	0.42	0.89	0.84	0.00	0.76	0.67	0.63	0.81	0.68
5	28	21	0.60	0.58	0.18	0.37	0.88	0.81	0.00	0.73	0.63	0.59	0.71	0.65
5	28	22	0.42	0.56	0.17	0.32	0.88	0.85	0.00	0.70	0.46	0.41	0.60	0.57
5	28	23	0.49	0.51	0.20	0.30	0.88	0.79	0.00	0.63	0.53	0.48	0.47	0.52
5	28	24	0.65	0.58	0.22	0.30	0.86	0.73	0.00	0.58	0.69	0.65	0.41	0.59
5	29	1	0.60	0.75	0.21	0.25	0.86	0.73	0.00	0.47	0.64	0.60	0.41	0.58
5	29	2	0.54	0.87	0.17	0.28	0.85	0.66	0.00	0.36	0.58	0.54	0.40	0.64
5	29	3	0.48	0.73	0.16	0.31	0.83	0.54	0.00	0.30	0.53	0.48	0.36	0.63
5	29	4	0.42	0.76	0.19	0.29	0.80	0.51	0.00	0.27	0.47	0.42	0.31	0.67
5	29	5	0.37	0.80	0.17	0.29	0.76	0.42	0.00	0.18	0.42	0.36	0.22	0.59
5	29	6	0.26	0.66	0.14	0.26	0.71	0.23	0.00	0.10	0.31	0.25	0.16	0.48
5	29	7	0.14	0.49	0.14	0.18	0.61	0.08	0.00	0.01	0.20	0.13	0.11	0.35
5	29	8	0.11	0.41	0.15	0.13	0.50	0.06	0.00	0.00	0.17	0.10	0.07	0.26
5	29	9	0.06	0.44	0.17	0.13	0.41	0.04	0.00	0.00	0.12	0.05	0.07	0.10
5	29	10	0.02	0.46	0.20	0.10	0.31	0.03	0.00	0.00	0.08	0.02	0.07	0.01
5	29	11	0.02	0.50	0.28	0.07	0.23	0.02	0.00	0.02	0.07	0.01	0.12	0.00
5	29	12	0.02	0.52	0.29	0.05	0.23	0.01	0.00	0.04	0.07	0.01	0.17	0.00
5	29	13	0.03	0.60	0.27	0.04	0.27	0.03	0.00	0.04	0.08	0.02	0.22	0.00
5	29	14	0.06	0.61	0.23	0.04	0.33	0.07	0.00	0.06	0.11	0.05	0.30	0.01
5	29	15	0.10	0.56	0.24	0.04	0.48	0.17	0.00	0.14	0.16	0.09	0.38	0.05
5	29	16	0.16	0.63	0.22	0.04	0.67	0.33	0.00	0.31	0.21	0.15	0.46	0.19
5	29	17	0.27	0.72	0.22	0.08	0.80	0.42	0.00	0.44	0.32	0.26	0.50	0.37
5	29	18	0.40	0.67	0.20	0.12	0.86	0.50	0.00	0.54	0.45	0.39	0.50	0.39
5	29	19	0.57	0.76	0.20	0.19	0.90	0.71	0.00	0.60	0.61	0.56	0.48	0.39
5	29	20	0.61	0.80	0.26	0.35	0.94	0.92	0.00	0.63	0.65	0.61	0.41	0.39
5	29	21	0.57	0.82	0.31	0.39	0.95	0.91	0.00	0.59	0.61	0.57	0.31	0.53
5	29	22	0.50	0.88	0.27	0.36	0.94	0.86	0.00	0.49	0.54	0.49	0.25	0.54
5	29	23	0.34	0.91	0.15	0.35	0.93	0.85	0.00	0.40	0.39	0.33	0.21	0.45
5	29	24	0.28	0.90	0.07	0.36	0.91	0.83	0.00	0.34	0.34	0.27	0.18	0.44
5	30	1	0.23	0.91	0.06	0.31	0.89	0.74	0.00	0.30	0.28	0.22	0.21	0.42
5	30	2	0.16	0.80	0.06	0.22	0.87	0.64	0.00	0.27	0.22	0.15	0.21	0.40
5	30	3	0.10	0.55	0.08	0.16	0.85	0.54	0.00	0.24	0.16	0.09	0.19	0.38
5	30	4	0.06	0.50	0.06	0.12	0.83	0.52	0.00	0.23	0.12	0.05	0.13	0.37
5	30	5	0.03	0.42	0.03	0.10	0.82	0.66	0.00	0.21	0.09	0.02	0.09	0.34
5	30	6	0.00	0.20	0.00	0.06	0.79	0.59	0.00	0.15	0.04	0.00	0.08	0.30
5	30	7	0.00	0.13	0.00	0.02	0.73	0.21	0.00	0.06	0.02	0.00	0.07	0.22
5	30	8	0.00	0.14	0.00	0.01	0.68	0.15	0.00	0.01	0.01	0.00	0.05	0.10
5	30	9	0.00	0.12	0.00	0.02	0.63	0.10	0.00	0.00	0.01	0.00	0.05	0.01
5	30	10	0.00	0.09	0.00	0.02	0.54	0.09	0.00	0.00	0.01	0.00	0.07	0.00
5	30	11	0.00	0.09	0.00	0.02	0.47	0.07	0.00	0.00	0.01	0.00	0.09	0.00
5	30	12	0.00	0.18	0.00	0.02	0.45	0.04	0.00	0.05	0.04	0.00	0.16	0.00
5	30	13	0.02	0.28	0.00	0.03	0.48	0.08	0.00	0.15	0.07	0.01	0.28	0.01
5	30	14	0.06	0.33	0.00	0.04	0.56	0.12	0.00	0.28	0.12	0.05	0.40	0.04
5	30	15	0.12	0.34	0.00	0.06	0.65	0.21	0.00	0.39	0.18	0.11	0.50	0.17
5	30	16	0.15	0.34	0.00	0.09	0.70	0.33	0.00	0.45	0.21	0.15	0.57	0.38
5	30	17	0.25	0.31	0.00	0.16	0.80	0.53	0.04	0.53	0.30	0.24	0.60	0.44
5	30	18	0.45	0.26	0.00	0.25	0.88	0.57	0.10	0.65	0.50	0.45	0.59	0.43
5	30	19	0.50	0.28	0.00	0.36	0.93	0.79	0.19	0.73	0.54	0.49	0.58	0.42
5	30	20	0.50	0.31	0.00	0.62	0.95	0.91	0.19	0.77	0.54	0.50	0.63	0.53
5	30	21	0.45	0.38	0.00	0.61	0.94	0.92	0.20	0.75	0.50	0.45	0.62	0.65
5	30	22	0.38	0.42	0.00	0.55	0.92	0.89	0.20	0.71	0.43	0.38	0.54	0.55
5	30	23	0.40	0.42	0.00	0.59	0.92	0.79	0.18	0.70	0.44	0.39	0.45	0.57
5	30	24	0.41	0.44	0.00	0.55	0.90	0.74	0.18	0.70	0.46	0.40	0.43	0.59
5	31	1	0.42	0.40	0.00	0.45	0.87	0.64	0.17	0.68	0.47	0.42	0.45	0.62
5	31	2	0.40	0.29	0.00	0.32	0.86	0.79	0.18	0.68	0.45	0.39	0.42	0.67
5	31	3	0.38	0.25	0.00	0.26	0.85	0.62	0.17	0.69	0.43	0.37	0.40	0.73
5	31	4	0.34	0.16	0.00	0.19	0.84	0.61	0.16	0.66	0.39	0.33	0.36	0.68
5	31	5	0.28	0.13	0.00	0.13	0.83	0.62	0.13	0.56	0.34	0.27	0.30	0.60
5	31	6	0.19	0.09	0.00	0.08	0.81	0.50	0.10	0.44	0.25	0.18	0.18	0.56
5	31	7	0.06	0.07	0.00	0.02	0.77	0.15	0.08	0.30	0.11	0.05	0.08	0.45
5	31	8	0.00	0.07	0.00	0.01	0.73	0.11	0.07	0.15	0.04	0.00	0.05	0.30
5	31	9	0.00	0.08	0.00	0.01	0.66	0.09	0.06	0.03	0.01	0.00	0.06	0.11
5	31	10	0.00	0.08	0.00	0.01	0.53	0.09	0.05	0.00	0.00	0.00	0.08	0.02
5	31	11	0.00	0.11	0.00	0.01	0.40	0.10	0.07	0.00	0.00	0.00	0.11	0.02
5	31	12	0.00	0.21	0.00	0.01	0.32	0.10	0.08	0.00	0.00	0.00	0.17	0.04
5	31	13	0.00	0.31	0.00	0.12	0.30	0.12	0.12	0.04	0.03	0.00	0.28	0.11
5	31	14	0.06	0.36	0.00	0.34	0.35	0.15	0.14	0.16	0.12	0.05	0.38	0.25
5	31	15	0.18	0.45	0.00	0.38	0.45	0.19	0.17	0.32	0.23	0.17	0.46	0.42
5	31	16	0.33	0.49	0.00	0.33	0.52	0.21	0.22	0.51	0.38	0.32	0.49	0.49
5	31	17	0.34	0.62	0.00	0.37	0.59	0.22	0.26	0.61	0.39	0.33	0.48	0.46
5	31	18	0.37	0.49	0.00	0.29	0.74	0.26	0.29	0.71	0.41	0.36	0.47	0.46
5	31	19	0.51	0.59	0.03	0.30	0.86	0.40	0.34	0.76	0.55	0.51	0.48	0.49
5	31	20	0.59	0.65	0.07	0.45	0.92	0.73	0.36	0.76	0.63	0.58	0.53	0.62
5	31	21	0.56	0.54	0.07	0.43	0.92	0.79	0.37	0.70	0.60	0.55	0.52	0.73
5	31	22	0.50	0.67	0.07	0.44	0.91	0.73	0.34	0.66	0.54	0.50	0.40	0.68
5	31	23	0.41	0.66	0.08	0.38	0.90	0.71	0.31	0.60	0.45	0.40	0.37	0.66
5	31	24	0.37	0.64	0.08	0.31	0.88	0.64	0.29	0.55	0.42	0.36	0.37	0.72
6	1	1	0.30	0.55	0.09	0.28	0.85	0.64	0.28	0.49	0.36	0.29	0.34	0.70
6	1	2	0.24	0.36	0.06	0.19	0.80	0.69	0.25	0.43	0.30	0.23	0.24	0.64
6	1	3	0.17	0.26	0.04	0.17	0.75	0.77	0.18	0.37	0.22	0.16	0.15	0.58
6	1	4	0.09	0.24	0.01	0.12	0.73	0.83	0.15	0.29	0.15	0.08	0.13	0.54
6	1	5	0.06	0.20	0.00	0.09	0.71	0.77	0.13	0.24	0.11	0.05	0.09	0.49
6	1	6	0.03	0.11	0.00	0.06	0.67	0.53	0.10	0.19	0.09	0.02	0.06	0.45
6	1	7	0.00	0.06	0.00	0.01	0.56	0.12	0.07	0.08	0.03	0.00	0.03	0.37
6	1	8	0.00	0.04	0.00	0.01	0.46	0.04	0.03	0.01	0.01	0.00	0.02	0.20
6	1	9	0.00	0.07	0.00	0.01	0.36	0.03	0.00	0.00	0.00	0.00	0.03	0.02
6	1	10	0.00	0.11	0.00	0.01	0.25	0.03	0.01	0.00	0.00	0.00	0.05	0.00
6	1	11	0.00	0.18	0.00	0.01	0.15	0.03	0.01	0.00	0.00	0.00	0.05	0.00
6	1	12	0.00	0.22	0.00	0.03	0.14	0.04	0.02	0.00	0.03	0.00	0.08	0.00
6	1	13	0.02	0.27	0.00	0.06	0.22	0.06	0.04	0.00	0.07	0.01	0.14	0.00
6	1	14	0.04	0.36	0.00	0.15	0.31	0.09	0.04	0.05	0.10	0.03	0.23	0.01
6	1	15	0.07	0.40	0.00	0.25	0.40	0.13	0.05	0.12	0.13	0.06	0.36	0.10
6	1	16	0.11	0.40	0.00	0.39	0.52	0.17	0.06	0.23	0.17	0.10	0.48	0.27
6	1	17	0.20	0.44	0.00	0.35	0.64	0.27	0.07	0.33	0.25	0.19	0.54	0.39
6	1	18	0.36	0.44	0.00	0.30	0.75	0.38	0.10	0.39	0.41	0.35	0.56	0.40
6	1	19	0.42	0.52	0.00	0.37	0.85	0.63	0.14	0.48	0.47	0.42	0.54	0.40
6	1	20	0.41	0.55	0.00	0.41	0.91	0.87	0.15	0.54	0.46	0.40	0.47	0.42
6	1	21	0.34	0.40	0.02	0.40	0.91	0.84	0.18	0.52	0.39	0.33	0.45	0.59

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx_	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx_	BTM_Distrib	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
5	27	7	0.10	0.36	0.30	0.28	0.07	0.71	0.17	0.05	0.03	0.12	0.03	0.05	0.38	0.65	0.37	0.45	0.40	0.54	0.58
5	27	8	0.14	0.29	0.32	0.29	0.16	0.77	0.17	0.07	0.01	0.09	0.01	0.27	0.59	0.83	0.58	0.69	0.63	0.75	0.79
5	27	9	0.20	0.17	0.39	0.37	0.17	0.80	0.17	0.17	0.00	0.08	0.00	0.50	0.77	0.93	0.75	0.87	0.78	0.87	0.90
5	27	10	0.21	0.10	0.47	0.45	0.16	0.74	0.19	0.33	0.00	0.04	0.00	0.68	0.88	0.94	0.86	0.97	0.94	0.92	0.96
5	27	11	0.20	0.10	0.50	0.48	0.27	0.61	0.19	0.49	0.00	0.04	0.00	0.79	0.93	0.96	0.92	0.97	0.95	0.93	0.96
5	27	12	0.23	0.14	0.54	0.52	0.41	0.50	0.16	0.58	0.03	0.17	0.08	0.84	0.94	0.91	0.93	0.95	0.93	0.91	0.95
5	27	13	0.33	0.22	0.62	0.60	0.43	0.47	0.17	0.64	0.07	0.59	0.48	0.85	0.94	0.83	0.92	0.96	0.91	0.89	0.93
5	27	14	0.38	0.35	0.69	0.68	0.42	0.49	0.16	0.64	0.12	0.54	0.43	0.81	0.92	0.81	0.91	0.97	0.90	0.89	0.94
5	27	15	0.48	0.48	0.75	0.74	0.49	0.55	0.12	0.64	0.13	0.19	0.10	0.73	0.88	0.78	0.86	0.97	0.89	0.88	0.93
5	27	16	0.63	0.52	0.81	0.80	0.51	0.65	0.18	0.66	0.17	0.16	0.07	0.58	0.79	0.65	0.77	0.86	0.86	0.84	0.88
5	27	17	0.78	0.52	0.84	0.83	0.42	0.74	0.15	0.67	0.22	0.20	0.11	0.35	0.61	0.54	0.60	0.72	0.76	0.73	0.77
5	27	18	0.87	0.52	0.85	0.84	0.34	0.81	0.15	0.69	0.34	0.42	0.31	0.11	0.36	0.34	0.35	0.51	0.56	0.51	0.55
5	27	19	0.86	0.56	0.85	0.84	0.42	0.85	0.20	0.67	0.62	0.43	0.31	0.01	0.10	0.12	0.10	0.15	0.13	0.07	0.25
5	27	20	0.83	0.72	0.81	0.80	0.44	0.87	0.28	0.72	0.82	0.24	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	27	21	0.76	0.67	0.79	0.78	0.59	0.85	0.40	0.74	0.80	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	22	0.67	0.73	0.79	0.78	0.69	0.86	0.40	0.63	0.75	0.40	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	23	0.52	0.69	0.72	0.70	0.83	0.90	0.45	0.48	0.67	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	27	24	0.50	0.65	0.69	0.68	0.91	0.92	0.48	0.39	0.65	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	1	0.55	0.64	0.65	0.64	0.86	0.95	0.48	0.39	0.58	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	2	0.50	0.60	0.61	0.59	0.78	0.95	0.43	0.35	0.46	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	3	0.47	0.59	0.54	0.52	0.68	0.93	0.44	0.32	0.37	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	4	0.41	0.60	0.50	0.48	0.57	0.90	0.52	0.31	0.30	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	5	0.35	0.51	0.40	0.38	0.47	0.86	0.47	0.31	0.29	0.47	0.37	0.00	0.01	0.07	0.01	0.01	0.00	0.00	0.01
5	28	6	0.24	0.44	0.24	0.22	0.34	0.78	0.36	0.30	0.25	0.47	0.36	0.01	0.18	0.40	0.17	0.30	0.15	0.19	0.28
5	28	7	0.17	0.39	0.14	0.12	0.25	0.73	0.32	0.27	0.15	0.35	0.24	0.05	0.40	0.63	0.39	0.63	0.47	0.53	0.60
5	28	8	0.21	0.36	0.09	0.07	0.22	0.82	0.37	0.34	0.18	0.31	0.20	0.28	0.62	0.82	0.61	0.84	0.76	0.75	0.79
5	28	9	0.35	0.34	0.05	0.03	0.20	0.84	0.34	0.46	0.17	0.26	0.15	0.50	0.77	0.91	0.76	0.93	0.89	0.86	0.90
5	28	10	0.39	0.35	0.03	0.02	0.22	0.84	0.31	0.54	0.17	0.20	0.10	0.68	0.88	0.96	0.86	1.00	0.94	0.92	0.96
5	28	11	0.39	0.36	0.03	0.02	0.24	0.81	0.41	0.53	0.22	0.18	0.08	0.78	0.92	0.94	0.90	1.00	0.94	0.93	0.97
5	28	12	0.42	0.41	0.03	0.02	0.28	0.81	0.50	0.58	0.31	0.24	0.13	0.83	0.93	0.90	0.92	1.00	0.92	0.91	0.96
5	28	13	0.45	0.48	0.03	0.02	0.34	0.83	0.55	0.62	0.37	0.27	0.16	0.84	0.93	0.89	0.91	0.99	0.89	0.89	0.93
5	28	14	0.55	0.52	0.04	0.02	0.40	0.87	0.52	0.62	0.46	0.47	0.36	0.80	0.91	0.85	0.90	0.98	0.88	0.88	0.93
5	28	15	0.66	0.53	0.04	0.03	0.43	0.93	0.60	0.64	0.59	0.47	0.36	0.72	0.87	0.79	0.86	0.97	0.88	0.88	0.92
5	28	16	0.76	0.53	0.05	0.04	0.50	0.88	0.47	0.66	0.67	0.26	0.16	0.58	0.79	0.70	0.77	0.93	0.84	0.84	0.88
5	28	17	0.84	0.52	0.05	0.04	0.57	0.55	0.58	0.71	0.73	0.24	0.13	0.36	0.62	0.59	0.61	0.81	0.74	0.74	0.76
5	28	18	0.75	0.53	0.06	0.04	0.64	0.28	0.30	0.76	0.73	0.18	0.08	0.11	0.37	0.36	0.36	0.60	0.54	0.53	0.52
5	28	19	0.63	0.62	0.07	0.05	0.56	0.29	0.15	0.70	0.77	0.23	0.12	0.01	0.11	0.13	0.11	0.21	0.15	0.15	0.23
5	28	20	0.64	0.73	0.10	0.08	0.43	0.30	0.14	0.74	0.90	0.40	0.29	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	28	21	0.60	0.69	0.10	0.08	0.41	0.17	0.24	0.72	0.94	0.58	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	22	0.43	0.62	0.11	0.09	0.33	0.05	0.36	0.63	0.93	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	23	0.50	0.57	0.15	0.12	0.29	0.12	0.46	0.49	0.90	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	28	24	0.66	0.64	0.16	0.14	0.40	0.35	0.51	0.41	0.89	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	1	0.61	0.62	0.17	0.15	0.39	0.47	0.49	0.26	0.89	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	2	0.55	0.68	0.22	0.19	0.39	0.45	0.54	0.25	0.87	0.87	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	3	0.49	0.67	0.22	0.20	0.47	0.41	0.52	0.31	0.80	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	4	0.43	0.71	0.21	0.18	0.44	0.35	0.39	0.32	0.68	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	5	0.38	0.63	0.20	0.18	0.35	0.32	0.39	0.34	0.64	0.80	0.74	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01
5	29	6	0.26	0.54	0.19	0.17	0.19	0.17	0.33	0.31	0.54	0.66	0.59	0.01	0.19	0.45	0.18	0.33	0.15	0.20	0.27
5	29	7	0.15	0.41	0.13	0.11	0.08	0.11	0.23	0.24	0.42	0.49	0.40	0.05	0.40	0.69	0.39	0.65	0.45	0.54	0.60
5	29	8	0.12	0.34	0.12	0.10	0.04	0.13	0.18	0.17	0.53	0.41	0.31	0.28	0.62	0.86	0.61	0.84	0.67	0.75	0.80
5	29	9	0.07	0.18	0.13	0.11	0.02	0.11	0.17	0.12	0.59	0.44	0.34	0.50	0.77	0.96	0.76	0.96	0.86	0.86	0.90
5	29	10	0.03	0.06	0.13	0.11	0.01	0.09	0.17	0.10	0.57	0.46	0.36	0.66	0.86	1.00	0.84	0.99	0.93	0.91	0.95
5	29	11	0.03	0.05	0.12	0.10	0.01	0.07	0.15	0.09	0.49	0.50	0.40	0.76	0.90	1.00	0.88	1.00	0.93	0.92	0.95
5	29	12	0.03	0.07	0.13	0.11	0.01	0.07	0.18	0.09	0.44	0.52	0.43	0.82	0.92	1.00	0.90	1.00	0.92	0.90	0.94
5	29	13	0.04	0.06	0.13	0.11	0.01	0.07	0.11	0.09	0.46	0.60	0.51	0.84	0.93	1.00	0.91	0.98	0.89	0.87	0.92
5	29	14	0.07	0.07	0.13	0.11	0.01	0.05	0.10	0.10	0.50	0.61	0.53	0.81	0.92	0.99	0.90	0.98	0.88	0.87	0.93
5	29	15	0.11	0.11	0.13	0.11	0.02	0.06	0.12	0.09	0.50	0.56	0.48	0.72	0.88	0.95	0.86	0.97	0.88	0.87	0.92
5	29	16	0.17	0.27	0.14	0.11	0.02	0.08	0.16	0.08	0.53	0.63	0.56	0.58	0.79	0.88	0.77	0.94	0.84	0.83	0.88
5	29	17	0.28	0.44	0.15	0.12	0.03	0.11	0.18	0.08	0.55	0.72	0.65	0.37	0.63	0.72	0.62	0.85	0.74	0.71	0.76
5	29	18	0.41	0.45	0.16	0.14	0.04	0.17	0.25	0.11	0.56	0.67	0.61	0.12	0.37	0.43	0.37	0.69	0.56	0.50	0.53
5	29	19	0.58	0.45	0.18	0.16	0.06	0.31	0.35	0.19	0.62	0.76	0.71	0.01	0.11	0.11	0.11	0.28	0.07	0.09	0.26
5	29	20	0.62	0.45	0.22	0.20	0.07	0.46	0.20	0.26	0.80	0.80	0.75	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
5	29	21	0.58	0.58	0.20	0.18	0.05	0.42	0.16	0.25	0.88	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	22	0.51	0.60	0.18	0.16	0.03	0.28	0.14	0.18	0.84	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	23	0.35	0.51	0.17	0.15	0.01	0.14	0.13	0.14	0.69	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	29	24	0.29	0.50	0.14	0.12	0.00	0.06	0.13	0.11	0.48	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	1	0.24	0.48	0.12	0.10	0.00	0.03	0.09	0.08	0.23	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	2	0.17	0.46	0.10	0.08	0.00	0.04	0.09	0.04	0.10	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	3	0.11	0.44	0.08	0.06	0.00	0.03	0.12	0.02	0.07	0.55	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	4	0.07	0.43	0.07	0.06	0.00	0.03	0.13	0.03	0.04	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	5	0.04	0.41	0.07	0.05	0.00	0.02	0.11	0.03	0.01	0.42	0.31	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01
5	30	6	0.00	0.37	0.06	0.04	0.00	0.02	0.09	0.01	0.01	0.20	0.10	0.01	0.18	0.45	0.18	0.33	0.15	0.20	0.27
5	30	7	0.00	0.29	0.05	0.03	0.00	0.00	0.13	0.00	0.00	0.13	0.04	0.05	0.40	0.69	0.39	0.66	0.47	0.54	0.59
5	30	8	0.00	0.17	0.03	0.02	0.00	0.00	0.17	0.00	0.02	0.14	0.04	0.28	0.61	0.86	0.60	0.85	0.71	0.75	0.77
5	30	9	0.00	0.06	0.03	0.01	0.00	0.01	0.22	0.00	0.03	0.12	0.03	0.50	0.76	0.96	0.75	0.94	0.83	0.86	0.89
5	30	10	0.00	0.03	0.02	0.01	0.00	0.01	0.25	0.00	0.03	0.09	0.01	0.67	0.86	1.00	0.85	0.99	0.93	0.89	0.93
5	30	11	0.00	0.05	0.03	0.02	0.00	0.00	0.27	0.00	0.03	0.09	0.01	0.78	0.92	1.00	0.91	1.00	0.94	0.90	0.96
5	30	12	0.00	0.06	0.03	0.02	0.00	0.00	0.33	0.02	0.03	0.18	0.07	0.83	0.93	1.00	0.91	0.99	0.92	0.84	0.94
5	30	13	0.03	0.07	0.03	0.02	0.01	0.00	0.39	0.04	0.03	0.28	0.16	0.83	0.91	0.99	0.90	0.97	0.86	0.87	0.88
5	30	14	0.07	0.11	0.03	0.02	0.01	0.00	0.36	0.06	0.02	0.33	0.22	0.79	0.90	0.98	0.89	0.96	0.88	0.87	0.84
5	30	15	0.13	0.24	0.03	0.02	0.02	0.01	0.39	0.08	0.00	0.34	0.23	0.71	0.86	0.95	0.85	0.92	0.87	0.86	0.85
5	30	16	0.16	0.45	0.04	0.02	0.04	0.01	0.41	0.12	0.02	0.34	0.23	0.56	0.76	0.87	0.75	0.92	0.73	0.75	0.77
5	30	17	0.25	0.50	0.04	0.03	0.05	0.01	0.22	0.16	0.06	0.31	0.20	0.36	0.61	0.70	0.60	0.77	0.63	0.67	0.69
5	30	18	0.46	0.48	0.04	0.03	0.08	0.01	0.24	0.23	0.12	0.26	0.15	0.12	0.37	0.43	0.36	0.65	0.46	0.44	0.47
5	30	19	0.50	0.48	0.06	0.04	0.11	0.04	0.12	0.32	0.44	0.28	0.17	0.01	0.10	0.11	0.10	0.21	0.09	0.07	0.20
5	30	20	0.51	0.58	0.07	0.05	0.15	0.09	0.08	0.40	0.83	0.31	0.20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
5	30	21	0.46	0.70	0.06	0.04	0.17	0.08	0.15	0.44	0.85	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	22	0.39	0.60	0.09	0.07	0.10	0.04	0.14	0.43	0.79	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	23	0.40	0.61	0.11	0.09	0.07	0.02	0.11	0.42	0.69	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	30	24	0.42	0.63	0.12	0.09	0.08	0.02	0.17	0.32	0.63	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	1	0.43	0.66	0.09	0.07	0.08	0.01	0.15	0.23	0.59	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	2	0.41	0.71	0.07	0.06	0.07	0.00	0.23	0.10	0.52	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	3	0.39	0.76	0.05	0.04	0.08	0.00	0.21	0.04	0.44	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	4	0.34	0.72	0.03	0.02	0.11	0.00	0.32	0.01	0.37	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	5	0.29	0.64	0.02	0.01	0.13	0.00	0.33	0.00	0.29	0.13	0.03	0.00	0.01	0.09	0.01	0.02	0.00	0.00	0.01
5	31	6	0.20	0.61	0.02	0.01	0.10	0.00	0.34	0.00	0.20	0.09	0.01	0.01	0.18	0.41	0.18	0.31	0.13	0.17	0.27
5	31	7	0.07	0.51	0.02	0.01	0.06	0.00	0.49	0.00	0.10	0.07	0.00	0.05	0.40	0.64	0.39	0.65	0.49	0.52	0.59
5	31	8	0.00	0.37	0.01	0.00	0.07	0.00	0.53	0.00	0.06	0.07	0.00	0.28	0.62	0.80	0.60	0.84	0.74	0.74	0.78
5	31	9	0.00	0.18	0.01	0.00	0.08	0.00	0.63	0.00	0.02	0.08	0.00	0.51	0.79	0.91	0.77	0.94	0.84	0.86	0.89
5	31	10	0.00	0.09	0.02	0.01	0.06	0.00	0.77	0.00	0.00	0.08	0.01	0.68	0.88	0.97	0.87	0.99	0.87	0.91	0.94
5	31	11	0.00	0.08	0.02	0.01	0.05	0.01	0.88	0.00	0.00	0.11	0.02	0.79	0.93	0.96	0.91	0.99	0.94	0.93	0.93
5	31	12	0.00	0.10	0.02	0.01	0.05	0.03	0.84	0.00	0.00	0.21	0.10	0.83	0.93	0.95	0.92	0.97	0.92	0.91	0.89
5	31	13	0.00	0.18	0.02	0.01	0.07	0.06	0.82	0.00	0.04	0.31	0.20	0.84	0.93	0.92	0.91	0.95	0.90	0.88	0.91
5	31	14	0.07	0.32	0.03	0.02	0.12	0.11	0.86	0.02	0.04	0.36	0.26	0.79	0.90	0.88	0.88	0.87	0.89	0.87	0.85
5	31	15	0.19	0.48	0.04	0.02	0.19	0.15	0.84	0.03	0.09	0.45	0.34	0.70	0.85	0.80	0.83	0.64	0.88	0.87	0.88
5	31	16	0.34	0.55	0.09	0.07	0.25	0.19	0.85	0.04	0.04	0.49	0.40	0.55	0.75	0.74	0.74	0.61	0.83	0.82	0.85
5	31	17	0.35	0.52	0.14	0.12	0.33	0.20	0.64	0.08	0.03	0.62	0.53	0.35	0.60	0.63	0.59	0.58	0.73	0.72	0.69
5	31	18	0.38	0.52	0.19	0.17	0.36	0.25	0.54	0.12	0.10	0.49	0.41	0.11	0.36	0.40	0.35	0.41	0.53	0.50	0.49
5	31	19	0.52	0.54	0.21	0.18	0.37	0.36	0.47	0.16	0.19	0.59	0.51	0.01	0.11	0.13	0.11	0.20	0.17	0.08	0.21
5	31	20	0.59	0.66	0.31	0.29	0.41	0.37	0.36	0.21	0.23	0.65	0.57	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
5	31	21	0.57	0.76	0.30	0.28	0.34	0.20	0.28	0.26	0.56	0.54	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	22	0.51	0.71	0.23	0.21	0.36	0.08	0.29	0.30	0.84	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	23	0.42	0.70	0.14	0.12	0.46	0.06	0.31	0.23	0.85	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	31	24	0.37	0.75	0.05	0.03	0.44	0.08	0.36	0.14	0.81	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	1	0.31	0.74	0.03	0.02	0.38	0.09	0.43	0.05	0.78	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	2	0.25	0.68	0.06	0.04	0.36	0.05	0.50	0.01	0.71	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	3	0.18	0.62	0.05	0.03	0.29	0.01	0.52	0.00	0.65	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	4	0.10	0.59	0.02	0.01	0.27	0.00	0.51	0.00	0.56	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	5	0.07	0.54	0.03	0.01	0.24	0.00	0.47	0.00	0.39	0.20	0.09	0.00	0.01	0.08	0.01	0.01	0.00	0.00	0.00
6	1	6	0.04	0.51	0.02	0.01	0.17	0.00	0.45	0.00	0.16	0.11	0.03	0.01	0.16	0.36	0.16	0.29	0.15	0.17	0.20
6	1	7	0.00	0.44	0.02	0.01	0.09	0.00	0.43	0.00	0.02	0.05	0.00	0.05	0.36	0.60	0.36	0.62	0.43	0.47	0.47
6	1	8	0.00	0.28	0.01	0.00	0.06	0.00	0.40	0.00	0.02	0.04	0.00	0.26	0.57	0.81	0.56	0.82	0.63	0.64	0.65
6	1	9	0.00	0.08	0.02	0.01	0.04	0.00	0.38	0.00	0.02	0.07	0.00	0.47	0.71	0.90	0.70	0.92	0.73	0.69	0.70
6	1	10	0.00	0.02	0.02	0.01	0.03	0.01	0.39	0.00	0.01	0.11	0.03	0.61	0.79	0.96	0.77	0.96	0.69	0.72	0.73
6	1	11	0.00	0.02	0.03	0.02	0.02	0.02	0.44	0.00	0.03	0.18	0.07	0.67	0.79	0.95	0.78	0.97	0.66	0.71	0.79
6	1	12	0.00	0.04	0.04	0.02	0.02	0.02	0.46	0.00	0.01	0.22	0.11	0.68	0.77	0.93	0.75	0.95	0.76	0.72	0.72
6	1	13	0.02	0.06	0.11	0.09	0.03	0.03	0.49	0.00	0.01	0.27	0.16	0.66	0.72	0.90	0.71	0.81	0.84	0.67	0.68
6	1	14	0.05	0.08	0.23	0.21	0.04	0.03	0.50	0.02	0.02	0.36	0.25	0.58	0.66	0.80	0.65	0.62	0.75	0.73	0.67
6	1	15	0.08	0.17	0.27	0.24	0.06	0.03	0.46	0.04	0.02	0.40	0.29	0.50	0.60	0.71	0.59	0.58	0.76	0.76	0.50
6	1	16	0.12	0.34	0.25	0.23	0.05	0.02	0.44	0.09	0.02	0.40	0.30	0.35	0.47	0.60	0.46	0.52	0.79	0.60	0.50
6	1	17	0.21	0.46	0.28	0.25	0.03	0.02	0.40	0.16	0.01	0.44	0.34	0.21	0.35	0.44	0.34	0.46	0.73	0.53	0.41
6	1	18	0.37	0.46	0.25	0.23	0.03	0.02	0.33	0.19	0.00	0.44	0.34	0.07	0.20	0.29	0.19	0.34	0.56	0.35	0.27
6	1	19	0.43	0.46	0.33	0.30	0.04	0.04	0.24	0.24	0.02	0.52	0.43	0.01	0.05	0.07	0.05	0.14	0.17	0.03	0.08
6	1	20	0.42	0.48	0.32	0.29	0.06	0.05	0.16	0.41	0.15	0.55	0.45	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
6	1	21	0.35	0.64	0.25	0.23	0.09	0.04	0.12	0.38	0.55	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
5	27	7	0.25	0.64	0.67	0.69	0.64	0.59	0.60	0.63	0.70	0.66	0.68	0.86	1.00	1.00	1.00
5	27	8	0.34	0.88	0.87	0.85	0.83	0.83	0.81	0.83	0.83	0.82	0.85	1.00	1.00	1.00	1.00
5	27	9	0.64	1.00	0.98	0.96	0.94	0.95	0.96	0.93	0.89	0.90	0.95	1.00	1.00	1.00	1.00
5	27	10	0.81	1.00	1.00	1.00	0.99	0.99	1.00	0.98	0.91	0.93	0.99	0.85	1.00	1.00	1.00
5	27	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.90	0.92	0.98	0.91	1.00	1.00	1.00
5	27	12	1.00	1.00	1.00	0.98	0.98	0.99	0.97	0.98	0.88	0.90	0.93	0.68	1.00	1.00	1.00
5	27	13	1.00	1.00	0.99	0.98	0.97	0.96	0.96	0.96	0.79	0.89	0.93	0.40	1.00	1.00	1.00
5	27	14	0.99	1.00	1.00	0.98	0.98	0.96	0.97	0.97	0.80	0.87	0.95	0.34	1.00	1.00	1.00
5	27	15	0.92	1.00	0.98	0.96	0.95	0.94	0.95	0.94	0.86	0.82	0.93	0.27	1.00	1.00	1.00
5	27	16	0.87	0.95	0.92	0.90	0.88	0.86	0.88	0.87	0.83	0.71	0.83	0.09	1.00	1.00	1.00
5	27	17	0.62	0.81	0.76	0.78	0.72	0.71	0.69	0.72	0.73	0.66	0.66	0.05	1.00	1.00	1.00
5	27	18	0.39	0.52	0.51	0.50	0.47	0.42	0.39	0.46	0.51	0.46	0.38	0.01	1.00	1.00	1.00
5	27	19	0.17	0.19	0.17	0.15	0.13	0.10	0.07	0.13	0.20	0.18	0.04	0.00	1.00	1.00	1.00
5	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
5	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	5	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.10	0.05	0.05	0.17	1.00	1.00	1.00
5	28	6	0.08	0.23	0.35	0.39	0.35	0.35	0.26	0.35	0.45	0.42	0.44	0.57	1.00	1.00	1.00
5	28	7	0.27	0.58	0.68	0.69	0.66	0.66	0.60	0.65	0.65	0.64	0.71	0.83	1.00	1.00	1.00
5	28	8	0.45	0.86	0.87	0.86	0.85	0.86	0.81	0.84	0.82	0.80	0.87	0.95	1.00	1.00	1.00
5	28	9	0.55	1.00	0.98	0.95	0.95	0.96	0.92	0.95	0.86	0.84	0.95	1.00	1.00	1.00	1.00
5	28	10	0.69	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.90	0.91	0.99	0.94	1.00	1.00	1.00
5	28	11	0.77	1.00	1.00	1.00	0.99	0.98	1.00	0.98	0.80	0.90	0.98	0.83	1.00	1.00	1.00
5	28	12	0.81	1.00	1.00	0.99	0.99	0.96	1.00	0.98	0.80	0.87	0.96	0.67	1.00	1.00	1.00
5	28	13	0.89	1.00	1.00	0.98	0.97	0.96	0.98	0.96	0.80	0.83	0.95	0.66	1.00	1.00	1.00
5	28	14	0.91	1.00	1.00	0.98	0.98	0.93	0.96	0.97	0.63	0.89	0.95	0.62	1.00	1.00	1.00
5	28	15	0.91	1.00	0.99	0.95	0.95	0.90	0.96	0.94	0.56	0.83	0.92	0.56	1.00	1.00	1.00
5	28	16	0.86	0.95	0.92	0.90	0.88	0.84	0.87	0.87	0.50	0.77	0.85	0.45	1.00	1.00	1.00
5	28	17	0.72	0.81	0.78	0.76	0.72	0.69	0.72	0.72	0.50	0.69	0.68	0.30	1.00	1.00	1.00
5	28	18	0.48	0.52	0.50	0.45	0.48	0.43	0.38	0.47	0.27	0.51	0.41	0.10	1.00	1.00	1.00
5	28	19	0.26	0.20	0.17	0.13	0.14	0.10	0.07	0.14	0.07	0.22	0.04	0.00	1.00	1.00	1.00
5	28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	5	0.00	0.00	0.01	0.04	0.02	0.01	0.01	0.02	0.14	0.07	0.05	0.25	1.00	1.00	1.00
5	29	6	0.10	0.25	0.37	0.43	0.35	0.34	0.28	0.35	0.51	0.46	0.45	0.63	1.00	1.00	1.00
5	29	7	0.35	0.55	0.68	0.70	0.65	0.65	0.56	0.65	0.73	0.71	0.71	0.86	1.00	1.00	1.00
5	29	8	0.54	0.86	0.87	0.87	0.85	0.85	0.81	0.84	0.86	0.85	0.87	1.00	1.00	1.00	1.00
5	29	9	0.56	1.00	0.98	0.96	0.95	0.96	0.93	0.94	0.93	0.92	0.95	1.00	1.00	1.00	1.00
5	29	10	0.58	1.00	1.00	0.99	0.99	1.00	0.98	0.98	0.95	0.94	0.99	1.00	1.00	1.00	1.00
5	29	11	0.65	1.00	1.00	1.00	0.98	1.00	0.97	0.97	0.94	0.94	0.98	1.00	1.00	1.00	1.00
5	29	12	0.82	1.00	1.00	0.98	0.98	0.97	0.94	0.97	0.92	0.93	0.96	1.00	1.00	1.00	1.00
5	29	13	1.00	1.00	1.00	0.96	0.96	0.96	0.93	0.95	0.92	0.92	0.95	1.00	1.00	1.00	1.00
5	29	14	1.00	1.00	1.00	0.97	0.96	0.94	0.97	0.95	0.92	0.92	0.94	1.00	1.00	1.00	1.00
5	29	15	0.95	1.00	0.97	0.95	0.94	0.94	0.94	0.94	0.91	0.92	0.92	0.98	1.00	1.00	1.00
5	29	16	0.88	0.94	0.92	0.90	0.87	0.85	0.87	0.87	0.87	0.88	0.85	0.88	1.00	1.00	1.00
5	29	17	0.76	0.81	0.80	0.77	0.72	0.72	0.72	0.72	0.78	0.77	0.69	0.65	1.00	1.00	1.00
5	29	18	0.39	0.52	0.55	0.50	0.45	0.44	0.44	0.45	0.51	0.57	0.42	0.20	1.00	1.00	1.00
5	29	19	0.19	0.20	0.20	0.16	0.13	0.11	0.10	0.13	0.20	0.26	0.05	0.00	1.00	1.00	1.00
5	29	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
5	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	5	0.00	0.00	0.01	0.04	0.02	0.01	0.01	0.02	0.15	0.07	0.05	0.23	1.00	1.00	1.00
5	30	6	0.05	0.24	0.38	0.44	0.37	0.32	0.30	0.37	0.51	0.46	0.45	0.64	1.00	1.00	1.00
5	30	7	0.25	0.63	0.69	0.70	0.67	0.62	0.63	0.66	0.74	0.70	0.70	0.87	1.00	1.00	1.00
5	30	8	0.47	0.88	0.87	0.86	0.84	0.80	0.84	0.84	0.87	0.84	0.85	1.00	1.00	1.00	1.00
5	30	9	0.56	1.00	0.98	0.95	0.93	0.91	0.96	0.93	0.93	0.91	0.93	1.00	1.00	1.00	1.00
5	30	10	0.72	1.00	1.00	0.99	0.98	0.96	1.00	0.97	0.93	0.94	0.97	1.00	1.00	1.00	1.00
5	30	11	0.93	1.00	1.00	1.00	0.98	0.98	1.00	0.97	0.92	0.94	0.97	1.00	1.00	1.00	1.00
5	30	12	0.94	1.00	1.00	0.98	0.97	0.96	0.99	0.96	0.91	0.92	0.95	1.00	1.00	1.00	1.00
5	30	13	0.90	1.00	1.00	0.97	0.96	0.93	0.97	0.95	0.86	0.91	0.94	1.00	1.00	1.00	1.00
5	30	14	0.92	1.00	0.99	0.97	0.96	0.95	0.97	0.95	0.90	0.90	0.94	1.00	1.00	1.00	1.00
5	30	15	0.93	1.00	0.97	0.95	0.94	0.93	0.95	0.94	0.88	0.89	0.92	1.00	1.00	1.00	1.00
5	30	16	0.88	0.95	0.93	0.90	0.88	0.86	0.89	0.87	0.85	0.85	0.85	0.89	1.00	1.00	1.00
5	30	17	0.80	0.81	0.79	0.78	0.74	0.70	0.73	0.73	0.74	0.73	0.68	0.66	1.00	1.00	1.00
5	30	18	0.52	0.52	0.53	0.48	0.46	0.44	0.46	0.46	0.52	0.54	0.41	0.22	1.00	1.00	1.00
5	30	19	0.20	0.20	0.19	0.15	0.14	0.12	0.12	0.14	0.21	0.24	0.05	0.00	1.00	1.00	1.00
5	30	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
5	30	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	30	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	5	0.00	0.00	0.02	0.04	0.02	0.01	0.01	0.02	0.14	0.08	0.05	0.16	1.00	1.00	1.00
5	31	6	0.06	0.28	0.38	0.44	0.37	0.33	0.25	0.37	0.49	0.45	0.44	0.44	1.00	1.00	1.00
5	31	7	0.23	0.65	0.70	0.70	0.67	0.62	0.54	0.66	0.71	0.69	0.70	0.68	1.00	1.00	1.00
5	31	8	0.57	0.85	0.88	0.86	0.84	0.80	0.80	0.83	0.80	0.82	0.85	0.80	1.00	1.00	1.00
5	31	9	0.85	1.00	0.98	0.95	0.94	0.93	0.92	0.93	0.90	0.90	0.94	0.91	1.00	1.00	1.00
5	31	10	1.00	1.00	1.00	0.98	0.98	0.97	0.97	0.98	0.92	0.93	0.98	0.97	1.00	1.00	1.00
5	31	11	1.00	1.00	1.00	1.00	0.99	0.98	0.98	0.98	0.91	0.93	0.97	0.87	1.00	1.00	1.00
5	31	12	1.00	1.00	1.00	0.98	0.97	0.97	0.96	0.96	0.89	0.91	0.95	0.83	1.00	1.00	1.00
5	31	13	1.00	1.00	0.99	0.97	0.96	0.95	0.97	0.95	0.88	0.88	0.94	0.75	1.00	1.00	1.00
5	31	14	1.00	1.00	0.99	0.97	0.96	0.92	0.95	0.95	0.88	0.84	0.87	0.68	1.00	1.00	1.00
5	31	15	0.98	1.00	0.98	0.95	0.94	0.93	0.95	0.94	0.83	0.80	0.88	0.46	1.00	1.00	1.00
5	31	16	0.88	0.95	0.92	0.90	0.87	0.86	0.87	0.86	0.84	0.70	0.77	0.49	1.00	1.00	1.00
5	31	17	0.72	0.81	0.80	0.78	0.74	0.70	0.69	0.74	0.75	0.71	0.64	0.33	1.00	1.00	1.00
5	31	18	0.46	0.52	0.53	0.52	0.49	0.45	0.46	0.48	0.53	0.52	0.38	0.13	1.00	1.00	1.00
5	31	19	0.25	0.21	0.19	0.17	0.15	0.12	0.12	0.15	0.22	0.24	0.04	0.00	1.00	1.00	1.00
5	31	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
5	31	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
5	31	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	5	0.00	0.00	0.01	0.03	0.01	0.01	0.01	0.01	0.15	0.08	0.05	0.17	1.00	1.00	1.00
6	1	6	0.08	0.18	0.32	0.38	0.32	0.28	0.26	0.32	0.49	0.44	0.40	0.48	1.00	1.00	1.00
6	1	7	0.21	0.57	0.62	0.67	0.61	0.61	0.51	0.61	0.71	0.67	0.64	0.76	1.00	1.00	1.00
6	1	8	0.46	0.81	0.81	0.84	0.82	0.81	0.62	0.81	0.82	0.79	0.82	0.94	1.00	1.00	1.00
6	1	9	0.61	0.95	0.92	0.91	0.91	0.90	0.82	0.90	0.89	0.86	0.89	1.00	1.00	1.00	1.00
6	1	10	0.79	1.00	0.93	0.95	0.93	0.92	0.88	0.92	0.90	0.89	0.92	1.00	1.00	1.00	1.00
6	1	11	0.65	0.93	0.88	0.95	0.92	0.91	0.90	0.92	0.90	0.88	0.94	0.94	1.00	1.00	1.00
6	1	12	0.46	0.82	0.83	0.91	0.86	0.81	0.89	0.86	0.88	0.85	0.92	0.94	1.00	1.00	1.00
6	1	13	0.40	0.68	0.75	0.84	0.79	0.84	0.89	0.78	0.87	0.78	0.88	0.88	1.00	1.00	1.00
6	1	14	0.52	0.66	0.62	0.63	0.76	0.88	0.78	0.76	0.88	0.67	0.85	0.87	1.00	1.00	1.00
6	1	15	0.57	0.42	0.54	0.84	0.75	0.78	0.57	0.75	0.83	0.56	0.77	0.87	1.00	1.00	1.00
6	1	16	0.57	0.28	0.35	0.61	0.59	0.57	0.41	0.58	0.77	0.50	0.68	0.80	1.00	1.00	1.00
6	1	17	0.35	0.20	0.22	0.58	0.48	0.24	0.31	0.47	0.67	0.38	0.50	0.65	1.00	1.00	1.00
6	1	18	0.25	0.11	0.15	0.34	0.26	0.11	0.15	0.25	0.52	0.32	0.31	0.18	1.00	1.00	1.00
6	1	19	0.07	0.03	0.04	0.11	0.05	0.01	0.01	0.05	0.18	0.12	0.03	0.00	1.00	1.00	1.00
6	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
6	1	22	0.28	0.31	0.05	0.36	0.89	0.84	0.16	0.49	0.33	0.27	0.43	0.58
6	1	23	0.30	0.25	0.10	0.35	0.87	0.79	0.15	0.48	0.35	0.29	0.40	0.49
6	1	24	0.35	0.28	0.16	0.33	0.83	0.73	0.14	0.42	0.41	0.35	0.40	0.50
6	2	1	0.32	0.29	0.16	0.26	0.79	0.66	0.11	0.37	0.37	0.31	0.43	0.52
6	2	2	0.26	0.25	0.09	0.20	0.73	0.62	0.11	0.35	0.31	0.25	0.43	0.51
6	2	3	0.20	0.20	0.13	0.16	0.69	0.66	0.09	0.36	0.26	0.19	0.38	0.50
6	2	4	0.12	0.20	0.18	0.13	0.69	0.61	0.07	0.33	0.17	0.11	0.30	0.48
6	2	5	0.11	0.13	0.05	0.10	0.68	0.58	0.07	0.26	0.16	0.10	0.20	0.40
6	2	6	0.09	0.10	0.00	0.05	0.67	0.50	0.05	0.23	0.15	0.08	0.20	0.29
6	2	7	0.03	0.12	0.00	0.01	0.64	0.16	0.01	0.12	0.09	0.02	0.14	0.11
6	2	8	0.00	0.10	0.00	0.01	0.55	0.09	0.00	0.02	0.02	0.00	0.07	0.02
6	2	9	0.00	0.07	0.00	0.01	0.41	0.09	0.00	0.00	0.00	0.00	0.07	0.00
6	2	10	0.00	0.07	0.00	0.01	0.29	0.09	0.00	0.00	0.00	0.00	0.11	0.00
6	2	11	0.00	0.06	0.00	0.01	0.20	0.10	0.00	0.00	0.02	0.00	0.11	0.01
6	2	12	0.00	0.06	0.00	0.05	0.17	0.11	0.00	0.02	0.02	0.00	0.12	0.04
6	2	13	0.01	0.04	0.00	0.09	0.18	0.11	0.00	0.13	0.05	0.00	0.17	0.06
6	2	14	0.10	0.04	0.00	0.11	0.26	0.13	0.01	0.30	0.16	0.09	0.30	0.14
6	2	15	0.28	0.05	0.01	0.14	0.42	0.16	0.02	0.52	0.33	0.27	0.45	0.31
6	2	16	0.34	0.07	0.12	0.20	0.62	0.19	0.03	0.72	0.39	0.33	0.54	0.50
6	2	17	0.44	0.11	0.09	0.26	0.75	0.25	0.06	0.85	0.49	0.43	0.58	0.51
6	2	18	0.45	0.18	0.02	0.32	0.81	0.42	0.11	0.89	0.49	0.44	0.58	0.52
6	2	19	0.55	0.20	0.17	0.45	0.86	0.72	0.16	0.87	0.58	0.54	0.54	0.54
6	2	20	0.68	0.30	0.47	0.63	0.89	0.91	0.18	0.82	0.71	0.68	0.48	0.55
6	2	21	0.73	0.28	0.21	0.54	0.87	0.86	0.16	0.75	0.76	0.73	0.50	0.53
6	2	22	0.46	0.37	0.15	0.43	0.85	0.84	0.14	0.66	0.50	0.46	0.48	0.52
6	2	23	0.36	0.34	0.17	0.38	0.81	0.76	0.09	0.60	0.41	0.35	0.46	0.47
6	2	24	0.30	0.34	0.26	0.36	0.77	0.63	0.05	0.57	0.36	0.29	0.40	0.44
6	3	1	0.27	0.27	0.27	0.30	0.74	0.69	0.03	0.50	0.32	0.26	0.29	0.40
6	3	2	0.23	0.15	0.27	0.25	0.72	0.71	0.02	0.42	0.29	0.22	0.19	0.33
6	3	3	0.33	0.08	0.24	0.19	0.72	0.71	0.01	0.37	0.38	0.32	0.17	0.25
6	3	4	0.34	0.10	0.23	0.15	0.71	0.70	0.01	0.32	0.40	0.34	0.14	0.10
6	3	5	0.27	0.16	0.22	0.11	0.68	0.63	0.00	0.27	0.32	0.26	0.12	0.01
6	3	6	0.13	0.05	0.18	0.07	0.64	0.49	0.00	0.25	0.18	0.12	0.07	0.00
6	3	7	0.03	0.03	0.08	0.02	0.59	0.17	0.00	0.20	0.09	0.02	0.03	0.00
6	3	8	0.00	0.04	0.02	0.02	0.49	0.09	0.00	0.13	0.05	0.00	0.01	0.00
6	3	9	0.00	0.05	0.00	0.02	0.39	0.10	0.00	0.12	0.03	0.00	0.00	0.00
6	3	10	0.00	0.12	0.00	0.03	0.31	0.14	0.00	0.12	0.01	0.00	0.01	0.00
6	3	11	0.01	0.22	0.00	0.06	0.30	0.15	0.00	0.18	0.05	0.01	0.01	0.00
6	3	12	0.14	0.60	0.00	0.09	0.26	0.18	0.00	0.27	0.20	0.13	0.05	0.00
6	3	13	0.23	0.73	0.00	0.13	0.22	0.19	0.03	0.43	0.29	0.23	0.12	0.00
6	3	14	0.35	0.38	0.00	0.18	0.29	0.19	0.05	0.58	0.40	0.34	0.27	0.00
6	3	15	0.46	0.31	0.00	0.22	0.40	0.22	0.09	0.69	0.50	0.45	0.46	0.01
6	3	16	0.63	0.22	0.05	0.23	0.55	0.23	0.17	0.76	0.67	0.63	0.57	0.03
6	3	17	0.59	0.18	0.40	0.27	0.72	0.29	0.26	0.82	0.63	0.58	0.58	0.18
6	3	18	0.48	0.28	0.44	0.33	0.83	0.41	0.38	0.85	0.52	0.47	0.56	0.34
6	3	19	0.49	0.17	0.34	0.42	0.89	0.61	0.51	0.86	0.53	0.48	0.49	0.38
6	3	20	0.46	0.16	0.51	0.54	0.92	0.89	0.56	0.83	0.50	0.45	0.44	0.42
6	3	21	0.51	0.20	0.62	0.48	0.91	0.79	0.57	0.79	0.55	0.50	0.40	0.49
6	3	22	0.59	0.41	0.56	0.42	0.89	0.73	0.51	0.78	0.63	0.58	0.46	0.45
6	3	23	0.45	0.11	0.50	0.39	0.88	0.67	0.43	0.76	0.50	0.45	0.48	0.36
6	3	24	0.33	0.15	0.49	0.37	0.87	0.63	0.34	0.77	0.38	0.32	0.43	0.24
6	4	1	0.26	0.09	0.50	0.35	0.86	0.76	0.30	0.74	0.31	0.25	0.34	0.22
6	4	2	0.29	0.05	0.51	0.29	0.85	0.68	0.30	0.71	0.34	0.28	0.26	0.12
6	4	3	0.36	0.07	0.51	0.23	0.80	0.70	0.28	0.67	0.41	0.35	0.19	0.02
6	4	4	0.31	0.08	0.49	0.20	0.79	0.63	0.30	0.65	0.36	0.30	0.13	0.00
6	4	5	0.27	0.04	0.48	0.22	0.80	0.67	0.30	0.61	0.32	0.26	0.05	0.00
6	4	6	0.30	0.02	0.46	0.23	0.80	0.54	0.31	0.57	0.36	0.30	0.00	0.00
6	4	7	0.31	0.02	0.36	0.16	0.77	0.23	0.29	0.47	0.36	0.30	0.00	0.00
6	4	8	0.31	0.03	0.22	0.15	0.73	0.18	0.26	0.38	0.36	0.30	0.00	0.00
6	4	9	0.32	0.05	0.32	0.19	0.67	0.16	0.24	0.36	0.38	0.31	0.00	0.00
6	4	10	0.31	0.05	0.48	0.25	0.59	0.13	0.24	0.36	0.36	0.30	0.05	0.00
6	4	11	0.38	0.09	0.45	0.32	0.51	0.12	0.24	0.45	0.43	0.38	0.11	0.00
6	4	12	0.51	0.31	0.51	0.39	0.51	0.11	0.31	0.58	0.55	0.51	0.24	0.00
6	4	13	0.63	0.41	0.53	0.47	0.54	0.13	0.38	0.72	0.67	0.63	0.41	0.01
6	4	14	0.74	0.14	0.40	0.54	0.59	0.15	0.45	0.79	0.76	0.73	0.56	0.03
6	4	15	0.81	0.19	0.17	0.60	0.64	0.16	0.51	0.82	0.83	0.81	0.61	0.05
6	4	16	0.86	0.21	0.36	0.63	0.76	0.18	0.57	0.83	0.87	0.86	0.65	0.06
6	4	17	0.91	0.24	0.53	0.65	0.85	0.40	0.61	0.83	0.92	0.91	0.66	0.09
6	4	18	0.89	0.42	0.66	0.64	0.86	0.62	0.65	0.82	0.90	0.89	0.66	0.28
6	4	19	0.82	0.24	0.73	0.58	0.81	0.80	0.70	0.81	0.84	0.82	0.66	0.50
6	4	20	0.80	0.21	0.81	0.49	0.73	0.88	0.73	0.74	0.82	0.80	0.73	0.63
6	4	21	0.74	0.06	0.87	0.43	0.60	0.78	0.76	0.67	0.76	0.73	0.82	0.63
6	4	22	0.62	0.05	0.89	0.47	0.54	0.70	0.75	0.64	0.65	0.62	0.86	0.59
6	4	23	0.53	0.03	0.82	0.52	0.51	0.53	0.69	0.65	0.56	0.52	0.84	0.57
6	4	24	0.52	0.04	0.77	0.54	0.51	0.45	0.71	0.66	0.56	0.51	0.76	0.56
6	5	1	0.52	0.05	0.72	0.55	0.55	0.35	0.68	0.64	0.56	0.51	0.75	0.55
6	5	2	0.53	0.04	0.63	0.57	0.53	0.35	0.64	0.59	0.57	0.53	0.75	0.52
6	5	3	0.53	0.04	0.50	0.56	0.53	0.41	0.60	0.58	0.57	0.52	0.75	0.49
6	5	4	0.60	0.08	0.55	0.51	0.60	0.40	0.58	0.56	0.63	0.59	0.75	0.47
6	5	5	0.59	0.13	0.60	0.47	0.70	0.29	0.57	0.54	0.63	0.59	0.72	0.45
6	5	6	0.62	0.15	0.64	0.42	0.77	0.23	0.56	0.53	0.66	0.62	0.67	0.44
6	5	7	0.59	0.14	0.65	0.38	0.83	0.19	0.58	0.50	0.62	0.58	0.63	0.41
6	5	8	0.72	0.19	0.61	0.35	0.86	0.25	0.60	0.53	0.75	0.72	0.64	0.39
6	5	9	0.89	0.21	0.64	0.31	0.86	0.26	0.65	0.61	0.90	0.89	0.69	0.41
6	5	10	0.98	0.25	0.64	0.29	0.85	0.24	0.66	0.76	0.98	0.98	0.76	0.44
6	5	11	1.00	0.30	0.62	0.30	0.88	0.38	0.68	0.88	1.00	1.00	0.81	0.53
6	5	12	1.00	0.34	0.62	0.36	0.92	0.38	0.72	0.93	1.00	1.00	0.87	0.60
6	5	13	1.00	0.46	0.68	0.43	0.94	0.43	0.76	0.95	1.00	1.00	0.90	0.63
6	5	14	1.00	0.58	0.82	0.49	0.95	0.56	0.78	0.94	1.00	1.00	0.95	0.67
6	5	15	0.99	0.69	0.81	0.57	0.97	0.92	0.80	0.94	0.99	0.99	0.98	0.74
6	5	16	0.90	0.72	0.75	0.61	0.99	0.95	0.84	0.93	0.91	0.90	0.96	0.70
6	5	17	0.87	0.64	0.64	0.68	0.99	0.91	0.88	0.93	0.88	0.87	0.94	0.67
6	5	18	0.83	0.54	0.60	0.72	0.99	1.00	0.91	0.92	0.85	0.83	0.93	0.56
6	5	19	0.79	0.52	0.68	0.77	0.95	0.99	0.91	0.89	0.80	0.78	0.85	0.49
6	5	20	0.72	0.63	0.72	0.69	0.88	0.88	0.95	0.73	0.75	0.72	0.73	0.47
6	5	21	0.66	0.65	0.79	0.63	0.83	0.94	0.97	0.57	0.69	0.66	0.86	0.52
6	5	22	0.57	0.59	0.86	0.57	0.86	0.90	0.97	0.48	0.60	0.56	0.93	0.65
6	5	23	0.57	0.56	0.89	0.58	0.91	0.71	0.97	0.39	0.60	0.56	0.93	0.73
6	5	24	0.64	0.60	0.93	0.50	0.91	0.57	0.97	0.35	0.68	0.64	0.84	0.75
6	6	1	0.59	0.71	0.95	0.46	0.84	0.75	0.98	0.38	0.63	0.58	0.78	0.72
6	6	2	0.46	0.85	0.95	0.45	0.73	0.84	0.96	0.44	0.51	0.46	0.79	0.60
6	6	3	0.43	0.82	0.94	0.42	0.69	0.49	0.94	0.46	0.47	0.42	0.71	0.60
6	6	4	0.42	0.83	0.94	0.37	0.62	0.19	0.94	0.49	0.46	0.41	0.72	0.49
6	6	5	0.50	0.87	0.93	0.36	0.50	0.40	0.93	0.45	0.53	0.49	0.69	0.30
6	6	6	0.67	0.75	0.87	0.37	0.29	0.60	0.91	0.44	0.70	0.67	0.56	0.37
6	6	7	0.83	0.72	0.84	0.34	0.05	0.32	0.88	0.52	0.85	0.83	0.53	0.39
6	6	8	0.73	0.80	0.89	0.34	0.00	0.25	0.86	0.60	0.75	0.73	0.47	0.48
6	6	9	0.76	0.91	0.92	0.34	0.00	0.22	0.85	0.69	0.78	0.76	0.53	0.62
6	6	10	0.79	0.97	0.91	0.33	0.00	0.24	0.87	0.76	0.81	0.78	0.56	0.74
6	6	11	0.79	1.00	0.90	0.35	0.00	0.24	0.87	0.81	0.81	0.79	0.55	0.84
6	6	12	0.80	1.00	0.88	0.35	0.00	0.17	0.88	0.86	0.82	0.79	0.57	0.86
6	6	13	0.67	1.00	0.94	0.36	0.00	0.22	0.88	0.88	0.69	0.66	0.59	0.85
6	6	14	0.74	1.00	0.96	0.35	0.00	0.34	0.88	0.90	0.77	0.74	0.65	0.83
6	6	15	0.73	1.00	0.95	0.34	0.04	0.40	0.88	0.92	0.76	0.73	0.67	0.87
6	6	16	0.72	1.00	0.96	0.33	0.23	0.53	0.86	0.93	0.75	0.72	0.69	0.95
6	6	17	0.67	1.00	0.95	0.34	0.44	0.64	0.84	0.94	0.70	0.67	0.78	0.97
6	6	18	0.82	1.00	0.95	0.37	0.50	0.62	0.84	0.94	0.84	0.82	0.83	0.97
6	6	19	0.89	0.99	0.96	0.41	0.57	0.54	0.82	0.90	0.90	0.89	0.89	0.96
6	6	20	0.79	0.97	0.92	0.50	0.69	0.79	0.81	0.86	0.82	0.79	0.78	0.94
6	6	21	0.59	0.92	0.88	0.63	0.70	0.93	0.83	0.87	0.62	0.58	0.69	0.93
6	6	22	0.45	0.90	0.87	0.63	0.61	0.89	0.87	0.88	0.49	0.44	0.67	0.92
6	6	23	0.47	0.90	0.88	0.51	0.52	0.88	0.87	0.88	0.51	0.46	0.61	0.85
6	6	24	0.45	0.90	0.92	0.41	0.42	0.94	0.86	0.86	0.50	0.44	0.63	0.76
6	7	1	0.42	0.90	0.88	0.37	0.28	0.89	0.86	0.81	0.46	0.41	0.61	0.62
6	7	2	0.34	0.92	0.80	0.30	0.10	0.79	0.85	0.72	0.39	0.33	0.60	0.53
6	7	3	0.23	0.93	0.73	0.28	0.01	0.85	0.82	0.55	0.29	0.22	0.61	0.44
6	7	4	0.24	0.88	0.67	0.26	0.00	0.83	0.80	0.45	0.30	0.24	0.53	0.32
6	7	5	0.11	0.84	0.63	0.34	0.00	0.71	0.75	0.36	0.17	0.10	0.53	0.24
6	7	6	0.01	0.86	0.59	0.38	0.00	0.40	0.74	0.24	0.05	0.01	0.54	0.24
6	7	7	0.00	0.94	0.54	0.27	0.00	0.07	0.74	0.08	0.04	0.00	0.48	0.07
6	7	8	0.05	0.95	0.47	0.19	0.00	0.11	0.72	0.01	0.10	0.04	0.47	0.00
6	7	9	0.12	0.97	0.36	0.15	0.00	0.17	0.69	0.03	0.18	0.11	0.42	0.01
6	7	10	0.08	0.97	0.24	0.10	0.00	0.13	0.68	0.07	0.14	0.08	0.38	0.05
6	7	11	0.06	0.98	0.14	0.06	0.00	0.10	0.66	0.06	0.12	0.05	0.35	0.06
6	7	12	0.02	0.98	0.07	0.03	0.00	0.13	0.66	0.01	0.08	0.02	0.24	0.02

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
6	1	22	0.29	0.63	0.15	0.12	0.09	0.04	0.07	0.30	0.61	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	23	0.31	0.53	0.11	0.09	0.08	0.03	0.04	0.21	0.80	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	1	24	0.36	0.56	0.14	0.12	0.06	0.01	0.03	0.15	0.82	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	1	0.33	0.57	0.22	0.20	0.03	0.01	0.02	0.09	0.78	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	2	0.26	0.56	0.17	0.15	0.01	0.00	0.02	0.05	0.76	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	3	0.21	0.56	0.06	0.04	0.03	0.00	0.07	0.06	0.72	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	4	0.13	0.54	0.04	0.02	0.00	0.00	0.09	0.07	0.64	0.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	5	0.12	0.46	0.03	0.02	0.03	0.01	0.12	0.11	0.55	0.13	0.04	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.01
6	2	6	0.10	0.36	0.04	0.02	0.07	0.01	0.08	0.08	0.35	0.10	0.02	0.01	0.10	0.28	0.10	0.17	0.11	0.21	0.26
6	2	7	0.04	0.18	0.02	0.01	0.03	0.00	0.08	0.03	0.10	0.12	0.03	0.03	0.27	0.48	0.26	0.48	0.42	0.54	0.55
6	2	8	0.00	0.09	0.01	0.01	0.00	0.00	0.08	0.04	0.04	0.09	0.01	0.19	0.43	0.67	0.42	0.74	0.64	0.74	0.76
6	2	9	0.00	0.05	0.01	0.00	0.00	0.00	0.08	0.03	0.03	0.07	0.00	0.37	0.57	0.77	0.56	0.87	0.73	0.84	0.88
6	2	10	0.00	0.05	0.01	0.01	0.00	0.02	0.10	0.07	0.04	0.07	0.00	0.54	0.71	0.83	0.69	0.92	0.84	0.90	0.94
6	2	11	0.00	0.07	0.03	0.01	0.00	0.03	0.14	0.10	0.20	0.06	0.00	0.63	0.75	0.85	0.74	0.95	0.85	0.91	0.94
6	2	12	0.00	0.11	0.15	0.12	0.00	0.05	0.16	0.21	0.48	0.06	0.00	0.72	0.81	0.81	0.80	0.93	0.91	0.89	0.93
6	2	13	0.01	0.13	0.24	0.22	0.01	0.04	0.14	0.25	0.45	0.04	0.00	0.74	0.81	0.69	0.80	0.89	0.88	0.86	0.90
6	2	14	0.11	0.21	0.26	0.24	0.05	0.03	0.13	0.15	0.47	0.04	0.00	0.69	0.79	0.68	0.77	0.87	0.88	0.86	0.90
6	2	15	0.29	0.38	0.36	0.34	0.25	0.03	0.13	0.19	0.65	0.05	0.00	0.64	0.78	0.60	0.76	0.89	0.87	0.86	0.88
6	2	16	0.35	0.56	0.37	0.35	0.29	0.06	0.16	0.26	0.53	0.07	0.00	0.51	0.70	0.52	0.68	0.83	0.83	0.80	0.80
6	2	17	0.45	0.56	0.20	0.18	0.18	0.10	0.11	0.29	0.73	0.11	0.02	0.33	0.57	0.43	0.56	0.75	0.73	0.72	0.74
6	2	18	0.45	0.57	0.28	0.26	0.18	0.16	0.12	0.28	0.55	0.18	0.08	0.11	0.35	0.28	0.35	0.58	0.55	0.51	0.52
6	2	19	0.55	0.59	0.23	0.21	0.07	0.36	0.10	0.31	0.44	0.20	0.10	0.01	0.11	0.07	0.11	0.24	0.29	0.18	0.17
6	2	20	0.69	0.60	0.47	0.46	0.21	0.35	0.07	0.39	0.52	0.30	0.18	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
6	2	21	0.73	0.58	0.62	0.61	0.80	0.58	0.06	0.36	0.61	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	22	0.47	0.57	0.34	0.32	0.45	0.63	0.04	0.27	0.47	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	23	0.37	0.52	0.17	0.14	0.14	0.66	0.01	0.26	0.28	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	2	24	0.31	0.49	0.07	0.05	0.08	0.32	0.01	0.28	0.10	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	1	0.28	0.47	0.02	0.01	0.30	0.11	0.00	0.20	0.14	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	2	0.24	0.39	0.04	0.03	0.32	0.03	0.00	0.14	0.06	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	3	0.33	0.32	0.06	0.04	0.16	0.15	0.00	0.09	0.02	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	4	0.35	0.17	0.06	0.04	0.22	0.26	0.00	0.05	0.01	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	5	0.28	0.07	0.08	0.06	0.21	0.17	0.01	0.04	0.00	0.16	0.05	0.00	0.01	0.07	0.01	0.01	0.00	0.00	0.01
6	3	6	0.14	0.02	0.08	0.06	0.10	0.11	0.01	0.02	0.04	0.05	0.00	0.01	0.18	0.34	0.18	0.25	0.13	0.18	0.27
6	3	7	0.04	0.01	0.07	0.06	0.02	0.07	0.01	0.01	0.12	0.03	0.00	0.05	0.38	0.54	0.38	0.49	0.45	0.51	0.56
6	3	8	0.01	0.00	0.06	0.05	0.02	0.06	0.00	0.00	0.07	0.04	0.00	0.27	0.60	0.72	0.59	0.69	0.75	0.74	0.76
6	3	9	0.00	0.01	0.06	0.05	0.00	0.09	0.01	0.00	0.06	0.05	0.00	0.50	0.77	0.79	0.75	0.84	0.86	0.85	0.88
6	3	10	0.00	0.01	0.08	0.06	0.00	0.12	0.02	0.01	0.23	0.12	0.03	0.67	0.87	0.85	0.86	0.95	0.91	0.90	0.93
6	3	11	0.01	0.01	0.11	0.09	0.01	0.02	0.03	0.03	0.21	0.22	0.12	0.77	0.91	0.82	0.89	0.97	0.90	0.91	0.94
6	3	12	0.15	0.03	0.13	0.11	0.08	0.01	0.05	0.07	0.63	0.60	0.50	0.81	0.91	0.83	0.89	0.95	0.88	0.87	0.92
6	3	13	0.24	0.04	0.15	0.13	0.50	0.03	0.08	0.12	0.77	0.73	0.64	0.81	0.89	0.79	0.88	0.92	0.88	0.82	0.88
6	3	14	0.35	0.06	0.22	0.20	0.45	0.07	0.14	0.21	0.63	0.38	0.29	0.77	0.88	0.71	0.86	0.85	0.88	0.85	0.88
6	3	15	0.47	0.07	0.39	0.37	0.47	0.58	0.16	0.26	0.34	0.31	0.20	0.69	0.83	0.71	0.82	0.75	0.86	0.83	0.87
6	3	16	0.64	0.10	0.57	0.56	0.46	0.54	0.09	0.27	0.47	0.22	0.12	0.55	0.75	0.55	0.74	0.72	0.78	0.81	0.80
6	3	17	0.60	0.26	0.59	0.57	0.30	0.16	0.07	0.27	0.57	0.18	0.08	0.34	0.57	0.47	0.56	0.54	0.51	0.68	0.72
6	3	18	0.49	0.41	0.59	0.57	0.14	0.08	0.06	0.35	0.13	0.28	0.16	0.11	0.34	0.28	0.33	0.36	0.26	0.47	0.52
6	3	19	0.50	0.45	0.58	0.56	0.35	0.10	0.10	0.37	0.27	0.16	0.07	0.01	0.11	0.09	0.11	0.16	0.10	0.07	0.22
6	3	20	0.46	0.48	0.43	0.42	0.37	0.18	0.15	0.42	0.19	0.16	0.06	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
6	3	21	0.52	0.55	0.50	0.48	0.24	0.29	0.16	0.47	0.61	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	22	0.59	0.51	0.46	0.44	0.23	0.30	0.14	0.41	0.68	0.41	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	23	0.46	0.42	0.42	0.41	0.22	0.46	0.11	0.30	0.13	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	3	24	0.34	0.31	0.42	0.40	0.12	0.34	0.08	0.25	0.20	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	1	0.26	0.30	0.35	0.33	0.05	0.08	0.07	0.20	0.60	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	2	0.30	0.20	0.23	0.21	0.06	0.20	0.03	0.08	0.63	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	3	0.37	0.08	0.19	0.17	0.11	0.28	0.03	0.05	0.59	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	4	0.32	0.05	0.19	0.17	0.18	0.32	0.03	0.03	0.40	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	5	0.28	0.02	0.19	0.17	0.18	0.23	0.03	0.00	0.35	0.04	0.00	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00
6	4	6	0.31	0.01	0.19	0.17	0.22	0.15	0.04	0.00	0.35	0.02	0.00	0.01	0.12	0.35	0.12	0.11	0.03	0.04	0.15
6	4	7	0.32	0.00	0.21	0.19	0.17	0.07	0.02	0.00	0.14	0.02	0.00	0.05	0.31	0.53	0.30	0.26	0.41	0.24	0.46
6	4	8	0.32	0.00	0.19	0.17	0.10	0.08	0.02	0.00	0.09	0.03	0.00	0.23	0.50	0.74	0.49	0.34	0.66	0.68	0.67
6	4	9	0.33	0.00	0.13	0.11	0.08	0.16	0.03	0.03	0.08	0.05	0.00	0.43	0.65	0.82	0.64	0.43	0.78	0.84	0.78
6	4	10	0.32	0.01	0.24	0.21	0.05	0.26	0.05	0.10	0.10	0.05	0.00	0.60	0.78	0.88	0.76	0.56	0.80	0.90	0.89
6	4	11	0.39	0.03	0.33	0.30	0.03	0.28	0.08	0.23	0.14	0.09	0.02	0.69	0.82	0.91	0.81	0.62	0.86	0.92	0.91
6	4	12	0.52	0.06	0.38	0.36	0.09	0.24	0.15	0.38	0.14	0.31	0.19	0.74	0.84	0.85	0.82	0.53	0.89	0.89	0.89
6	4	13	0.64	0.08	0.47	0.45	0.17	0.30	0.12	0.52	0.20	0.42	0.29	0.76	0.84	0.79	0.82	0.45	0.85	0.85	0.88
6	4	14	0.74	0.10	0.58	0.56	0.33	0.44	0.17	0.60	0.35	0.14	0.06	0.71	0.81	0.69	0.80	0.43	0.78	0.78	0.89
6	4	15	0.81	0.12	0.45	0.43	0.31	0.60	0.08	0.64	0.38	0.19	0.08	0.59	0.72	0.55	0.70	0.23	0.63	0.68	0.84
6	4	16	0.86	0.13	0.50	0.48	0.20	0.74	0.05	0.70	0.46	0.21	0.10	0.46	0.62	0.46	0.61	0.20	0.40	0.57	0.70
6	4	17	0.91	0.16	0.56	0.54	0.24	0.85	0.06	0.72	0.64	0.24	0.14	0.28	0.47	0.33	0.46	0.17	0.44	0.38	0.51
6	4	18	0.89	0.35	0.60	0.59	0.39	0.89	0.10	0.70	0.74	0.42	0.30	0.10	0.29	0.18	0.28	0.11	0.32	0.45	0.41
6	4	19	0.83	0.55	0.61	0.59	0.49	0.89	0.11	0.67	0.79	0.24	0.14	0.01	0.10	0.06	0.10	0.08	0.19	0.17	0.15
6	4	20	0.80	0.68	0.70	0.69	0.52	0.92	0.11	0.75	0.90	0.21	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
6	4	21	0.74	0.67	0.61	0.60	0.63	0.91	0.13	0.80	0.93	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	22	0.63	0.63	0.60	0.59	0.69	0.90	0.17	0.76	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	23	0.53	0.61	0.55	0.54	0.65	0.92	0.21	0.56	0.95	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	4	24	0.53	0.61	0.51	0.49	0.48	0.94	0.20	0.49	0.93	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	1	0.53	0.60	0.52	0.50	0.45	0.94	0.19	0.55	0.93	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	2	0.54	0.57	0.56	0.55	0.58	0.95	0.15	0.53	0.92	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	3	0.53	0.54	0.47	0.45	0.56	0.96	0.17	0.50	0.92	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	4	0.60	0.52	0.38	0.36	0.33	0.93	0.15	0.52	0.86	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	5	0.60	0.51	0.41	0.39	0.23	0.90	0.10	0.49	0.73	0.13	0.03	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.00
6	5	6	0.63	0.49	0.49	0.47	0.15	0.86	0.03	0.48	0.62	0.15	0.05	0.01	0.12	0.19	0.11	0.02	0.00	0.02	0.14
6	5	7	0.59	0.47	0.47	0.45	0.18	0.87	0.01	0.46	0.57	0.14	0.04	0.05	0.25	0.31	0.25	0.03	0.07	0.19	0.39
6	5	8	0.73	0.45	0.47	0.45	0.38	0.96	0.05	0.53	0.70	0.19	0.08	0.21	0.41	0.49	0.40	0.12	0.13	0.24	0.54
6	5	9	0.89	0.47	0.49	0.47	0.52	0.99	0.18	0.62	0.76	0.21	0.10	0.37	0.53	0.59	0.52	0.23	0.22	0.31	0.65
6	5	10	0.98	0.50	0.45	0.43	0.58	1.00	0.26	0.78	0.84	0.24	0.14	0.48	0.61	0.65	0.60	0.30	0.39	0.47	0.67
6	5	11	1.00	0.58	0.45	0.43	0.66	1.00	0.30	0.84	0.91	0.30	0.19	0.56	0.66	0.67	0.65	0.31	0.53	0.34	0.66
6	5	12	1.00	0.65	0.51	0.49	0.64	1.00	0.14	0.85	0.97	0.34	0.24	0.62	0.69	0.62	0.68	0.26	0.56	0.44	0.60
6	5	13	1.00	0.67	0.53	0.51	0.50	1.00	0.24	0.84	0.99	0.46	0.36	0.67	0.74	0.56	0.73	0.27	0.82	0.75	0.65
6	5	14	1.00	0.70	0.54	0.52	0.54	1.00	0.43	0.85	1.00	0.58	0.49	0.62	0.71	0.55	0.70	0.28	0.86	0.80	0.58
6	5	15	0.99	0.78	0.59	0.58	0.46	0.97	0.61	0.86	1.00	0.69	0.62	0.49	0.60	0.47	0.59	0.24	0.87	0.84	0.54
6	5	16	0.90	0.74	0.70	0.69	0.43	0.91	0.68	0.88	1.00	0.72	0.65	0.38	0.52	0.39	0.51	0.27	0.88	0.86	0.53
6	5	17	0.87	0.71	0.73	0.72	0.38	0.75	0.68	0.90	1.00	0.64	0.57	0.24	0.41	0.31	0.40	0.28	0.78	0.77	0.45
6	5	18	0.83	0.60	0.75	0.74	0.35	0.70	0.72	0.87	0.96	0.54	0.45	0.09	0.26	0.19	0.25	0.29	0.57	0.57	0.34
6	5	19	0.79	0.54	0.74	0.73	0.36	0.75	0.72	0.89	0.79	0.52	0.44	0.01	0.07	0.03	0.07	0.14	0.29	0.17	0.05
6	5	20	0.73	0.52	0.68	0.67	0.42	0.87	0.75	0.83	0.67	0.63	0.55	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
6	5	21	0.67	0.56	0.68	0.67	0.49	0.89	0.64	0.78	0.69	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	22	0.57	0.70	0.69	0.68	0.63	0.89	0.55	0.76	0.66	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	23	0.57	0.76	0.71	0.70	0.81	0.89	0.51	0.78	0.69	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	5	24	0.65	0.78	0.75	0.74	0.83	0.89	0.51	0.76	0.69	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	1	0.60	0.76	0.80	0.79	0.88	0.85	0.60	0.80	0.73	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	2	0.47	0.64	0.81	0.81	0.91	0.54	0.62	0.73	0.79	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	3	0.43	0.65	0.81	0.80	0.93	0.14	0.62	0.70	0.81	0.82	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	4	0.42	0.54	0.83	0.82	0.97	0.13	0.56	0.54	0.81	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	5	0.50	0.36	0.83	0.82	0.97	0.31	0.53	0.50	0.80	0.87	0.83	0.00	0.01	0.05	0.01	0.01	0.00	0.00	0.01
6	6	6	0.68	0.44	0.84	0.83	0.98	0.53	0.49	0.46	0.83	0.75	0.70	0.01	0.14	0.24	0.14	0.21	0.13	0.16	0.26
6	6	7	0.83	0.45	0.83	0.82	0.98	0.87	0.61	0.44	0.85	0.72	0.67	0.05	0.36	0.42	0.35	0.49	0.41	0.55	0.53
6	6	8	0.74	0.53	0.82	0.81	0.98	0.73	0.78	0.32	0.84	0.80	0.76	0.26	0.59	0.55	0.57	0.60	0.75	0.76	0.69
6	6	9	0.77	0.67	0.82	0.81	0.98	0.29	0.85	0.30	0.84	0.91	0.89	0.48	0.75	0.68	0.74	0.67	0.88	0.89	0.77
6	6	10	0.79	0.77	0.82	0.81	0.99	0.41	0.93	0.33	0.83	0.97	0.96	0.66	0.86	0.70	0.84	0.63	0.94	0.94	0.76
6	6	11	0.79	0.86	0.80	0.79	1.00	0.49	0.92	0.40	0.82	1.00	1.00	0.77	0.91	0.73	0.89	0.66	0.95	0.95	0.78
6	6	12	0.80	0.88	0.80	0.79	1.00	0.48	0.91	0.48	0.79	1.00	1.00	0.82	0.92	0.77	0.90	0.72	0.92	0.93	0.78
6	6	13	0.67	0.87	0.82	0.81	0.99	0.46	0.91	0.54	0.79	1.00	1.00	0.83	0.92	0.71	0.90	0.75	0.91	0.91	0.76
6	6	14	0.75	0.85	0.86	0.85	0.99	0.35	0.86	0.55	0.80	1.00	1.00	0.81	0.92	0.68	0.90	0.88	0.89	0.91	0.84
6	6	15	0.74	0.89	0.90	0.90	0.99	0.42	0.93	0.52	0.82	1.00	1.00	0.72	0.88	0.71	0.87	0.90	0.90	0.90	0.81
6	6	16	0.72	0.96	0.91	0.91	0.99	0.57	0.95	0.50	0.91	1.00	1.00	0.58	0.79	0.64	0.78	0.85	0.82	0.87	0.72
6	6	17	0.68	0.97	0.92	0.92	0.99	0.24	0.98	0.49	0.98	1.00	1.00	0.38	0.65	0.50	0.63	0.80	0.77	0.78	0.57
6	6	18	0.82	0.97	0.92	0.92	0.99	0.28	0.95	0.48	0.95	1.00	1.00	0.13	0.41	0.32	0.40	0.62	0.58	0.56	0.47
6	6	19	0.89	0.97	0.90	0.90	0.99	0.54	0.95	0.48	0.71	0.99	0.99	0.01	0.13	0.09	0.13	0.32	0.26	0.22	0.07
6	6	20	0.80	0.95	0.85	0.85	0.99	0.37	0.97	0.47	0.48	0.97	0.96	0.00	0.00	0.01	0.00	0.04	0.01	0.01	0.00
6	6	21	0.59	0.94	0.84	0.83	0.97	0.20	0.96	0.45	0.41	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	22	0.46	0.93	0.85	0.84	0.92	0.15	0.83	0.42	0.41	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	23	0.47	0.87	0.84	0.83	0.87	0.10	0.67	0.44	0.43	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	24	0.46	0.79	0.80	0.79	0.81	0.08	0.63	0.45	0.40	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	7	1	0.42	0.66	0.75	0.74	0.80	0.04	0.63	0.46	0.30	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	7	2	0.35	0.58	0.70	0.69	0.83	0.02	0.57	0.41	0.26	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	7	3	0.24	0.50	0.65	0.64	0.78	0.01	0.56	0.44	0.25	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	7	4	0.25	0.38	0.60	0.59	0.71	0.01	0.55	0.46	0.21	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	7	5	0.12	0.31	0.54	0.52	0.62	0.03	0.54	0.47	0.14	0.84	0.80	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01
6	7	6	0.01	0.31	0.41	0.39	0.62	0.07	0.55	0.43	0.07	0.86	0.83	0.01	0.22	0.43	0.21	0.36	0.22	0.18	0.31
6	7	7	0.00	0.13	0.29	0.27	0.66	0.18	0.55	0.36	0.02	0.94	0.92	0.05	0.44	0.67	0.44	0.69	0.55	0.55	0.63
6	7	8	0.06	0.07	0.21	0.19	0.61	0.14	0.58	0.32	0.02	0.95	0.94	0.28	0.66	0.82	0.65	0.83	0.76	0.76	0.82
6	7	9	0.13	0.08	0.14	0.12	0.48	0.08	0.63	0.31	0.04	0.97	0.96	0.52	0.81	0.89	0.80	0.92	0.87	0.86	0.92
6	7	10	0.09	0.12	0.09	0.07	0.30	0.04	0.77	0.25	0.06	0.97	0.97	0.69	0.91	0.90	0.89	0.97	0.92	0.92	0.98
6	7	11	0.07	0.13	0.07	0.05	0.16	0.04	0.94	0.19	0.08	0.98	0.97	0.80	0.95	0.89	0.93	0.97	0.93	0.93	0.99
6	7	12	0.03	0.09	0.06	0.04	0.07	0.04	0.93	0.13	0.10	0.98	0.97	0.86	0.97	0.86	0.95	1.00	0.91	0.92	0.97

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
6	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	5	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.14	0.06	0.02	0.21	1.00	1.00	1.00
6	2	6	0.13	0.22	0.13	0.00	0.06	0.16	0.14	0.06	0.44	0.27	0.19	0.50	1.00	1.00	1.00
6	2	7	0.38	0.53	0.27	0.16	0.26	0.37	0.32	0.26	0.61	0.46	0.36	0.64	1.00	1.00	1.00
6	2	8	0.54	0.79	0.56	0.19	0.31	0.35	0.46	0.31	0.76	0.59	0.58	0.81	1.00	1.00	1.00
6	2	9	0.64	0.95	0.76	0.23	0.46	0.46	0.52	0.45	0.73	0.68	0.59	0.92	1.00	1.00	1.00
6	2	10	0.81	1.00	0.87	0.55	0.61	0.60	0.52	0.60	0.80	0.72	0.55	1.00	1.00	1.00	1.00
6	2	11	0.92	1.00	0.87	0.58	0.68	0.62	0.43	0.67	0.76	0.71	0.64	1.00	1.00	1.00	1.00
6	2	12	1.00	1.00	0.91	0.43	0.85	0.76	0.64	0.84	0.74	0.57	0.65	0.98	1.00	1.00	1.00
6	2	13	0.98	1.00	0.94	0.51	0.74	0.83	0.69	0.73	0.63	0.58	0.56	0.96	1.00	1.00	1.00
6	2	14	0.98	0.99	0.89	0.48	0.76	0.65	0.77	0.75	0.60	0.53	0.48	0.98	1.00	1.00	1.00
6	2	15	0.97	0.97	0.91	0.66	0.78	0.65	0.73	0.77	0.54	0.57	0.47	0.90	1.00	1.00	1.00
6	2	16	0.93	0.92	0.81	0.64	0.69	0.75	0.59	0.68	0.48	0.49	0.50	0.68	1.00	1.00	1.00
6	2	17	0.79	0.80	0.73	0.60	0.49	0.66	0.52	0.49	0.39	0.46	0.37	0.61	1.00	1.00	1.00
6	2	18	0.55	0.50	0.42	0.42	0.42	0.41	0.34	0.41	0.30	0.41	0.25	0.18	1.00	1.00	1.00
6	2	19	0.20	0.21	0.15	0.12	0.12	0.10	0.08	0.12	0.11	0.17	0.03	0.00	1.00	1.00	1.00
6	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
6	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	5	0.00	0.01	0.02	0.05	0.03	0.02	0.01	0.03	0.16	0.09	0.05	0.02	1.00	1.00	1.00
6	3	6	0.09	0.26	0.39	0.44	0.38	0.33	0.27	0.38	0.49	0.44	0.41	0.08	1.00	1.00	1.00
6	3	7	0.30	0.62	0.68	0.69	0.67	0.64	0.56	0.66	0.68	0.66	0.64	0.30	1.00	1.00	1.00
6	3	8	0.52	0.84	0.86	0.85	0.83	0.83	0.82	0.83	0.81	0.80	0.82	0.43	1.00	1.00	1.00
6	3	9	0.80	0.98	0.95	0.93	0.93	0.94	0.94	0.92	0.87	0.87	0.93	0.35	1.00	1.00	1.00
6	3	10	0.98	1.00	0.99	0.98	0.97	0.98	0.99	0.96	0.85	0.87	0.96	0.52	1.00	1.00	1.00
6	3	11	1.00	1.00	0.99	0.97	0.96	0.98	0.98	0.96	0.78	0.82	0.93	0.45	1.00	1.00	1.00
6	3	12	1.00	1.00	0.98	0.95	0.96	0.92	0.96	0.95	0.72	0.78	0.92	0.59	1.00	1.00	1.00
6	3	13	0.96	0.99	0.96	0.94	0.94	0.89	0.92	0.93	0.69	0.76	0.85	0.50	1.00	1.00	1.00
6	3	14	0.94	0.99	0.97	0.94	0.94	0.93	0.95	0.93	0.52	0.75	0.80	0.43	1.00	1.00	1.00
6	3	15	0.92	0.99	0.95	0.93	0.92	0.90	0.93	0.91	0.64	0.75	0.84	0.34	1.00	1.00	1.00
6	3	16	0.87	0.91	0.90	0.88	0.87	0.86	0.85	0.86	0.31	0.70	0.77	0.16	1.00	1.00	1.00
6	3	17	0.57	0.80	0.80	0.78	0.75	0.73	0.73	0.74	0.36	0.59	0.56	0.11	1.00	1.00	1.00
6	3	18	0.29	0.53	0.57	0.54	0.51	0.48	0.45	0.50	0.24	0.44	0.34	0.04	1.00	1.00	1.00
6	3	19	0.12	0.25	0.22	0.19	0.17	0.15	0.12	0.17	0.11	0.19	0.05	0.00	1.00	1.00	1.00
6	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
6	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	5	0.00	0.00	0.01	0.05	0.02	0.01	0.01	0.02	0.15	0.07	0.06	0.21	1.00	1.00	1.00
6	4	6	0.07	0.18	0.18	0.43	0.29	0.27	0.29	0.29	0.46	0.31	0.43	0.58	1.00	1.00	1.00
6	4	7	0.33	0.51	0.41	0.64	0.50	0.56	0.59	0.50	0.69	0.53	0.68	0.82	1.00	1.00	1.00
6	4	8	0.53	0.76	0.64	0.58	0.68	0.73	0.73	0.67	0.81	0.74	0.82	0.99	1.00	1.00	1.00
6	4	9	0.68	0.91	0.83	0.75	0.77	0.79	0.84	0.76	0.86	0.82	0.90	1.00	1.00	1.00	1.00
6	4	10	0.94	1.00	0.94	0.85	0.80	0.86	0.94	0.80	0.88	0.84	0.94	1.00	1.00	1.00	1.00
6	4	11	0.99	0.99	0.95	0.79	0.82	0.86	0.93	0.81	0.86	0.78	0.94	1.00	1.00	1.00	1.00
6	4	12	0.99	1.00	0.96	0.88	0.80	0.84	0.90	0.79	0.74	0.73	0.89	0.91	1.00	1.00	1.00
6	4	13	0.97	0.96	0.95	0.89	0.90	0.90	0.88	0.89	0.70	0.70	0.79	0.74	1.00	1.00	1.00
6	4	14	0.94	0.94	0.93	0.91	0.91	0.89	0.92	0.91	0.55	0.73	0.80	0.62	1.00	1.00	1.00
6	4	15	0.81	0.94	0.84	0.83	0.88	0.89	0.92	0.87	0.49	0.64	0.70	0.30	1.00	1.00	1.00
6	4	16	0.81	0.90	0.82	0.81	0.73	0.85	0.85	0.72	0.43	0.65	0.64	0.23	1.00	1.00	1.00
6	4	17	0.73	0.64	0.67	0.62	0.55	0.73	0.71	0.55	0.29	0.54	0.44	0.10	1.00	1.00	1.00
6	4	18	0.43	0.46	0.36	0.42	0.37	0.45	0.45	0.37	0.20	0.35	0.24	0.02	1.00	1.00	1.00
6	4	19	0.17	0.22	0.13	0.13	0.11	0.13	0.13	0.11	0.09	0.14	0.03	0.00	1.00	1.00	1.00
6	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
6	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	5	0.00	0.00	0.01	0.05	0.02	0.01	0.01	0.02	0.00	0.00	0.04	0.21	1.00	1.00	1.00
6	5	6	0.08	0.17	0.25	0.37	0.31	0.30	0.26	0.31	0.06	0.09	0.35	0.56	1.00	1.00	1.00
6	5	7	0.22	0.35	0.49	0.47	0.59	0.60	0.55	0.59	0.18	0.24	0.52	0.71	1.00	1.00	1.00
6	5	8	0.31	0.66	0.64	0.75	0.65	0.78	0.80	0.64	0.38	0.46	0.72	0.90	1.00	1.00	1.00
6	5	9	0.44	0.77	0.87	0.85	0.65	0.86	0.90	0.64	0.60	0.51	0.81	0.93	1.00	1.00	1.00
6	5	10	0.51	0.85	0.86	0.72	0.77	0.92	0.96	0.76	0.58	0.64	0.92	0.99	1.00	1.00	1.00
6	5	11	0.70	0.79	0.87	0.90	0.87	0.81	0.96	0.86	0.57	0.71	0.89	0.99	1.00	1.00	1.00
6	5	12	0.75	0.87	0.97	0.91	0.86	0.81	0.89	0.85	0.58	0.56	0.83	0.90	1.00	1.00	1.00
6	5	13	0.86	0.71	0.93	0.78	0.88	0.82	0.93	0.87	0.56	0.51	0.80	0.82	1.00	1.00	1.00
6	5	14	0.82	0.62	0.84	0.85	0.81	0.78	0.93	0.80	0.55	0.43	0.76	0.89	1.00	1.00	1.00
6	5	15	0.81	0.56	0.56	0.59	0.55	0.69	0.85	0.55	0.43	0.35	0.70	0.83	1.00	1.00	1.00
6	5	16	0.82	0.35	0.66	0.36	0.40	0.46	0.83	0.40	0.32	0.30	0.61	0.60	1.00	1.00	1.00
6	5	17	0.65	0.17	0.66	0.27	0.31	0.32	0.70	0.31	0.25	0.27	0.48	0.40	1.00	1.00	1.00
6	5	18	0.44	0.20	0.49	0.12	0.20	0.22	0.32	0.20	0.20	0.23	0.23	0.13	1.00	1.00	1.00
6	5	19	0.03	0.09	0.18	0.03	0.04	0.05	0.07	0.04	0.06	0.07	0.02	0.00	1.00	1.00	1.00
6	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	5	0.00	0.00	0.01	0.04	0.01	0.01	0.00	0.01	0.03	0.05	0.05	0.13	1.00	1.00	1.00
6	6	6	0.21	0.21	0.28	0.38	0.22	0.16	0.06	0.22	0.15	0.32	0.32	0.43	1.00	1.00	1.00
6	6	7	0.59	0.49	0.62	0.71	0.59	0.44	0.29	0.59	0.43	0.52	0.57	0.54	1.00	1.00	1.00
6	6	8	0.82	0.70	0.84	0.92	0.84	0.69	0.65	0.83	0.58	0.66	0.81	0.69	1.00	1.00	1.00
6	6	9	0.97	0.85	0.92	1.00	0.96	0.89	0.87	0.95	0.70	0.73	0.91	0.83	1.00	1.00	1.00
6	6	10	1.00	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.41	0.77	0.96	0.83	1.00	1.00	1.00
6	6	11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.38	0.79	0.98	0.86	1.00	1.00	1.00
6	6	12	1.00	1.00	1.00	1.00	1.00	0.96	0.94	1.00	0.55	0.82	0.97	0.89	1.00	1.00	1.00
6	6	13	1.00	1.00	0.96	1.00	1.00	0.94	0.98	1.00	0.46	0.80	0.95	0.87	1.00	1.00	1.00
6	6	14	1.00	1.00	0.93	1.00	1.00	0.99	1.00	1.00	0.50	0.80	0.97	0.83	1.00	1.00	1.00
6	6	15	1.00	1.00	0.88	1.00	1.00	0.97	0.98	0.99	0.54	0.72	0.95	0.68	1.00	1.00	1.00
6	6	16	0.96	1.00	0.93	0.94	0.93	0.91	0.83	0.92	0.46	0.66	0.88	0.51	1.00	1.00	1.00
6	6	17	0.82	0.91	0.85	0.80	0.79	0.77	0.74	0.79	0.26	0.56	0.73	0.32	1.00	1.00	1.00
6	6	18	0.56	0.63	0.63	0.52	0.50	0.49	0.46	0.50	0.23	0.41	0.43	0.02	1.00	1.00	1.00
6	6	19	0.11	0.34	0.26	0.18	0.17	0.15	0.13	0.17	0.08	0.18	0.06	0.00	1.00	1.00	1.00
6	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
6	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	5	0.00	0.01	0.02	0.06	0.03	0.02	0.01	0.03	0.12	0.10	0.06	0.24	1.00	1.00	1.00
6	7	6	0.20	0.33	0.42	0.47	0.44	0.37	0.31	0.43	0.40	0.48	0.46	0.62	1.00	1.00	1.00
6	7	7	0.58	0.67	0.73	0.75	0.73	0.68	0.62	0.72	0.58	0.72	0.72	0.86	1.00	1.00	1.00
6	7	8	0.81	0.91	0.92	0.90	0.90	0.88	0.84	0.89	0.58	0.83	0.87	1.00	1.00	1.00	1.00
6	7	9	0.96	1.00	1.00	1.00	0.98	0.99	0.93	0.98	0.63	0.84	0.97	1.00	1.00	1.00	1.00
6	7	10	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.63	0.87	1.00	1.00	1.00	1.00	1.00
6	7	11	1.00	1.00	1.00	1.00	1.00	1.00	0.98	1.00	0.66	0.79	1.00	1.00	1.00	1.00	1.00
6	7	12	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.50	0.76	0.98	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Carr	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
6	7	13	0.00	0.97	0.06	0.01	0.00	0.15	0.68	0.00	0.04	0.00	0.11	0.00	0.00	0.05	0.05	0.04	0.02	0.04	0.85	0.09	0.09	0.97	0.97	0.87	0.95	0.87	0.94	0.99	0.86	0.89	0.95	1.00	1.00	1.00	1.00	1.00	0.99	0.97	1.00	0.56	0.77	0.97	1.00	1.00	1.00	1.00
6	7	14	0.00	0.97	0.06	0.01	0.00	0.17	0.69	0.00	0.04	0.00	0.02	0.00	0.00	0.02	0.05	0.03	0.01	0.06	0.82	0.09	0.07	0.97	0.97	0.82	0.94	0.83	0.92	0.98	0.85	0.88	0.94	1.00	1.00	1.00	1.00	1.00	0.98	0.97	1.00	0.53	0.78	0.98	1.00	1.00	1.00	1.00
6	7	15	0.00	0.96	0.08	0.01	0.06	0.18	0.69	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.01	0.07	0.69	0.07	0.05	0.96	0.95	0.73	0.89	0.82	0.87	0.90	0.87	0.89	0.90	1.00	1.00	1.00	0.98	0.98	0.94	0.97	0.97	0.63	0.80	0.94	1.00	1.00	1.00	1.00
6	7	16	0.00	0.93	0.12	0.01	0.31	0.19	0.70	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.01	0.08	0.60	0.04	0.04	0.93	0.91	0.59	0.81	0.74	0.79	0.90	0.85	0.84	0.88	0.95	1.00	0.98	0.94	0.93	0.86	0.87	0.92	0.57	0.74	0.88	0.91	1.00	1.00	1.00
6	7	17	0.01	0.89	0.18	0.02	0.54	0.21	0.71	0.02	0.05	0.00	0.00	0.00	0.01	0.03	0.05	0.04	0.01	0.08	0.48	0.03	0.02	0.89	0.85	0.38	0.66	0.60	0.64	0.79	0.77	0.74	0.80	0.84	0.88	0.86	0.82	0.79	0.71	0.73	0.78	0.54	0.67	0.71	0.71	1.00	1.00	1.00
6	7	18	0.10	0.70	0.31	0.04	0.68	0.37	0.72	0.24	0.16	0.09	0.02	0.00	0.11	0.03	0.07	0.05	0.01	0.07	0.36	0.03	0.03	0.70	0.64	0.13	0.42	0.35	0.41	0.60	0.59	0.57	0.61	0.59	0.61	0.61	0.58	0.54	0.50	0.48	0.53	0.48	0.51	0.42	0.22	1.00	1.00	1.00
6	7	19	0.25	0.55	0.50	0.10	0.76	0.62	0.73	0.51	0.31	0.25	0.26	0.06	0.26	0.12	0.09	0.07	0.02	0.08	0.25	0.04	0.09	0.55	0.47	0.01	0.14	0.12	0.14	0.27	0.24	0.18	0.18	0.15	0.32	0.26	0.21	0.19	0.16	0.14	0.19	0.20	0.21	0.06	0.00	1.00	1.00	1.00
6	7	20	0.30	0.45	0.67	0.18	0.83	0.92	0.73	0.62	0.36	0.29	0.30	0.30	0.31	0.38	0.16	0.14	0.05	0.08	0.20	0.05	0.27	0.45	0.35	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
6	7	21	0.29	0.40	0.69	0.21	0.82	0.92	0.70	0.63	0.35	0.28	0.23	0.30	0.30	0.37	0.15	0.13	0.08	0.07	0.14	0.01	0.38	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	22	0.26	0.34	0.66	0.18	0.81	0.90	0.68	0.59	0.32	0.25	0.17	0.24	0.27	0.31	0.13	0.11	0.07	0.07	0.08	0.00	0.41	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	23	0.21	0.27	0.63	0.15	0.81	0.75	0.68	0.52	0.27	0.20	0.17	0.19	0.22	0.26	0.10	0.08	0.03	0.06	0.06	0.00	0.40	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	7	24	0.27	0.25	0.53	0.13	0.80	0.64	0.68	0.42	0.32	0.26	0.16	0.22	0.28	0.29	0.08	0.07	0.02	0.05	0.06	0.00	0.28	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	1	0.21	0.33	0.46	0.12	0.77	0.54	0.67	0.33	0.27	0.20	0.13	0.18	0.22	0.26	0.05	0.04	0.02	0.03	0.09	0.00	0.18	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	2	0.15	0.53	0.41	0.13	0.71	0.35	0.66	0.24	0.21	0.14	0.05	0.12	0.16	0.20	0.04	0.02	0.02	0.02	0.10	0.00	0.09	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	3	0.08	0.73	0.38	0.13	0.66	0.36	0.62	0.20	0.14	0.07	0.02	0.05	0.09	0.13	0.04	0.02	0.01	0.01	0.11	0.00	0.05	0.73	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	4	0.02	0.66	0.35	0.11	0.60	0.33	0.56	0.16	0.07	0.01	0.00	0.01	0.03	0.07	0.03	0.02	0.01	0.01	0.13	0.00	0.02	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	5	0.00	0.52	0.34	0.10	0.54	0.24	0.50	0.10	0.04	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.01	0.00	0.13	0.00	0.01	0.52	0.43	0.00	0.01	0.11	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.18	0.09	0.07	0.24	1.00	1.00	1.00
6	8	6	0.00	0.41	0.23	0.09	0.41	0.16	0.43	0.05	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.07	0.00	0.01	0.41	0.31	0.01	0.21	0.40	0.21	0.29	0.20	0.22	0.30	0.17	0.34	0.42	0.47	0.38	0.36	0.35	0.38	0.52	0.43	0.46	0.66	1.00	1.00	1.00
6	8	7	0.00	0.40	0.10	0.04	0.19	0.13	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.05	0.00	0.00	0.40	0.29	0.04	0.43	0.62	0.42	0.62	0.55	0.55	0.62	0.46	0.67	0.72	0.72	0.69	0.63	0.66	0.68	0.75	0.70	0.70	0.89	1.00	1.00	1.00
6	8	8	0.00	0.33	0.06	0.02	0.04	0.05	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.05	0.00	0.00	0.33	0.22	0.28	0.64	0.79	0.63	0.82	0.76	0.75	0.80	0.79	0.88	0.90	0.89	0.86	0.82	0.84	0.85	0.86	0.84	0.86	1.00	1.00	1.00	1.00
6	8	9	0.00	0.30	0.01	0.01	0.00	0.04	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.00	0.00	0.05	0.00	0.02	0.30	0.19	0.51	0.80	0.91	0.79	0.95	0.87	0.86	0.91	0.94	1.00	0.99	0.97	0.95	0.93	0.96	0.94	0.91	0.91	0.95	1.00	1.00	1.00	1.00
6	8	10	0.00	0.27	0.00	0.01	0.00	0.04	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.03	0.00	0.00	0.06	0.00	0.04	0.27	0.16	0.68	0.89	0.94	0.88	0.98	0.93	0.91	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.88	0.92	0.97	1.00	1.00	1.00	1.00
6	8	11	0.00	0.25	0.00	0.00	0.00	0.06	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.01	0.00	0.10	0.00	0.09	0.25	0.14	0.78	0.93	0.95	0.91	0.98	0.93	0.92	0.96	1.00	1.00	1.00	1.00	1.00	0.99	0.99	1.00	0.87	0.90	0.97	1.00	1.00	1.00	1.00
6	8	12	0.00	0.25	0.00	0.01	0.00	0.09	0.25	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.05	0.03	0.02	0.00	0.19	0.01	0.16	0.25	0.14	0.83	0.94	0.93	0.92	0.96	0.92	0.90	0.95	1.00	1.00	1.00	0.99	1.00	0.99	0.94	0.99	0.88	0.82	0.96	0.99	1.00	1.00	1.00
6	8	13	0.00	0.24	0.00	0.01	0.00	0.10	0.28	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.05	0.03	0.03	0.00	0.25	0.02	0.21	0.23	0.13	0.84	0.93	0.93	0.91	0.95	0.88	0.87	0.93	0.99	1.00	0.99	0.98	0.97	0.95	0.93	0.97	0.87	0.83	0.95	1.00	1.00	1.00	1.00
6	8	14	0.00	0.22	0.00	0.02	0.00	0.09	0.33	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.05	0.03	0.03	0.00	0.30	0.03	0.23	0.22	0.11	0.81	0.92	0.94	0.90	0.92	0.88	0.87	0.93	1.00	1.00	1.00	0.99	0.99	0.94	0.96	0.98	0.89	0.87	0.95	0.99	1.00	1.00	1.00
6	8	15	0.00	0.22	0.06	0.03	0.00	0.11	0.37	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.05	0.04	0.02	0.00	0.31	0.03	0.24	0.22	0.12	0.72	0.88	0.90	0.86	0.96	0.86	0.87	0.93	1.00	1.00	1.00	0.97	0.94	0.90	0.94	0.94	0.82	0.85	0.93	0.90	1.00	1.00	1.00
6	8	16	0.00	0.26	0.12	0.03	0.03	0.13	0.40	0.03	0.01	0.00	0.00	0.00	0.00	0.06	0.06	0.04	0.01	0.00	0.30	0.03	0.24	0.26	0.15	0.58	0.79	0.82	0.77	0.91	0.83	0.84	0.88	0.95	0.96	0.95	0.86	0.87	0.81	0.88	0.86	0.83	0.78	0.86	0.77	1.00	1.00	1.00
6	8	17	0.01	0.31	0.23	0.05	0.15	0.16	0.46	0.15	0.04	0.01	0.07	0.02	0.01	0.08	0.07	0.06	0.01	0.00	0.28	0.02	0.24	0.31	0.19	0.37	0.64	0.64	0.62	0.78	0.72	0.75	0.79	0.82	0.86	0.83	0.78	0.72	0.71	0.69	0.71	0.77	0.70	0.72	0.51	1.00	1.00	1.00
6	8	18	0.16	0.33	0.34	0.08	0.33	0.34	0.54	0.39	0.22	0.15	0.32	0.14	0.17	0.21	0.09	0.07	0.01	0.01	0.18	0.01	0.24	0.33	0.22	0.13	0.40	0.40	0.40	0.61	0.56	0.56	0.58	0.58	0.61	0.60	0.57	0.47	0.43	0.40	0.47	0.59	0.52	0.44	0.11	1.00	1.00	1.00
6	8	19	0.27	0.36	0.48	0.17	0.55	0.68	0.63	0.57	0.33	0.26	0.36	0.32	0.28	0.39	0.10	0.08	0.00	0.08	0.13	0.01	0.25	0.36	0.26	0.01	0.13	0.14	0.13	0.34	0.27	0.20	0.17	0.04	0.32	0.25	0.21	0.16	0.13	0.10	0.16	0.26	0.20	0.08	0.00	1.00	1.00	1.00
6	8	20	0.33	0.46	0.62	0.32	0.77	0.94	0.66	0.65	0.38	0.33	0.32	0.36	0.34	0.42	0.16	0.13	0.00	0.18	0.12	0.02	0.22	0.46	0.36	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
6	8	21	0.42	0.52	0.65	0.37	0.84	0.93	0.66	0.67	0.47	0.41	0.25	0.36	0.43	0.42	0.19	0.17	0.01	0.15	0.12	0.00	0.20	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	22	0.42	0.46	0.54	0.26	0.84	0.89	0.69	0.67	0.47	0.41	0.17	0.41	0.43	0.47	0.23	0.21	0.03	0.06	0.10	0.00	0.22	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	23	0.41	0.38	0.48	0.19	0.84	0.82	0.67	0.68	0.45	0.40	0.14	0.47	0.42	0.53	0.28	0.26	0.03	0.04	0.06	0.00	0.20	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	8	24	0.43	0.26	0.50	0.14	0.82	0.74	0.64	0.67	0.48	0.42	0.14	0.38	0.44	0.44	0.26	0.24	0.03	0.02	0.07	0.00	0.15	0.25	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	1	0.37	0.46	0.51	0.11	0.79	0.56	0.60	0.64	0.42	0.36	0.13	0.31	0.38	0.37	0.21	0.19	0.03	0.02	0.18	0.00	0.13	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	2	0.31	0.62	0.51	0.08	0.76	0.75	0.57	0.57	0.36	0.30	0.08	0.25	0.32	0.33	0.18	0.16	0.03	0.01	0.25	0.00	0.18	0.62	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	3	0.26	0.30	0.48	0.06	0.75	0.59	0.52	0.51	0.32	0.25	0.05	0.21	0.27	0.28	0.19	0.17	0.02	0.01	0.29	0.00	0.26	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	4	0.14	0.14	0.44	0.04	0.74	0.34	0.44	0.46	0.20	0.13	0.04	0.17	0.15	0.24	0.19	0.17	0.02	0.01	0.30	0.00	0.25	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	5	0.06	0.17	0.39	0.03	0.72	0.21	0.37	0.40	0.12	0.05	0.03	0.07	0.07	0.14	0.20	0.18	0.02	0.00	0.26	0.00	0.22	0.17	0.06	0.00	0.01	0.11	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.19	0.10	0.07	0.15	1.00	1.00	1.00
6	9	6	0.00	0.12	0.26	0.02	0.64	0.17	0.30	0.31	0.05	0.00	0.02	0.00	0.01	0.04	0.21	0.19	0.03	0.00	0.17	0.00	0.13	0.12	0.03	0.01	0.19	0.42	0.19	0.22	0.18	0.22	0.30	0.12	0.29	0.41	0.46	0.39	0.33	0.28	0.39	0.52	0.47	0.44	0.36	1.00	1.00	1.00
6	9	7	0.00	0.06	0.17	0.01	0.43	0.11	0.22	0.14	0.01	0.00	0.00	0.00	0.00	0.01	0.19	0.17	0.02	0.00	0.12	0.00	0.02	0.06	0.00	0.05	0.40	0.63	0.40	0.59	0.44	0.54	0.61	0.38	0.64	0.71	0.71	0.67	0.64	0.56	0.67	0.73	0.69	0.67	0.54	1.00	1.00	1.00
6	9	8	0.00	0.13	0.12	0.01	0.23	0.03	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.19	0.01	0.00	0.13	0.00	0.04	0.13	0.04	0.27	0.62	0.82	0.61	0.81	0.72	0.73	0.79	0.68	0.87	0.89	0.86	0.85	0.81	0.80	0.84	0.85	0.82	0.83	0.81	1.00	1.00	1.00
6	9	9	0.00	0.18	0.09	0.02	0.11	0.05	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.25	0.01	0.00	0.15	0.00	0.06	0.18	0.08	0.50	0.78	0.95	0.76	0.84	0.85	0.85	0.89	0.91	1.00	0.98	0.96	0.95	0.91	0.91	0.94	0.91	0.89	0.93	1.00	1.00	1.00	1.00
6	9	10	0.00	0.27	0.09	0.04	0.03	0.10	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.33	0.31	0.02	0.00	0.15	0.00	0.08	0.27	0.16	0.66	0.87	0.99	0.85	0.84	0.91	0.90	0.94	1.00	1.00	1.00	1.00	0.99	0.93	1.00	0.98	0.92	0.92	0.94	1.00	1.00	1.00	1.00
6	9	11	0.00	0.27	0.14	0.10	0.00	0.16	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.37	0.35	0.02	0.00	0.18	0.01	0.13	0.27	0.16	0.75	0.89	0.99	0.88	0.72	0.91	0.90	0.94	1.00	1.00	1.00	1.00	0.98	0.93	0.96	0.97	0.90	0.93	0.95	0.99	1.00	1.00	1.00
6	9	12	0.00	0.29	0.21	0.15	0.00	0.20	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.45	0.43	0.03	0.00	0.22	0.02	0.14	0.29	0.18	0.79	0.88	0.97	0.87	0.57	0.88	0.88	0.93	1.00	1.00	1.00	0.97	0.97	0.94	0.91	0.96	0.86	0.91	0.94	0.93	1.00	1.00	1.00
6	9	13	0.00	0.35	0.28	0.17	0.03	0.24	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.54	0.52	0.05	0.00	0.28	0.05	0.16	0.35	0.24	0.78	0.86	0.93	0.85	0.47	0.81	0.85	0.90	0.98	1.00	0.99	0.95	0.95	0.93	0.94	0.94	0.83	0.90	0.93	0.85	1.00	1.00	1.00
6	9	14	0.00	0.34	0.33	0.21	0.09	0.26	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.59	0.58	0.07	0.01	0.37	0.05	0.18	0.34	0.25	0.75	0.85	0.88	0.83	0.41	0.81	0.84	0.89	0.98	1.00	1.00	0.97	0.97	0.95	0.91	0.96	0.86	0.90	0.94	0.63	1.00	1.00	1.00
6	9	15	0.00	0.74	0.36	0.24	0.21	0.28	0.27	0.07	0.02	0.00	0.00	0.00	0.00	0.02	0.61	0.60	0.12	0.02	0.39	0.05	0.20	0.74	0.65	0.66	0.81	0.80	0.79	0.37	0.79	0.82	0.89	0.95	1.00	0.99	0.96	0.94	0.92	0.93	0.93	0.86	0.88	0.92	0.44	1.00	1.00	1.00
6	9	16	0.02	0.58	0.27	0.28	0.38	0.32	0.35	0.34	0.06	0.01	0.00	0.00	0.02	0.03	0.61	0.59	0.17	0.02	0.34	0.03	0.21	0.58	0.52	0.52	0.71	0.70	0.70	0.37	0.66	0.80	0.77	0.90	0.95	0.93	0.92	0.88	0.72	0.88	0.88	0.82	0.84	0.85	0.23	1.00	1.00	1.00
6	9	17	0.18	0.80	0.33	0.33	0.54	0.41	0.46	0.67	0.24	0.17	0.07	0.00	0.19	0.03	0.62	0.60	0.22	0.01	0.25	0.01	0.16	0.80	0.72	0.34	0.58	0.54	0.56	0.32	0.68	0.72	0.61	0.70	0.84	0.81	0.81	0.73	0.69	0.73	0.73	0.74	0.74	0.71	0.02	1.00	1.00	1.00
6	9	18	0.29	0.37	0.45	0.38	0.64	0.57	0.57	0.81	0.34	0.28	0.25	0.01	0.30	0.03	0.64	0.62	0.27	0.02	0.15	0.01	0.13	0.37	0.28	0.11	0.35	0.34	0.34	0.32	0.52	0.50	0.42	0.32	0.61	0.57	0.57	0.46	0.49	0.45	0.46	0.56	0.55	0.42	0.04	1.00	1.00	1.00
6	9	19	0.30	0.34	0.54	0.42	0.74	0.78	0.64	0.84	0.35	0.29	0.31	0.10	0.31	0.17	0.63	0.62	0.26	0.07	0.07	0.02	0.20	0.34	0.23	0.01	0.12	0.13	0.12	0.18	0.19	0.18	0.15	0.03	0.34	0.25	0.21	0.17	0.16	0.13	0.17	0.25	0.24	0.07	0.00	1.00	1.00	1.00
6	9	20	0.35	0.26	0.41	0.45	0.82	0.97	0.67	0.84	0.40	0.34	0.24	0.20	0.36	0.28	0.62	0.61	0.37	0.11	0.03	0.05	0.28	0.26	0.15	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
6	9	21	0.33	0.23	0.29	0.44	0.85	0.95	0.69	0.82	0.38	0.32	0.20	0.13	0.34	0.21	0.57	0.56	0.50	0.09	0.01	0.00	0.28	0.23	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	22	0.41	0.05	0.30	0.41	0.86	0.88	0.68	0.81	0.46	0.40	0.17	0.09	0.42	0.16	0.54	0.52	0.54	0.04	0.01	0.00	0.30	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	23	0.37	0.04	0.38	0.38	0.85	0.78	0.65	0.82	0.42	0.36	0.13	0.08	0.38	0.16	0.53	0.51	0.37	0.07	0.02	0.00	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	9	24	0.37	0.08	0.48	0.32	0.83	0.88	0.58	0.82	0.42	0.36	0.11	0.06	0.38	0.13	0.53	0.51	0.23	0.14	0.05	0.00	0.11	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	1	0.38	0.12	0.53	0.27	0.82	0.54	0.50	0.83	0.43	0.37	0.11	0.03	0.39	0.10	0.55	0.53	0.17	0.19	0.07	0.00	0.10	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	2	0.39	0.11	0.53	0.25	0.80	0.70	0.40	0.81	0.44	0.38	0.09	0.02	0.40	0.09	0.53	0.51	0.19	0.19	0.07	0.00	0.16	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	3	0.33	0.03	0.58	0.19	0.80	0.55	0.30	0.77	0.39	0.33	0.04	0.00	0.34	0.06	0.49	0.47	0.19	0.17	0.12	0.00	0.28	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	4	0.26	0.03	0.66	0.17	0.80	0.32	0.25	0.69	0.32	0.25	0.00	0.00	0.27	0.04	0.47	0.45	0.14	0.18	0.18	0.00	0.32	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	5	0.21	0.04	0.66	0.18	0.79	0.38	0.19	0.59	0.27	0.21	0.00	0.00	0.22	0.02	0.47	0.45	0.09	0.19	0.19	0.00	0.31	0.04	0.00	0.00	0.01	0.11	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.06	0.03	0.02	0.01	0.03	0.18	0.11	0.06	0.24	1.00	1.00	1.00
6	10	6	0.17	0.10	0.62	0.14	0.72	0.21	0.14	0.46	0.23	0.16	0.00	0.00	0.18	0.02	0.45	0.43	0.05	0.20	0.16	0.00	0.27	0.10	0.01	0.01	0.18	0.39	0.17	0.08	0.13	0.07	0.29	0.20	0.29	0.40	0.43	0.40	0.37	0.27	0.40	0.51	0.47	0.41	0.64	1.00	1.00	1.00
6	10	7	0.07	0.14	0.67	0.09	0.60	0.11	0.09	0.30	0.13	0.06	0.00	0.00	0.08	0.02	0.45	0.43	0.02	0.17	0.12	0.00	0.12	0.14	0.04	0.05	0.38	0.57	0.38	0.18	0.41	0.41	0.58	0.54	0.65	0.70	0.70	0.67	0.67	0.62	0.66	0.72	0.70	0.68	0.86	1.00	1.00	1.00
6	10	8	0.01	0.17	0.72	0.11	0.52	0.02	0.05	0.15	0.06	0.00	0.00	0.00	0.02	0.04	0.46	0.44	0.01	0.23	0.11	0.00	0.04	0.17	0.06	0.26	0.58	0.73	0.57	0.29	0.55	0.69	0.76	0.74	0.87	0.88	0.87	0.85	0.85	0.80	0.84	0.83	0.83	0.81	0.98	1.00	1.00	1.00
6	10	9	0.02	0.15	0.76	0.16	0.50	0.02	0.03	0.03	0.07	0.01	0.00	0.01	0.03	0.07	0.43	0.41	0.02	0.30	0.12	0.01	0.04	0.15	0.05	0.47	0.72	0.81	0.71	0.36	0.77	0.74	0.85	0.87	0.97	0.97	0.95	0.94	0.95	0.93	0.93	0.89	0.89	0.86	1.00	1.00	1.00	1.00
6	10	10	0.05	0.13	0.76	0.18	0.48	0.04	0.02	0.00	0.11	0.05	0.00	0.01	0.06	0.08	0.41	0.39	0.03	0.36	0.22	0.10	0.07	0.13	0.04	0.63	0.82	0.85	0.80	0.46	0.87	0.81	0.88	0.96	1.00	1.00	0.99	0.98	0.96	0.97	0.97	0.90	0.91	0.91	1.00	1.00	1.00	1.00
6	10	11	0.09	0.10	0.70	0.22	0.44	0.08	0.01	0.00	0.15	0.08	0.00	0.02	0.10	0.09	0.40	0.38	0.05	0.44	0.34	0.26	0.12	0.10	0.02	0.73	0.87	0.89	0.85	0.57	0.90	0.87	0.88	0.98	1.00	1.00	0.99	1.00	0.95	0.98	0.99	0.89	0.89	0.90	1.00	1.00	1.00	1.00
6	10	12	0.11	0.10	0.66	0.27	0.49	0.15	0.02	0.00	0.17	0.10	0.01	0.01	0.12	0.08	0.42	0.40	0.09	0.51	0.37	0.42	0.21	0.10	0.01	0.77	0.87	0.84	0.85	0.58	0.85	0.88	0.86	0.95	1.00	1.00	0.97	0.98	0.92	0.95	0.97	0.86	0.85	0.85	0.93	1.00	1.00	1.00
6	10	13	0.20	0.09	0.64	0.35	0.62	0.18	0.04	0.01	0.26	0.19	0.04	0.00	0.21	0.05	0.49	0.47	0.26	0.57	0.40	0.56	0.29	0.09	0.01	0.78	0.86	0.86	0.85	0.64	0.83	0.83	0.84	0.92	1.00	0.98	0.95	0.96	0.90	0.92	0.95	0.86	0.82	0.83	0.88	1.00	1.00	1.00
6	10	14	0.29	0.14	0.63	0.40	0.74	0.19	0.09	0.10	0.34	0.28	0.05	0.00	0.29	0.03	0.52	0.51	0.43	0.69	0.40	0.61	0.37	0.14	0.04	0.75	0.85	0.89	0.83	0.67	0.81	0.81	0.82	0.93	0.96	0.99	0.96	0.96	0.92	0.91	0.95	0.87	0.83	0.84	0.99	1.00	1.00	1.00
6	10	15	0.41	0.30	0.63	0.41	0.82	0.30	0.15	0.35	0.46	0.40	0.05	0.00	0.42	0.04	0.61	0.60	0.59	0.82	0.36	0.65	0.36	0.30	0.18	0.67	0.81	0.79	0.80	0.74	0.84	0.69	0.87	0.90	0.90	0.96	0.95	0.92	0.87	0.94	0.91	0.87	0.79	0.81	0.82	1.00	1.00	1.00
6	10	16	0.57	0.28	0.68	0.40	0.88	0.38	0.24	0.61	0.61	0.56	0.11	0.00	0.58	0.06	0.67	0.66	0.68	0.88	0.29	0.69	0.36	0.28	0.17	0.54	0.73	0.73	0.72	0.82	0.78	0.72	0.77	0.75	0.86	0.89	0.89	0.89	0.83	0.88	0.88	0.84	0.69	0.68	0.69	1.00	1.00	1.00
6	10	17	0.66	0.34	0.74	0.45	0.90	0.67	0.38	0.74	0.69	0.66	0.35	0.01	0.67	0.07	0.70	0.69	0.34	0.91	0.34	0.71	0.36	0.34	0.23	0.35	0.60	0.52	0.59	0.84	0.74	0.65	0.62	0.72	0.72	0.64	0.78	0.77	0.70	0.75	0.76	0.76	0.51	0.57	0.57	1.00	1.00	1.00
6	10	18	0.70	0.37	0.79	0.47	0.86	0.91	0.53	0.82	0.73	0.70	0.48	0.10	0.71	0.16	0.70	0.69	0.18	0.91	0.20	0.68	0.36	0.37	0.26	0.13	0.38	0.30	0.38	0.69	0.58	0.52	0.38	0.52	0.55	0.40	0.56	0.54	0.47	0.49	0.54	0.59	0.32	0.37	0.22	1.00	1.00	1.00
6	10	19	0.81	0.37	0.77	0.44	0.85	0.94	0.63	0.83	0.83	0.80	0.50	0.34	0.81	0.42	0.65	0.64	0.15	0.85	0.24	0.63	0.44	0.37	0.26	0.01	0.13	0.10	0.13	0.36	0.26	0.19	0.09	0.10	0.30	0.17	0.21	0.20	0.15	0.16	0.20	0.27	0.14	0.06	0.00	1.00	1.00	1.00
6	10	20	0.83	0.29	0.74	0.51	0.90	0.96	0.67	0.81	0.85	0.83	0.52	0.45	0.83	0.51	0.59	0.58	0.19	0.85	0.32	0.62	0.45	0.29	0.18	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	10	21	0.79	0.13	0.73	0.46	0.91	0.95	0.70	0.76	0.81	0.79	0.55	0.56	0.80	0.61	0.55	0.53	0.17	0.78	0.28	0.57	0.46	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	22	0.65	0.10	0.71	0.43	0.91	0.96	0.70	0.75	0.68	0.65	0.58	0.59	0.66	0.63	0.48	0.47	0.17	0.79	0.36	0.43	0.47	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	23	0.52	0.18	0.74	0.38	0.89	0.95	0.67	0.73	0.56	0.51	0.58	0.54	0.53	0.59	0.44	0.42	0.15	0.82	0.60	0.44	0.51	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	10	24	0.46	0.44	0.76	0.31	0.87	0.94	0.61	0.71	0.51	0.46	0.57	0.51	0.47	0.56	0.40	0.38	0.10	0.84	0.69	0.44	0.47	0.44	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	1	0.38	0.40	0.75	0.30	0.83	0.86	0.53	0.67	0.43	0.37	0.50	0.46	0.39	0.51	0.35	0.33	0.10	0.79	0.56	0.44	0.44	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	2	0.32	0.27	0.76	0.28	0.76	0.78	0.51	0.60	0.37	0.31	0.40	0.44	0.33	0.50	0.32	0.29	0.05	0.76	0.30	0.41	0.51	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	3	0.25	0.17	0.80	0.25	0.67	0.80	0.45	0.51	0.31	0.24	0.34	0.45	0.26	0.50	0.30	0.28	0.03	0.71	0.31	0.36	0.46	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	4	0.29	0.28	0.78	0.21	0.58	0.75	0.35	0.44	0.34	0.28	0.30	0.45	0.30	0.51	0.24	0.22	0.02	0.70	0.24	0.37	0.34	0.28	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	5	0.33	0.23	0.67	0.18	0.51	0.77	0.23	0.36	0.38	0.32	0.24	0.42	0.34	0.48	0.21	0.19	0.01	0.69	0.33	0.34	0.25	0.23	0.12	0.00	0.01	0.04	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.00	0.01	0.02	0.03	0.01	0.08	1.00	1.00	1.00
6	11	6	0.25	0.19	0.50	0.18	0.41	0.46	0.13	0.28	0.30	0.24	0.18	0.32	0.25	0.39	0.12	0.10	0.00	0.58	0.43	0.26	0.15	0.19	0.09	0.01	0.15	0.24	0.15	0.34	0.21	0.20	0.28	0.09	0.27	0.38	0.11	0.14	0.29	0.18	0.14	0.13	0.23	0.18	0.29	1.00	1.00	1.00
6	11	7	0.08	0.19	0.46	0.11	0.21	0.14	0.06	0.16	0.14	0.07	0.13	0.08	0.09	0.14	0.05	0.04	0.00	0.44	0.56	0.17	0.08	0.19	0.08	0.04	0.36	0.43	0.36	0.67	0.54	0.53	0.57	0.27	0.53	0.69	0.61	0.39	0.54	0.52	0.38	0.27	0.46	0.31	0.52	1.00	1.00	1.00
6	11	8	0.05	0.14	0.49	0.09	0.05	0.09	0.02	0.05	0.10	0.04	0.11	0.00	0.06	0.06	0.03	0.02	0.00	0.39	0.41	0.25	0.05	0.14	0.05	0.26	0.59	0.63	0.58	0.84	0.75	0.73	0.78	0.51	0.82	0.87	0.77	0.73	0.81	0.80	0.73	0.46	0.68	0.45	0.77	1.00	1.00	1.00
6	11	9	0.07	0.07	0.46	0.09	0.01	0.09	0.01	0.01	0.13	0.06	0.12	0.00	0.08	0.06	0.04	0.02	0.00	0.43	0.34	0.35	0.02	0.07	0.00	0.49	0.76	0.77	0.75	0.95	0.86	0.85	0.88	0.68	0.98	0.97	0.94	0.91	0.93	0.92	0.90	0.61	0.85	0.59	0.87	1.00	1.00	1.00
6	11	10	0.12	0.08	0.40	0.06	0.00	0.09	0.01	0.02	0.18	0.12	0.13	0.03	0.13	0.09	0.05	0.04	0.01	0.46	0.22	0.44	0.03	0.08	0.00	0.65	0.86	0.84	0.84	0.96	0.90	0.89	0.94	0.87	1.00	1.00	0.98	0.96	0.96	0.94	0.95	0.73	0.89	0.66	0.88	1.00	1.00	1.00
6	11	11	0.21	0.15	0.38	0.04	0.00	0.08	0.00	0.06	0.27	0.20	0.16	0.07	0.22	0.14	0.07	0.05	0.01	0.43	0.21	0.55	0.07	0.15	0.06	0.76	0.90	0.82	0.89	0.95	0.91	0.90	0.94	0.95	1.00	1.00	0.98	0.91	0.99	0.96	0.90	0.67	0.81	0.69	0.78	1.00	1.00	1.00
6	11	12	0.27	0.44	0.39	0.04	0.00	0.07	0.00	0.15	0.32	0.26	0.23	0.11	0.27	0.18	0.09	0.07	0.00	0.44	0.40	0.57	0.10	0.44	0.32	0.81	0.91	0.78	0.89	0.93	0.90	0.88	0.92	1.00	1.00	1.00	0.92	0.91	0.94	0.94	0.90	0.67	0.81	0.60	0.62	1.00	1.00	1.00
6	11	13	0.30	0.26	0.39	0.04	0.01	0.07	0.00	0.25	0.35	0.29	0.33	0.11	0.30	0.19	0.11	0.09	0.01	0.50	0.55	0.58	0.12	0.26	0.16	0.82	0.91	0.77	0.89	0.92	0.87	0.85	0.91	0.99	1.00	0.99	0.93	0.91	0.93	0.92	0.90	0.74	0.80	0.60	0.56	1.00	1.00	1.00
6	11	14	0.36	0.42	0.44	0.06	0.08	0.08	0.01	0.36	0.41	0.36	0.51	0.12	0.37	0.19	0.14	0.12	0.01	0.57	0.48	0.58	0.12	0.42	0.31	0.78	0.89	0.76	0.87	0.92	0.86	0.86	0.87	1.00	1.00	0.99	0.93	0.93	0.91	0.89	0.93	0.75	0.77	0.65	0.49	1.00	1.00	1.00
6	11	15	0.40	0.44	0.50	0.11	0.22	0.13	0.02	0.46	0.45	0.40	0.61	0.17	0.41	0.24	0.18	0.16	0.01	0.59	0.26	0.57	0.22	0.44	0.34	0.70	0.85	0.66	0.83	0.90	0.86	0.85	0.90	0.99	0.99	0.98	0.94	0.86	0.87	0.87	0.85	0.57	0.68	0.54	0.45	1.00	1.00	1.00
6	11	16	0.47	0.36	0.54	0.17	0.39	0.24	0.03	0.59	0.51	0.46	0.65	0.34	0.47	0.40	0.22	0.20	0.03	0.60	0.25	0.51	0.18	0.36	0.24	0.57	0.78	0.57	0.77	0.91	0.82	0.82	0.87	0.94	0.95	0.94	0.91	0.83	0.81	0.85	0.82	0.53	0.68	0.50	0.15	1.00	1.00	1.00
6	11	17	0.56	0.11	0.58	0.15	0.53	0.34	0.06	0.71	0.60	0.56	0.66	0.48	0.57	0.54	0.25	0.23	0.03	0.58	0.28	0.47	0.15	0.10	0.04	0.38	0.64	0.46	0.63	0.86	0.75	0.73	0.78	0.81	0.84	0.83	0.79	0.70	0.73	0.72	0.69	0.41	0.49	0.43	0.17	1.00	1.00	1.00
6	11	18	0.68	0.28	0.61	0.16	0.60	0.52	0.11	0.77	0.71	0.68	0.67	0.51	0.69	0.56	0.25	0.23	0.04	0.53	0.47	0.48	0.46	0.28	0.19	0.13	0.40	0.26	0.40	0.71	0.58	0.56	0.56	0.57	0.59	0.59	0.49	0.46	0.43	0.43	0.46	0.26	0.38	0.27	0.04	1.00	1.00	1.00
6	11	19	0.72	0.73	0.59	0.26	0.67	0.77	0.20	0.81	0.74	0.71	0.69	0.51	0.72	0.56	0.25	0.23	0.04	0.63	0.44	0.42	0.39	0.73	0.63	0.01	0.14	0.09	0.13	0.37	0.29	0.20	0.12	0.06	0.33	0.27	0.18	0.16	0.13	0.12	0.16	0.10	0.14	0.04	0.00	1.00	1.00	1.00
6	11	20	0.79	0.45	0.62	0.43	0.79	0.92	0.24	0.78	0.81	0.79	0.69	0.54	0.79	0.59	0.30	0.27	0.06	0.79	0.28	0.41	0.25	0.45	0.36	0.00	0.00	0.01	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	11	21	0.77	0.39	0.62	0.46	0.84	0.93	0.22	0.72	0.79	0.77	0.61	0.50	0.77	0.56	0.39	0.37	0.08	0.71	0.28	0.46	0.18	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	22	0.57	0.30	0.54	0.39	0.83	0.88	0.19	0.69	0.61	0.57	0.51	0.48	0.58	0.53	0.41	0.39	0.07	0.43	0.32	0.40	0.32	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	23	0.40	0.21	0.46	0.39	0.80	0.63	0.15	0.67	0.45	0.39	0.43	0.50	0.41	0.55	0.35	0.33	0.04	0.30	0.29	0.37	0.37	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	11	24	0.34	0.33	0.44	0.34	0.73	0.76	0.12	0.66	0.39	0.33	0.29	0.48	0.35	0.54	0.28	0.26	0.02	0.23	0.23	0.37	0.26	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	1	0.31	0.49	0.35	0.33	0.61	0.42	0.11	0.65	0.36	0.30	0.17	0.43	0.32	0.50	0.23	0.21	0.01	0.26	0.19	0.32	0.31	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	2	0.22	0.51	0.29	0.29	0.50	0.57	0.09	0.57	0.28	0.21	0.08	0.33	0.23	0.40	0.18	0.16	0.01	0.29	0.24	0.26	0.43	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	3	0.15	0.58	0.28	0.28	0.37	0.61	0.06	0.42	0.20	0.14	0.05	0.17	0.15	0.24	0.13	0.11	0.07	0.30	0.18	0.38	0.51	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	4	0.09	0.66	0.25	0.23	0.32	0.33	0.03	0.29	0.15	0.08	0.05	0.11	0.10	0.18	0.09	0.07	0.14	0.32	0.15	0.35	0.49	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	5	0.03	0.73	0.21	0.24	0.32	0.25	0.00	0.21	0.09	0.03	0.06	0.05	0.04	0.12	0.05	0.04	0.13	0.36	0.27	0.27	0.46	0.73	0.66	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.16	0.10	0.06	0.19	1.00	1.00	1.00
6	12	6	0.00	0.67	0.12	0.23	0.25	0.31	0.00	0.12	0.01	0.00	0.04	0.02	0.00	0.09	0.02	0.01	0.10	0.28	0.26	0.21	0.36	0.67	0.60	0.01	0.21	0.43	0.21	0.35	0.21	0.22	0.30	0.20	0.32	0.40	0.46	0.39	0.35	0.26	0.39	0.49	0.45	0.45	0.50	1.00	1.00	1.00
6	12	7	0.00	0.64	0.05	0.14	0.08	0.11	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.05	0.01	0.00	0.06	0.22	0.28	0.13	0.28	0.64	0.57	0.04	0.43	0.65	0.42	0.67	0.55	0.55	0.60	0.57	0.66	0.71	0.71	0.67	0.60	0.59	0.67	0.70	0.66	0.70	0.70	1.00	1.00	1.00
6	12	8	0.00	0.65	0.06	0.08	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.05	0.16	0.20	0.11	0.29	0.65	0.58	0.27	0.63	0.84	0.62	0.85	0.75	0.74	0.78	0.80	0.87	0.88	0.86	0.85	0.77	0.80	0.84	0.83	0.80	0.86	0.96	1.00	1.00	1.00
6	12	9	0.00	0.68	0.10	0.10	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.04	0.07	0.16	0.16	0.20	0.68	0.61	0.49	0.77	0.93	0.76	0.94	0.83	0.84	0.87	0.92	0.96	0.97	0.94	0.94	0.87	0.88	0.93	0.88	0.87	0.94	1.00	1.00	1.00	1.00
6	12	10	0.00	0.64	0.13	0.08	0.00	0.10	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.07	0.02	0.01	0.04	0.03	0.19	0.20	0.12	0.64	0.57	0.66	0.87	0.94	0.85	0.99	0.90	0.89	0.92	0.99	1.00	1.00	0.99	0.98	0.90	0.96	0.97	0.89	0.86	0.96	0.91	1.00	1.00	1.00
6	12	11	0.00	0.64	0.15	0.06	0.00	0.14	0.00	0.00	0.00	0.00	0.05	0.02	0.00	0.09	0.03	0.02	0.03	0.01	0.26	0.19	0.10	0.64	0.56	0.77	0.91	0.95	0.89	1.00	0.90	0.89	0.93	1.00	1.00	1.00	1.00	0.99	0.93	0.96	0.98	0.88	0.88	0.97	0.82	1.00	1.00	1.00
6	12	12	0.00	0.62	0.16	0.03	0.00	0.12	0.00	0.00	0.00	0.00	0.05	0.02	0.00	0.09	0.04	0.02	0.03	0.02	0.20	0.14	0.09	0.62	0.55	0.82	0.92	0.90	0.90	0.99	0.89	0.87	0.92	1.00	1.00	1.00	0.97	0.97	0.92	0.94	0.96	0.82	0.85	0.87	0.77	1.00	1.00	1.00
6	12	13	0.01	0.66	0.17	0.02	0.00	0.11	0.00	0.00	0.03	0.00	0.06	0.01	0.01	0.08	0.05	0.03	0.04	0.06	0.29	0.11	0.07	0.66	0.59	0.82	0.90	0.93	0.89	0.96	0.85	0.84	0.89	0.98	1.00	0.98	0.96	0.94	0.89	0.92	0.93	0.80	0.81	0.90	0.94	1.00	1.00	1.00
6	12	14	0.08	0.71	0.17	0.01	0.00	0.17	0.00	0.00	0.14	0.07	0.05	0.02	0.09	0.09	0.06	0.04	0.05	0.22	0.45	0.07	0.05	0.71	0.65	0.79	0.90	0.84	0.88	0.96	0.85	0.84	0.89	0.98	1.00	0.97	0.96	0.96	0.95	0.95	0.95	0.64	0.68	0.93	0.85	1.00	1.00	1.00
6	12	15	0.01	0.74	0.17	0.02	0.00	0.21	0.00	0.00	0.02	0.00	0.03	0.01	0.01	0.08	0.08	0.06	0.07	0.15	0.40	0.06	0.07	0.74	0.69	0.71	0.86	0.84	0.84	0.94	0.84	0.84	0.86	0.97	1.00	0.97	0.95	0.95	0.94	0.92	0.94	0.74	0.75	0.85	0.87	1.00	1.00	1.00
6	12	16	0.00	0.78	0.19	0.03	0.02	0.24	0.01	0.06	0.04	0.00	0.00	0.00	0.00	0.06	0.10	0.08	0.08	0.10	0.26	0.05	0.08	0.78	0.72	0.57	0.78	0.78	0.76	0.92	0.82	0.80	0.80	0.92	0.94	0.92	0.90	0.89	0.88	0.84	0.89	0.69	0.75	0.76	0.82	1.00	1.00	1.00
6	12	17	0.05	0.71	0.21	0.06	0.13	0.25	0.05	0.20	0.10	0.04	0.00	0.00	0.06	0.04	0.12	0.10	0.10	0.07	0.38	0.05	0.08	0.72	0.65	0.38	0.64	0.63	0.63	0.83	0.74	0.72	0.75	0.80	0.83	0.82	0.80	0.78	0.76	0.70	0.77	0.65	0.60	0.62	0.54	1.00	1.00	1.00
6	12	18	0.24	0.56	0.24	0.11	0.28	0.26	0.10	0.42	0.30	0.23	0.00	0.00	0.25	0.03	0.15	0.13	0.12	0.08	0.22	0.06	0.08	0.56	0.47	0.13	0.42	0.41	0.41	0.67	0.56	0.54	0.56	0.56	0.60	0.61	0.57	0.52	0.51	0.45	0.52	0.49	0.48	0.39	0.18	1.00	1.00	1.00
6	12	19	0.31	0.42	0.30	0.20	0.48	0.48	0.21	0.55	0.37	0.30	0.06	0.00	0.32	0.04	0.18	0.16	0.15	0.12	0.18	0.13	0.13	0.42	0.32	0.01	0.15	0.14	0.15	0.34	0.28	0.27	0.13	0.11	0.34	0.28	0.22	0.20	0.18	0.14	0.19	0.22	0.22	0.07	0.00	1.00	1.00	1.00
6	12	20	0.38	0.44	0.40	0.35	0.65	0.84	0.29	0.61	0.43	0.37	0.10	0.02	0.39	0.09	0.24	0.22	0.18	0.25	0.08	0.22	0.22	0.44	0.35	0.00	0.00	0.01	0.00	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	12	21	0.37	0.55	0.47	0.39	0.69	0.83	0.32	0.63	0.42	0.36	0.05	0.03	0.38	0.10	0.31	0.28	0.14	0.29	0.15	0.25	0.37	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	22	0.31	0.62	0.48	0.38	0.70	0.83	0.32	0.59	0.36	0.30	0.03	0.02	0.32	0.08	0.36	0.34	0.08	0.18	0.12	0.25	0.55	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	23	0.29	0.61	0.50	0.42	0.71	0.59	0.28	0.50	0.34	0.28	0.02	0.00	0.30	0.04	0.44	0.42	0.04	0.06	0.08	0.20	0.50	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	12	24	0.27	0.59	0.55	0.39	0.68	0.40	0.15	0.45	0.32	0.26	0.00	0.00	0.28	0.01	0.50	0.48	0.03	0.03	0.09	0.13	0.54	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	1	0.22	0.59	0.57	0.32	0.53	0.27	0.08	0.42	0.28	0.22	0.00	0.00	0.23	0.01	0.50	0.48	0.01	0.01	0.12	0.09	0.49	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	2	0.16	0.55	0.50	0.34	0.23	0.12	0.05	0.39	0.22	0.15	0.00	0.00	0.17	0.00	0.48	0.46	0.01	0.01	0.14	0.04	0.45	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	3	0.10	0.58	0.47	0.34	0.04	0.18	0.01	0.36	0.16	0.09	0.00	0.00	0.11	0.00	0.44	0.42	0.01	0.01	0.12	0.00	0.40	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
6	13	4	0.04	0.51	0.45	0.37	0.00	0.25	0.00	0.31	0.09	0.03	0.00	0.00	0.05	0.00	0.41	0.39	0.01	0.01	0.09	0.00	0.31	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	5	0.00	0.45	0.46	0.38	0.00	0.28	0.00	0.27	0.05	0.00	0.00	0.00	0.01	0.01	0.38	0.36	0.01	0.00	0.07	0.00	0.25	0.45	0.34	0.00	0.01	0.12	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.05	0.02	0.02	0.01	0.02	0.16	0.11	0.07	0.24	1.00	1.00	1.00
6	13	6	0.00	0.31	0.47	0.40	0.00	0.26	0.00	0.17	0.02	0.00	0.00	0.00	0.00	0.02	0.36	0.34	0.01	0.00	0.05	0.00	0.14	0.31	0.20	0.01	0.20	0.44	0.19	0.34	0.19	0.19	0.26	0.18	0.29	0.39	0.42	0.37	0.34	0.30	0.36	0.46	0.46	0.46	0.60	1.00	1.00	1.00
6	13	7	0.00	0.20	0.47	0.35	0.00	0.11	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.03	0.33	0.31	0.00	0.00	0.04	0.00	0.03	0.20	0.09	0.04	0.41	0.66	0.40	0.65	0.51	0.52	0.57	0.54	0.63	0.68	0.69	0.65	0.60	0.63	0.64	0.70	0.68	0.69	0.77	1.00	1.00	1.00
6	13	8	0.00	0.13	0.52	0.30	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.34	0.32	0.00	0.00	0.04	0.00	0.00	0.13	0.04	0.27	0.62	0.83	0.61	0.83	0.72	0.71	0.76	0.77	0.84	0.86	0.84	0.82	0.80	0.81	0.81	0.82	0.81	0.84	0.96	1.00	1.00	1.00
6	13	9	0.00	0.11	0.55	0.32	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.36	0.34	0.00	0.00	0.04	0.00	0.00	0.11	0.02	0.49	0.77	0.91	0.75	0.93	0.82	0.82	0.85	0.90	0.96	0.96	0.93	0.91	0.90	0.91	0.90	0.88	0.87	0.93	0.95	1.00	1.00	1.00
6	13	10	0.00	0.11	0.58	0.31	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.38	0.36	0.00	0.00	0.03	0.00	0.04	0.11	0.02	0.65	0.85	0.94	0.84	0.98	0.87	0.85	0.90	0.96	1.00	1.00	0.97	0.95	0.95	0.95	0.95	0.87	0.86	0.96	0.95	1.00	1.00	1.00
6	13	11	0.00	0.15	0.62	0.28	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.41	0.39	0.00	0.00	0.03	0.00	0.06	0.15	0.05	0.75	0.89	0.94	0.87	0.99	0.87	0.87	0.90	0.98	1.00	1.00	0.97	0.96	0.95	0.95	0.95	0.88	0.87	0.95	0.88	1.00	1.00	1.00
6	13	12	0.00	0.14	0.67	0.21	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.43	0.41	0.01	0.00	0.03	0.00	0.07	0.14	0.05	0.80	0.90	0.92	0.88	0.98	0.86	0.85	0.89	0.98	1.00	0.98	0.94	0.94	0.94	0.91	0.93	0.82	0.80	0.93	0.89	1.00	1.00	1.00
6	13	13	0.00	0.15	0.71	0.16	0.00	0.20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.46	0.44	0.03	0.00	0.03	0.00	0.04	0.15	0.06	0.80	0.89	0.89	0.87	0.95	0.83	0.82	0.87	0.95	0.98	0.96	0.93	0.93	0.93	0.89	0.92	0.82	0.77	0.89	0.85	1.00	1.00	1.00
6	13	14	0.00	0.37	0.73	0.13	0.00	0.24	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.48	0.46	0.04	0.00	0.02	0.00	0.02	0.37	0.25	0.77	0.88	0.87	0.86	0.93	0.82	0.82	0.88	0.96	0.98	0.97	0.94	0.94	0.93	0.93	0.93	0.80	0.76	0.92	0.78	1.00	1.00	1.00
6	13	15	0.00	0.22	0.75	0.12	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.50	0.48	0.04	0.00	0.02	0.00	0.02	0.22	0.12	0.70	0.85	0.81	0.83	0.90	0.82	0.82	0.88	0.95	0.98	0.96	0.93	0.92	0.90	0.93	0.92	0.72	0.74	0.86	0.66	1.00	1.00	1.00
6	13	16	0.00	0.18	0.80	0.13	0.04	0.27	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.03	0.52	0.50	0.04	0.00	0.02	0.02	0.02	0.18	0.08	0.56	0.76	0.74	0.75	0.87	0.79	0.79	0.84	0.90	0.92	0.91	0.87	0.87	0.83	0.84	0.86	0.68	0.67	0.83	0.63	1.00	1.00	1.00
6	13	17	0.01	0.24	0.81	0.16	0.23	0.28	0.13	0.24	0.02	0.01	0.00	0.00	0.01	0.02	0.56	0.54	0.05	0.00	0.02	0.03	0.01	0.24	0.13	0.37	0.63	0.63	0.62	0.82	0.71	0.70	0.75	0.78	0.81	0.79	0.77	0.74	0.72	0.73	0.73	0.65	0.66	0.70	0.49	1.00	1.00	1.00
6	13	18	0.11	0.28	0.79	0.19	0.38	0.32	0.26	0.54	0.17	0.10	0.01	0.00	0.12	0.02	0.57	0.56	0.08	0.01	0.06	0.06	0.01	0.28	0.17	0.13	0.40	0.37	0.39	0.62	0.54	0.53	0.55	0.54	0.56	0.55	0.55	0.50	0.51	0.47	0.49	0.42	0.45	0.44	0.16	1.00	1.00	1.00
6	13	19	0.25	0.28	0.76	0.32	0.51	0.36	0.40	0.72	0.30	0.24	0.20	0.00	0.26	0.02	0.57	0.56	0.11	0.03	0.19	0.12	0.02	0.28	0.17	0.01	0.15	0.15	0.14	0.33	0.29	0.18	0.20	0.09	0.31	0.27	0.22	0.19	0.18	0.16	0.18	0.17	0.19	0.09	0.00	1.00	1.00	1.00
6	13	20	0.32	0.21	0.78	0.52	0.66	0.70	0.47	0.74	0.37	0.31	0.33	0.00	0.33	0.05	0.60	0.59	0.11	0.05	0.34	0.16	0.01	0.21	0.11	0.00	0.00	0.01	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
6	13	21	0.39	0.14	0.78	0.59	0.67	0.73	0.45	0.68	0.43	0.38	0.29	0.02	0.39	0.08	0.60	0.58	0.05	0.04	0.43	0.20	0.01	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	22	0.47	0.30	0.74	0.58	0.64	0.67	0.41	0.63	0.51	0.46	0.26	0.01	0.48	0.07	0.54	0.52	0.03	0.06	0.51	0.23	0.01	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	23	0.50	0.32	0.73	0.57	0.52	0.45	0.37	0.60	0.54	0.49	0.27	0.05	0.50	0.12	0.48	0.47	0.24	0.06	0.52	0.16	0.01	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	13	24	0.38	0.27	0.74	0.56	0.24	0.37	0.32	0.60	0.43	0.38	0.23	0.12	0.39	0.19	0.42	0.40	0.51	0.11	0.49	0.07	0.01	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	1	0.31	0.22	0.76	0.55	0.04	0.31	0.27	0.58	0.36	0.30	0.18	0.12	0.32	0.19	0.35	0.32	0.53	0.18	0.40	0.04	0.01	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	2	0.25	0.21	0.75	0.58	0.00	0.34	0.17	0.52	0.31	0.24	0.12	0.03	0.26	0.10	0.28	0.26	0.50	0.30	0.32	0.01	0.03	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	3	0.20	0.17	0.75	0.61	0.00	0.18	0.07	0.41	0.26	0.20	0.06	0.00	0.21	0.05	0.27	0.25	0.40	0.27	0.24	0.00	0.01	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	4	0.13	0.21	0.68	0.58	0.01	0.24	0.02	0.30	0.19	0.12	0.03	0.00	0.14	0.03	0.26	0.23	0.32	0.25	0.17	0.00	0.00	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	5	0.06	0.18	0.54	0.58	0.06	0.33	0.00	0.23	0.12	0.05	0.00	0.00	0.07	0.02	0.22	0.20	0.30	0.22	0.14	0.00	0.00	0.18	0.07	0.00	0.01	0.12	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.06	0.03	0.02	0.01	0.03	0.16	0.10	0.06	0.25	1.00	1.00	1.00
6	14	6	0.01	0.08	0.40	0.56	0.09	0.33	0.00	0.16	0.06	0.00	0.00	0.00	0.01	0.01	0.15	0.12	0.21	0.18	0.08	0.00	0.00	0.08	0.01	0.01	0.20	0.45	0.20	0.34	0.20	0.21	0.28	0.19	0.29	0.39	0.43	0.38	0.33	0.31	0.37	0.47	0.45	0.43	0.64	1.00	1.00	1.00
6	14	7	0.00	0.08	0.35	0.49	0.05	0.24	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.01	0.09	0.07	0.13	0.12	0.06	0.00	0.00	0.08	0.00	0.04	0.41	0.66	0.40	0.65	0.52	0.52	0.57	0.54	0.62	0.68	0.68	0.66	0.59	0.62	0.65	0.66	0.67	0.67	0.86	1.00	1.00	1.00
6	14	8	0.00	0.05	0.31	0.41	0.01	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.05	0.10	0.12	0.07	0.00	0.00	0.05	0.00	0.26	0.61	0.82	0.60	0.83	0.71	0.71	0.74	0.76	0.84	0.85	0.82	0.83	0.77	0.81	0.82	0.79	0.81	0.83	0.97	1.00	1.00	1.00
6	14	9	0.00	0.06	0.20	0.39	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.04	0.10	0.08	0.09	0.00	0.00	0.06	0.00	0.49	0.76	0.92	0.74	0.93	0.82	0.80	0.85	0.90	0.96	0.95	0.91	0.91	0.87	0.92	0.91	0.83	0.88	0.90	1.00	1.00	1.00	1.00
6	14	10	0.00	0.08	0.13	0.35	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.11	0.03	0.08	0.00	0.00	0.08	0.00	0.64	0.84	0.97	0.83	0.98	0.85	0.85	0.90	0.96	1.00	0.98	0.94	0.94	0.90	0.96	0.94	0.88	0.90	0.92	1.00	1.00	1.00	1.00
6	14	11	0.00	0.11	0.09	0.26	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.12	0.02	0.08	0.00	0.00	0.11	0.03	0.74	0.88	0.98	0.86	0.99	0.86	0.85	0.90	0.98	0.99	0.98	0.96	0.94	0.91	0.93	0.93	0.86	0.90	0.91	1.00	1.00	1.00	1.00
6	14	12	0.00	0.17	0.09	0.17	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.04	0.03	0.13	0.02	0.09	0.03	0.00	0.17	0.07	0.79	0.89	0.96	0.87	0.97	0.85	0.84	0.89	0.97	0.99	0.96	0.94	0.93	0.88	0.91	0.92	0.85	0.88	0.91	1.00	1.00	1.00	1.00
6	14	13	0.00	0.23	0.11	0.10	0.00	0.12	0.00	0.01	0.02	0.00	0.00	0.05	0.00	0.12	0.05	0.03	0.14	0.03	0.09	0.07	0.01	0.23	0.12	0.80	0.88	0.94	0.86	0.96	0.82	0.81	0.86	0.95	0.98	0.95	0.93	0.91	0.87	0.90	0.91	0.84	0.86	0.89	0.98	1.00	1.00	1.00
6	14	14	0.00	0.29	0.14	0.07	0.00	0.13	0.00	0.06	0.03	0.00	0.02	0.05	0.00	0.13	0.05	0.03	0.16	0.03	0.09	0.11	0.02	0.29	0.18	0.77	0.87	0.93	0.86	0.95	0.82	0.81	0.87	0.95	0.98	0.96	0.93	0.92	0.91	0.92	0.91	0.84	0.86	0.85	0.99	1.00	1.00	1.00
6	14	15	0.04	0.33	0.16	0.06	0.00	0.15	0.00	0.21	0.09	0.03	0.08	0.04	0.04	0.11	0.05	0.03	0.17	0.02	0.10	0.13	0.04	0.33	0.22	0.69	0.84	0.86	0.83	0.95	0.82	0.81	0.87	0.95	0.97	0.95	0.92	0.91	0.90	0.91	0.90	0.73	0.87	0.86	0.80	1.00	1.00	1.00
6	14	16	0.17	0.34	0.18	0.07	0.03	0.17	0.00	0.37	0.23	0.17	0.28	0.05	0.18	0.12	0.05	0.03	0.17	0.02	0.10	0.15	0.04	0.34	0.23	0.56	0.76	0.78	0.75	0.92	0.78	0.78	0.83	0.89	0.92	0.90	0.88	0.85	0.84	0.85	0.84	0.75	0.79	0.79	0.65	1.00	1.00	1.00
6	14	17	0.26	0.36	0.20	0.08	0.15	0.19	0.00	0.53	0.32	0.26	0.49	0.26	0.27	0.33	0.05	0.04	0.18	0.04	0.10	0.17	0.04	0.36	0.25	0.37	0.63	0.66	0.61	0.84	0.70	0.70	0.75	0.77	0.81	0.80	0.77	0.74	0.70	0.71	0.73	0.68	0.70	0.66	0.53	1.00	1.00	1.00
6	14	18	0.36	0.26	0.13	0.10	0.30	0.24	0.00	0.64	0.41	0.35	0.55	0.39	0.37	0.46	0.06	0.04	0.17	0.02	0.11	0.25	0.02	0.26	0.15	0.13	0.40	0.43	0.40	0.68	0.54	0.52	0.55	0.54	0.58	0.59	0.58	0.52	0.42	0.46	0.51	0.51	0.56	0.40	0.16	1.00	1.00	1.00
6	14	19	0.47	0.25	0.08	0.19	0.44	0.65	0.03	0.71	0.52	0.47	0.58	0.43	0.48	0.48	0.07	0.06	0.18	0.02	0.15	0.35	0.05	0.25	0.15	0.01	0.15	0.17	0.15	0.34	0.29	0.24	0.17	0.10	0.32	0.29	0.23	0.20	0.14	0.16	0.19	0.23	0.26	0.08	0.00	1.00	1.00	1.00
6	14	20	0.49	0.40	0.11	0.39	0.59	0.95	0.05	0.73	0.53	0.48	0.59	0.47	0.50	0.52	0.12	0.10	0.21	0.04	0.24	0.49	0.21	0.40	0.28	0.00	0.00	0.01	0.00	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
6	14	21	0.49	0.28	0.12	0.48	0.60	0.91	0.01	0.71	0.53	0.48	0.61	0.61	0.49	0.66	0.16	0.14	0.19	0.30	0.39	0.50	0.65	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	22	0.44	0.16	0.18	0.44	0.58	0.83	0.00	0.69	0.48	0.43	0.57	0.64	0.44	0.68	0.17	0.15	0.13	0.42	0.48	0.45	0.85	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	23	0.37	0.31	0.23	0.42	0.54	0.56	0.00	0.69	0.42	0.36	0.52	0.64	0.38	0.68	0.14	0.12	0.09	0.37	0.50	0.32	0.94	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	14	24	0.35	0.37	0.23	0.43	0.46	0.41	0.00	0.68	0.40	0.34	0.48	0.67	0.36	0.71	0.12	0.10	0.08	0.32	0.41	0.26	0.87	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	1	0.37	0.45	0.22	0.44	0.25	0.32	0.00	0.63	0.42	0.36	0.39	0.73	0.38	0.77	0.10	0.08	0.08	0.31	0.34	0.26	0.83	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	2	0.34	0.36	0.19	0.44	0.04	0.17	0.00	0.59	0.39	0.33	0.38	0.68	0.35	0.71	0.09	0.07	0.08	0.38	0.35	0.23	0.83	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	3	0.30	0.29	0.15	0.41	0.00	0.09	0.01	0.55	0.35	0.29	0.35	0.64	0.30	0.68	0.06	0.05	0.05	0.41	0.32	0.23	0.77	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	4	0.28	0.15	0.13	0.38	0.00	0.10	0.02	0.52	0.33	0.27	0.33	0.60	0.29	0.65	0.04	0.03	0.04	0.34	0.26	0.18	0.74	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	5	0.24	0.05	0.12	0.35	0.00	0.09	0.03	0.48	0.29	0.23	0.29	0.58	0.25	0.63	0.03	0.01	0.03	0.24	0.19	0.12	0.72	0.05	0.00	0.00	0.01	0.12	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.06	0.03	0.01	0.01	0.03	0.17	0.10	0.05	0.26	1.00	1.00	1.00
6	15	6	0.18	0.02	0.07	0.29	0.00	0.12	0.03	0.42	0.24	0.17	0.24	0.54	0.19	0.59	0.02	0.01	0.01	0.23	0.09	0.08	0.57	0.02	0.00	0.01	0.19	0.43	0.19	0.34	0.20	0.20	0.27	0.15	0.30	0.38	0.42	0.37	0.31	0.29	0.36	0.49	0.44	0.40	0.64	1.00	1.00	1.00
6	15	7	0.13	0.02	0.03	0.22	0.00	0.08	0.02	0.30	0.19	0.12	0.19	0.48	0.14	0.54	0.02	0.01	0.00	0.21	0.06	0.05	0.34	0.02	0.00	0.04	0.40	0.64	0.39	0.64	0.52	0.50	0.56	0.42	0.63	0.67	0.67	0.63	0.59	0.59	0.63	0.68	0.65	0.63	0.86	1.00	1.00	1.00
6	15	8	0.16	0.01	0.00	0.17	0.00	0.01	0.02	0.18	0.22	0.15	0.17	0.37	0.17	0.43	0.02	0.01	0.00	0.30	0.06	0.05	0.29	0.01	0.00	0.26	0.59	0.80	0.58	0.81	0.71	0.69	0.75	0.62	0.84	0.83	0.82	0.81	0.77	0.78	0.81	0.79	0.79	0.80	0.99	1.00	1.00	1.00
6	15	9	0.14	0.02	0.00	0.12	0.00	0.02	0.01	0.13	0.20	0.13	0.26	0.27	0.15	0.34	0.02	0.01	0.00	0.35	0.06	0.09	0.26	0.02	0.00	0.48	0.75	0.92	0.74	0.93	0.81	0.81	0.85	0.86	0.95	0.94	0.90	0.89	0.86	0.89	0.88	0.86	0.87	0.88	1.00	1.00	1.00	1.00
6	15	10	0.11	0.04	0.00	0.07	0.00	0.03	0.03	0.13	0.17	0.10	0.32	0.20	0.12	0.27	0.04	0.02	0.00	0.30	0.07	0.20	0.18	0.04	0.00	0.64	0.84	0.96	0.82	0.97	0.86	0.85	0.90	0.88	1.00	0.98	0.95	0.93	0.92	0.95	0.93	0.88	0.89	0.93	1.00	1.00	1.00	1.00
6	15	11	0.19	0.05	0.00	0.03	0.00	0.04	0.05	0.19	0.25	0.18	0.33	0.17	0.20	0.24	0.06	0.04	0.00	0.26	0.06	0.36	0.14	0.05	0.00	0.74	0.88	0.95	0.86	0.98	0.86	0.86	0.91	0.90	1.00	0.99	0.95	0.93	0.94	0.95	0.92	0.86	0.89	0.91	0.95	1.00	1.00	1.00
6	15	12	0.28	0.20	0.00	0.04	0.01	0.03	0.06	0.30	0.34	0.27	0.41	0.20	0.29	0.28	0.11	0.09	0.01	0.36	0.03	0.50	0.11	0.20	0.09	0.79	0.89	0.95	0.87	0.97	0.84	0.84	0.89	0.90	1.00	0.97	0.94	0.92	0.92	0.94	0.91	0.84	0.87	0.89	0.98	1.00	1.00	1.00
6	15	13	0.35	0.17	0.00	0.07	0.09	0.04	0.06	0.41	0.40	0.35	0.51	0.28	0.36	0.35	0.16	0.14	0.02	0.47	0.02	0.58	0.17	0.17	0.08	0.79	0.88	0.91	0.86	0.95	0.82	0.82	0.88	0.90	0.99	0.95	0.92	0.88	0.89	0.92	0.87	0.83	0.85	0.85	0.86	1.00	1.00	1.00
6	15	14	0.45	0.44	0.05	0.11	0.34	0.12	0.04	0.50	0.49	0.44	0.58	0.38	0.46	0.44	0.19	0.17	0.02	0.56	0.02	0.61	0.13	0.44	0.32	0.76	0.87	0.84	0.85	0.95	0.82	0.82	0.88	0.92	0.99	0.95	0.93	0.90	0.90	0.91	0.89	0.84	0.84	0.80	0.59	1.00	1.00	1.00
6	15	15	0.58	0.37	0.13	0.16	0.63	0.25	0.03	0.60	0.61	0.57	0.61	0.47	0.58	0.53	0.22	0.20	0.03	0.69	0.03	0.59	0.15	0.37	0.26	0.69	0.83	0.82	0.82	0.91	0.82	0.82	0.88	0.91	0.98	0.95	0.92	0.86	0.88	0.92	0.85	0.84	0.83	0.76	0.60	1.00	1.00	1.00
6	15	16	0.68	0.27	0.21	0.25	0.80	0.39	0.03	0.70	0.71	0.68	0.63	0.53	0.69	0.58	0.25	0.22	0.02	0.78	0.04	0.57	0.15	0.27	0.18	0.55	0.75	0.75	0.73	0.88	0.79	0.78	0.84	0.89	0.93	0.89	0.86	0.73	0.81	0.84	0.72	0.81	0.80	0.68	0.54	1.00	1.00	1.00
6	15	17	0.79	0.51	0.27	0.34	0.83	0.61	0.02	0.77	0.81	0.78	0.68	0.58	0.79	0.63	0.24	0.22	0.02	0.83	0.07	0.54	0.19	0.51	0.40	0.35	0.60	0.60	0.59	0.81	0.72	0.70	0.75	0.72	0.80	0.76	0.73	0.57	0.65	0.70	0.57	0.74	0.70	0.53	0.27	1.00	1.00	1.00
6	15	18	0.84	0.42	0.32	0.41	0.80	0.72	0.01	0.82	0.86	0.84	0.78	0.65	0.84	0.68	0.21	0.19	0.04	0.86	0.11	0.55	0.31	0.42	0.34	0.12	0.37	0.41	0.36	0.67	0.57	0.51	0.56	0.45	0.60	0.49	0.33	0.32	0.47	0.46	0.32	0.55	0.53	0.31	0.12	1.00	1.00	1.00
6	15	19	0.81	0.69	0.36	0.44	0.82	0.83	0.01	0.79	0.82	0.81	0.86	0.78	0.81	0.81	0.19	0.17	0.08	0.85	0.23	0.55	0.71	0.69	0.59	0.01	0.12	0.13	0.12	0.35	0.26	0.15	0.16	0.02	0.34	0.25	0.10	0.09	0.16	0.15	0.09	0.26	0.21	0.06	0.00	1.00	1.00	1.00
6	15	20	0.81	0.36	0.43	0.50	0.87	0.88	0.01	0.80	0.83	0.81	0.87	0.83	0.82	0.85	0.23	0.21	0.09	0.86	0.34	0.64	0.92	0.35	0.26	0.00	0.00	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
6	15	21	0.76	0.21	0.48	0.43	0.89	0.85	0.00	0.82	0.78	0.76	0.84	0.83	0.76	0.85	0.25	0.22	0.07	0.82	0.56	0.66	0.91	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	22	0.67	0.22	0.49	0.37	0.88	0.81	0.00	0.81	0.70	0.67	0.80	0.83	0.68	0.85	0.23	0.21	0.05	0.86	0.57	0.61	0.87	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	23	0.63	0.24	0.47	0.42	0.86	0.78	0.00	0.80	0.66	0.63	0.74	0.77	0.64	0.80	0.18	0.16	0.04	0.91	0.54	0.52	0.84	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	15	24	0.63	0.23	0.44	0.54	0.85	0.76	0.00	0.79	0.66	0.62	0.68	0.72	0.63	0.75	0.14	0.12	0.07	0.92	0.37	0.38	0.85	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	1	0.58	0.27	0.41	0.54	0.84	0.80	0.00	0.77	0.62	0.58	0.64	0.73	0.59	0.76	0.14	0.12	0.09	0.91	0.31	0.33	0.81	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	2	0.54	0.26	0.41	0.52	0.81	0.87	0.00	0.75	0.58	0.54	0.62	0.75	0.55	0.78	0.12	0.10	0.05	0.88	0.30	0.25	0.69	0.26	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	3	0.49	0.20	0.42	0.49	0.79	0.88	0.00	0.74	0.53	0.49	0.61	0.77	0.50	0.79	0.12	0.10	0.02	0.83	0.23	0.21	0.66	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	4	0.46	0.12	0.43	0.44	0.77	0.85	0.00	0.72	0.51	0.46	0.61	0.81	0.47	0.83	0.12	0.10	0.06	0.85	0.15	0.19	0.65	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	5	0.47	0.11	0.42	0.38	0.76	0.82	0.00	0.71	0.51	0.46	0.54	0.76	0.47	0.78	0.12	0.10	0.09	0.83	0.16	0.16	0.36	0.11	0.02	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.06	0.02	0.02	0.01	0.02	0.16	0.10	0.06	0.19	1.00	1.00	1.00
6	16	6	0.46	0.05	0.37	0.32	0.70	0.75	0.00	0.67	0.50	0.45	0.49	0.71	0.46	0.74	0.11	0.09	0.08	0.74	0.28	0.16	0.07	0.05	0.00	0.01	0.20	0.42	0.19	0.34	0.18	0.23	0.28	0.11	0.29	0.37	0.43	0.36	0.35	0.33	0.35	0.47	0.45	0.40	0.54	1.00	1.00	1.00
6	16	7	0.39	0.06	0.33	0.19	0.65	0.30	0.00	0.57	0.44	0.39	0.47	0.60	0.40	0.65	0.11	0.09	0.05	0.64	0.60	0.15	0.06	0.06	0.00	0.04	0.40	0.65	0.39	0.65	0.44	0.54	0.59	0.36	0.64	0.67	0.69	0.64	0.62	0.63	0.64	0.69	0.67	0.65	0.81	1.00	1.00	1.00
6	16	8	0.52	0.10	0.37	0.18	0.62	0.12	0.00	0.55	0.56	0.51	0.48	0.55	0.53	0.59	0.15	0.13	0.04	0.69	0.48	0.20	0.17	0.10	0.01	0.26	0.60	0.81	0.58	0.83	0.63	0.72	0.77	0.52	0.85	0.85	0.84	0.82	0.79	0.83	0.81	0.80	0.81	0.80	0.94	1.00	1.00	1.00
6	16	9	0.67	0.12	0.43	0.21	0.58	0.10	0.00	0.57	0.70	0.67	0.45	0.55	0.68	0.60	0.19	0.16	0.04	0.74	0.35	0.31	0.26	0.12	0.03	0.47	0.74	0.90	0.73	0.93	0.77	0.83	0.87	0.62	0.97	0.94	0.93	0.90	0.90	0.92	0.90	0.84	0.88	0.86	0.98	1.00	1.00	1.00
6	16	10	0.79	0.09	0.53	0.26	0.55	0.08	0.00	0.63	0.81	0.79	0.45	0.55	0.79	0.60	0.24	0.22	0.09	0.80	0.25	0.43	0.25	0.09	0.01	0.64	0.83	0.95	0.82	0.95	0.85	0.88	0.92	0.70	1.00	0.99	0.97	0.96	0.95	0.97	0.95	0.87	0.90	0.91	1.00	1.00	1.00	1.00
6	16	11	0.88	0.12	0.60	0.30	0.53	0.04	0.00	0.72	0.89	0.88	0.52	0.53	0.88	0.58	0.34	0.31	0.17	0.86	0.20	0.56	0.25	0.12	0.03	0.75	0.89	0.96	0.88	0.98	0.92	0.89	0.93	0.89	1.00	1.00	0.97	0.97	0.92	0.96	0.96	0.87	0.90	0.91	0.99	1.00	1.00	1.00
6	16	12	0.93	0.10	0.64	0.33	0.58	0.05	0.02	0.80	0.93	0.93	0.58	0.53	0.93	0.58	0.45	0.43	0.23	0.91	0.10	0.62	0.30	0.10	0.02	0.81	0.91	0.94	0.89	0.97	0.91	0.87	0.91	0.99	1.00	0.98	0.95	0.96	0.90	0.92	0.95	0.84	0.88	0.88	0.94	1.00	1.00	1.00
6	16	13	0.93	0.05	0.67	0.34	0.64	0.08	0.06	0.85	0.94	0.93	0.66	0.55	0.93	0.59	0.54	0.52	0.38	0.98	0.24	0.62	0.39	0.05	0.00	0.81	0.90	0.91	0.88	0.95	0.87	0.84	0.89	0.98	0.99	0.97	0.93	0.94	0.88	0.91	0.93	0.83	0.86	0.86	0.81	1.00	1.00	1.00
6	16	14	0.93	0.06	0.67	0.36	0.68	0.20	0.13	0.89	0.94	0.93	0.75	0.57	0.93	0.62	0.64	0.63	0.49	0.99	0.43	0.60	0.47	0.06	0.00	0.79	0.89	0.89	0.88	0.96	0.88	0.85	0.90	0.98	1.00	0.97	0.94	0.94	0.92	0.92	0.93	0.85	0.85	0.90	0.75	1.00	1.00	1.00
6	16	15	0.94	0.08	0.66	0.40	0.70	0.43	0.21	0.90	0.94	0.93	0.79	0.59	0.94	0.63	0.71	0.69	0.50	0.99	0.66	0.54	0.53	0.08	0.00	0.71	0.86	0.86	0.84	0.95	0.87	0.85	0.89	0.96	1.00	0.96	0.92	0.92	0.90	0.92	0.91	0.83	0.81	0.88	0.72	1.00	1.00	1.00
6	16	16	0.94	0.09	0.67	0.44	0.71	0.62	0.32	0.90	0.95	0.94	0.81	0.67	0.94	0.70	0.82	0.81	0.49	1.00	0.74	0.51	0.67	0.09	0.02	0.57	0.78	0.79	0.77	0.89	0.84	0.81	0.86	0.93	0.95	0.91	0.89	0.86	0.84	0.87	0.85	0.81	0.80	0.82	0.60	1.00	1.00	1.00
6	16	17	0.96	0.31	0.69	0.45	0.72	0.83	0.45	0.90	0.96	0.96	0.86	0.77	0.96	0.80	0.87	0.86	0.52	1.00	0.75	0.55	0.74	0.32	0.19	0.37	0.63	0.66	0.62	0.78	0.74	0.73	0.78	0.79	0.82	0.80	0.77	0.75	0.69	0.75	0.74	0.73	0.70	0.68	0.44	1.00	1.00	1.00
6	16	18	0.95	0.28	0.70	0.44	0.69	0.84	0.57	0.89	0.95	0.95	0.94	0.84	0.95	0.87	0.86	0.86	0.65	0.99	0.70	0.57	0.76	0.28	0.17	0.13	0.41	0.44	0.40	0.64	0.57	0.54	0.59	0.52	0.59	0.59	0.52	0.53	0.44	0.48	0.52	0.54	0.54	0.41	0.16	1.00	1.00	1.00
6	16	19	0.91	0.13	0.70	0.45	0.68	0.87	0.63	0.87	0.92	0.91	0.96	0.85	0.91	0.87	0.83	0.83	0.70	0.98	0.63	0.62	0.77	0.13	0.05	0.01	0.14	0.17	0.14	0.33	0.28	0.26	0.13	0.05	0.28	0.31	0.20	0.20	0.15	0.17	0.20	0.26	0.22	0.09	0.00	1.00	1.00	1.00
6	16	20	0.86	0.23	0.70	0.55	0.72	0.92	0.61	0.87	0.87	0.86	0.94	0.84	0.86	0.86	0.76	0.75	0.71	0.96	0.56	0.75	0.83	0.23	0.12	0.00	0.00	0.01	0.00	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	16	21	0.81	0.17	0.77	0.55	0.73	0.89	0.56	0.84	0.83	0.81	0.93	0.82	0.81	0.84	0.72	0.71	0.80	0.93	0.52	0.76	0.87	0.17	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	22	0.79	0.22	0.78	0.45	0.72	0.87	0.53	0.81	0.81	0.79	0.88	0.81	0.79	0.83	0.64	0.62	0.87	0.93	0.51	0.59	0.85	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	23	0.74	0.23	0.73	0.35	0.69	0.77	0.53	0.79	0.76	0.73	0.82	0.78	0.74	0.81	0.61	0.60	0.84	0.95	0.37	0.55	0.85	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	16	24	0.70	0.21	0.72	0.32	0.64	0.56	0.53	0.76	0.73	0.70	0.77	0.77	0.71	0.80	0.62	0.60	0.80	0.96	0.31	0.43	0.84	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	1	0.65	0.18	0.77	0.27	0.59	0.52	0.51	0.74	0.68	0.65	0.76	0.79	0.66	0.81	0.63	0.62	0.71	0.94	0.27	0.37	0.76	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	2	0.52	0.17	0.90	0.24	0.53	0.52	0.47	0.72	0.56	0.51	0.75	0.74	0.53	0.77	0.60	0.59	0.55	0.92	0.30	0.32	0.72	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	3	0.51	0.12	0.95	0.26	0.45	0.46	0.40	0.72	0.55	0.50	0.74	0.70	0.52	0.73	0.60	0.58	0.46	0.89	0.51	0.34	0.66	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	4	0.48	0.12	0.95	0.29	0.34	0.42	0.35	0.69	0.53	0.48	0.72	0.67	0.49	0.71	0.58	0.56	0.43	0.90	0.67	0.38	0.67	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	5	0.45	0.14	0.96	0.36	0.18	0.33	0.31	0.61	0.50	0.45	0.69	0.62	0.46	0.66	0.55	0.53	0.33	0.85	0.77	0.44	0.58	0.14	0.04	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.17	0.11	0.05	0.17	1.00	1.00	1.00
6	17	6	0.38	0.07	0.98	0.40	0.03	0.24	0.24	0.55	0.43	0.38	0.62	0.60	0.39	0.65	0.53	0.52	0.24	0.72	0.74	0.37	0.40	0.07	0.00	0.01	0.21	0.43	0.20	0.33	0.20	0.21	0.29	0.10	0.33	0.41	0.46	0.40	0.37	0.32	0.40	0.49	0.47	0.42	0.54	1.00	1.00	1.00
6	17	7	0.26	0.06	0.98	0.37	0.00	0.12	0.21	0.44	0.31	0.25	0.58	0.51	0.27	0.55	0.48	0.47	0.20	0.46	0.73	0.26	0.30	0.06	0.00	0.04	0.41	0.66	0.40	0.65	0.54	0.53	0.59	0.26	0.67	0.69	0.70	0.66	0.66	0.62	0.66	0.70	0.69	0.67	0.82	1.00	1.00	1.00
6	17	8	0.19	0.08	0.97	0.35	0.00	0.03	0.15	0.32	0.25	0.19	0.57	0.52	0.20	0.57	0.43	0.41	0.18	0.34	0.74	0.26	0.33	0.08	0.01	0.26	0.60	0.81	0.59	0.84	0.75	0.73	0.77	0.40	0.87	0.86	0.83	0.84	0.83	0.81	0.83	0.81	0.81	0.83	0.96	1.00	1.00	1.00
6	17	9	0.18	0.13	0.95	0.36	0.00	0.08	0.13	0.22	0.24	0.17	0.56	0.62	0.19	0.67	0.40	0.38	0.18	0.24	0.71	0.25	0.34	0.13	0.04	0.48	0.75	0.93	0.74	0.94	0.85	0.84	0.88	0.63	0.99	0.96	0.93	0.92	0.92	0.92	0.91	0.87	0.90	0.92	1.00	1.00	1.00	1.00
6	17	10	0.13	0.18	0.92	0.34	0.00	0.07	0.11	0.14	0.19	0.12	0.55	0.64	0.14	0.68	0.36	0.33	0.21	0.16	0.72	0.28	0.45	0.18	0.08	0.65	0.86	0.98	0.84	0.97	0.91	0.90	0.93	0.87	1.00	1.00	0.97	0.96	0.93	0.98	0.95	0.90	0.93	0.95	1.00	1.00	1.00	1.00
6	17	11	0.06	0.20	0.93	0.32	0.00	0.03	0.11	0.12	0.12	0.05	0.60	0.65	0.07	0.69	0.32	0.30	0.22	0.12	0.80	0.26	0.56	0.20	0.10	0.76	0.91	0.99	0.89	0.99	0.91	0.90	0.94	1.00	1.00	1.00	0.97	0.96	0.94	0.98	0.95	0.89	0.93	0.93	1.00	1.00	1.00	1.00
6	17	12	0.05	0.22	0.94	0.26	0.00	0.06	0.11	0.18	0.10	0.04	0.67	0.61	0.06	0.65	0.28	0.26	0.26	0.09	0.82	0.23	0.59	0.22	0.11	0.81	0.92	0.97	0.90	0.99	0.89	0.88	0.92	1.00	1.00	0.99	0.96	0.96	0.90	0.95	0.95	0.85	0.90	0.91	0.96	1.00	1.00	1.00
6	17	13	0.07	0.24	0.94	0.20	0.00	0.09	0.11	0.31	0.13	0.06	0.71	0.60	0.08	0.64	0.28	0.26	0.28	0.06	0.81	0.20	0.57	0.24	0.13	0.82	0.90	0.94	0.89	0.97	0.86	0.85	0.89	0.98	1.00	0.96	0.95	0.93	0.88	0.94	0.93	0.86	0.89	0.90	0.92	1.00	1.00	1.00
6	17	14	0.14	0.26	0.96	0.16	0.00	0.11	0.12	0.50	0.20	0.13	0.71	0.60	0.15	0.64	0.31	0.29	0.32	0.06	0.69	0.22	0.60	0.26	0.16	0.79	0.90	0.91	0.88	0.96	0.85	0.85	0.90	0.98	1.00	0.97	0.95	0.95	0.92	0.93	0.94	0.87	0.90	0.91	0.73	1.00	1.00	1.00
6	17	15	0.24	0.43	0.98	0.14	0.01	0.14	0.14	0.69	0.30	0.23	0.72	0.68	0.25	0.72	0.36	0.34	0.37	0.07	0.73	0.23	0.66	0.43	0.34	0.71	0.86	0.88	0.85	0.96	0.85	0.85	0.90	0.97	0.98	0.96	0.93	0.93	0.91	0.93	0.93	0.87	0.89	0.90	0.66	1.00	1.00	1.00
6	17	16	0.34	0.68	0.98	0.14	0.10	0.18	0.17	0.83	0.39	0.33	0.77	0.76	0.35	0.79	0.42	0.40	0.39	0.10	0.87	0.25	0.67	0.68	0.58	0.57	0.78	0.78	0.76	0.93	0.82	0.80	0.85	0.93	0.94	0.89	0.89	0.87	0.82	0.84	0.86	0.84	0.86	0.84	0.39	1.00	1.00	1.00
6	17	17	0.48	0.37	0.99	0.15	0.33	0.25	0.20	0.88	0.52	0.47	0.82	0.81	0.48	0.83	0.45	0.43	0.39	0.21	0.83	0.27	0.76	0.37	0.28	0.38	0.64	0.65	0.63	0.85	0.74	0.72	0.76	0.80	0.83	0.80	0.78	0.75	0.72	0.73	0.75	0.75	0.75	0.71	0.26	1.00	1.00	1.00
6	17	18	0.72	0.25	1.00	0.17	0.51	0.28	0.22	0.90	0.75	0.72	0.85	0.80	0.73	0.83	0.46	0.44	0.33	0.43	0.75	0.29	0.80	0.25	0.15	0.14	0.41	0.44	0.41	0.64	0.56	0.53	0.58	0.56	0.60	0.59	0.55	0.52	0.51	0.48	0.52	0.55	0.61	0.45	0.06	1.00	1.00	1.00
6	17	19	0.82	0.35	0.99	0.23	0.65	0.54	0.24	0.88	0.84	0.82	0.83	0.79	0.83	0.81	0.47	0.45	0.27	0.65	0.66	0.35	0.83	0.35	0.25	0.01	0.15	0.18	0.14	0.31	0.30	0.24	0.12	0.11	0.27	0.31	0.22	0.20	0.18	0.16	0.20	0.26	0.28	0.10	0.00	1.00	1.00	1.00
6	17	20	0.84	0.53	0.98	0.38	0.76	0.86	0.22	0.85	0.85	0.83	0.80	0.75	0.84	0.78	0.50	0.48	0.24	0.69	0.61	0.47	0.95	0.53	0.44	0.00	0.00	0.01	0.00	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	17	21	0.82	0.58	0.93	0.41	0.78	0.89	0.24	0.81	0.84	0.82	0.73	0.75	0.82	0.78	0.53	0.51	0.21	0.59	0.52	0.40	0.96	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	22	0.76	0.67	0.84	0.39	0.78	0.86	0.19	0.76	0.78	0.76	0.63	0.74	0.77	0.77	0.50	0.49	0.16	0.47	0.48	0.23	0.92	0.67	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	23	0.70	0.78	0.69	0.41	0.77	0.64	0.13	0.75	0.73	0.70	0.51	0.69	0.71	0.73	0.47	0.45	0.14	0.33	0.51	0.19	0.85	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	17	24	0.72	0.89	0.65	0.37	0.75	0.38	0.07	0.73	0.74	0.71	0.44	0.65	0.72	0.69	0.44	0.42	0.16	0.37	0.47	0.17	0.78	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	1	0.72	0.93	0.73	0.43	0.68	0.29	0.05	0.63	0.75	0.72	0.40	0.68	0.72	0.72	0.40	0.38	0.18	0.46	0.46	0.15	0.73	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	2	0.62	0.83	0.75	0.41	0.54	0.30	0.02	0.46	0.66	0.62	0.35	0.76	0.63	0.79	0.36	0.33	0.15	0.40	0.50	0.06	0.64	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	3	0.49	0.64	0.76	0.31	0.35	0.15	0.01	0.36	0.53	0.48	0.32	0.79	0.50	0.82	0.32	0.30	0.12	0.33	0.55	0.03	0.55	0.63	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	4	0.41	0.65	0.74	0.28	0.25	0.13	0.00	0.30	0.46	0.40	0.26	0.73	0.42	0.76	0.27	0.25	0.08	0.24	0.55	0.06	0.52	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	5	0.31	0.64	0.69	0.29	0.22	0.09	0.00	0.21	0.36	0.30	0.20	0.63	0.32	0.67	0.19	0.17	0.06	0.18	0.48	0.09	0.47	0.64	0.56	0.00	0.01	0.12	0.01	0.03	0.00	0.00	0.01	0.00	0.01	0.02	0.06	0.03	0.02	0.01	0.03	0.19	0.11	0.07	0.25	1.00	1.00	1.00
6	18	6	0.19	0.56	0.54	0.30	0.14	0.04	0.00	0.12	0.25	0.18	0.14	0.58	0.20	0.62	0.10	0.08	0.04	0.10	0.39	0.08	0.31	0.56	0.47	0.01	0.20	0.46	0.19	0.36	0.21	0.21	0.27	0.12	0.29	0.38	0.42	0.39	0.34	0.25	0.38	0.52	0.47	0.45	0.62	1.00	1.00	1.00
6	18	7	0.12	0.36	0.39	0.22	0.03	0.02	0.00	0.01	0.18	0.12	0.08	0.52	0.13	0.57	0.03	0.02	0.03	0.07	0.45	0.03	0.13	0.36	0.26	0.04	0.40	0.68	0.40	0.67	0.54	0.52	0.58	0.35	0.65	0.68	0.68	0.66	0.64	0.59	0.65	0.72	0.70	0.69	0.83	1.00	1.00	1.00
6	18	8	0.08	0.31	0.31	0.13	0.00	0.00	0.00	0.00	0.14	0.07	0.08	0.44	0.09	0.50	0.02	0.01	0.03	0.09	0.47	0.00	0.09	0.31	0.21	0.26	0.60	0.84	0.59	0.85	0.73	0.72	0.76	0.53	0.85	0.86	0.84	0.83	0.80	0.80	0.82	0.84	0.83	0.84	0.96	1.00	1.00	1.00
6	18	9	0.07	0.28	0.28	0.11	0.00	0.00	0.00	0.00	0.13	0.06	0.08	0.40	0.08	0.47	0.03	0.02	0.04	0.10	0.51	0.00	0.02	0.28	0.17	0.48	0.75	0.93	0.73	0.95	0.84	0.82	0.85	0.72	0.94	0.96	0.92	0.92	0.88	0.89	0.91	0.88	0.90	0.91	1.00	1.00	1.00	1.00
6	18	10	0.05	0.24	0.27	0.07	0.00	0.00	0.00	0.00	0.11	0.04	0.09	0.32	0.06	0.38	0.04	0.02	0.05	0.11	0.52	0.00	0.00	0.24	0.13	0.64	0.84	0.98	0.82	0.99	0.89	0.87	0.91	0.80	1.00	1.00	0.96	0.96	0.90	0.94	0.95	0.90	0.92	0.94	1.00	1.00	1.00	1.00
6	18	11	0.04	0.19	0.27	0.03	0.00	0.01	0.00	0.00	0.09	0.03	0.10	0.21	0.05	0.28	0.05	0.04	0.05	0.09	0.56	0.00	0.01	0.19	0.08	0.74	0.89	0.99	0.87	0.99	0.89	0.88	0.92	0.89	1.00	0.99	0.96	0.95	0.94	0.98	0.94	0.91	0.92	0.94	1.00	1.00	1.00	1.00
6	18	12	0.02	0.14	0.35	0.02	0.00	0.00	0.00	0.00	0.07	0.01	0.12	0.17	0.03	0.24	0.07	0.05	0.05	0.05	0.63	0.02	0.02	0.14	0.05	0.81	0.91	0.98	0.89	0.98	0.87	0.85	0.90	0.98	1.00	0.98	0.95	0.94	0.94	0.95	0.94	0.88	0.89	0.92	0.99	1.00	1.00	1.00
6	18	13	0.02	0.13	0.43	0.01	0.00	0.00	0.00	0.05	0.07	0.01	0.22	0.23	0.03	0.30	0.07	0.06	0.07	0.02	0.69	0.08	0.04	0.13	0.04	0.81	0.89	0.96	0.88	0.96	0.84	0.83	0.88	0.97	1.00	0.95	0.94	0.92	0.88	0.94	0.91	0.86	0.88	0.90	0.99	1.00	1.00	1.00
6	18	14	0.03	0.15	0.49	0.02	0.00	0.00	0.00	0.12	0.09	0.03	0.37	0.33	0.04	0.40	0.08	0.06	0.08	0.01	0.76	0.16	0.07	0.15	0.05	0.78	0.89	0.96	0.87	0.95	0.83	0.83	0.89	0.98	1.00	0.96	0.94	0.93	0.93	0.95	0.92	0.88	0.89	0.91	0.99	1.00	1.00	1.00
6	18	15	0.05	0.20	0.60	0.02	0.02	0.02	0.00	0.21	0.10	0.04	0.47	0.42	0.06	0.48	0.08	0.07	0.08	0.00	0.76	0.20	0.12	0.20	0.09	0.70	0.85	0.93	0.84	0.95	0.83	0.83	0.89	0.95	0.98	0.95	0.93	0.92	0.89	0.93	0.91	0.87	0.88	0.89	0.95	1.00	1.00	1.00
6	18	16	0.11	0.24	0.63	0.03	0.13	0.03	0.00	0.34	0.17	0.10	0.55	0.44	0.12	0.50	0.09	0.07	0.09	0.00	0.73	0.25	0.20	0.24	0.13	0.57	0.77	0.86	0.76	0.92	0.80	0.80	0.85	0.91	0.93	0.91	0.88	0.86	0.82	0.86	0.85	0.84	0.85	0.82	0.86	1.00	1.00	1.00
6	18	17	0.16	0.30	0.62	0.06	0.35	0.17	0.00	0.42	0.22	0.16	0.61	0.43	0.17	0.49	0.08	0.06	0.08	0.00	0.70	0.34	0.44	0.30	0.19	0.38	0.64	0.72	0.63	0.85	0.72	0.71	0.76	0.80	0.81	0.80	0.78	0.75	0.70	0.74	0.74	0.76	0.77	0.69	0.65	1.00	1.00	1.00
6	18	18	0.31	0.34	0.54	0.14	0.54	0.35	0.00	0.43	0.36	0.30	0.61	0.41	0.32	0.47	0.08	0.06	0.07	0.01	0.57	0.45	0.73	0.34	0.23	0.14	0.41	0.47	0.41	0.69	0.56	0.53	0.58	0.57	0.54	0.58	0.57	0.53	0.47	0.49	0.52	0.59	0.60	0.43	0.20	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
6	18	19	0.46	0.46	0.58	0.20	0.72	0.67	0.00	0.46	0.50	0.45	0.64	0.43
6	18	20	0.52	0.50	0.64	0.34	0.83	0.83	0.00	0.50	0.56	0.51	0.74	0.58
6	18	21	0.50	0.46	0.79	0.37	0.85	0.79	0.00	0.50	0.54	0.49	0.72	0.65
6	18	22	0.46	0.34	0.74	0.31	0.86	0.79	0.00	0.45	0.50	0.45	0.67	0.62
6	18	23	0.36	0.32	0.64	0.26	0.85	0.68	0.00	0.38	0.41	0.35	0.60	0.54
6	18	24	0.27	0.27	0.48	0.27	0.83	0.62	0.00	0.31	0.32	0.26	0.48	0.46
6	19	1	0.20	0.19	0.30	0.31	0.77	0.77	0.00	0.25	0.26	0.19	0.36	0.43
6	19	2	0.18	0.14	0.19	0.35	0.70	0.82	0.00	0.24	0.23	0.17	0.30	0.40
6	19	3	0.24	0.12	0.16	0.31	0.65	0.60	0.00	0.22	0.30	0.23	0.31	0.38
6	19	4	0.22	0.10	0.14	0.25	0.60	0.36	0.00	0.17	0.27	0.21	0.32	0.38
6	19	5	0.21	0.10	0.11	0.22	0.54	0.23	0.00	0.11	0.27	0.20	0.26	0.36
6	19	6	0.18	0.10	0.04	0.18	0.44	0.13	0.00	0.05	0.24	0.17	0.16	0.32
6	19	7	0.14	0.08	0.00	0.07	0.25	0.06	0.00	0.01	0.19	0.13	0.12	0.27
6	19	8	0.16	0.05	0.00	0.03	0.09	0.01	0.01	0.00	0.22	0.15	0.13	0.15
6	19	9	0.16	0.03	0.00	0.05	0.01	0.00	0.03	0.02	0.22	0.15	0.19	0.03
6	19	10	0.20	0.02	0.00	0.10	0.00	0.00	0.02	0.07	0.26	0.19	0.16	0.00
6	19	11	0.20	0.04	0.00	0.16	0.00	0.00	0.04	0.13	0.25	0.19	0.15	0.00
6	19	12	0.21	0.06	0.00	0.24	0.01	0.00	0.05	0.22	0.26	0.20	0.22	0.00
6	19	13	0.26	0.09	0.00	0.32	0.06	0.00	0.04	0.31	0.32	0.26	0.33	0.00
6	19	14	0.32	0.14	0.00	0.40	0.11	0.00	0.04	0.37	0.37	0.31	0.42	0.01
6	19	15	0.40	0.20	0.00	0.47	0.16	0.00	0.03	0.43	0.45	0.40	0.48	0.04
6	19	16	0.53	0.22	0.00	0.53	0.24	0.04	0.03	0.48	0.57	0.52	0.51	0.13
6	19	17	0.59	0.19	0.00	0.57	0.38	0.38	0.02	0.51	0.63	0.58	0.52	0.23
6	19	18	0.62	0.19	0.00	0.59	0.53	0.52	0.02	0.48	0.65	0.61	0.53	0.32
6	19	19	0.66	0.49	0.00	0.57	0.69	0.69	0.02	0.48	0.69	0.66	0.51	0.35
6	19	20	0.73	0.41	0.05	0.64	0.83	0.72	0.02	0.47	0.76	0.73	0.45	0.37
6	19	21	0.69	0.34	0.14	0.61	0.84	0.86	0.04	0.41	0.71	0.68	0.40	0.46
6	19	22	0.59	0.40	0.23	0.56	0.80	0.91	0.05	0.39	0.62	0.58	0.49	0.56
6	19	23	0.47	0.65	0.32	0.48	0.76	0.85	0.06	0.35	0.51	0.46	0.41	0.50
6	19	24	0.46	0.59	0.38	0.50	0.70	0.75	0.05	0.27	0.50	0.45	0.35	0.51
6	20	1	0.45	0.53	0.37	0.48	0.64	0.68	0.05	0.26	0.50	0.45	0.39	0.55
6	20	2	0.39	0.34	0.35	0.40	0.59	0.68	0.03	0.24	0.44	0.38	0.44	0.51
6	20	3	0.34	0.33	0.33	0.33	0.58	0.66	0.01	0.20	0.39	0.33	0.44	0.48
6	20	4	0.27	0.23	0.25	0.26	0.57	0.54	0.00	0.16	0.33	0.26	0.36	0.48
6	20	5	0.23	0.41	0.21	0.19	0.54	0.48	0.00	0.12	0.29	0.23	0.28	0.48
6	20	6	0.20	0.29	0.10	0.15	0.47	0.33	0.00	0.09	0.26	0.19	0.24	0.47
6	20	7	0.15	0.12	0.01	0.07	0.31	0.10	0.00	0.02	0.21	0.14	0.23	0.38
6	20	8	0.20	0.05	0.00	0.08	0.21	0.04	0.00	0.03	0.26	0.19	0.31	0.24
6	20	9	0.29	0.10	0.00	0.12	0.12	0.07	0.00	0.09	0.34	0.28	0.39	0.13
6	20	10	0.38	0.19	0.00	0.17	0.06	0.04	0.00	0.15	0.43	0.38	0.43	0.10
6	20	11	0.35	0.22	0.00	0.23	0.01	0.03	0.01	0.22	0.40	0.34	0.47	0.10
6	20	12	0.33	0.27	0.00	0.30	0.00	0.02	0.03	0.26	0.38	0.33	0.50	0.13
6	20	13	0.42	0.23	0.00	0.36	0.01	0.03	0.06	0.29	0.47	0.41	0.52	0.18
6	20	14	0.46	0.18	0.00	0.41	0.07	0.04	0.10	0.33	0.51	0.46	0.55	0.28
6	20	15	0.54	0.13	0.04	0.41	0.20	0.05	0.15	0.38	0.58	0.53	0.59	0.38
6	20	16	0.60	0.15	0.29	0.41	0.32	0.12	0.18	0.46	0.64	0.60	0.60	0.47
6	20	17	0.71	0.40	0.56	0.41	0.38	0.41	0.24	0.57	0.73	0.70	0.66	0.52
6	20	18	0.76	0.39	0.58	0.41	0.45	0.59	0.33	0.69	0.78	0.75	0.70	0.62
6	20	19	0.74	0.46	0.63	0.41	0.62	0.71	0.42	0.76	0.76	0.73	0.80	0.71
6	20	20	0.76	0.32	0.68	0.54	0.80	0.96	0.46	0.78	0.78	0.75	0.82	0.79
6	20	21	0.62	0.22	0.70	0.56	0.85	0.90	0.53	0.75	0.65	0.61	0.77	0.79
6	20	22	0.49	0.33	0.73	0.42	0.87	0.89	0.59	0.78	0.53	0.48	0.68	0.75
6	20	23	0.38	0.23	0.67	0.39	0.85	0.82	0.62	0.78	0.43	0.38	0.50	0.67
6	20	24	0.34	0.11	0.69	0.35	0.82	0.73	0.65	0.75	0.39	0.33	0.41	0.63
6	21	1	0.34	0.12	0.77	0.27	0.81	0.73	0.67	0.76	0.39	0.33	0.32	0.59
6	21	2	0.38	0.22	0.72	0.18	0.78	0.81	0.66	0.73	0.43	0.38	0.26	0.57
6	21	3	0.39	0.25	0.75	0.13	0.75	0.77	0.65	0.67	0.44	0.38	0.22	0.55
6	21	4	0.37	0.33	0.74	0.06	0.73	0.79	0.65	0.63	0.42	0.36	0.19	0.53
6	21	5	0.31	0.39	0.64	0.03	0.69	0.70	0.62	0.62	0.36	0.30	0.19	0.52
6	21	6	0.29	0.29	0.48	0.02	0.64	0.49	0.54	0.55	0.34	0.28	0.16	0.50
6	21	7	0.15	0.12	0.40	0.01	0.52	0.18	0.49	0.39	0.21	0.14	0.11	0.45
6	21	8	0.09	0.16	0.44	0.01	0.33	0.07	0.44	0.26	0.15	0.08	0.09	0.35
6	21	9	0.04	0.12	0.38	0.01	0.16	0.11	0.39	0.18	0.09	0.03	0.07	0.16
6	21	10	0.00	0.08	0.29	0.01	0.04	0.11	0.35	0.11	0.02	0.00	0.08	0.02
6	21	11	0.00	0.06	0.27	0.02	0.00	0.14	0.37	0.07	0.00	0.00	0.13	0.00
6	21	12	0.00	0.04	0.24	0.05	0.00	0.20	0.42	0.11	0.00	0.00	0.14	0.00
6	21	13	0.00	0.08	0.26	0.08	0.02	0.24	0.48	0.23	0.03	0.00	0.23	0.01
6	21	14	0.08	0.35	0.30	0.12	0.11	0.30	0.57	0.48	0.14	0.08	0.31	0.04
6	21	15	0.19	0.42	0.34	0.16	0.29	0.31	0.63	0.73	0.25	0.18	0.36	0.13
6	21	16	0.23	0.28	0.41	0.20	0.48	0.33	0.67	0.85	0.29	0.22	0.41	0.29
6	21	17	0.27	0.39	0.51	0.23	0.63	0.37	0.73	0.89	0.32	0.26	0.45	0.39
6	21	18	0.27	0.38	0.58	0.28	0.71	0.45	0.76	0.90	0.33	0.26	0.45	0.41
6	21	19	0.32	0.51	0.62	0.34	0.78	0.73	0.78	0.89	0.37	0.31	0.48	0.44
6	21	20	0.44	0.52	0.66	0.42	0.85	0.96	0.78	0.90	0.48	0.43	0.46	0.50
6	21	21	0.43	0.54	0.69	0.45	0.86	0.87	0.79	0.89	0.47	0.42	0.50	0.68
6	21	22	0.42	0.46	0.75	0.34	0.84	0.73	0.78	0.88	0.47	0.42	0.39	0.72
6	21	23	0.44	0.36	0.74	0.25	0.84	0.81	0.75	0.87	0.49	0.43	0.29	0.68
6	21	24	0.41	0.25	0.70	0.22	0.83	0.76	0.73	0.87	0.45	0.40	0.24	0.61
6	22	1	0.40	0.28	0.70	0.19	0.83	0.47	0.70	0.84	0.45	0.39	0.21	0.54
6	22	2	0.38	0.26	0.62	0.14	0.83	0.38	0.68	0.80	0.43	0.37	0.16	0.44
6	22	3	0.29	0.14	0.57	0.07	0.83	0.39	0.66	0.75	0.34	0.28	0.11	0.31
6	22	4	0.25	0.24	0.51	0.06	0.83	0.28	0.66	0.66	0.30	0.24	0.12	0.18
6	22	5	0.19	0.45	0.42	0.04	0.84	0.28	0.67	0.56	0.25	0.18	0.08	0.13
6	22	6	0.16	0.55	0.33	0.03	0.79	0.36	0.68	0.42	0.22	0.15	0.05	0.07
6	22	7	0.03	0.53	0.28	0.02	0.62	0.25	0.66	0.29	0.08	0.02	0.01	0.01
6	22	8	0.00	0.45	0.30	0.01	0.43	0.12	0.63	0.15	0.02	0.00	0.00	0.00
6	22	9	0.00	0.26	0.30	0.01	0.27	0.09	0.58	0.05	0.00	0.00	0.00	0.00
6	22	10	0.00	0.12	0.28	0.03	0.16	0.12	0.55	0.00	0.00	0.00	0.00	0.00
6	22	11	0.00	0.16	0.33	0.06	0.11	0.15	0.52	0.00	0.00	0.00	0.00	0.00
6	22	12	0.00	0.40	0.38	0.11	0.10	0.21	0.56	0.00	0.00	0.00	0.00	0.00
6	22	13	0.00	0.50	0.50	0.18	0.17	0.27	0.60	0.02	0.00	0.00	0.03	0.01
6	22	14	0.00	0.62	0.57	0.27	0.30	0.31	0.66	0.14	0.03	0.00	0.08	0.02
6	22	15	0.08	0.23	0.58	0.33	0.47	0.32	0.75	0.35	0.14	0.07	0.16	0.04
6	22	16	0.18	0.16	0.59	0.36	0.60	0.38	0.78	0.59	0.24	0.17	0.29	0.05
6	22	17	0.25	0.35	0.69	0.42	0.66	0.53	0.80	0.73	0.31	0.24	0.41	0.23
6	22	18	0.28	0.38	0.78	0.46	0.69	0.63	0.81	0.80	0.33	0.27	0.44	0.44
6	22	19	0.36	0.69	0.78	0.44	0.73	0.88	0.82	0.87	0.41	0.36	0.44	0.57
6	22	20	0.45	0.46	0.72	0.49	0.82	0.98	0.84	0.88	0.50	0.45	0.49	0.67
6	22	21	0.49	0.27	0.74	0.51	0.85	0.91	0.81	0.87	0.53	0.48	0.53	0.58
6	22	22	0.53	0.33	0.72	0.43	0.85	0.94	0.78	0.86	0.57	0.53	0.52	0.53
6	22	23	0.55	0.57	0.67	0.37	0.85	0.95	0.78	0.86	0.58	0.54	0.47	0.50
6	22	24	0.55	0.46	0.60	0.32	0.84	0.69	0.76	0.86	0.59	0.54	0.38	0.47
6	23	1	0.56	0.37	0.58	0.29	0.83	0.56	0.74	0.85	0.60	0.56	0.28	0.43
6	23	2	0.51	0.29	0.64	0.25	0.84	0.44	0.72	0.82	0.55	0.50	0.20	0.41
6	23	3	0.50	0.29	0.69	0.27	0.83	0.45	0.69	0.80	0.54	0.49	0.15	0.38
6	23	4	0.47	0.16	0.58	0.25	0.82	0.48	0.66	0.75	0.51	0.46	0.11	0.37
6	23	5	0.37	0.13	0.41	0.22	0.79	0.27	0.65	0.69	0.41	0.36	0.06	0.22
6	23	6	0.40	0.17	0.32	0.18	0.70	0.31	0.61	0.62	0.45	0.39	0.01	0.10
6	23	7	0.33	0.23	0.28	0.07	0.45	0.21	0.51	0.54	0.38	0.32	0.00	0.01
6	23	8	0.29	0.18	0.22	0.04	0.28	0.05	0.37	0.45	0.34	0.28	0.00	0.00
6	23	9	0.24	0.09	0.15	0.05	0.20	0.09	0.34	0.39	0.29	0.23	0.04	0.01
6	23	10	0.18	0.06	0.10	0.10	0.15	0.12	0.31	0.39	0.24	0.17	0.11	0.02
6	23	11	0.17	0.04	0.06	0.23	0.09	0.20	0.31	0.43	0.22	0.16	0.12	0.02
6	23	12	0.28	0.04	0.07	0.35	0.11	0.21	0.33	0.57	0.33	0.27	0.15	0.02
6	23	13	0.47	0.25	0.08	0.41	0.19	0.21	0.37	0.78	0.52	0.47	0.22	0.03
6	23	14	0.61	0.49	0.11	0.44	0.31	0.22	0.44	0.92	0.65	0.61	0.38	0.04
6	23	15	0.67	0.45	0.17	0.48	0.48	0.24	0.51	0.95	0.70	0.67	0.52	0.09
6	23	16	0.76	0.33	0.28	0.52	0.65	0.41	0.59	0.96	0.78	0.76	0.55	0.30
6	23	17	0.86	0.47	0.44	0.55	0.77	0.52	0.68	0.96	0.87	0.85	0.57	0.42
6	23	18	0.90	0.13	0.60	0.58	0.81	0.78	0.71	0.95	0.91	0.90	0.55	0.44
6	23	19	0.90	0.10	0.64	0.64	0.84	0.95	0.76	0.90	0.91	0.90	0.53	0.49
6	23	20	0.89	0.18	0.65	0.61	0.91	0.99	0.80	0.87	0.90	0.89	0.49	0.59
6	23	21	0.78	0.08	0.68	0.51	0.91	0.98	0.79	0.85	0.80	0.78	0.52	0.54
6	23	22	0.63	0.08	0.64	0.48	0.91	0.98	0.80	0.81	0.66	0.63	0.52	0.51
6	23	23	0.55	0.11	0.63	0.44	0.91	0.97	0.82	0.77	0.58	0.54	0.49	0.48
6	23	24	0.53	0.09	0.64	0.33	0.91	0.90	0.82	0.75	0.57	0.52	0.44	0.47
6	24	1	0.53	0.10	0.63	0.29	0.89	0.79	0.79	0.73	0.57	0.53	0.41	0.43
6	24	2	0.50	0.21	0.57	0.26	0.87	0.49	0.76	0.68	0.55	0.50	0.38	0.42
6	24	3	0.45	0.27	0.53	0.26	0.86	0.38	0.71	0.64	0.49	0.44	0.30	0.42
6	24	4	0.47	0.15	0.53	0.25	0.84	0.45	0.66	0.63	0.51	0.46	0.28	0.40
6	24	5	0.44	0.05	0.51	0.25	0.79	0.57	0.57	0.63	0.49	0.43	0.28	0.42
6	24	6	0.42	0.05	0.41	0.16	0.67	0.61	0.56	0.61	0.46	0.41	0.25	0.42
6	24	7	0.38	0.02	0.35	0.07	0.43	0.27	0.49	0.55	0.43	0.38	0.20	0.38
6	24	8	0.49	0.03	0.39	0.04	0.23	0.13	0.39	0.53	0.53	0.48	0.16	0.33
6	24	9	0.64	0.03	0.40	0.04	0.12	0.12	0.42	0.58	0.67	0.63	0.18	0.21

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S
6	18	19	0.46	0.48	0.08	0.06	0.08	0.10	0.40	0.52	0.87	0.46	0.36	0.01	0.15	0.19	0.14	0.35	0.29	0.23	0.05
6	18	20	0.52	0.63	0.12	0.10	0.11	0.10	0.36	0.59	0.90	0.50	0.40	0.00	0.01	0.01	0.01	0.06	0.02	0.01	0.00
6	18	21	0.50	0.70	0.13	0.11	0.12	0.03	0.40	0.68	0.81	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	18	22	0.46	0.66	0.09	0.07	0.07	0.03	0.46	0.69	0.75	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	18	23	0.37	0.59	0.07	0.05	0.05	0.04	0.42	0.63	0.69	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	18	24	0.28	0.51	0.07	0.05	0.04	0.06	0.32	0.59	0.67	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	1	0.21	0.49	0.06	0.04	0.04	0.20	0.33	0.51	0.63	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	2	0.19	0.47	0.05	0.04	0.05	0.42	0.31	0.41	0.54	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	3	0.25	0.45	0.05	0.04	0.06	0.54	0.31	0.30	0.43	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	4	0.23	0.44	0.05	0.03	0.07	0.59	0.34	0.19	0.35	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	5	0.22	0.43	0.03	0.02	0.08	0.64	0.29	0.14	0.37	0.10	0.02	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01
6	19	6	0.19	0.39	0.03	0.02	0.08	0.65	0.15	0.11	0.30	0.10	0.02	0.01	0.19	0.43	0.19	0.31	0.14	0.20	0.28
6	19	7	0.15	0.34	0.02	0.01	0.04	0.67	0.15	0.07	0.17	0.08	0.00	0.04	0.39	0.65	0.38	0.59	0.41	0.50	0.58
6	19	8	0.17	0.23	0.02	0.01	0.04	0.78	0.16	0.08	0.11	0.05	0.00	0.25	0.58	0.82	0.57	0.76	0.65	0.67	0.76
6	19	9	0.17	0.09	0.04	0.02	0.04	0.75	0.15	0.20	0.05	0.03	0.00	0.47	0.73	0.90	0.72	0.90	0.83	0.82	0.86
6	19	10	0.21	0.04	0.05	0.04	0.04	0.69	0.14	0.37	0.02	0.02	0.00	0.63	0.83	0.95	0.82	0.95	0.90	0.87	0.90
6	19	11	0.21	0.04	0.08	0.06	0.04	0.50	0.14	0.53	0.02	0.04	0.00	0.74	0.88	0.96	0.86	0.95	0.91	0.88	0.91
6	19	12	0.22	0.06	0.11	0.09	0.03	0.33	0.15	0.60	0.03	0.06	0.00	0.80	0.91	0.94	0.89	0.95	0.89	0.86	0.90
6	19	13	0.27	0.07	0.13	0.11	0.03	0.33	0.16	0.64	0.04	0.09	0.01	0.81	0.90	0.90	0.88	0.94	0.86	0.84	0.88
6	19	14	0.33	0.07	0.15	0.13	0.04	0.37	0.18	0.66	0.06	0.14	0.05	0.78	0.89	0.89	0.87	0.94	0.86	0.83	0.89
6	19	15	0.41	0.10	0.19	0.17	0.04	0.44	0.18	0.62	0.08	0.21	0.10	0.70	0.85	0.83	0.84	0.94	0.86	0.83	0.88
6	19	16	0.53	0.20	0.23	0.21	0.08	0.52	0.19	0.59	0.12	0.22	0.11	0.57	0.77	0.73	0.76	0.91	0.83	0.79	0.84
6	19	17	0.60	0.31	0.26	0.24	0.15	0.64	0.17	0.58	0.17	0.19	0.08	0.38	0.64	0.61	0.63	0.84	0.74	0.70	0.75
6	19	18	0.62	0.38	0.26	0.24	0.18	0.73	0.15	0.57	0.26	0.19	0.10	0.14	0.42	0.44	0.41	0.68	0.55	0.52	0.55
6	19	19	0.67	0.41	0.23	0.21	0.17	0.78	0.14	0.55	0.53	0.49	0.37	0.01	0.15	0.19	0.14	0.35	0.28	0.26	0.12
6	19	20	0.74	0.43	0.28	0.26	0.15	0.79	0.17	0.54	0.68	0.41	0.31	0.00	0.01	0.01	0.01	0.06	0.02	0.01	0.00
6	19	21	0.69	0.52	0.29	0.27	0.19	0.72	0.18	0.49	0.61	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	22	0.60	0.61	0.28	0.26	0.21	0.74	0.18	0.46	0.57	0.40	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	23	0.48	0.55	0.28	0.26	0.22	0.79	0.24	0.41	0.51	0.65	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	19	24	0.47	0.57	0.26	0.24	0.22	0.82	0.28	0.36	0.43	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	1	0.46	0.60	0.26	0.24	0.30	0.83	0.31	0.33	0.37	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	2	0.40	0.57	0.26	0.24	0.45	0.80	0.16	0.30	0.30	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	3	0.35	0.53	0.25	0.22	0.56	0.76	0.14	0.27	0.24	0.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	4	0.28	0.53	0.23	0.21	0.62	0.71	0.19	0.16	0.19	0.22	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	5	0.24	0.53	0.21	0.19	0.65	0.62	0.23	0.08	0.09	0.41	0.29	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01
6	20	6	0.21	0.53	0.18	0.16	0.52	0.50	0.18	0.04	0.02	0.29	0.18	0.01	0.20	0.38	0.20	0.32	0.16	0.21	0.29
6	20	7	0.16	0.44	0.13	0.11	0.34	0.33	0.12	0.05	0.00	0.12	0.03	0.04	0.40	0.59	0.39	0.63	0.45	0.53	0.59
6	20	8	0.21	0.32	0.12	0.10	0.23	0.37	0.09	0.11	0.00	0.05	0.00	0.26	0.60	0.71	0.59	0.78	0.73	0.72	0.77
6	20	9	0.30	0.20	0.14	0.12	0.19	0.46	0.06	0.15	0.00	0.10	0.02	0.48	0.76	0.82	0.75	0.89	0.86	0.84	0.88
6	20	10	0.39	0.17	0.17	0.15	0.17	0.51	0.03	0.16	0.02	0.19	0.09	0.65	0.86	0.84	0.84	0.97	0.91	0.88	0.92
6	20	11	0.36	0.17	0.21	0.19	0.13	0.55	0.13	0.19	0.04	0.22	0.11	0.76	0.90	0.85	0.89	0.99	0.93	0.89	0.92
6	20	12	0.34	0.21	0.24	0.21	0.15	0.60	0.37	0.23	0.09	0.27	0.16	0.81	0.91	0.86	0.90	0.98	0.90	0.88	0.91
6	20	13	0.43	0.26	0.27	0.25	0.18	0.62	0.22	0.24	0.16	0.23	0.12	0.82	0.90	0.85	0.89	0.96	0.87	0.85	0.88
6	20	14	0.47	0.35	0.31	0.29	0.21	0.70	0.38	0.25	0.24	0.18	0.08	0.79	0.90	0.87	0.88	0.96	0.87	0.85	0.90
6	20	15	0.54	0.44	0.34	0.32	0.30	0.78	0.39	0.23	0.24	0.13	0.04	0.71	0.86	0.82	0.85	0.95	0.86	0.85	0.90
6	20	16	0.61	0.53	0.40	0.38	0.24	0.79	0.23	0.24	0.21	0.15	0.06	0.57	0.78	0.73	0.76	0.93	0.84	0.81	0.85
6	20	17	0.71	0.57	0.49	0.47	0.27	0.81	0.21	0.27	0.20	0.40	0.28	0.38	0.64	0.62	0.63	0.85	0.75	0.73	0.77
6	20	18	0.76	0.66	0.47	0.46	0.35	0.79	0.22	0.32	0.19	0.39	0.29	0.14	0.42	0.44	0.42	0.69	0.59	0.56	0.58
6	20	19	0.74	0.74	0.51	0.49	0.39	0.73	0.29	0.39	0.34	0.46	0.35	0.01	0.15	0.17	0.15	0.35	0.31	0.25	0.14
6	20	20	0.76	0.82	0.64	0.63	0.40	0.72	0.36	0.43	0.61	0.32	0.21	0.00	0.01	0.01	0.01	0.06	0.02	0.01	0.00
6	20	21	0.62	0.82	0.74	0.73	0.30	0.67	0.42	0.41	0.70	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	22	0.50	0.78	0.75	0.74	0.28	0.64	0.38	0.32	0.68	0.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	23	0.39	0.71	0.71	0.70	0.35	0.62	0.34	0.17	0.64	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	20	24	0.35	0.68	0.58	0.56	0.35	0.61	0.33	0.11	0.65	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	1	0.34	0.64	0.47	0.45	0.24	0.56	0.29	0.10	0.72	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	2	0.39	0.62	0.40	0.38	0.19	0.55	0.30	0.04	0.62	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	3	0.40	0.60	0.37	0.35	0.18	0.50	0.40	0.00	0.41	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	4	0.38	0.58	0.31	0.29	0.14	0.45	0.41	0.00	0.16	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	5	0.32	0.57	0.23	0.20	0.08	0.31	0.34	0.00	0.07	0.39	0.28	0.00	0.01	0.12	0.01	0.02	0.00	0.00	0.01
6	21	6	0.30	0.55	0.14	0.12	0.03	0.21	0.19	0.00	0.02	0.29	0.17	0.01	0.21	0.45	0.20	0.35	0.18	0.22	0.30
6	21	7	0.16	0.51	0.07	0.05	0.00	0.12	0.13	0.00	0.00	0.12	0.03	0.04	0.41	0.66	0.40	0.65	0.52	0.54	0.58
6	21	8	0.10	0.42	0.05	0.04	0.00	0.11	0.08	0.00	0.02	0.16	0.05	0.26	0.61	0.82	0.60	0.83	0.75	0.72	0.76
6	21	9	0.05	0.23	0.05	0.04	0.00	0.10	0.03	0.00	0.07	0.12	0.03	0.49	0.77	0.92	0.75	0.93	0.85	0.84	0.87
6	21	10	0.00	0.09	0.07	0.05	0.00	0.04	0.02	0.00	0.16	0.08	0.01	0.65	0.86	0.96	0.84	0.98	0.91	0.88	0.92
6	21	11	0.00	0.06	0.09	0.07	0.00	0.01	0.03	0.00	0.23	0.06	0.00	0.75	0.90	0.96	0.88	0.99	0.91	0.89	0.92
6	21	12	0.00	0.07	0.13	0.11	0.00	0.01	0.06	0.00	0.31	0.04	0.00	0.80	0.90	0.94	0.88	0.97	0.89	0.87	0.91
6	21	13	0.01	0.08	0.16	0.14	0.01	0.00	0.23	0.00	0.36	0.08	0.01	0.80	0.89	0.91	0.87	0.95	0.86	0.84	0.88
6	21	14	0.09	0.11	0.20	0.18	0.03	0.01	0.44	0.00	0.38	0.35	0.23	0.78	0.89	0.89	0.87	0.95	0.86	0.84	0.89
6	21	15	0.20	0.20	0.26	0.23	0.04	0.01	0.32	0.00	0.36	0.42	0.30	0.71	0.86	0.86	0.84	0.94	0.85	0.84	0.89
6	21	16	0.24	0.36	0.30	0.28	0.08	0.02	0.20	0.00	0.38	0.28	0.18	0.57	0.78	0.77	0.76	0.91	0.83	0.81	0.85
6	21	17	0.27	0.45	0.34	0.32	0.18	0.03	0.33	0.00	0.36	0.39	0.28	0.38	0.64	0.63	0.63	0.84	0.74	0.72	0.76
6	21	18	0.28	0.47	0.36	0.34	0.22	0.03	0.31	0.00	0.32	0.38	0.28	0.14	0.42	0.44	0.41	0.68	0.55	0.56	0.59
6	21	19	0.32	0.50	0.35	0.33	0.18	0.02	0.33	0.05	0.41	0.51	0.41	0.01	0.14	0.18	0.14	0.35	0.27	0.20	0.11
6	21	20	0.44	0.54	0.44	0.43	0.09	0.01	0.42	0.06	0.57	0.52	0.43	0.00	0.01	0.01	0.01	0.06	0.02	0.01	0.00
6	21	21	0.43	0.72	0.49	0.47	0.04	0.00	0.35	0.03	0.61	0.54	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	22	0.43	0.76	0.47	0.45	0.01	0.02	0.37	0.02	0.57	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	23	0.45	0.71	0.48	0.46	0.01	0.09	0.36	0.00	0.58	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	21	24	0.42	0.66	0.45	0.43	0.03	0.16	0.29	0.00	0.51	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	1	0.41	0.59	0.45	0.43	0.08	0.23	0.26	0.00	0.32	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	2	0.39	0.50	0.45	0.43	0.14	0.15	0.21	0.00	0.17	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	3	0.30	0.38	0.41	0.39	0.15	0.07	0.12	0.00	0.07	0.14	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	4	0.26	0.25	0.39	0.36	0.19	0.04	0.08	0.00	0.05	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	5	0.20	0.21	0.35	0.33	0.14	0.02	0.02	0.00	0.04	0.45	0.35	0.00	0.01	0.12	0.01	0.02	0.00	0.00	0.01
6	22	6	0.17	0.14	0.25	0.23	0.08	0.01	0.03	0.00	0.02	0.55	0.46	0.01	0.20	0.45	0.20	0.34	0.20	0.22	0.27
6	22	7	0.04	0.07	0.17	0.15	0.02	0.00	0.05	0.00	0.00	0.53	0.43	0.04	0.41	0.66	0.40	0.65	0.54	0.54	0.57
6	22	8	0.00	0.03	0.14	0.12	0.01	0.00	0.02	0.00	0.00	0.45	0.35	0.25	0.61	0.82	0.59	0.83	0.75	0.73	0.76
6	22	9	0.00	0.00	0.13	0.11	0.00	0.00	0.00	0.00	0.00	0.26	0.16	0.48	0.75	0.91	0.74	0.93	0.86	0.83	0.84
6	22	10	0.00	0.01	0.15	0.13	0.01	0.00	0.01	0.00	0.00	0.12	0.03	0.64	0.84	0.94	0.82	0.94	0.90	0.89	0.90
6	22	11	0.00	0.02	0.21	0.19	0.02	0.00	0.07	0.00	0.00	0.16	0.07	0.73	0.88	0.93	0.86	0.96	0.91	0.90	0.91
6	22	12	0.00	0.05	0.29	0.26	0.04	0.01	0.43	0.01	0.00	0.40	0.29	0.78	0.88	0.90	0.86	0.88	0.89	0.87	0.89
6	22	13	0.00	0.07	0.39	0.37	0.05	0.01	0.51	0.06	0.01	0.50	0.41	0.78	0.86	0.86	0.84	0.74	0.86	0.85	0.87
6	22	14	0.00	0.08	0.48	0.46	0.09	0.01	0.38	0.08	0.02	0.62	0.52	0.74	0.84	0.83	0.83	0.74	0.86	0.84	0.88
6	22	15	0.09	0.11	0.57	0.56	0.15	0.01	0.32	0.11	0.04	0.22	0.13	0.66	0.81	0.82	0.79	0.69	0.85	0.84	0.87
6	22	16	0.19	0.12	0.66	0.65	0.21	0.01	0.30	0.14	0.06	0.16	0.07	0.53	0.72	0.73	0.71	0.54	0.83	0.81	0.84
6	22	17	0.26	0.31	0.73	0.72	0.25	0.01	0.29	0.17	0.11	0.35	0.23	0.36	0.60	0.64	0.59	0.55	0.75	0.73	0.76
6	22	18	0.29	0.50	0.73	0.72	0.24	0.01	0.19	0.24	0.18	0.38	0.29	0.13	0.38	0.43	0.37	0.34	0.60	0.56	0.57
6	22	19	0.37	0.62	0.69	0.67	0.20	0.02	0.28	0.39	0.50	0.69	0.59	0.01	0.13	0.18	0.13	0.16	0.32	0.30	0.13
6	22	20	0.46	0.71	0.62	0.61	0.29	0.08	0.30	0.52	0.87	0.46	0.36	0.00	0.00	0.01	0.00	0.02	0.03	0.02	0.00
6	22	21	0.50	0.63	0.60	0.58	0.37	0.14	0.37	0.53	0.89	0.27	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	22	0.54	0.58	0.53	0.52	0.59	0.37	0.43	0.48	0.85	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	23	0.55	0.56	0.47	0.45	0.74	0.68	0.49	0.38	0.81	0.57	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	22	24	0.56	0.53	0.40	0.38	0.63	0.69	0.52	0.33	0.76	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	1	0.57	0.49	0.33	0.31	0.59	0.71	0.47	0.29	0.71	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	2	0.51	0.47	0.27	0.25	0.53	0.81	0.30	0.23	0.68	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	3	0.50	0.45	0.22	0.20	0.50	0.81	0.15	0.18	0.67	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	4	0.47	0.44	0.18	0.16	0.45	0.83	0.11	0.13	0.62	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	5	0.37	0.29	0.13	0.11	0.34	0.81	0.09	0.11	0.61	0.13	0.04	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01
6	23	6	0.41	0.17	0.06	0.04	0.26	0.79	0.05	0.10	0.49	0.17	0.07	0.01	0.18	0.40	0.18	0.34	0.18	0.22	0.16
6	23	7	0.34	0.06	0.02	0.01	0.23	0.68	0.01	0.08	0.39	0.23	0.11	0.04	0.38	0.61	0.38	0.65	0.54	0.51	0.45
6	23	8	0.29	0.05	0.01	0.00	0.22	0.63	0.01	0.08	0.40	0.18	0.07	0.25	0.60	0.77	0.58	0.84	0.74	0.73	0.73
6	23	9	0.25	0.08	0.01	0.00	0.16	0.54	0.02	0.13	0.32	0.09	0.01	0.46	0.73	0.86	0.72	0.94	0.86	0.83	0.81
6	23	10	0.19	0.09	0.02	0.01	0.10	0.40	0.02	0.26	0.19	0.06	0.00	0.63	0.83	0.91	0.81	0.98	0.91	0.89	0.82
6	23	11	0.17	0.09	0.04	0.03	0.07	0.32	0.03	0.41	0.12	0.04	0.00	0.73	0.87	0.95	0.86	0.99	0.92	0.89	0.83
6	23	12	0.29	0.09	0.10	0.08	0.04	0.48	0.03	0.47	0.09	0.04	0.00	0.79	0.89	0.93	0.87	0.98	0.90	0.88	0.84
6	23	13	0.48	0.11	0.17	0.14	0.06	0.63	0.05	0.51	0.12	0.25	0.14	0.79	0.87	0.90	0.86	0.95	0.86	0.84	0.87
6	23	14	0.62	0.11	0.26	0.23	0.07	0.71	0.09	0.52	0.16	0.49	0.38	0.75	0.85	0.87	0.84	0.96	0.86	0.84	0.87
6	23	15	0.68	0.16	0.35	0.32	0.15	0.78	0.15	0.50	0.21	0.45	0.35	0.68	0.82	0.80	0.81	0.96	0.86	0.85	0.88
6	23	16	0.77	0.37	0.39	0.37	0.18	0.83	0.30	0.50	0.28	0.33	0.24	0.57	0.77	0.68	0.76	0.93	0.84	0.81	0.85
6	23	17	0.86	0.48	0.45	0.43	0.22	0.89	0.48	0.49	0.44	0.47	0.35	0.38	0.64	0.57	0.62	0.86	0.76	0.73	0.77
6	23	18	0.90	0.49	0.51	0.49	0.24	0.92	0.44	0.52	0.64	0.13	0.05	0.14	0.42	0.38	0.41	0.69	0.58	0.57	0.59
6	23	19	0.90	0.55	0.52	0.51	0.18	0.92	0.49	0.54	0.75	0.10	0.02	0.01	0.14	0.12	0.14	0.33	0.30	0.27	0.14
6	23	20	0.89	0.64	0.60	0.59	0.17	0.91	0.50	0.63	0.85	0.19	0.07	0.00	0.01	0.00	0.01	0.05	0.02	0.01	0.00
6	23	21	0.78	0.59	0.65	0.64	0.23	0.88	0.48	0.57	0.87	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	22	0.64	0.56	0.62	0.61	0.30	0.88	0.55	0.48	0.84	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	23	0.55	0.54	0.58	0.56	0.24	0.90	0.54	0.42	0.83	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	23	24	0.54	0.52	0.52	0.51	0.36	0.92	0.27	0.41	0.82	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	1	0.54	0.49	0.49	0.48	0.36	0.92	0.19	0.44	0.77	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	2	0.51	0.48	0.43	0.42	0.34	0.91	0.10	0.45	0.70	0.22	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	3	0.46	0.48	0.40	0.38	0.45	0.91	0.13	0.42	0.66	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	4	0.48	0.46	0.35	0.33	0.42	0.90	0.17	0.32	0.62	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	5	0.45	0.48	0.26	0.24	0.39	0.84	0.14	0.25	0.54	0.05	0.00	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01
6	24	6	0.43	0.48	0.19	0.17	0.24	0.74	0.05	0.24	0.36	0.05	0.00	0.01	0.19	0.44	0.19	0.35	0.20	0.22	0.28
6	24	7	0.39	0.44	0.13	0.11	0.15	0.71	0.05	0.22	0.30	0.02	0.00	0.04	0.40	0.66	0.39	0.67	0.55	0.54	0.55
6	24	8	0.49	0.40	0.12	0.10	0.13	0.86	0.02	0.30	0.38	0.03	0.00	0.25	0.60	0.82	0.59	0.85	0.75	0.73	0.76
6	24	9	0.64	0.28	0.12	0.10	0.13	0.86	0.04	0.41	0.35	0.03	0.00	0.47	0.75	0.92	0.73	0.95	0.86	0.84	0.87

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
6	18	19	0.12	0.30	0.31	0.23	0.21	0.17	0.18	0.20	0.29	0.25	0.09	0.00	1.00	1.00	1.00
6	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
6	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	5	0.00	0.01	0.02	0.06	0.03	0.02	0.01	0.03	0.17	0.11	0.07	0.24	1.00	1.00	1.00
6	19	6	0.09	0.30	0.39	0.44	0.38	0.34	0.33	0.38	0.48	0.46	0.45	0.62	1.00	1.00	1.00
6	19	7	0.25	0.64	0.68	0.68	0.66	0.63	0.63	0.65	0.69	0.68	0.69	0.83	1.00	1.00	1.00
6	19	8	0.38	0.86	0.84	0.83	0.82	0.81	0.81	0.81	0.80	0.80	0.84	0.96	1.00	1.00	1.00
6	19	9	0.52	0.96	0.93	0.90	0.93	0.91	0.91	0.92	0.81	0.87	0.91	1.00	1.00	1.00	1.00
6	19	10	0.73	0.99	0.97	0.95	0.97	0.96	0.96	0.97	0.86	0.90	0.94	1.00	1.00	1.00	1.00
6	19	11	0.84	1.00	0.98	0.96	0.97	0.96	0.94	0.96	0.83	0.89	0.93	1.00	1.00	1.00	1.00
6	19	12	0.99	1.00	0.97	0.95	0.94	0.94	0.95	0.94	0.84	0.86	0.92	0.98	1.00	1.00	1.00
6	19	13	0.98	1.00	0.95	0.94	0.93	0.93	0.92	0.92	0.83	0.86	0.91	0.86	1.00	1.00	1.00
6	19	14	0.99	1.00	0.96	0.94	0.93	0.93	0.93	0.93	0.85	0.87	0.92	0.83	1.00	1.00	1.00
6	19	15	0.98	0.98	0.95	0.92	0.91	0.88	0.91	0.90	0.84	0.87	0.89	0.60	1.00	1.00	1.00
6	19	16	0.93	0.94	0.91	0.89	0.85	0.82	0.83	0.84	0.82	0.83	0.83	0.31	1.00	1.00	1.00
6	19	17	0.82	0.83	0.81	0.80	0.75	0.68	0.71	0.74	0.74	0.77	0.69	0.19	1.00	1.00	1.00
6	19	18	0.56	0.64	0.61	0.60	0.51	0.44	0.48	0.50	0.59	0.62	0.43	0.10	1.00	1.00	1.00
6	19	19	0.11	0.21	0.33	0.25	0.20	0.15	0.17	0.20	0.30	0.28	0.10	0.00	1.00	1.00	1.00
6	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	1.00	1.00	1.00
6	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	5	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.16	0.11	0.06	0.11	1.00	1.00	1.00
6	20	6	0.12	0.32	0.39	0.45	0.41	0.36	0.32	0.41	0.46	0.47	0.44	0.29	1.00	1.00	1.00
6	20	7	0.32	0.64	0.68	0.69	0.68	0.64	0.61	0.68	0.65	0.68	0.68	0.50	1.00	1.00	1.00
6	20	8	0.59	0.85	0.85	0.84	0.84	0.82	0.78	0.83	0.76	0.81	0.82	0.46	1.00	1.00	1.00
6	20	9	0.84	0.97	0.95	0.93	0.90	0.91	0.91	0.89	0.86	0.88	0.90	0.50	1.00	1.00	1.00
6	20	10	0.97	1.00	0.99	0.96	0.95	0.96	0.95	0.95	0.87	0.90	0.94	0.49	1.00	1.00	1.00
6	20	11	1.00	1.00	0.99	0.96	0.97	0.95	0.95	0.97	0.82	0.90	0.92	0.51	1.00	1.00	1.00
6	20	12	1.00	1.00	0.98	0.95	0.95	0.94	0.93	0.94	0.84	0.88	0.91	0.52	1.00	1.00	1.00
6	20	13	0.97	1.00	0.96	0.94	0.93	0.92	0.92	0.92	0.83	0.87	0.88	0.56	1.00	1.00	1.00
6	20	14	0.98	1.00	0.97	0.95	0.93	0.92	0.94	0.93	0.85	0.88	0.89	0.62	1.00	1.00	1.00
6	20	15	0.98	0.99	0.97	0.93	0.92	0.90	0.92	0.91	0.85	0.87	0.86	0.44	1.00	1.00	1.00
6	20	16	0.93	0.94	0.92	0.89	0.86	0.82	0.82	0.86	0.82	0.83	0.75	0.28	1.00	1.00	1.00
6	20	17	0.82	0.82	0.82	0.77	0.74	0.70	0.74	0.73	0.74	0.74	0.58	0.21	1.00	1.00	1.00
6	20	18	0.61	0.60	0.60	0.52	0.52	0.49	0.49	0.51	0.57	0.60	0.37	0.07	1.00	1.00	1.00
6	20	19	0.11	0.19	0.32	0.21	0.21	0.18	0.18	0.21	0.30	0.22	0.08	0.00	1.00	1.00	1.00
6	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	5	0.00	0.01	0.02	0.07	0.03	0.02	0.01	0.03	0.18	0.11	0.06	0.22	1.00	1.00	1.00
6	21	6	0.15	0.31	0.41	0.44	0.39	0.34	0.33	0.39	0.50	0.47	0.44	0.61	1.00	1.00	1.00
6	21	7	0.46	0.64	0.69	0.68	0.67	0.60	0.62	0.66	0.70	0.68	0.67	0.83	1.00	1.00	1.00
6	21	8	0.77	0.85	0.86	0.84	0.83	0.76	0.79	0.82	0.81	0.82	0.82	0.95	1.00	1.00	1.00
6	21	9	0.92	0.97	0.96	0.92	0.92	0.87	0.90	0.91	0.87	0.88	0.90	1.00	1.00	1.00	1.00
6	21	10	0.99	1.00	1.00	0.97	0.96	0.90	0.94	0.95	0.88	0.90	0.92	1.00	1.00	1.00	1.00
6	21	11	1.00	1.00	1.00	0.97	0.96	0.91	0.94	0.96	0.87	0.90	0.92	0.96	1.00	1.00	1.00
6	21	12	0.99	0.99	0.98	0.94	0.94	0.90	0.91	0.93	0.84	0.87	0.88	0.94	1.00	1.00	1.00
6	21	13	0.97	0.97	0.95	0.93	0.92	0.87	0.88	0.91	0.83	0.85	0.85	0.88	1.00	1.00	1.00
6	21	14	0.98	0.99	0.96	0.94	0.92	0.91	0.93	0.91	0.84	0.87	0.86	0.77	1.00	1.00	1.00
6	21	15	0.97	0.98	0.95	0.93	0.91	0.91	0.91	0.91	0.84	0.86	0.84	0.70	1.00	1.00	1.00
6	21	16	0.92	0.93	0.90	0.88	0.87	0.86	0.85	0.86	0.81	0.81	0.82	0.56	1.00	1.00	1.00
6	21	17	0.81	0.82	0.80	0.76	0.75	0.74	0.73	0.75	0.74	0.72	0.68	0.34	1.00	1.00	1.00
6	21	18	0.59	0.59	0.60	0.52	0.49	0.47	0.50	0.49	0.57	0.58	0.41	0.13	1.00	1.00	1.00
6	21	19	0.08	0.26	0.32	0.21	0.20	0.17	0.18	0.19	0.30	0.21	0.09	0.00	1.00	1.00	1.00
6	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
6	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	5	0.00	0.01	0.02	0.05	0.02	0.02	0.01	0.02	0.17	0.11	0.06	0.25	1.00	1.00	1.00
6	22	6	0.18	0.32	0.40	0.44	0.35	0.34	0.30	0.35	0.49	0.46	0.44	0.62	1.00	1.00	1.00
6	22	7	0.51	0.64	0.68	0.69	0.64	0.58	0.59	0.64	0.69	0.68	0.68	0.84	1.00	1.00	1.00
6	22	8	0.76	0.82	0.84	0.83	0.81	0.72	0.78	0.80	0.80	0.80	0.81	0.96	1.00	1.00	1.00
6	22	9	0.88	0.94	0.93	0.91	0.90	0.85	0.87	0.89	0.85	0.87	0.89	0.99	1.00	1.00	1.00
6	22	10	0.97	0.99	0.98	0.94	0.93	0.87	0.91	0.93	0.87	0.89	0.92	0.95	1.00	1.00	1.00
6	22	11	0.98	1.00	0.96	0.93	0.93	0.90	0.92	0.93	0.86	0.88	0.91	0.88	1.00	1.00	1.00
6	22	12	0.96	0.99	0.94	0.92	0.92	0.88	0.90	0.92	0.84	0.86	0.88	0.73	1.00	1.00	1.00
6	22	13	0.96	0.97	0.94	0.90	0.91	0.85	0.90	0.90	0.83	0.85	0.87	0.58	1.00	1.00	1.00
6	22	14	0.96	0.92	0.94	0.90	0.87	0.88	0.87	0.86	0.84	0.82	0.89	0.49	1.00	1.00	1.00
6	22	15	0.96	0.94	0.92	0.90	0.88	0.81	0.86	0.88	0.83	0.82	0.86	0.53	1.00	1.00	1.00
6	22	16	0.91	0.89	0.87	0.81	0.82	0.80	0.82	0.81	0.81	0.80	0.79	0.39	1.00	1.00	1.00
6	22	17	0.80	0.81	0.77	0.69	0.67	0.70	0.71	0.66	0.73	0.73	0.68	0.36	1.00	1.00	1.00
6	22	18	0.54	0.61	0.58	0.39	0.44	0.46	0.45	0.44	0.58	0.57	0.43	0.14	1.00	1.00	1.00
6	22	19	0.10	0.20	0.31	0.15	0.18	0.17	0.16	0.18	0.30	0.23	0.10	0.00	1.00	1.00	1.00
6	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	5	0.00	0.01	0.01	0.05	0.02	0.01	0.01	0.02	0.11	0.08	0.06	0.24	1.00	1.00	1.00
6	23	6	0.10	0.29	0.34	0.43	0.36	0.25	0.30	0.36	0.36	0.36	0.44	0.60	1.00	1.00	1.00
6	23	7	0.49	0.60	0.62	0.64	0.62	0.50	0.60	0.61	0.54	0.56	0.67	0.83	1.00	1.00	1.00
6	23	8	0.77	0.73	0.82	0.81	0.80	0.77	0.76	0.79	0.71	0.75	0.82	0.97	1.00	1.00	1.00
6	23	9	0.86	0.83	0.89	0.91	0.89	0.86	0.85	0.88	0.77	0.83	0.90	1.00	1.00	1.00	1.00
6	23	10	0.87	1.00	0.93	0.94	0.93	0.88	0.91	0.92	0.75	0.86	0.93	1.00	1.00	1.00	1.00
6	23	11	0.90	1.00	0.96	0.95	0.91	0.91	0.93	0.91	0.81	0.88	0.93	1.00	1.00	1.00	1.00
6	23	12	0.98	1.00	0.95	0.93	0.88	0.86	0.93	0.88	0.83	0.84	0.90	0.92	1.00	1.00	1.00
6	23	13	0.92	0.96	0.94	0.91	0.88	0.85	0.92	0.88	0.80	0.81	0.89	0.92	1.00	1.00	1.00
6	23	14	0.95	0.96	0.94	0.71	0.91	0.89	0.91	0.90	0.74	0.84	0.90	0.80	1.00	1.00	1.00
6	23	15	0.91	0.89	0.94	0.89	0.90	0.78	0.85	0.89	0.72	0.81	0.88	0.62	1.00	1.00	1.00
6	23	16	0.91	0.89	0.90	0.87	0.86	0.82	0.84	0.85	0.52	0.75	0.81	0.42	1.00	1.00	1.00
6	23	17	0.81	0.77	0.76	0.77	0.74	0.70	0.70	0.74	0.52	0.72	0.69	0.24	1.00	1.00	1.00
6	23	18	0.59	0.57	0.56	0.58	0.50	0.47	0.48	0.49	0.34	0.58	0.39	0.06	1.00	1.00	1.00
6	23	19	0.09	0.13	0.31	0.24	0.20	0.17	0.17	0.20	0.11	0.20	0.09	0.00	1.00	1.00	1.00
6	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
6	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	5	0.00	0.01	0.02	0.05	0.02	0.01	0.01	0.02	0.17	0.10	0.06	0.21	1.00	1.00	1.00
6	24	6	0.18	0.31	0.39	0.44	0.29	0.24	0.31	0.29	0.49	0.46	0.43	0.59	1.00	1.00	1.00
6	24	7	0.54	0.63	0.68	0.69	0.57	0.43	0.57	0.56	0.69	0.68	0.67	0.78	1.00	1.00	1.00
6	24	8	0.77	0.83	0.86	0.83	0.77	0.71	0.69	0.76	0.80	0.81	0.81	0.95	1.00	1.00	1.00
6	24	9	0.87	0.96	0.95	0.87	0.86	0.80	0.87	0.85	0.86	0.88	0.88	1.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_Ea	Greater_Imp
6	24	10	0.76	0.07	0.37	0.03	0.02	0.12	0.45	0.65	0.78	0.76	0.27	0.07
6	24	11	0.88	0.06	0.35	0.06	0.00	0.13	0.51	0.72	0.89	0.88	0.43	0.02
6	24	12	0.94	0.07	0.34	0.10	0.00	0.16	0.58	0.77	0.94	0.94	0.54	0.02
6	24	13	0.95	0.07	0.33	0.14	0.00	0.15	0.66	0.80	0.96	0.95	0.61	0.07
6	24	14	0.96	0.18	0.41	0.16	0.02	0.15	0.72	0.82	0.96	0.96	0.60	0.20
6	24	15	0.95	0.44	0.51	0.19	0.12	0.22	0.75	0.83	0.96	0.95	0.61	0.35
6	24	16	0.94	0.40	0.58	0.25	0.26	0.31	0.78	0.84	0.95	0.94	0.63	0.37
6	24	17	0.93	0.29	0.64	0.29	0.39	0.43	0.80	0.86	0.94	0.93	0.64	0.40
6	24	18	0.92	0.44	0.60	0.37	0.50	0.64	0.81	0.87	0.93	0.92	0.65	0.41
6	24	19	0.87	0.38	0.59	0.44	0.65	0.86	0.84	0.81	0.88	0.87	0.67	0.44
6	24	20	0.81	0.33	0.59	0.51	0.80	0.98	0.86	0.76	0.83	0.80	0.82	0.61
6	24	21	0.66	0.45	0.58	0.50	0.83	0.97	0.85	0.76	0.69	0.65	0.84	0.70
6	24	22	0.54	0.16	0.55	0.49	0.81	0.96	0.81	0.76	0.58	0.54	0.81	0.61
6	24	23	0.46	0.18	0.51	0.50	0.79	0.94	0.80	0.76	0.50	0.45	0.74	0.55
6	24	24	0.45	0.14	0.47	0.49	0.72	0.80	0.78	0.76	0.50	0.45	0.65	0.67
6	25	1	0.48	0.20	0.47	0.48	0.54	0.62	0.75	0.73	0.52	0.48	0.63	0.72
6	25	2	0.50	0.22	0.60	0.52	0.29	0.43	0.71	0.69	0.54	0.49	0.66	0.71
6	25	3	0.50	0.25	0.57	0.55	0.19	0.48	0.64	0.68	0.54	0.49	0.59	0.74
6	25	4	0.40	0.14	0.42	0.57	0.14	0.38	0.57	0.68	0.44	0.39	0.49	0.73
6	25	5	0.34	0.13	0.44	0.59	0.06	0.18	0.48	0.67	0.40	0.34	0.39	0.69
6	25	6	0.23	0.11	0.42	0.56	0.02	0.21	0.39	0.48	0.28	0.22	0.29	0.58
6	25	7	0.07	0.11	0.33	0.47	0.00	0.15	0.29	0.23	0.13	0.06	0.14	0.45
6	25	8	0.02	0.10	0.47	0.39	0.00	0.19	0.23	0.07	0.07	0.01	0.09	0.36
6	25	9	0.00	0.07	0.51	0.39	0.00	0.20	0.19	0.01	0.05	0.00	0.09	0.27
6	25	10	0.00	0.09	0.45	0.34	0.00	0.15	0.15	0.00	0.02	0.00	0.08	0.19
6	25	11	0.00	0.15	0.39	0.28	0.00	0.11	0.14	0.00	0.00	0.00	0.11	0.09
6	25	12	0.00	0.22	0.32	0.18	0.00	0.15	0.15	0.00	0.01	0.00	0.20	0.05
6	25	13	0.00	0.24	0.27	0.11	0.00	0.20	0.16	0.00	0.01	0.00	0.26	0.12
6	25	14	0.00	0.25	0.26	0.07	0.00	0.21	0.18	0.01	0.03	0.00	0.32	0.19
6	25	15	0.02	0.41	0.25	0.04	0.04	0.23	0.23	0.12	0.07	0.01	0.36	0.25
6	25	16	0.13	0.54	0.24	0.03	0.25	0.22	0.28	0.28	0.19	0.12	0.43	0.31
6	25	17	0.24	0.51	0.23	0.02	0.47	0.23	0.33	0.45	0.29	0.23	0.49	0.38
6	25	18	0.36	0.21	0.23	0.02	0.59	0.21	0.41	0.58	0.41	0.35	0.49	0.39
6	25	19	0.41	0.34	0.26	0.05	0.68	0.32	0.49	0.69	0.46	0.40	0.47	0.38
6	25	20	0.48	0.33	0.31	0.16	0.77	0.79	0.52	0.65	0.53	0.48	0.43	0.46
6	25	21	0.54	0.47	0.35	0.20	0.78	0.77	0.47	0.54	0.58	0.53	0.47	0.56
6	25	22	0.53	0.29	0.37	0.25	0.78	0.56	0.38	0.47	0.56	0.52	0.44	0.59
6	25	23	0.53	0.22	0.34	0.23	0.78	0.40	0.31	0.42	0.57	0.52	0.34	0.64
6	25	24	0.46	0.30	0.30	0.24	0.76	0.29	0.22	0.37	0.51	0.46	0.27	0.70
6	26	1	0.40	0.20	0.27	0.23	0.70	0.26	0.13	0.30	0.44	0.39	0.22	0.68
6	26	2	0.40	0.21	0.29	0.22	0.60	0.24	0.08	0.27	0.44	0.39	0.20	0.63
6	26	3	0.34	0.42	0.34	0.19	0.48	0.06	0.05	0.22	0.39	0.33	0.21	0.62
6	26	4	0.22	0.61	0.32	0.21	0.36	0.03	0.02	0.21	0.28	0.21	0.19	0.60
6	26	5	0.13	0.43	0.32	0.22	0.26	0.04	0.00	0.20	0.19	0.12	0.15	0.55
6	26	6	0.05	0.25	0.28	0.20	0.21	0.01	0.00	0.13	0.11	0.04	0.11	0.46
6	26	7	0.00	0.32	0.11	0.12	0.08	0.01	0.00	0.03	0.05	0.00	0.11	0.41
6	26	8	0.00	0.28	0.09	0.07	0.01	0.00	0.00	0.00	0.06	0.00	0.11	0.34
6	26	9	0.00	0.20	0.09	0.07	0.00	0.00	0.00	0.00	0.04	0.00	0.14	0.26
6	26	10	0.00	0.17	0.14	0.06	0.00	0.00	0.02	0.00	0.02	0.00	0.23	0.15
6	26	11	0.00	0.14	0.21	0.06	0.00	0.00	0.02	0.01	0.03	0.00	0.30	0.13
6	26	12	0.00	0.13	0.26	0.08	0.00	0.00	0.05	0.07	0.05	0.00	0.39	0.19
6	26	13	0.01	0.17	0.23	0.11	0.02	0.01	0.08	0.17	0.07	0.00	0.49	0.26
6	26	14	0.08	0.30	0.19	0.14	0.15	0.09	0.12	0.27	0.14	0.08	0.60	0.36
6	26	15	0.22	0.34	0.13	0.18	0.36	0.29	0.15	0.37	0.28	0.21	0.65	0.42
6	26	16	0.33	0.22	0.11	0.23	0.55	0.51	0.24	0.49	0.38	0.32	0.65	0.48
6	26	17	0.55	0.47	0.10	0.29	0.64	0.72	0.36	0.61	0.59	0.55	0.72	0.53
6	26	18	0.73	0.43	0.08	0.39	0.70	0.71	0.43	0.68	0.75	0.72	0.81	0.60
6	26	19	0.77	0.35	0.10	0.53	0.76	0.84	0.52	0.72	0.79	0.77	0.88	0.68
6	26	20	0.75	0.50	0.20	0.69	0.83	0.93	0.55	0.72	0.77	0.75	0.84	0.75
6	26	21	0.62	0.62	0.28	0.60	0.85	0.91	0.55	0.68	0.66	0.62	0.78	0.74
6	26	22	0.49	0.54	0.31	0.50	0.83	0.86	0.52	0.69	0.54	0.49	0.73	0.75
6	26	23	0.33	0.50	0.33	0.45	0.80	0.84	0.49	0.72	0.38	0.32	0.65	0.79
6	26	24	0.26	0.55	0.37	0.44	0.77	0.79	0.48	0.72	0.32	0.25	0.63	0.80
6	27	1	0.27	0.39	0.54	0.45	0.74	0.56	0.48	0.69	0.32	0.26	0.60	0.74
6	27	2	0.29	0.15	0.61	0.35	0.72	0.53	0.44	0.68	0.35	0.28	0.56	0.73
6	27	3	0.40	0.12	0.59	0.25	0.71	0.42	0.38	0.66	0.45	0.39	0.49	0.69
6	27	4	0.41	0.21	0.57	0.16	0.70	0.31	0.31	0.61	0.46	0.40	0.42	0.65
6	27	5	0.39	0.15	0.60	0.11	0.72	0.24	0.25	0.58	0.44	0.38	0.39	0.58
6	27	6	0.33	0.09	0.49	0.08	0.68	0.17	0.21	0.51	0.39	0.32	0.33	0.54
6	27	7	0.26	0.11	0.38	0.03	0.53	0.09	0.16	0.40	0.31	0.25	0.23	0.43
6	27	8	0.22	0.15	0.34	0.01	0.39	0.03	0.13	0.30	0.28	0.21	0.21	0.37
6	27	9	0.19	0.18	0.29	0.01	0.30	0.03	0.13	0.22	0.25	0.18	0.28	0.36
6	27	10	0.15	0.19	0.20	0.01	0.24	0.02	0.16	0.18	0.21	0.14	0.30	0.32
6	27	11	0.13	0.17	0.10	0.03	0.22	0.02	0.19	0.20	0.19	0.12	0.32	0.27
6	27	12	0.15	0.13	0.06	0.06	0.29	0.03	0.26	0.31	0.20	0.14	0.37	0.28
6	27	13	0.26	0.14	0.06	0.13	0.45	0.03	0.32	0.46	0.31	0.25	0.46	0.30
6	27	14	0.48	0.14	0.05	0.19	0.64	0.10	0.42	0.62	0.53	0.47	0.52	0.37
6	27	15	0.56	0.10	0.06	0.27	0.80	0.17	0.53	0.73	0.59	0.55	0.56	0.44
6	27	16	0.60	0.09	0.10	0.37	0.88	0.35	0.62	0.81	0.63	0.60	0.60	0.46
6	27	17	0.65	0.42	0.24	0.47	0.91	0.47	0.65	0.85	0.68	0.64	0.61	0.47
6	27	18	0.69	0.33	0.42	0.52	0.91	0.60	0.68	0.89	0.71	0.68	0.59	0.49
6	27	19	0.75	0.24	0.67	0.58	0.90	0.84	0.73	0.88	0.77	0.74	0.63	0.59
6	27	20	0.82	0.27	0.81	0.64	0.93	0.99	0.76	0.84	0.84	0.81	0.66	0.73
6	27	21	0.73	0.32	0.87	0.55	0.93	0.93	0.74	0.82	0.76	0.73	0.65	0.74
6	27	22	0.66	0.50	0.87	0.52	0.91	0.95	0.73	0.82	0.69	0.65	0.52	0.70
6	27	23	0.59	0.38	0.84	0.55	0.88	0.72	0.73	0.83	0.63	0.59	0.45	0.71
6	27	24	0.57	0.52	0.82	0.56	0.84	0.51	0.73	0.84	0.61	0.57	0.46	0.74
6	28	1	0.54	0.44	0.78	0.57	0.83	0.49	0.69	0.86	0.58	0.54	0.41	0.71
6	28	2	0.44	0.20	0.75	0.55	0.83	0.83	0.67	0.87	0.48	0.44	0.37	0.68
6	28	3	0.48	0.16	0.69	0.48	0.82	0.66	0.64	0.83	0.52	0.47	0.36	0.65
6	28	4	0.47	0.17	0.62	0.41	0.81	0.62	0.60	0.81	0.52	0.47	0.32	0.58
6	28	5	0.45	0.18	0.56	0.35	0.79	0.60	0.55	0.78	0.50	0.44	0.18	0.56
6	28	6	0.40	0.07	0.42	0.29	0.73	0.46	0.52	0.72	0.45	0.39	0.14	0.50
6	28	7	0.34	0.05	0.30	0.16	0.63	0.18	0.46	0.64	0.39	0.33	0.08	0.41
6	28	8	0.30	0.06	0.24	0.13	0.61	0.08	0.35	0.54	0.35	0.29	0.06	0.25
6	28	9	0.28	0.06	0.17	0.16	0.59	0.05	0.33	0.47	0.34	0.27	0.06	0.07
6	28	10	0.26	0.05	0.13	0.20	0.57	0.09	0.34	0.44	0.31	0.25	0.10	0.04
6	28	11	0.19	0.03	0.15	0.29	0.56	0.12	0.36	0.45	0.25	0.18	0.18	0.02
6	28	12	0.21	0.04	0.15	0.38	0.58	0.16	0.43	0.55	0.26	0.20	0.30	0.03
6	28	13	0.39	0.17	0.25	0.47	0.64	0.19	0.52	0.67	0.44	0.38	0.37	0.07
6	28	14	0.50	0.39	0.36	0.55	0.72	0.21	0.64	0.79	0.54	0.49	0.44	0.14
6	28	15	0.52	0.24	0.42	0.61	0.78	0.22	0.69	0.86	0.56	0.51	0.47	0.31
6	28	16	0.57	0.12	0.52	0.68	0.83	0.30	0.73	0.89	0.61	0.57	0.51	0.46
6	28	17	0.64	0.15	0.59	0.73	0.85	0.45	0.75	0.91	0.67	0.63	0.53	0.47
6	28	18	0.72	0.10	0.72	0.74	0.86	0.61	0.76	0.91	0.75	0.72	0.54	0.47
6	28	19	0.71	0.16	0.74	0.67	0.83	0.76	0.80	0.86	0.73	0.71	0.53	0.48
6	28	20	0.75	0.34	0.67	0.67	0.80	0.96	0.83	0.84	0.77	0.74	0.57	0.64
6	28	21	0.70	0.28	0.78	0.61	0.78	0.93	0.84	0.85	0.73	0.70	0.55	0.78
6	28	22	0.60	0.13	0.71	0.50	0.76	0.89	0.83	0.84	0.64	0.60	0.46	0.70
6	28	23	0.49	0.09	0.62	0.44	0.75	0.83	0.79	0.82	0.53	0.48	0.39	0.67
6	28	24	0.48	0.13	0.50	0.43	0.75	0.76	0.75	0.81	0.52	0.48	0.34	0.68
6	29	1	0.49	0.16	0.34	0.43	0.76	0.58	0.74	0.79	0.53	0.48	0.24	0.69
6	29	2	0.49	0.14	0.23	0.38	0.76	0.69	0.72	0.77	0.53	0.48	0.17	0.65
6	29	3	0.50	0.08	0.17	0.38	0.75	0.60	0.70	0.72	0.54	0.49	0.16	0.56
6	29	4	0.54	0.07	0.16	0.36	0.72	0.70	0.68	0.69	0.58	0.53	0.10	0.52
6	29	5	0.57	0.04	0.11	0.33	0.70	0.79	0.67	0.66	0.60	0.56	0.05	0.48
6	29	6	0.48	0.02	0.08	0.31	0.65	0.64	0.65	0.61	0.52	0.47	0.04	0.40
6	29	7	0.37	0.02	0.04	0.24	0.58	0.20	0.60	0.46	0.42	0.36	0.02	0.34
6	29	8	0.38	0.01	0.01	0.29	0.49	0.18	0.52	0.36	0.43	0.37	0.02	0.25
6	29	9	0.37	0.00	0.02	0.32	0.42	0.17	0.51	0.33	0.42	0.36	0.04	0.11
6	29	10	0.37	0.01	0.03	0.34	0.33	0.22	0.51	0.32	0.42	0.36	0.07	0.01
6	29	11	0.37	0.02	0.01	0.36	0.25	0.19	0.47	0.31	0.41	0.36	0.12	0.00
6	29	12	0.49	0.11	0.06	0.39	0.19	0.15	0.46	0.37	0.54	0.49	0.20	0.00
6	29	13	0.59	0.36	0.07	0.43	0.18	0.18	0.53	0.50	0.63	0.58	0.30	0.00
6	29	14	0.62	0.23	0.19	0.44	0.22	0.16	0.65	0.61	0.66	0.62	0.40	0.02
6	29	15	0.65	0.38	0.32	0.43	0.32	0.13	0.70	0.69	0.68	0.64	0.48	0.06
6	29	16	0.68	0.31	0.45	0.43	0.43	0.18	0.72	0.74	0.70	0.67	0.51	0.16
6	29	17	0.71	0.17	0.62	0.44	0.53	0.25	0.75	0.80	0.74	0.71	0.51	0.39
6	29	18	0.74	0.09	0.60	0.44	0.59	0.40	0.77	0.85	0.77	0.74	0.47	0.43
6	29	19	0.73	0.37	0.53	0.43	0.66	0.63	0.79	0.82	0.75	0.73	0.44	0.41
6	29	20	0.73	0.39	0.46	0.49	0.77	0.89	0.81	0.78	0.76	0.73	0.40	0.41
6	29	21	0.53	0.14	0.50	0.47	0.80	0.85	0.82	0.80	0.57	0.53	0.43	0.54
6	29	22	0.39	0.21	0.51	0.39	0.79	0.71	0.81	0.82	0.44	0.38	0.42	0.68
6	29	23	0.36	0.13	0.49	0.33	0.79	0.80	0.84	0.82	0.41	0.35	0.38	0.66
6	29	24	0.35	0.07	0.49	0.34	0.81	0.66	0.80	0.79	0.40	0.34	0.33	0.61

Wind (continued)

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx_	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
6	24	10	0.77	0.14	0.14	0.12	0.10	0.84	0.11	0.51	0.38	0.07	0.00
6	24	11	0.88	0.09	0.17	0.15	0.07	0.79	0.21	0.54	0.46	0.06	0.00
6	24	12	0.94	0.09	0.23	0.21	0.06	0.82	0.29	0.59	0.58	0.07	0.00
6	24	13	0.95	0.13	0.32	0.30	0.05	0.91	0.33	0.62	0.69	0.07	0.00
6	24	14	0.96	0.27	0.41	0.39	0.04	0.96	0.39	0.63	0.72	0.18	0.08
6	24	15	0.95	0.42	0.50	0.48	0.07	0.98	0.49	0.64	0.75	0.44	0.32
6	24	16	0.94	0.43	0.56	0.55	0.10	0.99	0.52	0.61	0.78	0.40	0.29
6	24	17	0.93	0.46	0.62	0.61	0.16	0.99	0.58	0.60	0.75	0.29	0.20
6	24	18	0.92	0.47	0.69	0.68	0.21	0.98	0.62	0.61	0.73	0.44	0.33
6	24	19	0.87	0.50	0.76	0.75	0.27	0.95	0.59	0.64	0.71	0.38	0.27
6	24	20	0.81	0.66	0.68	0.67	0.32	0.94	0.66	0.72	0.83	0.33	0.23
6	24	21	0.66	0.74	0.63	0.62	0.31	0.93	0.63	0.72	0.85	0.45	0.32
6	24	22	0.55	0.65	0.56	0.54	0.24	0.94	0.57	0.74	0.86	0.15	0.07
6	24	23	0.47	0.59	0.49	0.47	0.37	0.96	0.57	0.66	0.75	0.18	0.07
6	24	24	0.46	0.71	0.44	0.42	0.67	0.96	0.62	0.58	0.66	0.14	0.05
6	25	1	0.49	0.76	0.42	0.40	0.72	0.93	0.63	0.47	0.63	0.20	0.09
6	25	2	0.50	0.74	0.43	0.41	0.69	0.85	0.69	0.40	0.57	0.22	0.12
6	25	3	0.51	0.77	0.40	0.38	0.59	0.76	0.70	0.30	0.54	0.25	0.14
6	25	4	0.41	0.76	0.36	0.34	0.57	0.57	0.68	0.26	0.50	0.14	0.05
6	25	5	0.35	0.73	0.32	0.30	0.49	0.39	0.66	0.27	0.43	0.13	0.04
6	25	6	0.24	0.63	0.22	0.20	0.31	0.17	0.64	0.22	0.27	0.11	0.02
6	25	7	0.08	0.51	0.14	0.12	0.24	0.04	0.64	0.11	0.11	0.11	0.02
6	25	8	0.02	0.43	0.09	0.07	0.20	0.03	0.61	0.06	0.10	0.10	0.02
6	25	9	0.01	0.34	0.06	0.04	0.17	0.06	0.57	0.08	0.07	0.07	0.00
6	25	10	0.00	0.26	0.03	0.02	0.14	0.05	0.56	0.13	0.07	0.09	0.01
6	25	11	0.00	0.16	0.02	0.01	0.14	0.03	0.51	0.15	0.07	0.15	0.05
6	25	12	0.00	0.12	0.02	0.01	0.13	0.02	0.45	0.17	0.09	0.22	0.11
6	25	13	0.00	0.19	0.02	0.01	0.12	0.02	0.40	0.19	0.12	0.24	0.13
6	25	14	0.00	0.27	0.02	0.01	0.13	0.02	0.36	0.19	0.16	0.25	0.15
6	25	15	0.02	0.32	0.03	0.01	0.15	0.03	0.30	0.17	0.16	0.41	0.31
6	25	16	0.14	0.38	0.03	0.02	0.18	0.05	0.26	0.16	0.17	0.54	0.44
6	25	17	0.25	0.45	0.05	0.03	0.20	0.06	0.22	0.15	0.20	0.51	0.40
6	25	18	0.37	0.45	0.07	0.05	0.26	0.12	0.21	0.14	0.26	0.20	0.12
6	25	19	0.42	0.44	0.11	0.09	0.28	0.26	0.33	0.17	0.52	0.34	0.23
6	25	20	0.49	0.51	0.19	0.17	0.30	0.40	0.36	0.22	0.72	0.33	0.22
6	25	21	0.55	0.61	0.22	0.20	0.34	0.34	0.36	0.22	0.75	0.47	0.35
6	25	22	0.53	0.63	0.17	0.15	0.27	0.26	0.28	0.18	0.72	0.29	0.18
6	25	23	0.54	0.68	0.16	0.14	0.22	0.22	0.31	0.14	0.66	0.22	0.12
6	25	24	0.47	0.74	0.18	0.15	0.23	0.19	0.38	0.12	0.64	0.30	0.18
6	26	1	0.40	0.71	0.17	0.15	0.17	0.18	0.39	0.08	0.65	0.20	0.10
6	26	2	0.40	0.67	0.17	0.15	0.15	0.17	0.44	0.03	0.57	0.21	0.11
6	26	3	0.35	0.66	0.18	0.16	0.15	0.15	0.50	0.01	0.53	0.42	0.32
6	26	4	0.23	0.65	0.19	0.17	0.11	0.11	0.45	0.00	0.42	0.61	0.51
6	26	5	0.14	0.60	0.19	0.17	0.10	0.09	0.32	0.00	0.35	0.43	0.33
6	26	6	0.06	0.52	0.18	0.15	0.08	0.05	0.23	0.00	0.18	0.25	0.15
6	26	7	0.01	0.47	0.12	0.10	0.04	0.01	0.19	0.00	0.08	0.32	0.21
6	26	8	0.01	0.41	0.10	0.08	0.05	0.01	0.16	0.00	0.08	0.28	0.16
6	26	9	0.00	0.33	0.12	0.10	0.04	0.00	0.12	0.01	0.09	0.20	0.09
6	26	10	0.00	0.22	0.14	0.12	0.05	0.00	0.15	0.04	0.12	0.17	0.07
6	26	11	0.00	0.20	0.16	0.14	0.05	0.00	0.19	0.18	0.15	0.14	0.04
6	26	12	0.00	0.26	0.17	0.14	0.03	0.00	0.25	0.33	0.25	0.13	0.04
6	26	13	0.02	0.33	0.16	0.14	0.02	0.01	0.36	0.48	0.31	0.17	0.07
6	26	14	0.09	0.42	0.16	0.14	0.03	0.04	0.36	0.56	0.35	0.30	0.19
6	26	15	0.23	0.48	0.15	0.13	0.03	0.08	0.52	0.57	0.37	0.34	0.23
6	26	16	0.34	0.53	0.16	0.14	0.04	0.13	0.20	0.55	0.41	0.22	0.13
6	26	17	0.56	0.58	0.16	0.14	0.05	0.22	0.13	0.55	0.47	0.47	0.36
6	26	18	0.73	0.64	0.17	0.14	0.06	0.43	0.18	0.54	0.50	0.43	0.33
6	26	19	0.77	0.72	0.21	0.19	0.09	0.62	0.41	0.51	0.59	0.35	0.26
6	26	20	0.75	0.78	0.27	0.25	0.11	0.66	0.50	0.54	0.77	0.50	0.40
6	26	21	0.63	0.77	0.27	0.25	0.11	0.56	0.55	0.59	0.81	0.62	0.54
6	26	22	0.50	0.77	0.25	0.23	0.12	0.54	0.45	0.54	0.72	0.54	0.46
6	26	23	0.34	0.82	0.22	0.19	0.10	0.64	0.55	0.46	0.72	0.50	0.41
6	26	24	0.27	0.82	0.20	0.18	0.11	0.69	0.49	0.39	0.70	0.55	0.45
6	27	1	0.28	0.77	0.18	0.16	0.09	0.70	0.39	0.35	0.68	0.39	0.28
6	27	2	0.30	0.76	0.15	0.13	0.07	0.69	0.27	0.35	0.62	0.15	0.06
6	27	3	0.41	0.73	0.12	0.10	0.05	0.66	0.16	0.38	0.50	0.12	0.03
6	27	4	0.42	0.69	0.10	0.08	0.04	0.62	0.18	0.42	0.31	0.21	0.10
6	27	5	0.40	0.62	0.10	0.08	0.05	0.65	0.22	0.30	0.24	0.15	0.05
6	27	6	0.34	0.59	0.08	0.06	0.04	0.58	0.18	0.18	0.16	0.09	0.01
6	27	7	0.27	0.49	0.04	0.02	0.03	0.41	0.26	0.13	0.15	0.11	0.02
6	27	8	0.23	0.43	0.02	0.01	0.05	0.41	0.27	0.14	0.20	0.15	0.05
6	27	9	0.20	0.43	0.01	0.01	0.05	0.42	0.29	0.26	0.28	0.18	0.07
6	27	10	0.16	0.39	0.01	0.01	0.05	0.36	0.33	0.32	0.42	0.19	0.08
6	27	11	0.14	0.34	0.03	0.01	0.06	0.31	0.34	0.40	0.62	0.17	0.07
6	27	12	0.15	0.35	0.06	0.04	0.06	0.31	0.32	0.46	0.60	0.13	0.04
6	27	13	0.26	0.37	0.10	0.08	0.06	0.38	0.37	0.51	0.60	0.14	0.04
6	27	14	0.49	0.43	0.13	0.11	0.06	0.42	0.39	0.52	0.65	0.14	0.05
6	27	15	0.56	0.50	0.15	0.12	0.05	0.53	0.58	0.52	0.62	0.10	0.02
6	27	16	0.61	0.52	0.18	0.16	0.04	0.57	0.60	0.50	0.52	0.09	0.02
6	27	17	0.65	0.53	0.24	0.22	0.07	0.60	0.42	0.48	0.48	0.42	0.29
6	27	18	0.69	0.54	0.32	0.30	0.07	0.59	0.38	0.44	0.48	0.33	0.22
6	27	19	0.75	0.63	0.43	0.41	0.08	0.67	0.62	0.42	0.54	0.24	0.14
6	27	20	0.82	0.76	0.52	0.50	0.10	0.74	0.43	0.38	0.70	0.27	0.16
6	27	21	0.74	0.77	0.57	0.56	0.11	0.70	0.31	0.31	0.72	0.32	0.22
6	27	22	0.66	0.74	0.65	0.64	0.09	0.71	0.48	0.22	0.66	0.50	0.39
6	27	23	0.60	0.74	0.66	0.65	0.10	0.76	0.37	0.17	0.56	0.38	0.28
6	27	24	0.58	0.77	0.60	0.59	0.13	0.72	0.30	0.15	0.39	0.52	0.42
6	28	1	0.55	0.74	0.55	0.53	0.28	0.65	0.35	0.13	0.24	0.44	0.33
6	28	2	0.45	0.71	0.48	0.46	0.54	0.65	0.32	0.10	0.04	0.20	0.10
6	28	3	0.48	0.69	0.40	0.38	0.73	0.63	0.34	0.08	0.01	0.16	0.06
6	28	4	0.48	0.63	0.34	0.32	0.62	0.61	0.32	0.05	0.03	0.17	0.06
6	28	5	0.46	0.60	0.28	0.25	0.49	0.60	0.24	0.05	0.09	0.18	0.07
6	28	6	0.41	0.55	0.23	0.21	0.34	0.53	0.11	0.06	0.12	0.07	0.00
6	28	7	0.34	0.47	0.21	0.19	0.18	0.37	0.08	0.05	0.10	0.05	0.00
6	28	8	0.31	0.32	0.25	0.23	0.13	0.39	0.11	0.06	0.21	0.06	0.00
6	28	9	0.29	0.13	0.25	0.23	0.16	0.44	0.13	0.07	0.27	0.06	0.00
6	28	10	0.27	0.11	0.27	0.25	0.17	0.50	0.17	0.15	0.28	0.05	0.00
6	28	11	0.20	0.09	0.30	0.28	0.18	0.46	0.21	0.28	0.32	0.03	0.00
6	28	12	0.22	0.09	0.36	0.34	0.18	0.43	0.20	0.36	0.31	0.04	0.00
6	28	13	0.40	0.15	0.42	0.40	0.18	0.44	0.24	0.39	0.26	0.17	0.07
6	28	14	0.50	0.21	0.49	0.47	0.21	0.45	0.31	0.43	0.25	0.39	0.26
6	28	15	0.53	0.38	0.52	0.51	0.28	0.49	0.18	0.41	0.29	0.24	0.13
6	28	16	0.58	0.52	0.56	0.55	0.40	0.54	0.36	0.43	0.32	0.12	0.03
6	28	17	0.64	0.53	0.61	0.60	0.47	0.58	0.37	0.47	0.32	0.15	0.05
6	28	18	0.73	0.52	0.65	0.64	0.49	0.57	0.20	0.49	0.37	0.10	0.02
6	28	19	0.71	0.53	0.64	0.63	0.48	0.67	0.39	0.44	0.51	0.16	0.07
6	28	20	0.75	0.68	0.57	0.55	0.60	0.76	0.57	0.40	0.69	0.34	0.22
6	28	21	0.70	0.81	0.49	0.47	0.73	0.68	0.72	0.38	0.76	0.28	0.17
6	28	22	0.61	0.73	0.43	0.41	0.66	0.67	0.70	0.31	0.69	0.13	0.04
6	28	23	0.49	0.70	0.38	0.36	0.62	0.72	0.63	0.21	0.57	0.08	0.01
6	28	24	0.49	0.72	0.33	0.31	0.58	0.72	0.45	0.17	0.45	0.13	0.03
6	29	1	0.50	0.73	0.30	0.27	0.44	0.73	0.31	0.11	0.36	0.16	0.06
6	29	2	0.49	0.69	0.27	0.24	0.25	0.75	0.28	0.06	0.23	0.14	0.04
6	29	3	0.50	0.60	0.26	0.23	0.20	0.76	0.29	0.03	0.05	0.08	0.01
6	29	4	0.54	0.57	0.24	0.22	0.22	0.74	0.29	0.04	0.03	0.07	0.00
6	29	5	0.57	0.54	0.23	0.21	0.31	0.78	0.21	0.03	0.05	0.04	0.00
6	29	6	0.48	0.46	0.23	0.20	0.31	0.69	0.07	0.04	0.10	0.02	0.00
6	29	7	0.38	0.41	0.24	0.21	0.18	0.59	0.02	0.05	0.11	0.02	0.00
6	29	8	0.39	0.33	0.32	0.30	0.15	0.64	0.03	0.07	0.34	0.01	0.00
6	29	9	0.38	0.18	0.39	0.37	0.20	0.66	0.08	0.12	0.38	0.00	0.00
6	29	10	0.38	0.06	0.46	0.44	0.21	0.71	0.15	0.27	0.33	0.01	0.00
6	29	11	0.37	0.04	0.52	0.50	0.31	0.68	0.27	0.37	0.28	0.02	0.00
6	29	12	0.50	0.05	0.56	0.55	0.45	0.64	0.30	0.40	0.26	0.11	0.03
6	29	13	0.60	0.06	0.61	0.59	0.55	0.71	0.48	0.39	0.23	0.36	0.23
6	29	14	0.63	0.09	0.61	0.59	0.59	0.77	0.46	0.36	0.26	0.23	0.13
6	29	15	0.65	0.13	0.60	0.58	0.58	0.77	0.57	0.34	0.30	0.38	0.27
6	29	16	0.68	0.23	0.58	0.57	0.55	0.76	0.61	0.32	0.31	0.31	0.19
6	29	17	0.72	0.46	0.57	0.55	0.50	0.74	0.49	0.34	0.36	0.17	0.07
6	29	18	0.75	0.49	0.52	0.51	0.50	0.68	0.37	0.31	0.35	0.09	0.02
6	29	19	0.74	0.47	0.49	0.47	0.45	0.73	0.66	0.30	0.52	0.37	0.25
6	29	20	0.74	0.46	0.47	0.45	0.44	0.79	0.70	0.33	0.70	0.39	0.27
6	29	21	0.54	0.59	0.45	0.43	0.41	0.73	0.65	0.37	0.79	0.14	0.05
6	29	22	0.40	0.72	0.37	0.35	0.48	0.70	0.50	0.33	0.79	0.21	0.09
6	29	23	0.37	0.70	0.27	0.25	0.60	0.71	0.48	0.37	0.74	0.13	0.04
6	29	24	0.35	0.65	0.18	0.16	0.65	0.70	0.51	0.29	0.69	0.07	0.00

Solar

Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S
6	24	10	0.64	0.85	0.96	0.83	0.99	0.91	0.89	0.91
6	24	11	0.74	0.89	0.96	0.87	1.00	0.92	0.90	0.91
6	24	12	0.80	0.90	0.95	0.88	0.99	0.90	0.88	0.90
6	24	13	0.80	0.88	0.92	0.87	0.97	0.87	0.85	0.86
6	24	14	0.75	0.86	0.90	0.84	0.93	0.86	0.85	0.80
6	24	15	0.70	0.85	0.83	0.83	0.95	0.87	0.86	0.86
6	24	16	0.56	0.76	0.71	0.75	0.93	0.82	0.82	0.85
6	24	17	0.37	0.62	0.59	0.61	0.88	0.75	0.74	0.78
6	24	18	0.14	0.41	0.37	0.40	0.72	0.56	0.58	0.61
6	24	19	0.01	0.15	0.15	0.14	0.39	0.27	0.30	0.14
6	24	20	0.00	0.01	0.01	0.01	0.07	0.02	0.02	0.00
6	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	5	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01
6	25	6	0.01	0.20	0.44	0.20	0.36	0.20	0.21	0.30
6	25	7	0.04	0.42	0.66	0.41	0.68	0.54	0.54	0.59
6	25	8	0.26	0.62	0.83	0.60	0.86	0.75	0.73	0.78
6	25	9	0.49	0.77	0.93	0.76	0.96	0.85	0.84	0.87
6	25	10	0.65	0.86	0.97	0.84	1.00	0.90	0.89	0.92
6	25	11	0.76	0.91	0.98	0.89	1.00	0.90	0.90	0.94
6	25	12	0.81	0.92	0.97	0.90	0.99	0.89	0.88	0.92
6	25	13	0.82	0.90	0.93	0.88	0.97	0.85	0.85	0.90
6	25	14	0.78	0.89	0.92	0.87	0.97	0.85	0.85	0.90
6	25	15	0.71	0.86	0.90	0.84	0.96	0.84	0.85	0.90
6	25	16	0.57	0.77	0.81	0.76	0.93	0.80	0.81	0.86
6	25	17	0.38	0.64	0.68	0.63	0.86	0.73	0.73	0.78
6	25	18	0.15	0.43	0.46	0.42	0.72	0.57	0.58	0.61
6	25	19	0.01	0.15	0.18	0.14	0.38	0.29	0.21	0.12
6	25	20	0.00	0.01	0.01	0.01	0.07	0.02	0.01	0.00
6	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	5	0.00	0.01	0.11	0.01	0.02	0.00	0.00	0.01
6	26	6	0.01	0.20	0.42	0.20	0.33	0.20	0.20	0.27
6	26	7	0.04	0.41	0.64	0.40	0.64	0.53	0.51	0.57
6	26	8	0.25	0.61	0.80	0.60	0.82	0.73	0.71	0.77
6	26	9	0.48	0.76	0.91	0.74	0.92	0.84	0.81	0.86
6	26	10	0.64	0.85	0.95	0.83	0.96	0.90	0.87	0.92
6	26	11	0.74	0.89	0.95	0.87	0.97	0.89	0.87	0.92
6	26	12	0.80	0.90	0.93	0.88	0.96	0.88	0.85	0.90
6	26	13	0.80	0.89	0.92	0.87	0.93	0.85	0.83	0.87
6	26	14	0.77	0.87	0.92	0.86	0.87	0.84	0.83	0.88
6	26	15	0.70	0.84	0.90	0.83	0.86	0.85	0.83	0.89
6	26	16	0.56	0.76	0.83	0.75	0.81	0.82	0.80	0.85
6	26	17	0.37	0.63	0.70	0.62	0.74	0.74	0.73	0.76
6	26	18	0.15	0.42	0.44	0.41	0.58	0.55	0.54	0.58
6	26	19	0.01	0.14	0.17	0.14	0.33	0.25	0.26	0.12
6	26	20	0.00	0.01	0.01	0.01	0.06	0.02	0.01	0.00
6	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	5	0.00	0.01	0.10	0.01	0.02	0.00	0.00	0.01
6	27	6	0.01	0.19	0.42	0.19	0.34	0.16	0.20	0.29
6	27	7	0.04	0.40	0.63	0.40	0.64	0.53	0.52	0.58
6	27	8	0.25	0.61	0.78	0.60	0.82	0.74	0.72	0.76
6	27	9	0.48	0.76	0.89	0.75	0.93	0.86	0.83	0.87
6	27	10	0.65	0.85	0.94	0.84	0.97	0.91	0.88	0.91
6	27	11	0.75	0.90	0.97	0.88	0.99	0.92	0.90	0.94
6	27	12	0.80	0.91	0.96	0.89	0.97	0.90	0.88	0.92
6	27	13	0.82	0.90	0.93	0.88	0.95	0.87	0.85	0.89
6	27	14	0.79	0.89	0.93	0.88	0.94	0.87	0.85	0.90
6	27	15	0.71	0.86	0.88	0.84	0.94	0.87	0.85	0.89
6	27	16	0.58	0.78	0.81	0.77	0.92	0.83	0.81	0.85
6	27	17	0.38	0.64	0.67	0.63	0.85	0.74	0.72	0.77
6	27	18	0.15	0.43	0.45	0.42	0.69	0.60	0.55	0.60
6	27	19	0.01	0.15	0.18	0.15	0.38	0.30	0.27	0.16
6	27	20	0.00	0.01	0.01	0.01	0.07	0.02	0.01	0.00
6	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	5	0.00	0.01	0.09	0.01	0.02	0.00	0.00	0.01
6	28	6	0.01	0.20	0.40	0.20	0.33	0.18	0.20	0.28
6	28	7	0.04	0.41	0.63	0.40	0.61	0.52	0.53	0.58
6	28	8	0.25	0.61	0.81	0.60	0.79	0.74	0.73	0.77
6	28	9	0.48	0.76	0.90	0.75	0.93	0.85	0.82	0.88
6	28	10	0.64	0.85	0.95	0.84	0.97	0.90	0.89	0.92
6	28	11	0.74	0.89	0.97	0.87	0.98	0.91	0.89	0.93
6	28	12	0.78	0.88	0.92	0.86	0.90	0.90	0.88	0.91
6	28	13	0.81	0.90	0.92	0.88	0.95	0.86	0.85	0.89
6	28	14	0.78	0.88	0.90	0.86	0.87	0.86	0.85	0.89
6	28	15	0.70	0.85	0.85	0.83	0.83	0.86	0.85	0.89
6	28	16	0.57	0.77	0.78	0.76	0.80	0.84	0.82	0.86
6	28	17	0.38	0.64	0.65	0.63	0.75	0.76	0.74	0.77
6	28	18	0.15	0.43	0.44	0.42	0.64	0.62	0.58	0.61
6	28	19	0.01	0.14	0.15	0.13	0.38	0.36	0.31	0.20
6	28	20	0.00	0.01	0.01	0.01	0.08	0.04	0.02	0.01
6	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	5	0.00	0.01	0.10	0.01	0.01	0.00	0.00	0.01
6	29	6	0.01	0.19	0.44	0.18	0.20	0.14	0.20	0.27
6	29	7	0.04	0.39	0.64	0.39	0.46	0.42	0.52	0.58
6	29	8	0.25	0.60	0.80	0.59	0.74	0.61	0.71	0.76
6	29	9	0.48	0.75	0.87	0.74	0.87	0.82	0.83	0.88
6	29	10	0.64	0.85	0.93	0.83	0.92	0.90	0.89	0.92
6	29	11	0.75	0.90	0.94	0.88	0.94	0.91	0.91	0.94
6	29	12	0.80	0.90	0.91	0.88	0.97	0.88	0.88	0.91
6	29	13	0.81	0.89	0.89	0.87	0.91	0.85	0.86	0.89
6	29	14	0.78	0.88	0.88	0.86	0.89	0.86	0.85	0.90
6	29	15	0.70	0.84	0.79	0.83	0.90	0.84	0.84	0.89
6	29	16	0.56	0.76	0.68	0.75	0.79	0.83	0.77	0.85
6	29	17	0.37	0.62	0.54	0.61	0.67	0.76	0.66	0.76
6	29	18	0.14	0.40	0.33	0.40	0.51	0.56	0.50	0.60
6	29	19	0.01	0.14	0.13	0.14	0.24	0.24	0.29	0.13
6	29	20	0.00	0.01	0.01	0.01	0.04	0.02	0.02	0.00
6	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Solar (continued), Geothermal, Biomass, Small Hydro

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
6	24	10	0.94	1.00	0.98	0.95	0.94	0.87	0.95	0.93	0.88	0.90	0.94	1.00	1.00	1.00	1.00
6	24	11	0.97	1.00	0.98	0.96	0.93	0.90	0.94	0.92	0.86	0.88	0.93	1.00	1.00	1.00	1.00
6	24	12	0.94	1.00	0.96	0.93	0.92	0.90	0.93	0.91	0.82	0.87	0.91	0.99	1.00	1.00	1.00
6	24	13	0.89	0.99	0.95	0.92	0.92	0.85	0.91	0.91	0.77	0.86	0.90	0.95	1.00	1.00	1.00
6	24	14	0.88	0.97	0.95	0.92	0.92	0.83	0.93	0.91	0.78	0.86	0.90	0.83	1.00	1.00	1.00
6	24	15	0.93	0.97	0.94	0.90	0.91	0.88	0.91	0.90	0.70	0.84	0.84	0.71	1.00	1.00	1.00
6	24	16	0.92	0.79	0.87	0.87	0.83	0.81	0.86	0.82	0.50	0.81	0.71	0.56	1.00	1.00	1.00
6	24	17	0.82	0.57	0.77	0.77	0.70	0.70	0.72	0.70	0.38	0.71	0.63	0.48	1.00	1.00	1.00
6	24	18	0.60	0.36	0.58	0.57	0.48	0.48	0.45	0.47	0.31	0.52	0.38	0.14	1.00	1.00	1.00
6	24	19	0.10	0.12	0.32	0.24	0.20	0.18	0.16	0.20	0.10	0.21	0.08	0.00	1.00	1.00	1.00
6	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
6	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	5	0.00	0.00	0.02	0.04	0.02	0.02	0.01	0.02	0.15	0.10	0.06	0.22	1.00	1.00	1.00
6	25	6	0.20	0.25	0.38	0.42	0.37	0.35	0.30	0.37	0.46	0.45	0.43	0.61	1.00	1.00	1.00
6	25	7	0.56	0.61	0.68	0.67	0.64	0.64	0.60	0.64	0.67	0.68	0.68	0.84	1.00	1.00	1.00
6	25	8	0.79	0.82	0.86	0.83	0.81	0.80	0.78	0.81	0.78	0.82	0.83	0.97	1.00	1.00	1.00
6	25	9	0.93	0.97	0.97	0.93	0.90	0.91	0.87	0.89	0.87	0.90	0.91	1.00	1.00	1.00	1.00
6	25	10	0.99	1.00	1.00	0.97	0.94	0.94	0.92	0.94	0.86	0.92	0.94	1.00	1.00	1.00	1.00
6	25	11	1.00	1.00	1.00	0.97	0.97	0.92	0.97	0.96	0.88	0.92	0.91	1.00	1.00	1.00	1.00
6	25	12	1.00	1.00	0.99	0.95	0.95	0.90	0.95	0.94	0.86	0.90	0.90	0.97	1.00	1.00	1.00
6	25	13	0.98	1.00	0.96	0.94	0.92	0.90	0.91	0.91	0.83	0.88	0.88	0.85	1.00	1.00	1.00
6	25	14	0.98	1.00	0.97	0.95	0.94	0.89	0.91	0.93	0.86	0.89	0.83	0.87	1.00	1.00	1.00
6	25	15	0.98	0.99	0.96	0.93	0.93	0.86	0.90	0.92	0.83	0.89	0.86	0.84	1.00	1.00	1.00
6	25	16	0.92	0.93	0.90	0.87	0.86	0.78	0.85	0.85	0.79	0.85	0.79	0.64	1.00	1.00	1.00
6	25	17	0.82	0.79	0.81	0.77	0.75	0.72	0.74	0.75	0.69	0.78	0.65	0.50	1.00	1.00	1.00
6	25	18	0.63	0.57	0.59	0.54	0.50	0.51	0.50	0.50	0.53	0.61	0.40	0.18	1.00	1.00	1.00
6	25	19	0.15	0.13	0.33	0.22	0.21	0.19	0.19	0.20	0.26	0.25	0.09	0.00	1.00	1.00	1.00
6	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
6	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	5	0.00	0.01	0.02	0.05	0.03	0.02	0.01	0.03	0.16	0.09	0.05	0.23	1.00	1.00	1.00
6	26	6	0.18	0.28	0.38	0.44	0.38	0.34	0.29	0.38	0.48	0.44	0.40	0.57	1.00	1.00	1.00
6	26	7	0.53	0.63	0.67	0.68	0.66	0.63	0.59	0.65	0.69	0.66	0.65	0.76	1.00	1.00	1.00
6	26	8	0.77	0.84	0.85	0.83	0.82	0.81	0.77	0.81	0.80	0.80	0.81	0.91	1.00	1.00	1.00
6	26	9	0.90	0.94	0.95	0.91	0.90	0.91	0.87	0.90	0.87	0.86	0.89	1.00	1.00	1.00	1.00
6	26	10	0.97	1.00	0.98	0.96	0.95	0.93	0.93	0.94	0.87	0.90	0.92	1.00	1.00	1.00	1.00
6	26	11	0.99	1.00	0.99	0.96	0.95	0.96	0.93	0.94	0.88	0.88	0.91	1.00	1.00	1.00	1.00
6	26	12	0.99	1.00	0.97	0.93	0.94	0.94	0.91	0.93	0.85	0.87	0.90	0.91	1.00	1.00	1.00
6	26	13	0.96	0.99	0.95	0.93	0.91	0.92	0.89	0.91	0.84	0.86	0.87	0.91	1.00	1.00	1.00
6	26	14	0.98	1.00	0.96	0.93	0.93	0.88	0.92	0.92	0.85	0.88	0.89	0.87	1.00	1.00	1.00
6	26	15	0.97	0.99	0.96	0.93	0.90	0.87	0.91	0.89	0.85	0.87	0.86	0.86	1.00	1.00	1.00
6	26	16	0.92	0.92	0.90	0.88	0.85	0.81	0.83	0.85	0.82	0.84	0.82	0.73	1.00	1.00	1.00
6	26	17	0.81	0.83	0.81	0.76	0.74	0.70	0.71	0.73	0.75	0.77	0.70	0.54	1.00	1.00	1.00
6	26	18	0.59	0.59	0.63	0.58	0.53	0.49	0.48	0.52	0.57	0.62	0.44	0.11	1.00	1.00	1.00
6	26	19	0.08	0.15	0.35	0.25	0.22	0.18	0.17	0.22	0.31	0.23	0.11	0.00	1.00	1.00	1.00
6	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
6	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	5	0.00	0.01	0.01	0.05	0.02	0.02	0.01	0.02	0.17	0.09	0.06	0.21	1.00	1.00	1.00
6	27	6	0.11	0.30	0.35	0.43	0.37	0.35	0.29	0.37	0.49	0.45	0.43	0.52	1.00	1.00	1.00
6	27	7	0.43	0.62	0.66	0.67	0.65	0.64	0.60	0.65	0.68	0.67	0.67	0.81	1.00	1.00	1.00
6	27	8	0.70	0.84	0.84	0.81	0.83	0.81	0.79	0.83	0.75	0.80	0.81	0.94	1.00	1.00	1.00
6	27	9	0.88	0.96	0.94	0.91	0.91	0.91	0.89	0.91	0.82	0.87	0.89	1.00	1.00	1.00	1.00
6	27	10	0.97	1.00	0.98	0.96	0.97	0.95	0.94	0.96	0.82	0.90	0.92	1.00	1.00	1.00	1.00
6	27	11	1.00	1.00	1.00	0.97	0.95	0.93	0.96	0.94	0.87	0.90	0.91	1.00	1.00	1.00	1.00
6	27	12	1.00	1.00	0.99	0.95	0.94	0.89	0.93	0.93	0.85	0.89	0.88	1.00	1.00	1.00	1.00
6	27	13	0.97	1.00	0.96	0.94	0.92	0.92	0.92	0.91	0.83	0.86	0.88	0.97	1.00	1.00	1.00
6	27	14	0.98	1.00	0.97	0.94	0.93	0.93	0.93	0.92	0.85	0.86	0.90	0.96	1.00	1.00	1.00
6	27	15	0.97	0.98	0.96	0.93	0.92	0.92	0.90	0.91	0.84	0.85	0.88	0.85	1.00	1.00	1.00
6	27	16	0.92	0.94	0.91	0.87	0.86	0.86	0.83	0.85	0.81	0.83	0.83	0.66	1.00	1.00	1.00
6	27	17	0.82	0.82	0.81	0.75	0.74	0.74	0.70	0.73	0.70	0.74	0.70	0.45	1.00	1.00	1.00
6	27	18	0.61	0.60	0.58	0.53	0.52	0.49	0.49	0.51	0.51	0.61	0.43	0.15	1.00	1.00	1.00
6	27	19	0.10	0.13	0.32	0.22	0.21	0.19	0.18	0.21	0.26	0.28	0.10	0.00	1.00	1.00	1.00
6	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
6	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	5	0.00	0.01	0.01	0.04	0.03	0.01	0.01	0.02	0.14	0.09	0.06	0.15	1.00	1.00	1.00
6	28	6	0.19	0.31	0.38	0.43	0.39	0.33	0.30	0.38	0.44	0.45	0.44	0.45	1.00	1.00	1.00
6	28	7	0.55	0.65	0.68	0.68	0.64	0.61	0.62	0.64	0.63	0.67	0.67	0.75	1.00	1.00	1.00
6	28	8	0.78	0.85	0.85	0.83	0.81	0.75	0.81	0.80	0.79	0.80	0.81	0.94	1.00	1.00	1.00
6	28	9	0.91	0.97	0.95	0.92	0.91	0.85	0.89	0.90	0.86	0.87	0.88	0.96	1.00	1.00	1.00
6	28	10	0.98	1.00	1.00	0.96	0.96	0.88	0.94	0.95	0.88	0.89	0.91	0.99	1.00	1.00	1.00
6	28	11	0.98	1.00	1.00	0.97	0.96	0.90	0.92	0.95	0.87	0.90	0.90	1.00	1.00	1.00	1.00
6	28	12	0.84	1.00	0.94	0.95	0.91	0.90	0.94	0.91	0.82	0.86	0.89	0.89	1.00	1.00	1.00
6	28	13	0.96	1.00	0.95	0.94	0.91	0.90	0.92	0.91	0.83	0.86	0.87	0.88	1.00	1.00	1.00
6	28	14	0.97	1.00	0.96	0.94	0.93	0.91	0.93	0.92	0.85	0.87	0.90	0.75	1.00	1.00	1.00
6	28	15	0.96	0.98	0.95	0.92	0.92	0.91	0.89	0.91	0.84	0.86	0.88	0.61	1.00	1.00	1.00
6	28	16	0.92	0.94	0.90	0.87	0.86	0.86	0.83	0.86	0.81	0.83	0.82	0.55	1.00	1.00	1.00
6	28	17	0.81	0.81	0.80	0.76	0.75	0.74	0.71	0.75	0.72	0.74	0.70	0.44	1.00	1.00	1.00
6	28	18	0.62	0.59	0.59	0.54	0.50	0.51	0.48	0.50	0.57	0.59	0.44	0.16	1.00	1.00	1.00
6	28	19	0.18	0.00	0.02	0.22	0.18	0.19	0.17	0.17	0.24	0.11	0.11	0.00	1.00	1.00	1.00
6	28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
6	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	5	0.00	0.00	0.02	0.04	0.02	0.01	0.01	0.02	0.16	0.08	0.06	0.21	1.00	1.00	1.00
6	29	6	0.18	0.30	0.39	0.43	0.37	0.33	0.28	0.36	0.49	0.44	0.44	0.63	1.00	1.00	1.00
6	29	7	0.54	0.63	0.68	0.69	0.64	0.63	0.59	0.63	0.69	0.66	0.68	0.85	1.00	1.00	1.00
6	29	8	0.77	0.84	0.85	0.83	0.82	0.82	0.77	0.81	0.78	0.78	0.83	0.99	1.00	1.00	1.00
6	29	9	0.91	0.96	0.93	0.92	0.91	0.90	0.87	0.90	0.84	0.84	0.90	1.00	1.00	1.00	1.00
6	29	10	0.97	1.00	0.97	0.95	0.96	0.95	0.93	0.95	0.85	0.88	0.93	1.00	1.00	1.00	1.00
6	29	11	0.99	1.00	0.99	0.96	0.94	0.95	0.95	0.93	0.85	0.88	0.93	0.98	1.00	1.00	1.00
6	29	12	0.97	0.99	0.96	0.93	0.94	0.94	0.91	0.93	0.83	0.86	0.90	0.83	1.00	1.00	1.00
6	29	13	0.96	0.99	0.94	0.93	0.90	0.90	0.91	0.90	0.81	0.85	0.89	0.75	1.00	1.00	1.00
6	29	14	0.97	0.99	0.95	0.93	0.91	0.91	0.92	0.91	0.83	0.87	0.90	0.71	1.00	1.00	1.00
6	29	15	0.95	0.98	0.94	0.90	0.91	0.88	0.90	0.90	0.76	0.85	0.88	0.59	1.00	1.00	1.00
6	29	16	0.92	0.93	0.89	0.86	0.87	0.83	0.85	0.86	0.78	0.81	0.82	0.35	1.00	1.00	1.00
6	29	17	0.81	0.81	0.77	0.76	0.76	0.72	0.73	0.76	0.68	0.66	0.68	0.30	1.00	1.00	1.00
6	29	18	0.59	0.62	0.55	0.53	0.50	0.46	0.49	0.50	0.57	0.50	0.44	0.08	1.00	1.00	1.00
6	29	19	0.18	0.14	0.30	0.22	0.21	0.17	0.18	0.21	0.29	0.20	0.11	0.00	1.00	1.00	1.00
6	29	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
6	30	1	0.33	0.15	0.41	0.30	0.83	0.74	0.76	0.78	0.39	0.33	0.24	0.59	0.34	0.64	0.12	0.10	0.62	0.70	0.42	0.19	0.64	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	2	0.36	0.05	0.44	0.23	0.81	0.79	0.73	0.77	0.41	0.35	0.25	0.57	0.37	0.62	0.11	0.09	0.59	0.69	0.41	0.07	0.57	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	3	0.40	0.04	0.41	0.15	0.76	0.83	0.71	0.78	0.45	0.39	0.25	0.54	0.41	0.59	0.09	0.07	0.58	0.72	0.34	0.06	0.53	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	4	0.42	0.04	0.37	0.11	0.74	0.79	0.68	0.72	0.46	0.41	0.19	0.46	0.42	0.51	0.07	0.05	0.61	0.77	0.32	0.06	0.45	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	5	0.44	0.07	0.30	0.08	0.76	0.70	0.64	0.62	0.49	0.44	0.09	0.39	0.45	0.45	0.06	0.04	0.56	0.75	0.31	0.05	0.35	0.07	0.00	0.00	0.01	0.09	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.04	0.02	0.01	0.01	0.02	0.11	0.08	0.06	0.19	1.00	1.00	1.00
6	30	6	0.39	0.06	0.23	0.06	0.71	0.44	0.59	0.53	0.44	0.38	0.04	0.35	0.40	0.42	0.03	0.02	0.34	0.74	0.20	0.05	0.26	0.06	0.00	0.01	0.20	0.42	0.19	0.34	0.16	0.20	0.28	0.16	0.31	0.39	0.43	0.37	0.32	0.30	0.36	0.37	0.44	0.43	0.63	1.00	1.00	1.00
6	30	7	0.37	0.04	0.14	0.02	0.55	0.15	0.52	0.43	0.41	0.36	0.05	0.21	0.37	0.29	0.02	0.01	0.21	0.66	0.13	0.04	0.15	0.04	0.00	0.04	0.41	0.65	0.40	0.66	0.45	0.54	0.58	0.53	0.64	0.68	0.67	0.64	0.61	0.59	0.63	0.60	0.67	0.67	0.85	1.00	1.00	1.00
6	30	8	0.48	0.03	0.06	0.01	0.42	0.16	0.46	0.35	0.52	0.47	0.06	0.01	0.48	0.07	0.02	0.01	0.13	0.73	0.12	0.07	0.16	0.03	0.00	0.25	0.60	0.82	0.59	0.84	0.64	0.72	0.77	0.78	0.84	0.85	0.83	0.80	0.80	0.78	0.79	0.78	0.79	0.82	0.98	1.00	1.00	1.00
6	30	9	0.53	0.05	0.02	0.01	0.27	0.13	0.44	0.35	0.57	0.53	0.08	0.00	0.54	0.05	0.02	0.01	0.10	0.77	0.11	0.11	0.16	0.05	0.00	0.48	0.76	0.92	0.74	0.95	0.85	0.84	0.86	0.91	0.96	0.94	0.91	0.90	0.84	0.88	0.89	0.86	0.86	0.89	1.00	1.00	1.00	1.00
6	30	10	0.46	0.08	0.02	0.02	0.20	0.10	0.47	0.40	0.50	0.45	0.15	0.00	0.47	0.04	0.03	0.01	0.08	0.75	0.09	0.15	0.14	0.08	0.00	0.64	0.85	0.96	0.84	0.99	0.92	0.90	0.92	0.98	1.00	0.98	0.95	0.93	0.89	0.93	0.92	0.87	0.90	0.93	1.00	1.00	1.00	1.00
6	30	11	0.36	0.09	0.01	0.05	0.14	0.10	0.51	0.48	0.41	0.36	0.27	0.00	0.37	0.05	0.04	0.02	0.06	0.57	0.09	0.15	0.14	0.09	0.01	0.75	0.89	0.97	0.88	1.00	0.93	0.90	0.93	0.99	1.00	0.99	0.95	0.93	0.95	0.91	0.92	0.86	0.89	0.93	1.00	1.00	1.00	1.00
6	30	12	0.40	0.10	0.01	0.10	0.15	0.10	0.57	0.57	0.44	0.39	0.36	0.00	0.40	0.06	0.05	0.03	0.05	0.45	0.11	0.17	0.19	0.10	0.02	0.80	0.90	0.94	0.88	0.99	0.91	0.88	0.91	0.98	0.98	0.97	0.93	0.92	0.93	0.90	0.91	0.83	0.86	0.90	0.99	1.00	1.00	1.00
6	30	13	0.46	0.17	0.01	0.14	0.22	0.13	0.65	0.71	0.51	0.46	0.38	0.02	0.47	0.09	0.07	0.05	0.04	0.44	0.11	0.18	0.21	0.17	0.07	0.81	0.89	0.90	0.87	0.97	0.88	0.86	0.88	0.97	0.98	0.94	0.92	0.90	0.90	0.87	0.89	0.83	0.85	0.89	0.82	1.00	1.00	1.00
6	30	14	0.50	0.32	0.01	0.20	0.33	0.18	0.71	0.83	0.54	0.50	0.42	0.06	0.51	0.13	0.10	0.08	0.04	0.46	0.19	0.21	0.23	0.32	0.21	0.78	0.88	0.91	0.87	0.96	0.87	0.85	0.89	0.96	0.98	0.94	0.93	0.91	0.91	0.91	0.90	0.84	0.87	0.89	0.83	1.00	1.00	1.00
6	30	15	0.54	0.43	0.03	0.25	0.49	0.22	0.74	0.88	0.58	0.53	0.46	0.07	0.55	0.15	0.11	0.08	0.05	0.46	0.16	0.19	0.20	0.43	0.33	0.70	0.85	0.85	0.83	0.96	0.85	0.83	0.89	0.96	0.97	0.94	0.91	0.89	0.87	0.90	0.88	0.84	0.86	0.85	0.68	1.00	1.00	1.00
6	30	16	0.60	0.53	0.04	0.29	0.60	0.27	0.77	0.90	0.64	0.60	0.46	0.09	0.61	0.17	0.12	0.10	0.07	0.47	0.28	0.20	0.19	0.53	0.42	0.56	0.75	0.78	0.74	0.92	0.79	0.76	0.84	0.91	0.91	0.88	0.85	0.81	0.78	0.80	0.80	0.81	0.83	0.73	0.56	1.00	1.00	1.00
6	30	17	0.61	0.27	0.04	0.31	0.65	0.32	0.78	0.91	0.65	0.61	0.45	0.07	0.62	0.13	0.15	0.12	0.10	0.53	0.20	0.19	0.14	0.27	0.17	0.37	0.61	0.65	0.59	0.83	0.67	0.62	0.69	0.79	0.79	0.79	0.74	0.68	0.66	0.69	0.68	0.74	0.75	0.61	0.38	1.00	1.00	1.00
6	30	18	0.64	0.17	0.02	0.32	0.71	0.42	0.80	0.90	0.67	0.63	0.45	0.13	0.64	0.20	0.16	0.14	0.15	0.56	0.19	0.23	0.14	0.16	0.08	0.14	0.39	0.43	0.38	0.66	0.58	0.40	0.46	0.55	0.51	0.57	0.55	0.48	0.44	0.42	0.48	0.56	0.54	0.37	0.11	1.00	1.00	1.00
6	30	19	0.65	0.37	0.01	0.37	0.78	0.70	0.81	0.88	0.68	0.65	0.41	0.27	0.66	0.34	0.17	0.15	0.20	0.65	0.40	0.26	0.31	0.37	0.25	0.01	0.13	0.18	0.13	0.35	0.25	0.21	0.07	0.07	0.16	0.31	0.23	0.20	0.16	0.14	0.20	0.30	0.25	0.08	0.00	1.00	1.00	1.00
6	30	20	0.69	0.35	0.05	0.50	0.83	0.94	0.81	0.87	0.72	0.69	0.37	0.37	0.70	0.43	0.22	0.20	0.23	0.74	0.51	0.29	0.59	0.35	0.24	0.00	0.01	0.01	0.01	0.07	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
6	30	21	0.63	0.13	0.09	0.50	0.83	0.90	0.80	0.87	0.66	0.62	0.35	0.46	0.63	0.52	0.23	0.21	0.20	0.68	0.54	0.24	0.70	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	22	0.50	0.17	0.07	0.39	0.85	0.85	0.79	0.86	0.54	0.49	0.33	0.54	0.50	0.59	0.23	0.21	0.12	0.68	0.50	0.15	0.67	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	23	0.44	0.19	0.03	0.38	0.85	0.76	0.79	0.84	0.49	0.44	0.24	0.56	0.45	0.61	0.19	0.17	0.05	0.69	0.46	0.14	0.62	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
6	30	24	0.47	0.29	0.01	0.38	0.84	0.68	0.77	0.81	0.51	0.46	0.20	0.57	0.48	0.61	0.15	0.13	0.03	0.69	0.44	0.14	0.53	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	1	0.49	0.24	0.00	0.34	0.82	0.66	0.77	0.81	0.53	0.48	0.16	0.58	0.50	0.62	0.11	0.09	0.03	0.67	0.41	0.09	0.44	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	2	0.46	0.24	0.00	0.24	0.81	0.71	0.74	0.79	0.50	0.45	0.15	0.56	0.47	0.61	0.08	0.06	0.05	0.65	0.35	0.06	0.39	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	3	0.45	0.27	0.00	0.14	0.79	0.67	0.72	0.72	0.50	0.45	0.14	0.54	0.46	0.59	0.06	0.04	0.05	0.66	0.27	0.04	0.30	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	4	0.38	0.22	0.00	0.11	0.78	0.67	0.71	0.65	0.43	0.38	0.10	0.49	0.39	0.55	0.04	0.03	0.07	0.65	0.23	0.02	0.21	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	5	0.34	0.15	0.00	0.08	0.77	0.58	0.69	0.57	0.39	0.33	0.05	0.43	0.35	0.49	0.03	0.02	0.12	0.57	0.15	0.02	0.11	0.15	0.05	0.00	0.01	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.09	0.03	0.05	0.14	1.00	1.00	1.00
7	1	6	0.30	0.07	0.00	0.05	0.74	0.53	0.69	0.48	0.35	0.29	0.04	0.41	0.31	0.47	0.02	0.01	0.15	0.43	0.09	0.00	0.07	0.07	0.00	0.01	0.17	0.35	0.16	0.32	0.15	0.08	0.23	0.14	0.26	0.36	0.36	0.31	0.28	0.28	0.30	0.35	0.31	0.41	0.49	1.00	1.00	1.00
7	1	7	0.23	0.03	0.00	0.03	0.64	0.24	0.66	0.37	0.29	0.22	0.03	0.37	0.24	0.44	0.01	0.00	0.11	0.31	0.07	0.00	0.02	0.03	0.00	0.04	0.39	0.59	0.38	0.64	0.49	0.45	0.54	0.50	0.61	0.65	0.65	0.59	0.56	0.58	0.58	0.54	0.58	0.65	0.77	1.00	1.00	1.00
7	1	8	0.20	0.04	0.00	0.02	0.57	0.07	0.64	0.28	0.25	0.19	0.01	0.33	0.21	0.40	0.01	0.00	0.04	0.30	0.05	0.00	0.00	0.04	0.00	0.25	0.58	0.74	0.57	0.82	0.63	0.61	0.74	0.76	0.81	0.81	0.80	0.71	0.74	0.77	0.71	0.69	0.74	0.78	0.92	1.00	1.00	1.00
7	1	9	0.17	0.05	0.00	0.04	0.50	0.09	0.59	0.29	0.23	0.16	0.01	0.20	0.18	0.28	0.02	0.01	0.02	0.28	0.05	0.00	0.00	0.05	0.00	0.46	0.74	0.87	0.72	0.93	0.82	0.81	0.85	0.90	0.92	0.91	0.87	0.85	0.82	0.87	0.84	0.82	0.82	0.84	1.00	1.00	1.00	1.00
7	1	10	0.14	0.08	0.00	0.07	0.44	0.09	0.61	0.33	0.20	0.13	0.01	0.04	0.15	0.10	0.04	0.03	0.02	0.20	0.06	0.00	0.00	0.08	0.00	0.63	0.83	0.91	0.81	0.98	0.88	0.88	0.90	0.96	0.96	0.95	0.91	0.89	0.88	0.91	0.88	0.85	0.85	0.89	1.00	1.00	1.00	1.00
7	1	11	0.15	0.10	0.00	0.13	0.36	0.14	0.62	0.40	0.20	0.14	0.01	0.00	0.16	0.05	0.09	0.07	0.05	0.11	0.07	0.01	0.00	0.10	0.02	0.72	0.87	0.92	0.85	0.99	0.92	0.87	0.91	0.99	0.97	0.94	0.91	0.90	0.88	0.91	0.90	0.83	0.85	0.89	1.00	1.00	1.00	1.00
7	1	12	0.17	0.11	0.00	0.22	0.34	0.18	0.65	0.52	0.23	0.16	0.03	0.01	0.18	0.07	0.14	0.12	0.07	0.06	0.07	0.02	0.01	0.11	0.03	0.78	0.88	0.89	0.86	0.98	0.90	0.88	0.88	0.98	0.97	0.94	0.90	0.88	0.86	0.90	0.87	0.80	0.83	0.87	0.89	1.00	1.00	1.00
7	1	13	0.23	0.33	0.00	0.31	0.38	0.21	0.69	0.63	0.28	0.22	0.09	0.02	0.24	0.09	0.18	0.16	0.09	0.06	0.07	0.06	0.02	0.33	0.22	0.79	0.87	0.87	0.85	0.95	0.87	0.84	0.86	0.95	0.95	0.91	0.88	0.87	0.84	0.86	0.86	0.81	0.82	0.86	0.83	1.00	1.00	1.00
7	1	14	0.30	0.43	0.00	0.36	0.45	0.23	0.73	0.74	0.35	0.29	0.18	0.05	0.31	0.12	0.22	0.20	0.15	0.08	0.11	0.10	0.05	0.43	0.31	0.76	0.86	0.86	0.84	0.95	0.86	0.85	0.88	0.96	0.96	0.92	0.89	0.87	0.86	0.89	0.86	0.83	0.84	0.86	0.75	1.00	1.00	1.00
7	1	15	0.36	0.20	0.00	0.42	0.55	0.26	0.75	0.82	0.41	0.35	0.32	0.06	0.37	0.13	0.27	0.24	0.24	0.10	0.12	0.13	0.08	0.20	0.11	0.68	0.83	0.81	0.81	0.95	0.86	0.85	0.88	0.94	0.93	0.91	0.87	0.84	0.83	0.87	0.84	0.82	0.83	0.84	0.65	1.00	1.00	1.00
7	1	16	0.41	0.17	0.01	0.44	0.67	0.27	0.76	0.87	0.46	0.41	0.42	0.12	0.42	0.19	0.32	0.30	0.31	0.17	0.12	0.16	0.12	0.17	0.07	0.56	0.76	0.75	0.74	0.92	0.84	0.82	0.84	0.90	0.89	0.88	0.85	0.82	0.77	0.80	0.81	0.77	0.80	0.79	0.54	1.00	1.00	1.00
7	1	17	0.48	0.19	0.09	0.46	0.75	0.36	0.79	0.88	0.52	0.47	0.49	0.30	0.49	0.37	0.36	0.34	0.36	0.27	0.21	0.17	0.12	0.18	0.10	0.37	0.62	0.63	0.61	0.85	0.76	0.73	0.75	0.80	0.79	0.77	0.75	0.68	0.65	0.63	0.68	0.67	0.68	0.65	0.41	1.00	1.00	1.00
7	1	18	0.56	0.55	0.25	0.48	0.81	0.40	0.80	0.87	0.59	0.55	0.48	0.39	0.56	0.45	0.40	0.38	0.34	0.40	0.44	0.20	0.13	0.55	0.44	0.15	0.42	0.43	0.41	0.68	0.58	0.54	0.57	0.56	0.61	0.58	0.58	0.51	0.45	0.46	0.51	0.53	0.53	0.41	0.15	1.00	1.00	1.00
7	1	19	0.69	0.58	0.48	0.50	0.82	0.69	0.80	0.86	0.72	0.69	0.47	0.39	0.69	0.45	0.41	0.39	0.31	0.65	0.56	0.27	0.30	0.58	0.48	0.01	0.15	0.18	0.15	0.37	0.29	0.24	0.12	0.12	0.21	0.33	0.24	0.22	0.16	0.17	0.21	0.28	0.21	0.09	0.00	1.00	1.00	1.00
7	1	20	0.76	0.30	0.56	0.54	0.84	0.95	0.80	0.87	0.78	0.76	0.42	0.43	0.76	0.49	0.41	0.39	0.37	0.72	0.54	0.32	0.75	0.30	0.20	0.00	0.01	0.01	0.01	0.07	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	1	21	0.60	0.22	0.56	0.47	0.86	0.88	0.80	0.87	0.64	0.60	0.40	0.50	0.61	0.55	0.43	0.41	0.52	0.71	0.65	0.28	0.86	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	22	0.47	0.20	0.55	0.44	0.86	0.76	0.80	0.87	0.51	0.46	0.44	0.49	0.47	0.54	0.49	0.48	0.56	0.76	0.54	0.27	0.85	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	23	0.41	0.16	0.56	0.42	0.85	0.73	0.78	0.84	0.46	0.40	0.39	0.50	0.42	0.55	0.48	0.46	0.50	0.75	0.45	0.28	0.76	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	1	24	0.38	0.20	0.55	0.40	0.85	0.61	0.77	0.82	0.43	0.37	0.35	0.50	0.39	0.56	0.42	0.40	0.44	0.72	0.41	0.20	0.63	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	1	0.39	0.15	0.52	0.35	0.84	0.74	0.75	0.80	0.44	0.38	0.28	0.47	0.40	0.52	0.34	0.32	0.42	0.71	0.42	0.18	0.54	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	2	0.37	0.15	0.49	0.27	0.82	0.77	0.72	0.78	0.42	0.36	0.21	0.46	0.38	0.52	0.26	0.24	0.41	0.71	0.31	0.14	0.49	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	3	0.37	0.16	0.51	0.21	0.80	0.68	0.69	0.74	0.42	0.36	0.18	0.43	0.38	0.48	0.21	0.18	0.37	0.66	0.18	0.09	0.43	0.16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	4	0.36	0.08	0.49	0.13	0.79	0.54	0.68	0.70	0.41	0.35	0.14	0.41	0.36	0.47	0.19	0.17	0.26	0.63	0.12	0.06	0.45	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	5	0.35	0.04	0.41	0.08	0.76	0.45	0.66	0.67	0.40	0.34	0.11	0.39	0.36	0.45	0.17	0.15	0.25	0.62	0.12	0.05	0.42	0.04	0.00	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.02	0.15	0.08	0.05	0.12	1.00	1.00	1.00
7	2	6	0.34	0.03	0.37	0.06	0.65	0.35	0.63	0.62	0.39	0.33	0.10	0.37	0.35	0.43	0.13	0.11	0.22	0.61	0.08	0.03	0.34	0.03	0.00	0.01	0.18	0.41	0.17	0.14	0.18	0.18	0.27	0.19	0.29	0.37	0.42	0.34	0.27	0.26	0.34	0.47	0.44	0.40	0.47	1.00	1.00	1.00
7	2	7	0.32	0.03	0.28	0.02	0.40	0.21	0.59	0.54	0.37	0.31	0.11	0.32	0.32	0.40	0.08	0.06	0.14	0.53	0.04	0.02	0.14	0.03	0.00	0.03	0.38	0.63	0.38	0.41	0.52	0.51	0.57	0.53	0.62	0.65	0.66	0.61	0.57	0.57	0.61	0.67	0.66	0.64	0.75	1.00	1.00	1.00
7	2	8	0.28	0.02	0.27	0.01	0.19	0.07	0.53	0.44	0.33	0.27	0.10	0.11	0.29	0.18	0.07	0.05	0.10	0.51	0.05	0.03	0.05	0.02	0.00	0.24	0.59	0.78	0.58	0.74	0.73	0.69	0.75	0.76	0.82	0.82	0.81	0.77	0.76	0.75	0.76	0.78	0.78	0.79	0.87	1.00	1.00	1.00
7	2	9	0.31	0.03	0.29	0.02	0.08	0.10	0.49	0.46	0.37	0.31	0.06	0.01	0.32	0.05	0.09	0.07	0.07	0.46	0.07	0.04	0.02	0.03	0.00	0.46	0.73	0.88	0.72	0.85	0.84	0.82	0.86	0.89	0.91	0.92	0.89	0.86	0.83	0.87	0.86	0.83	0.85	0.88	0.98	1.00	1.00	1.00
7	2	10	0.38	0.05	0.27	0.04	0.01	0.11	0.51	0.53	0.43	0.37	0.05	0.00	0.38	0.03	0.11	0.09	0.09	0.37	0.10	0.06	0.02	0.05	0.00	0.63	0.83	0.88	0.81	0.96	0.89	0.87	0.91	0.95	0.97	0.94	0.92	0.90	0.92	0.90	0.89	0.85	0.86	0.91	1.00	1.00	1.00	1.00
7	2	11	0.35	0.08	0.25	0.08	0.00	0.16	0.54	0.61	0.40	0.34	0.05	0.00	0.36	0.05	0.14	0.12	0.14	0.30	0.17	0.07	0.02	0.08	0.00	0.73	0.87	0.89	0.85	0.97	0.91	0.88	0.91	0.97	0.97	0.95	0.92	0.91	0.92	0.92	0.90	0.81	0.86	0.91	1.00	1.00	1.00	1.00
7	2	12	0.38	0.08	0.25	0.11	0.00	0.22	0.57	0.68	0.43	0.37	0.07	0.01	0.39	0.08	0.16	0.14	0.14	0.31	0.36	0.11	0.03	0.08	0.00	0.78	0.88	0.90	0.86	0.96	0.89	0.87	0.89	0.96	0.98	0.93	0.90	0.89	0.90	0.90	0.88	0.80	0.84	0.88	0.95	1.00	1.00	1.00
7	2	13	0.49	0.07	0.29	0.13	0.00	0.26	0.65	0.76	0.53	0.48	0.17	0.02	0.50	0.09	0.20	0.18	0.14	0.39	0.44	0.18	0.07	0.07	0.00	0.79	0.88	0.88	0.86	0.95	0.86	0.84	0.88	0.95	0.96	0.92	0.89	0.88	0.89	0.89	0.87	0.81	0.84	0.87	0.78	1.00	1.00	1.00
7	2	14	0.56	0.19	0.36	0.13	0.00	0.29	0.70	0.83	0.60	0.55	0.28	0.02	0.56	0.09	0.25	0.23	0.19	0.51	0.29	0.20	0.11	0.19	0.09	0.76	0.86	0.87	0.85	0.94	0.85	0.84	0.88	0.95	0.95	0.92	0.90	0.87	0.89	0.90	0.87	0.82	0.84	0.88	0.77	1.00	1.00	1.00
7	2	15	0.58	0.47	0.40	0.12	0.02	0.29	0.74	0.88	0.62	0.58	0.36	0.02	0.59	0.09	0.30	0.28	0.21	0.55	0.32	0.17	0.14	0.47	0.35	0.69	0.83	0.80	0.82	0.95	0.85	0.84	0.88	0.94	0.96	0.92	0.89	0.86	0.87	0.86	0.85	0.81	0.81	0.85	0.56	1.00	1.00	1.00
7	2	16	0.65	0.33	0.43	0.12	0.12	0.36	0.76	0.91	0.68	0.64	0.41	0.04	0.65	0.11	0.34	0.32	0.21	0.57	0.28	0.14	0.16	0.33	0.22	0.56	0.76	0.74	0.74	0.92	0.82	0.81	0.85	0.90	0.90	0.87	0.84	0.81	0.77	0.82	0.80	0.79	0.81	0.79	0.37	1.00	1.00	1.00
7	2	17	0.66	0.29	0.46	0.13	0.32	0.40	0.77	0.92	0.69	0.66	0.44	0.09	0.67	0.16	0.35	0.33	0.21	0.63	0.30	0.14	0.18	0.29	0.19	0.37	0.62	0.61	0.61	0.85	0.75	0.73	0.76	0.80	0.80	0.77	0.75	0.65	0.63	0.67	0.65	0.73	0.74	0.62	0.22	1.00	1.00	1.00
7	2	18	0.68	0.42	0.47	0.15	0.52	0.43	0.79	0.90	0.71	0.68	0.45	0.19	0.68	0.27	0.33	0.30	0.20	0.71	0.33	0.17	0.20	0.42	0.31	0.14	0.41	0.44	0.40	0.69	0.57	0.56	0.58	0.60	0.59	0.58	0.52	0.46	0.36	0.42	0.45	0.55	0.61	0.35	0.13	1.00	1.00	1.00
7	2	19	0.72	0.44	0.42	0.23	0.69	0.61	0.80	0.86	0.75	0.72	0.43	0.20	0.73	0.27	0.31	0.28	0.21	0.79	0.37	0.23	0.39	0.44	0.34	0.01	0.14	0.18	0.14	0.38	0.33	0.24	0.13	0.12	0.19	0.32	0.22	0.18	0.12	0.14	0.18	0.29	0.25	0.07	0.00	1.00	1.00	1.00
7	2	20	0.68	0.49	0.40	0.30	0.80	0.86	0.81	0.86	0.71	0.68	0.41	0.31	0.69	0.38	0.35	0.33	0.27	0.86	0.52	0.26	0.63	0.49	0.40	0.00	0.01	0.01	0.01	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	2	21	0.57	0.61	0.46	0.25	0.81	0.82	0.80	0.86	0.61	0.56	0.42	0.40	0.58	0.47	0.35	0.33	0.23	0.81	0.58	0.23	0.78	0.61	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	22	0.44	0.19	0.46	0.19	0.80	0.73	0.80	0.85	0.49	0.44	0.36	0.38	0.45	0.44	0.34	0.32	0.14	0.74	0.50	0.16	0.76	0.19	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	23	0.32	0.42	0.43	0.12	0.81	0.76	0.79	0.83	0.37	0.31	0.26	0.32	0.33	0.39	0.29	0.26	0.09	0.67	0.35	0.18	0.68	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	2	24	0.30	0.37	0.49	0.07	0.83	0.68	0.76	0.81	0.35	0.29	0.22	0.31	0.31	0.37	0.21	0.19	0.16	0.39	0.36	0.13	0.59	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	1	0.31	0.25	0.48	0.05	0.83	0.40	0.75	0.81	0.37	0.31	0.18	0.29	0.32	0.36	0.15	0.13	0.23	0.14	0.35	0.06	0.55	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	2	0.34	0.36	0.42	0.03	0.82	0.37	0.76	0.82	0.39	0.33	0.12	0.21	0.34	0.29	0.13	0.11	0.20	0.06	0.39	0.03	0.51	0.36	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	3	0.30	0.12	0.35	0.03	0.82	0.47	0.74	0.79	0.36	0.30	0.10	0.11	0.31	0.18	0.10	0.08	0.18	0.07	0.50	0.04	0.50	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	4	0.28	0.06	0.29	0.03	0.82	0.33	0.73	0.74	0.33	0.27	0.09	0.12	0.29	0.20	0.07	0.06	0.14	0.07	0.44	0.01	0.42	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	5	0.27	0.02	0.31	0.03	0.81	0.21	0.73	0.66	0.33	0.27	0.04	0.02	0.28	0.09	0.06	0.04	0.14	0.06	0.37	0.00	0.26	0.02	0.00	0.00	0.01	0.08	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.15	0.08	0.03	0.09	1.00	1.00	1.00
7	3	6	0.21	0.03	0.24	0.02	0.73	0.16	0.72	0.55	0.26	0.20	0.01	0.00	0.22	0.05	0.04	0.02	0.10	0.05	0.24	0.00	0.14	0.03	0.00	0.01	0.19	0.39	0.18	0.32	0.18	0.19	0.27	0.18	0.28	0.37	0.41	0.34	0.29	0.29	0.34	0.48	0.44	0.36	0.40	1.00	1.00	1.00
7	3	7	0.16	0.03	0.11	0.02	0.57	0.17	0.70	0.42	0.22	0.15	0.00	0.00	0.17	0.02	0.02	0.01	0.04	0.02	0.11	0.00	0.04	0.03	0.00	0.03	0.40	0.61	0.39	0.64	0.52	0.52	0.56	0.54	0.60	0.66	0.66	0.63	0.57	0.57	0.62	0.68	0.67	0.62	0.62	1.00	1.00	1.00
7	3	8	0.09	0.03	0.06	0.01	0.39	0.07	0.68	0.25	0.15	0.08	0.00	0.00	0.10	0.01	0.01	0.00	0.03	0.02	0.12	0.00	0.00	0.03	0.00	0.24	0.59	0.78	0.58	0.82	0.72	0.71	0.74	0.76	0.80	0.83	0.80	0.78	0.75	0.75	0.78	0.79	0.79	0.78	0.84	1.00	1.00	1.00
7	3	9	0.05	0.04	0.01	0.01	0.25	0.07	0.67	0.13	0.11	0.04	0.00	0.00	0.06	0.00	0.02	0.01	0.03	0.03	0.16	0.00	0.00	0.04	0.00	0.46	0.74	0.89	0.72	0.91	0.83	0.82	0.85	0.89	0.92	0.92	0.88	0.87	0.84	0.87	0.86	0.85	0.86	0.87	0.99	1.00	1.00	1.00
7	3	10	0.02	0.07	0.00	0.01	0.14	0.11	0.67	0.04	0.07	0.01	0.00	0.00	0.03	0.00	0.02	0.01	0.02	0.07	0.25	0.00	0.01	0.07	0.00	0.63	0.83	0.94	0.81	0.95	0.88	0.86	0.90	0.95	0.99	0.96	0.93	0.90	0.92	0.91	0.89	0.87	0.87	0.91	1.00	1.00	1.00	1.00
7	3	11	0.00	0.10	0.00	0.01	0.04	0.15	0.66	0.00	0.05	0.00	0.00	0.00	0.01	0.01	0.03	0.02	0.01	0.08	0.36	0.00	0.02	0.10	0.01	0.73	0.87	0.94	0.85	0.96	0.90	0.88	0.91	0.97	0.99	0.96	0.93	0.90	0.93	0.91	0.89	0.86	0.88	0.91	1.00	1.00	1.00	1.00
7	3	12	0.00	0.10	0.00	0.01	0.00	0.26	0.66	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.04	0.02	0.01	0.09	0.49	0.00	0.03	0.10	0.02	0.78	0.88	0.93	0.86	0.95	0.87	0.86	0.89	0.96	0.97	0.93	0.91	0.88	0.91	0.88	0.88	0.83	0.85	0.88	0.97	1.00	1.00	1.00
7	3	13	0.00	0.14	0.00	0.01	0.00	0.25	0.68	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.04	0.03	0.01	0.10	0.37	0.00	0.04	0.14	0.04	0.78	0.86	0.89	0.85	0.92	0.84	0.82	0.86	0.94	0.93	0.92	0.88	0.88	0.89	0.87	0.88	0.82	0.82	0.87	0.91	1.00	1.00	1.00
7	3	14	0.00	0.14	0.00	0.01	0.00	0.28	0.72	0.00	0.05	0.00	0.00	0.00	0.00	0.04	0.04	0.03	0.01	0.10	0.38	0.00	0.07	0.14	0.05	0.75	0.86	0.89	0.84	0.92	0.83	0.83	0.87	0.94	0.95	0.92	0.89	0.87	0.88	0.89	0.86	0.83	0.85	0.87	0.83	1.00	1.00	1.00
7	3	15	0.00	0.22	0.00	0.01	0.01	0.28	0.74	0.05	0.05	0.00	0.00	0.00	0.01	0.06	0.05	0.03	0.02	0.11	0.43	0.00	0.08	0.22	0.12	0.68	0.82	0.86	0.81	0.92	0.84	0.83	0.87	0.94	0.95	0.92	0.89	0.83	0.85	0.88	0.82	0.83	0.85	0.85	0.80	1.00	1.00	1.00
7	3	16	0.08	0.56	0.00	0.02	0.09	0.33	0.75	0.19	0.14	0.07	0.00	0.01	0.09	0.07	0.05	0.03	0.03	0.13	0.26	0.00	0.10	0.57	0.46	0.55	0.75	0.79	0.73	0.89	0.81	0.79	0.84	0.89	0.90	0.86	0.83	0.79	0.75	0.82	0.79	0.80	0.81	0.76	0.70	1.00	1.00	1.00
7	3	17	0.20	0.50	0.01	0.03	0.23	0.35	0.76	0.40	0.25	0.19	0.07	0.00	0.21	0.06	0.06	0.04	0.07	0.16	0.13	0.00	0.11	0.50	0.40	0.37	0.61	0.66	0.60	0.83	0.73	0.71	0.75	0.80	0.78	0.72	0.73	0.65	0.69	0.67	0.64	0.73	0.74	0.62	0.53	1.00	1.00	1.00
7	3	18	0.28	0.41	0.06	0.05	0.42	0.35	0.77	0.54	0.34	0.28	0.25	0.03	0.29	0.09	0.07	0.05	0.13	0.23	0.07	0.00	0.15	0.41	0.30	0.14	0.41	0.44	0.40	0.68	0.57	0.55	0.58	0.60	0.56	0.50	0.55	0.43	0.45	0.48	0.43	0.56	0.60	0.37	0.17	1.00	1.00	1.00
7	3	19	0.37	0.29	0.12	0.11	0.65	0.41	0.78	0.60	0.42	0.36	0.33	0.24	0.38	0.31	0.08	0.06	0.24	0.41	0.08	0.01	0.28	0.29	0.19	0.01	0.14	0.19	0.13	0.37	0.30	0.24	0.11	0.07	0.14	0.27	0.23	0.17	0.16	0.18	0.17	0.29	0.25	0.08	0.00	1.00	1.00	1.00
7	3	20	0.50	0.32	0.27	0.17	0.78	0.77	0.78	0.61	0.54	0.49	0.25	0.32	0.50	0.39	0.10	0.08	0.37	0.60	0.12	0.01	0.42	0.32	0.23	0.00	0.01	0.01	0.01	0.07	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	3	21	0.48	0.60	0.40	0.17	0.81	0.80	0.78	0.57	0.52	0.48	0.17	0.34	0.49	0.40	0.11	0.09	0.41	0.47	0.17	0.01	0.42	0.60	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	22	0.57	0.28	0.41	0.13	0.80	0.63	0.75	0.57	0.61	0.57	0.13	0.36	0.58	0.42	0.16	0.13	0.34	0.30	0.16	0.01	0.64	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	23	0.45	0.20	0.37	0.10	0.80	0.48	0.72	0.54	0.49	0.44	0.14	0.40	0.45	0.47	0.14	0.12	0.30	0.17	0.16	0.01	0.63	0.20	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	3	24	0.35	0.49	0.28	0.09	0.79	0.68	0.70	0.49	0.40	0.34	0.12	0.40	0.35	0.46	0.13	0.11	0.34	0.09	0.15	0.00	0.54	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	1	0.30	0.63	0.15	0.07	0.78	0.49	0.65	0.44	0.35	0.29	0.09	0.38	0.31	0.44	0.11	0.09	0.43	0.08	0.15	0.00	0.48	0.63	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	2	0.27	0.46	0.06	0.08	0.75	0.21	0.61	0.40	0.33	0.27	0.05	0.35	0.28	0.42	0.10	0.08	0.37	0.06	0.15	0.00	0.45	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	3	0.25	0.30	0.05	0.08	0.70	0.23	0.58	0.35	0.31	0.24	0.07	0.29	0.26	0.36	0.07	0.05	0.33	0.06	0.19	0.00	0.39	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	4	0.19	0.25	0.06	0.10	0.65	0.18	0.55	0.29	0.25	0.18	0.10	0.24	0.20	0.32	0.06	0.04	0.28	0.06	0.23	0.00	0.31	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	5	0.12	0.17	0.07	0.11	0.55	0.14	0.53	0.22	0.18	0.11	0.07	0.13	0.13	0.21	0.06	0.05	0.24	0.05	0.19	0.00	0.20	0.17	0.07	0.00	0.01	0.09	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.00	0.02	0.14	0.08	0.05	0.14	1.00	1.00	1.00
7	4	6	0.04	0.08	0.01	0.11	0.43	0.14	0.49	0.15	0.09	0.03	0.02	0.05	0.05	0.12	0.06	0.04	0.20	0.03	0.11	0.00	0.09	0.08	0.01	0.01	0.18	0.39	0.17	0.30	0.17	0.17	0.26	0.14	0.26	0.35	0.40	0.35	0.31	0.24	0.34	0.46	0.43	0.36	0.51	1.00	1.00	1.00
7	4	7	0.00	0.14	0.00	0.10	0.30	0.11	0.41	0.06	0.03	0.00	0.00	0.00	0.00	0.04	0.04	0.02	0.12	0.02	0.07	0.00	0.01	0.14	0.04	0.03	0.39	0.60	0.38	0.60	0.51	0.49	0.55	0.51	0.59	0.62	0.64	0.61	0.60	0.54	0.61	0.66	0.64	0.62	0.74	1.00	1.00	1.00
7	4	8	0.00	0.19	0.00	0.06	0.13	0.01	0.34	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.04	0.02	0.10	0.03	0.05	0.00	0.00	0.19	0.08	0.24	0.58	0.75	0.57	0.79	0.71	0.69	0.73	0.74	0.78	0.77	0.78	0.78	0.77	0.74	0.77	0.75	0.77	0.78	0.85	1.00	1.00	1.00
7	4	9	0.02	0.16	0.00	0.05	0.02	0.02	0.29	0.00	0.07	0.01	0.00	0.00	0.03	0.00	0.04	0.02	0.09	0.08	0.05	0.00	0.00	0.16	0.06	0.45	0.72	0.85	0.71	0.88	0.82	0.80	0.84	0.88	0.90	0.88	0.86	0.84	0.83	0.86	0.83	0.82	0.84	0.85	0.89	1.00	1.00	1.00
7	4	10	0.03	0.22	0.00	0.04	0.00	0.03	0.24	0.00	0.09	0.02	0.00	0.00	0.04	0.00	0.04	0.03	0.08	0.14	0.05	0.00	0.00	0.22	0.11	0.62	0.81	0.88	0.80	0.93	0.87	0.85	0.88	0.94	0.96	0.91	0.91	0.89	0.89	0.90	0.88	0.85	0.86	0.88	0.83	1.00	1.00	1.00
7	4	11	0.05	0.27	0.00	0.03	0.00	0.04	0.22	0.00	0.11	0.04	0.00	0.00	0.06	0.00	0.05	0.03	0.07	0.19	0.05	0.00	0.00	0.27	0.15	0.70	0.84	0.91	0.82	0.94	0.88	0.86	0.89	0.93	0.97	0.92	0.90	0.87	0.81	0.89	0.86	0.85	0.86	0.88	0.90	1.00	1.00	1.00
7	4	12	0.07	0.23	0.00	0.02	0.00	0.07	0.21	0.00	0.12	0.06	0.00	0.00	0.08	0.01	0.06	0.05	0.04	0.21	0.05	0.00	0.00	0.23	0.12	0.75	0.85	0.89	0.83	0.92	0.86	0.84	0.87	0.92	0.95	0.89	0.87	0.86	0.83	0.86	0.85	0.83	0.84	0.86	0.85	1.00	1.00	1.00
7	4	13	0.08	0.23	0.00	0.01	0.00	0.08	0.21	0.00	0.13	0.07	0.00	0.00	0.09	0.01	0.06	0.05	0.02	0.21	0.05	0.00	0.00	0.23	0.12	0.75	0.83	0.86	0.81	0.91	0.83	0.81	0.84	0.90	0.91	0.86	0.87	0.82	0.82	0.82	0.81	0.82	0.82	0.84	0.75	1.00	1.00	1.00
7	4	14	0.06	0.27	0.00	0.01	0.00	0.11	0.22	0.00	0.12	0.05	0.00	0.00	0.07	0.01	0.07	0.05	0.02	0.20	0.06	0.00	0.05	0.27	0.17	0.72	0.82	0.86	0.81	0.90	0.81	0.80	0.85	0.91	0.88	0.86	0.87	0.83	0.84	0.86	0.83	0.83	0.83	0.85	0.77	1.00	1.00	1.00
7	4	15	0.07	0.39	0.00	0.01	0.00	0.12	0.26	0.00	0.13	0.06	0.00	0.00	0.08	0.01	0.08	0.06	0.04	0.18	0.09	0.00	0.06	0.39	0.28	0.64	0.78	0.79	0.76	0.88	0.81	0.80	0.84	0.90	0.86	0.83	0.85	0.79	0.77	0.78	0.79	0.82	0.83	0.83	0.52	1.00	1.00	1.00
7	4	16	0.09	0.43	0.00	0.01	0.01	0.10	0.31	0.01	0.15	0.08	0.07	0.00	0.10	0.02	0.09	0.07	0.06	0.18	0.17	0.02	0.00	0.43	0.31	0.52	0.69	0.73	0.68	0.86	0.78	0.76	0.80	0.83	0.72	0.77	0.83	0.75	0.68	0.74	0.74	0.80	0.81	0.76	0.40	1.00	1.00	1.00
7	4	17	0.12	0.19	0.00	0.02	0.07	0.12	0.37	0.08	0.17	0.11	0.24	0.00	0.13	0.03	0.10	0.08	0.09	0.17	0.22	0.03	0.04	0.18	0.10	0.35	0.59	0.61	0.58	0.80	0.70	0.70	0.72	0.72	0.68	0.71	0.73	0.63	0.65	0.69	0.63	0.72	0.74	0.62	0.24	1.00	1.00	1.00
7	4	18	0.23	0.36	0.01	0.04	0.26	0.12	0.44	0.20	0.29	0.22	0.36	0.01	0.24	0.04	0.12	0.10	0.16	0.18	0.25	0.04	0.03	0.36	0.24	0.13	0.38	0.42	0.37	0.65	0.54	0.54	0.52	0.45	0.50	0.54	0.45	0.43	0.46	0.47	0.42	0.56	0.58	0.36	0.12	1.00	1.00	1.00
7	4	19	0.35	0.21	0.06	0.10	0.51	0.14	0.52	0.38	0.40	0.34	0.40	0.13	0.36	0.20	0.15	0.13	0.25	0.26	0.28	0.08	0.11	0.20	0.12	0.01	0.13	0.17	0.13	0.32	0.26	0.22	0.15	0.08	0.17	0.30	0.18	0.17	0.17	0.18	0.17	0.29	0.20	0.08	0.00	1.00	1.00	1.00
7	4	20	0.53	0.51	0.14	0.21	0.68	0.33	0.53	0.54	0.57	0.52	0.30	0.29	0.53	0.36	0.22	0.20	0.35	0.43	0.39	0.09	0.40	0.51	0.40	0.00	0.01	0.01	0.01	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	4	21	0.67	0.47	0.18	0.23	0.72	0.36	0.48	0.59	0.70	0.67	0.23	0.30	0.68	0.36	0.23	0.21	0.36	0.37	0.28	0.14	0.59	0.48	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	22	0.64	0.21	0.10	0.19	0.75	0.50	0.45	0.59	0.68	0.64	0.25	0.34	0.65	0.41	0.19	0.17	0.28	0.22	0.29	0.15	0.18	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	23	0.47	0.25	0.05	0.17	0.74	0.23	0.41	0.58	0.51	0.46	0.30	0.38	0.47	0.44	0.16	0.14	0.39	0.15	0.39	0.15	0.19	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	4	24	0.39	0.30	0.03	0.19	0.69	0.17	0.37	0.56	0.44	0.39	0.27	0.36	0.40	0.43	0.16	0.14	0.43	0.08	0.32	0.08	0.13	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	1	0.36	0.18	0.02	0.20	0.62	0.23	0.35	0.54	0.41	0.35	0.21	0.34	0.37	0.41	0.17	0.15	0.32	0.04	0.16	0.03	0.09	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	2	0.31	0.10	0.02	0.21	0.48	0.16	0.30	0.52	0.36	0.30	0.10	0.27	0.32	0.34	0.16	0.14	0.24	0.05	0.06	0.00	0.18	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	3	0.22	0.19	0.00	0.23	0.35	0.03	0.25	0.47	0.27	0.21	0.06	0.17	0.23	0.24	0.15	0.13	0.17	0.04	0.05	0.00	0.21	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	4	0.19	0.14	0.00	0.22	0.21	0.03	0.20	0.41	0.25	0.18	0.02	0.09	0.20	0.17	0.13	0.11	0.13	0.01	0.03	0.00	0.15	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	5	0.16	0.09	0.00	0.18	0.09	0.04	0.19	0.38	0.22	0.15	0.00	0.02	0.17	0.09	0.13	0.11	0.07	0.00	0.06	0.00	0.10	0.09	0.01	0.00	0.00	0.09	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.01	0.14	0.07	0.03	0.17	1.00	1.00	1.00
7	5	6	0.10	0.05	0.00	0.17	0.02	0.03	0.20	0.31	0.16	0.09	0.00	0.00	0.11	0.02	0.11	0.09	0.04	0.00	0.06	0.00	0.07	0.05	0.00	0.01	0.16	0.37	0.16	0.29	0.14	0.16	0.23	0.10	0.25	0.32	0.39	0.29	0.26	0.21	0.29	0.47	0.43	0.29	0.45	1.00	1.00	1.00
7	5	7	0.04	0.09	0.00	0.10	0.00	0.00	0.19	0.20	0.10	0.04	0.00	0.00	0.05	0.01	0.08	0.06	0.02	0.00	0.07	0.00	0.06	0.09	0.01	0.03	0.37	0.60	0.36	0.59	0.48	0.49	0.52	0.41	0.57	0.62	0.64	0.59	0.53	0.55	0.59	0.67	0.64	0.54	0.72	1.00	1.00	1.00
7	5	8	0.02	0.12	0.00	0.06	0.00	0.00	0.13	0.11	0.08	0.01	0.00	0.00	0.03	0.00	0.06	0.04	0.02	0.00	0.06	0.00	0.19	0.12	0.03	0.23	0.57	0.77	0.56	0.78	0.69	0.67	0.71	0.67	0.78	0.81	0.78	0.77	0.73	0.76	0.76	0.79	0.76	0.76	0.88	1.00	1.00	1.00
7	5	9	0.00	0.13	0.00	0.04	0.00	0.00	0.13	0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.06	0.04	0.02	0.01	0.09	0.00	0.13	0.13	0.04	0.45	0.72	0.86	0.70	0.87	0.80	0.76	0.82	0.85	0.90	0.90	0.85	0.84	0.83	0.87	0.84	0.83	0.82	0.85	0.90	1.00	1.00	1.00
7	5	10	0.00	0.15	0.00	0.03	0.00	0.00	0.11	0.07	0.04	0.00	0.00	0.00	0.00	0.02	0.06	0.04	0.01	0.03	0.07	0.00	0.06	0.15	0.05	0.61	0.80	0.92	0.79	0.91	0.85	0.82	0.86	0.92	0.94	0.93	0.89	0.89	0.87	0.92	0.88	0.85	0.85	0.89	1.00	1.00	1.00	1.00
7	5	11	0.00	0.15	0.00	0.03	0.00	0.00	0.09	0.07	0.04	0.00	0.00	0.00	0.00	0.01	0.06	0.04	0.00	0.04	0.09	0.04	0.06	0.15	0.05	0.70	0.84	0.90	0.82	0.91	0.85	0.81	0.87	0.95	0.95	0.93	0.84	0.89	0.88	0.91	0.88	0.84	0.85	0.88	0.88	1.00	1.00	1.00
7	5	12	0.00	0.15	0.00	0.03	0.00	0.00	0.09	0.08	0.05	0.00	0.00	0.00	0.01	0.01	0.05	0.04	0.00	0.04	0.13	0.07	0.12	0.15	0.05	0.75	0.85	0.89	0.83	0.90	0.84	0.81	0.86	0.94	0.94	0.92	0.89	0.88	0.85	0.89	0.87	0.82	0.81	0.86	0.84	1.00	1.00	1.00
7	5	13	0.05	0.24	0.00	0.03	0.00	0.01	0.10	0.15	0.11	0.05	0.01	0.00	0.06	0.02	0.05	0.04	0.00	0.05	0.21	0.08	0.12	0.24	0.13	0.77	0.85	0.86	0.83	0.89	0.81	0.78	0.83	0.92	0.92	0.90	0.88	0.87	0.88	0.88	0.86	0.78	0.77	0.86	0.83	1.00	1.00	1.00
7	5	14	0.13	0.35	0.00	0.04	0.00	0.03	0.11	0.23	0.19	0.12	0.08	0.00	0.14	0.04	0.07	0.05	0.01	0.05	0.18	0.09	0.53	0.36	0.24	0.72	0.82	0.82	0.80	0.88	0.80	0.78	0.83	0.89	0.90	0.82	0.88	0.86	0.87	0.83	0.85	0.79	0.77	0.86	0.72	1.00	1.00	1.00
7	5	15	0.20	0.31	0.00	0.05	0.00	0.03	0.17	0.35	0.26	0.19	0.21	0.00	0.21	0.05	0.08	0.07	0.01	0.07	0.15	0.10	0.69	0.31	0.20	0.64	0.77	0.74	0.76	0.85	0.80	0.77	0.81	0.90	0.82	0.70	0.86	0.86	0.87	0.87	0.85	0.65	0.69	0.85	0.64	1.00	1.00	1.00

Based on 2007 Weather

			Wind																						
Month	Day	Hour	CAISO_Wind	SW_Wind_fc	Contracted_	Northern_Ca	Solano_Wind	Central_Valle	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
7	5	16	0.28	0.23	0.02	0.08	0.01	0.03	0.22	0.52	0.33	0.27	0.41	0.00	0.29	0.06	0.11	0.09	0.03	0.23	0.16	0.11	0.23	0.23	0.12
7	5	17	0.41	0.17	0.04	0.14	0.07	0.03	0.31	0.71	0.46	0.40	0.49	0.02	0.42	0.08	0.13	0.11	0.05	0.30	0.34	0.08	0.15	0.17	0.07
7	5	18	0.62	0.14	0.21	0.32	0.24	0.31	0.35	0.79	0.66	0.62	0.50	0.22	0.63	0.29	0.27	0.25	0.04	0.21	0.36	0.10	0.08	0.14	0.04
7	5	19	0.53	0.15	0.52	0.39	0.49	0.73	0.40	0.81	0.57	0.53	0.48	0.53	0.54	0.59	0.41	0.39	0.06	0.16	0.34	0.22	0.39	0.15	0.06
7	5	20	0.59	0.28	0.58	0.45	0.69	0.84	0.42	0.81	0.63	0.58	0.50	0.62	0.59	0.66	0.51	0.49	0.10	0.12	0.43	0.45	0.35	0.29	0.17
7	5	21	0.53	0.28	0.64	0.35	0.76	0.75	0.38	0.80	0.57	0.52	0.51	0.60	0.53	0.64	0.57	0.55	0.14	0.44	0.53	0.52	0.33	0.28	0.17
7	5	22	0.48	0.31	0.65	0.25	0.79	0.76	0.36	0.78	0.52	0.47	0.46	0.49	0.49	0.54	0.58	0.57	0.15	0.62	0.54	0.45	0.38	0.31	0.20
7	5	23	0.45	0.26	0.66	0.28	0.78	0.53	0.37	0.74	0.49	0.44	0.43	0.40	0.46	0.47	0.49	0.47	0.20	0.34	0.52	0.34	0.47	0.26	0.15
7	5	24	0.58	0.16	0.67	0.32	0.74	0.52	0.50	0.69	0.62	0.57	0.39	0.29	0.59	0.36	0.46	0.44	0.18	0.35	0.37	0.33	0.28	0.16	0.06
7	6	1	0.58	0.16	0.66	0.34	0.68	0.60	0.34	0.66	0.62	0.58	0.30	0.13	0.59	0.20	0.41	0.39	0.19	0.54	0.22	0.36	0.25	0.16	0.06
7	6	2	0.38	0.17	0.63	0.33	0.63	0.65	0.22	0.61	0.43	0.38	0.19	0.07	0.39	0.14	0.31	0.29	0.19	0.63	0.13	0.39	0.42	0.17	0.07
7	6	3	0.31	0.17	0.60	0.16	0.62	0.47	0.15	0.50	0.36	0.30	0.11	0.08	0.32	0.16	0.38	0.36	0.17	0.67	0.04	0.38	0.59	0.17	0.07
7	6	4	0.17	0.15	0.54	0.17	0.58	0.44	0.15	0.37	0.22	0.16	0.05	0.07	0.18	0.15	0.44	0.42	0.15	0.52	0.02	0.35	0.54	0.15	0.05
7	6	5	0.14	0.09	0.55	0.17	0.50	0.51	0.16	0.31	0.19	0.13	0.01	0.11	0.15	0.19	0.31	0.29	0.08	0.60	0.02	0.38	0.39	0.09	0.01
7	6	6	0.23	0.11	0.52	0.05	0.43	0.06	0.13	0.27	0.29	0.22	0.04	0.11	0.24	0.18	0.28	0.26	0.05	0.51	0.01	0.39	0.82	0.11	0.02
7	6	7	0.14	0.10	0.44	0.04	0.42	0.06	0.09	0.18	0.20	0.13	0.08	0.01	0.15	0.07	0.21	0.19	0.04	0.44	0.00	0.39	0.45	0.10	0.01
7	6	8	0.14	0.06	0.40	0.04	0.34	0.06	0.06	0.06	0.20	0.13	0.07	0.00	0.15	0.03	0.17	0.15	0.03	0.46	0.01	0.34	0.29	0.06	0.00
7	6	9	0.01	0.06	0.32	0.03	0.19	0.04	0.04	0.01	0.03	0.01	0.07	0.00	0.01	0.05	0.12	0.10	0.10	0.51	0.02	0.40	0.78	0.06	0.00
7	6	10	0.03	0.12	0.25	0.03	0.11	0.04	0.03	0.00	0.09	0.02	0.08	0.01	0.04	0.08	0.07	0.06	0.14	0.20	0.02	0.43	0.47	0.12	0.03
7	6	11	0.08	0.12	0.25	0.04	0.08	0.03	0.04	0.01	0.14	0.07	0.09	0.05	0.09	0.12	0.05	0.03	0.13	0.10	0.04	0.46	0.16	0.12	0.03
7	6	12	0.14	0.13	0.28	0.07	0.10	0.02	0.07	0.10	0.19	0.13	0.10	0.03	0.15	0.10	0.06	0.04	0.12	0.28	0.04	0.56	0.23	0.13	0.04
7	6	13	0.37	0.16	0.36	0.17	0.20	0.02	0.07	0.23	0.42	0.36	0.12	0.04	0.38	0.11	0.10	0.08	0.16	0.65	0.04	0.57	0.60	0.16	0.06
7	6	14	0.47	0.17	0.43	0.36	0.38	0.06	0.09	0.34	0.52	0.47	0.16	0.04	0.48	0.11	0.19	0.16	0.53	0.73	0.04	0.54	0.72	0.16	0.07
7	6	15	0.37	0.28	0.59	0.35	0.52	0.23	0.10	0.37	0.41	0.36	0.26	0.07	0.38	0.14	0.28	0.26	0.75	0.54	0.05	0.57	0.80	0.28	0.17
7	6	16	0.43	0.28	0.73	0.26	0.62	0.45	0.14	0.40	0.48	0.42	0.49	0.29	0.44	0.36	0.32	0.30	0.47	0.77	0.08	0.44	0.83	0.28	0.17
7	6	17	0.35	0.18	0.77	0.38	0.68	0.65	0.20	0.46	0.39	0.34	0.55	0.46	0.36	0.52	0.40	0.38	0.37	0.82	0.16	0.38	0.95	0.18	0.08
7	6	18	0.57	0.13	0.71	0.44	0.76	0.76	0.24	0.48	0.61	0.57	0.55	0.47	0.58	0.52	0.44	0.42	0.28	0.69	0.29	0.43	0.85	0.13	0.04
7	6	19	0.63	0.13	0.67	0.48	0.85	0.91	0.27	0.53	0.66	0.62	0.60	0.52	0.64	0.57	0.43	0.41	0.61	0.86	0.56	0.63	0.60	0.13	0.03
7	6	20	0.56	0.11	0.71	0.56	0.88	0.91	0.25	0.59	0.60	0.56	0.68	0.60	0.57	0.65	0.45	0.43	0.68	0.83	0.67	0.50	0.38	0.11	0.02
7	6	21	0.49	0.10	0.70	0.41	0.90	0.85	0.21	0.53	0.53	0.48	0.64	0.59	0.50	0.64	0.41	0.39	0.75	0.67	0.55	0.51	0.55	0.10	0.01
7	6	22	0.39	0.07	0.52	0.37	0.91	0.96	0.24	0.48	0.44	0.39	0.59	0.55	0.40	0.60	0.32	0.30	0.75	0.58	0.41	0.44	0.52	0.07	0.00
7	6	23	0.28	0.08	0.44	0.38	0.87	0.99	0.19	0.43	0.33	0.28	0.57	0.54	0.29	0.59	0.27	0.25	0.62	0.64	0.29	0.34	0.42	0.08	0.00
7	6	24	0.35	0.08	0.48	0.37	0.84	0.91	0.17	0.35	0.40	0.34	0.55	0.53	0.36	0.58	0.23	0.21	0.69	0.79	0.25	0.35	0.65	0.08	0.00
7	7	1	0.38	0.09	0.54	0.31	0.81	0.91	0.15	0.28	0.43	0.37	0.52	0.47	0.39	0.53	0.22	0.19	0.78	0.76	0.21	0.46	0.74	0.09	0.01
7	7	2	0.36	0.08	0.45	0.22	0.78	0.68	0.13	0.22	0.41	0.35	0.37	0.41	0.37	0.47	0.13	0.11	0.61	0.62	0.27	0.59	0.69	0.08	0.00
7	7	3	0.32	0.06	0.40	0.17	0.76	0.60	0.13	0.20	0.37	0.31	0.29	0.42	0.33	0.48	0.07	0.05	0.31	0.47	0.36	0.57	0.38	0.06	0.00
7	7	4	0.21	0.07	0.42	0.16	0.73	0.53	0.15	0.14	0.26	0.20	0.23	0.39	0.21	0.45	0.09	0.07	0.29	0.61	0.55	0.49	0.36	0.07	0.00
7	7	5	0.24	0.07	0.45	0.15	0.63	0.47	0.15	0.06	0.30	0.23	0.15	0.39	0.25	0.46	0.07	0.05	0.20	0.45	0.51	0.38	0.15	0.07	0.00
7	7	6	0.15	0.06	0.36	0.12	0.54	0.46	0.16	0.06	0.21	0.14	0.08	0.37	0.16	0.44	0.04	0.02	0.14	0.25	0.35	0.23	0.02	0.06	0.00
7	7	7	0.13	0.04	0.23	0.05	0.43	0.17	0.16	0.01	0.18	0.12	0.02	0.25	0.14	0.32	0.03	0.02	0.06	0.15	0.42	0.20	0.07	0.04	0.00
7	7	8	0.09	0.04	0.10	0.03	0.33	0.15	0.16	0.00	0.15	0.08	0.01	0.09	0.10	0.16	0.02	0.01	0.05	0.15	0.59	0.23	0.17	0.04	0.00
7	7	9	0.10	0.03	0.02	0.03	0.24	0.10	0.20	0.02	0.16	0.09	0.05	0.01	0.11	0.07	0.03	0.01	0.07	0.14	0.58	0.25	0.31	0.03	0.00
7	7	10	0.09	0.04	0.00	0.03	0.18	0.05	0.29	0.10	0.15	0.08	0.12	0.00	0.10	0.05	0.04	0.02	0.10	0.10	0.36	0.28	0.19	0.04	0.00
7	7	11	0.10	0.06	0.00	0.04	0.14	0.02	0.31	0.16	0.16	0.09	0.34	0.01	0.11	0.08	0.06	0.04	0.13	0.09	0.22	0.32	0.10	0.06	0.00
7	7	12	0.23	0.12	0.01	0.06	0.13	0.02	0.35	0.27	0.29	0.22	0.47	0.05	0.24	0.12	0.07	0.06	0.18	0.30	0.32	0.38	0.14	0.12	0.03
7	7	13	0.37	0.27	0.09	0.08	0.21	0.03	0.42	0.33	0.42	0.36	0.55	0.07	0.38	0.14	0.12	0.09	0.25	0.38	0.71	0.39	0.20	0.28	0.15
7	7	14	0.50	0.20	0.24	0.11	0.30	0.04	0.50	0.39	0.54	0.49	0.59	0.20	0.50	0.27	0.17	0.15	0.33	0.49	0.45	0.41	0.20	0.20	0.09
7	7	15	0.61	0.09	0.41	0.14	0.38	0.13	0.56	0.46	0.64	0.60	0.63	0.37	0.61	0.44	0.17	0.15	0.48	0.76	0.30	0.43	0.44	0.09	0.01
7	7	16	0.66	0.04	0.59	0.16	0.47	0.30	0.60	0.53	0.69	0.66	0.65	0.49	0.67	0.55	0.22	0.19	0.47	0.78	0.30	0.43	0.39	0.04	0.00
7	7	17	0.77	0.05	0.67	0.21	0.56	0.34	0.65	0.58	0.79	0.76	0.67	0.50	0.77	0.55	0.26	0.24	0.61	0.63	0.34	0.40	0.05	0.05	0.00
7	7	18	0.78	0.08	0.68	0.28	0.61	0.37	0.68	0.64	0.80	0.78	0.69	0.58	0.79	0.63	0.32	0.30	0.35	0.54	0.39	0.38	0.06	0.08	0.01
7	7	19	0.78	0.14	0.70	0.32	0.66	0.65	0.72	0.68	0.80	0.78	0.80	0.66	0.79	0.70	0.39	0.37	0.22	0.45	0.63	0.38	0.23	0.14	0.05
7	7	20	0.76	0.28	0.69	0.42	0.75	0.92	0.75	0.69	0.78	0.76	0.86	0.68	0.76	0.71	0.56	0.55	0.24	0.35	0.61	0.49	0.25	0.28	0.17
7	7	21	0.68	0.28	0.65	0.45	0.76	0.86	0.73	0.64	0.71	0.68	0.87	0.65	0.69	0.69	0.60	0.58	0.22	0.25	0.44	0.54	0.41	0.28	0.17
7	7	22	0.75	0.26	0.62	0.38	0.74	0.82	0.69	0.59	0.78	0.75	0.84	0.61	0.76	0.66	0.58	0.57	0.22	0.46	0.42	0.47	0.65	0.26	0.15
7	7	23	0.67	0.29	0.60	0.29	0.71	0.75	0.60	0.53	0.69	0.66	0.80	0.55	0.67	0.60	0.54	0.52	0.19	0.39	0.77	0.48	0.72	0.29	0.18
7	7	24	0.57	0.29	0.57	0.26	0.67	0.64	0.54	0.47	0.61	0.57	0.71	0.54	0.58	0.59	0.47	0.45	0.27	0.34	0.73	0.47	0.70	0.29	0.18
7	8	1	0.44	0.34	0.58	0.25	0.63	0.57	0.45	0.42	0.49	0.43	0.60	0.51	0.45	0.56	0.42	0.40	0.26	0.19	0.51	0.48	0.79	0.34	0.23
7	8	2	0.30	0.36	0.60	0.17	0.60	0.46	0.32	0.33	0.35	0.29	0.50	0.50	0.31	0.56	0.44	0.42	0.36	0.10	0.29	0.37	0.85	0.36	0.25
7	8	3	0.16	0.38	0.57	0.16	0.55	0.36	0.26	0.23	0.21	0.15	0.44	0.49	0.17	0.54	0.42	0.40	0.42	0.06	0.27	0.35	0.82	0.38	0.27
7	8	4	0.12	0.37	0.54	0.15	0.48	0.31	0.23	0.18	0.17	0.11	0.43	0.44	0.13	0.49	0.35	0.33	0.57	0.03	0.18	0.32	0.81	0.37	0.26
7	8	5	0.09	0.36	0.48	0.18	0.42	0.27	0.15	0.15	0.15	0.08	0.40	0.42	0.10	0.48	0.28	0.26	0.59	0.02	0.11	0.31	0.79	0.36	0.25
7	8	6	0.06	0.34	0.39	0.16	0.25	0.19	0.10	0.09	0.12	0.05	0.31	0.44	0.07	0.51	0.22	0.19	0.48	0.04	0.11	0.23	0.72	0.34	0.23
7	8	7	0.01	0.30	0.38	0.12	0.05	0.05	0.05	0.03	0.06	0.00	0.21	0.35	0.02	0.41	0.13	0.11	0.33	0.04	0.25	0.16	0.58	0.30	0.19
7	8	8	0.00	0.26	0.42	0.09	0.00	0.01	0.02	0.01	0.04	0.00	0.16	0.26	0.00	0.33	0.10	0.08	0.26	0.03	0.42	0.13	0.55	0.26	0.14
7	8	9	0.00	0.14	0.42	0.07	0.00	0.00	0.01	0.02	0.04	0.00	0.20	0.25	0.00	0.32	0.09	0.07	0.20	0.04	0.28	0.11	0.45	0.14	0.04
7	8	10	0.00	0.09	0.39	0.04	0.00	0.00	0.01	0.05	0.04	0.00	0.27	0.20	0.00	0.28	0.09	0.07	0.15	0.05	0.20	0.14	0.35	0.09	0.01
7	8	11	0.00	0.06	0.39	0.03	0.00	0.00	0.00	0.09	0.06	0.00	0.35	0.11	0.01	0.18	0.09	0.07	0.13	0.05	0.25	0.20	0.28	0.06	0.00
7	8	12	0.03	0.14	0.38	0.02	0.00	0.00	0.00	0.16	0.08	0.02	0.43	0.09	0.04	0.16	0.09	0.07	0.12	0.06	0.48	0.23	0.21	0.14	0.05
7	8	13	0.11	0.33	0.34	0.01	0.00	0.00	0.00	0.25	0.16	0.10	0.44	0.20	0.12	0.27	0.09	0.07	0.16	0.19	0.49	0.29	0.17	0.33	0.21
7	8	14	0.21	0.30	0.35	0.02	0.00	0.00	0.00	0.32	0.26	0.20	0.49	0.35	0.22	0.42	0.10	0.08	0.21	0.46	0.33	0.34	0.17	0.30	0.19
7	8	15	0.50	0.22	0.46	0.04	0.00	0.02	0.00	0.35	0.55	0.49	0.54	0.42	0.51	0.48	0.12	0.10	0.25	0.79	0.24	0.34	0.19	0.22	0.12
7	8	16	0.49	0.30	0.56	0.07	0.05	0.02	0.01	0.39	0.53	0.48	0.58	0.46	0.50	0.52	0.13	0.10	0.30	0.52	0.24	0.33	0.20	0.30	0.18
7	8	17	0.45	0.27	0.56	0.19	0.28	0.07	0.02	0.42	0.49	0.44	0.58	0.46	0.46	0.52	0.13	0.11	0.29	0.15	0.16	0.33	0.19	0.27	0.16
7	8	18	0.42	0.20	0.60	0.31	0.53	0.29	0.01	0.46	0.46	0.41	0.57	0.49	0.42	0.55	0.15	0.13	0.30	0.02	0.13	0.41	0.22	0.20	0.11
7	8	19	0.44	0.37	0.63	0.47	0.74	0.64	0.01	0.50	0.48	0.43	0.60	0.52	0.44	0.57	0.21	0.19	0.31	0.19	0.07	0.44	0.41	0.37	0.25
7	8	20	0.47	0.28	0.65	0.47	0.84	0.84	0.00	0.51	0.51	0.46	0.69	0.60	0.47	0.65	0.25	0.23	0.35	0.22	0.09	0.53	0.66	0.28	0.17
7	8	21	0.49	0.12	0.59	0.40	0.85	0.84	0.00	0.49	0.53	0.48	0.76	0.55	0.49	0.60	0.32	0.30	0.34	0.08	0.14	0.49	0.79	0.12	0.03
7	8	22	0.43	0.11	0.51	0.34	0.84	0.81	0.00	0.43	0.48	0.42	0.73	0.56	0.44	0.61	0.32	0.30	0.38	0.02	0.12	0.48	0.80	0.11	0.03
7	8	23	0.29	0.16	0.43	0.35	0.82	0.79	0.00	0.31	0.35	0.29	0.72	0.57	0.30	0.61	0.33	0.30	0.61	0.02	0.16	0.47	0.83	0.16	0.06
7	8	24	0.14	0.37	0.37	0.39	0.80	0.71	0.00	0.25	0.19	0.13	0.67	0.55	0.15	0.60	0.26	0.24	0.67	0.02	0.18	0.38	0.79	0.37	0.25
7	9	1	0.08	0.39	0.29	0.36	0.79	0.62	0.00	0.19	0.13	0.07	0.60	0.53	0.09	0.58	0.16	0.14	0.63	0.05	0.25	0.33	0.82	0.39	0.29
7	9	2	0.06	0.41	0.24	0.31	0.73	0.65	0.00	0.16	0.12	0.05	0.53	0.51	0.07	0.56	0.11	0.09	0.56	0.04	0.16	0.31	0.85	0.41	0.31
7	9	3	0.04	0.51	0.26	0.28	0.67	0.76	0.00	0.15	0.10	0.03	0.46	0.51	0.05	0.57	0.08	0.06	0.50	0.10	0.22	0.30	0.77	0.51	0.41
7	9	4	0.03	0.54	0.33	0.22	0.59	0.40	0.00	0.12	0.09	0.02	0.37	0.49	0.04	0.54	0.05	0.04	0.41	0.06	0.25	0.22	0.57	0.55	0.44
7	9	5	0.01	0.31	0.30	0.19	0.52	0.29	0.00	0.09	0.07	0.00	0.29	0.45	0.02	0.51	0.03	0.02	0.34	0.08	0.18	0.16	0.53	0.31	0.21
7	9	6	0.00	0.30	0.19	0.16	0.44	0.10	0.00	0.07	0.05	0.00	0.26	0.40	0.01	0.46	0.03	0.01	0.25	0.17	0.04	0.13	0.47	0.31	0.19
7	9	7	0.00	0.11	0.10	0.06	0.29	0.05	0.00	0.02	0.03	0.00	0.21	0.36	0.00	0.42	0.02	0.01	0.13	0.16	0.01	0.11	0.21	0.11	0.02
7	9	8	0.00	0.04	0.08	0.03	0.10	0.01	0.00	0.00	0.04	0.00	0.21	0.29	0.00	0.36	0.02	0.01	0.11	0.17	0.01	0.12	0.15	0.04	0.00
7	9	9	0.00	0.06	0.07	0.03	0.01	0.00	0.00	0.01	0.05	0.00	0.24	0.25	0.01	0.32	0.03	0.01	0.10	0.19	0.01	0.18	0.11	0.06	0.00
7	9	10	0.00	0.07	0.06	0.03	0.00	0.00	0.01	0.02	0.05	0.00	0.31	0.18	0.00	0.25	0.03	0.02	0.09	0.16	0.02	0.23	0.09	0.07	0.00
7	9	11	0.00	0.09	0.05	0.04	0.00	0.00	0.03	0.07	0.04	0.00	0.30	0.08	0.00	0.15	0.03	0.02	0.09	0.14	0.08	0.27	0.08	0.09	0.02
7	9	12	0.01	0.22	0.09	0.06	0.01	0.00	0.04	0.12	0.06	0.00	0.30	0.04	0.02	0.11	0.05	0.03	0.11	0.11	0.25	0.34	0.05	0.22	0.14
7	9	13	0.06	0.87	0.12	0.08	0.07	0.00	0.05	0.16	0.11	0.05	0.35	0.07	0.07	0.14	0.06	0.04	0.13	0.11	0.34	0.35	0.04	0.87	0.79
7	9	14	0.10	0.56	0.12	0.21	0.20	0.01	0.03	0.22	0.15	0.09	0.41	0.12	0.11	0.19	0.07	0.05	0.15	0.12	0.51	0.34	0.04	0.56	0.48
7	9	15	0.13	0.35	0.13	0.27	0.31	0.03	0.03	0.27	0.18	0.12	0.45	0.25	0.14	0.32	0.09	0.07	0.20	0.15	0.42	0.36	0.06	0.35	0.24
7	9	16	0.16	0.24	0.13	0.44	0.38	0.25	0.02	0.32	0.22	0.15	0.49	0.46	0.17	0.53	0.14	0.12	0.28	0.18	0.67	0.36	0.06	0.24	0.14
7	9	17	0.23	0.21	0.14	0.39	0.46	0.46	0.01	0.38	0.29	0.22	0.52	0.52	0.24	0.57	0.23	0.21	0.33	0.22	0.51	0.35	0.06	0.21	0.11
7	9	18	0.28	0.32	0.16	0.40	0.55	0.47	0.00	0.36	0.33	0.27	0.53	0.51	0.28	0.56	0.37	0.35	0.34	0.22	0.39	0.36	0.07	0.32	0.21
7	9	19	0.48	0.51	0.23	0.48	0.70	0.70	0.00	0.32	0.52	0.47	0.57	0.53	0.49	0.58	0.47	0.45	0.39	0.37	0.32	0.42	0.13	0.51	0.40
7	9	20	0.64	0.45	0.28	0.48	0.82	0.91	0.00	0.29	0.67	0.63	0.61	0.52	0.64	0.57	0.40	0.38	0.42	0.48	0.29	0.50	0.29	0.46	0.34
7	9	21	0.64	0.17	0.28	0.54	0.85	0.86	0.00	0.29	0.67	0.64	0.54	0.51	0.65	0.56	0.37	0.35	0.47	0.40	0.36	0.53	0.67	0.16	0.08
7	9	22	0.49	0.19	0.28	0.39	0.84	0.81	0.00	0.24	0.53	0.48	0.45	0.48	0.49	0.54	0.30	0.28	0.54	0.37	0.59	0.51	0.77	0.19	0.08
7	9	23	0.26	0.14	0.26	0.34	0.82	0.86	0.00	0.21	0.31	0.25	0.42	0.49	0.27	0.55	0.29	0.27	0.57	0.41	0.58	0.43	0.71	0.14	0.04
7	9	24	0.17	0.08	0.22	0.30	0.75	0.74	0.00	0.19	0.23	0.16	0.41	0.50	0.18	0.55	0.20	0.18	0.47	0.39	0.44	0.39	0.66	0.08	0.01
7	10	1	0.16	0.16	0.17	0.22	0.71	0.72	0.00	0.15	0.21	0.15	0.41	0.51	0.17	0.57	0.21	0.19	0.46	0.55	0.37	0.36	0.59	0.16	0.06
7	10	2	0.12	0.18	0.11	0.14	0.69	0.71	0.00	0.11	0.18	0.11	0.42	0.49	0.13	0.54	0.21	0.19	0.38	0.48	0.44	0.23	0.63	0.18	0.07
7	10	3	0.08	0.15	0.10	0.12	0.65	0.64	0.00	0.13	0.14	0.07	0.41	0.47	0.09	0.52	0.18	0.16	0.32	0.41	0.37	0.18	0.55	0.15	0.05
7	10	4	0.08	0.11	0.11	0.08	0.68	0.69	0.00	0.12	0.14	0.07	0.37	0.50	0.09	0.55	0.18	0.16	0.30	0.13	0.26	0.22	0.60	0.11	0.02
7	10	5	0.03	0.13	0.11	0.04	0.65	0.60	0.00	0.10	0.09	0.03	0.37	0.50	0.04	0.55	0.17	0.15	0.23	0.07	0.17	0.19	0.53	0.13	0.04
7	10	6	0.02	0.09	0.09	0.03	0.56	0.37	0.00	0.09	0.07	0.01	0.33	0.45	0.03	0.51	0.16	0.14	0.19	0.14	0.11	0.19	0.41	0.09	0.01
7	10	7	0.00	0.07	0.04	0.02	0.51	0.15	0.00	0.07	0.04	0.00	0.25	0.32	0.00	0.39	0.16	0.14	0.05	0.10	0.10	0.10	0.17	0.07	0.00
7	10	8	0.00	0.14	0.06	0.01	0.44	0.09	0.00	0.07	0.01	0.00	0.22	0.24	0.00	0.31	0.14	0.12	0.06	0.07	0.10	0.13	0.15	0.14	0.04
7	10	9	0.00	0.10	0.08	0.01	0.37	0.03	0.00	0.05	0.00	0.00	0.17	0.09	0.00	0.16	0.13	0.11	0.09	0.06	0.08	0.14	0.11	0.10	0.02
7	10	10	0.00	0.05	0.09	0.01	0.44	0.09	0.00	0.05	0.00	0.00	0.18	0.01	0.00	0.06	0.13	0.11	0.10	0.03	0.07	0.21	0.04	0.05	0.00
7	10	11	0.00	0.06	0.08	0.02	0.46	0.10	0.00	0.08	0.02	0.00	0.19	0.02	0.00	0.08	0.14	0.12	0.12	0.01	0.06	0.31	0.01	0.06	0.00
7	10	12	0.00	0.12	0.08	0.03	0.48	0.09	0.02	0.15	0.03	0.00	0.19	0.06	0.00	0.13	0.21	0.19	0.11	0.00	0.07	0.34	0.01	0.12	0.03
7	10	13	0.06	0.28	0.10	0.04	0.60	0.09	0.01	0.33	0.11	0.05	0.31	0.13	0.07	0.21	0.19	0.17	0.09	0.01	0.08	0.35	0.05	0.28	0.17
7	10	14	0.22	0.31	0.12	0.06	0.61	0.09	0.04	0.31	0.28	0.21	0.48	0.04	0.23	0.11	0.20	0.18	0.09	0.10	0.08	0.38	0.47	0.31	0.20
7	10	15	0.22	0.24	0.10	0.18	0.52	0.25	0.04	0.32	0.27	0.21	0.42	0.10	0.23	0.17	0.20	0.18	0.14	0.39	0.10	0.45	0.87	0.24	0.15
7	10	16	0.30	0.47	0.06	0.34	0.55	0.18	0.01	0.28	0.35	0.29	0.39	0.31	0.31	0.38	0.28	0.26	0.18	0.42	0.16	0.49	0.68	0.47	0.37
7	10	17	0.53	0.55	0.09	0.45	0.79	0.31	0.00	0.39	0.58	0.53	0.25	0.46	0.54	0.52	0.34	0.32	0.25	0.31	0.23	0.48	0.59	0.55	0.44
7	10	18	0.55	0.26	0.14	0.47	0.87	0.41	0.00	0.54	0.59	0.54	0.39	0.51	0.55	0.56	0.41	0.39	0.26	0.43	0.28	0.23	0.56	0.26	0.17
7	10	19	0.42	0.32	0.14	0.52	0.84	0.69	0.00	0.47	0.45	0.41	0.45	0.52	0.42	0.57	0.43	0.41	0.31	0.33	0.35	0.29	0.66	0.32	0.23
7	10	20	0.63	0.73	0.23	0.62	0.90	0.86	0.00	0.47	0.67	0.63	0.47	0.54	0.64	0.59	0.35	0.33	0.38	0.47	0.39	0.24	0.50	0.73	0.64
7	10	21	0.56	0.50	0.21	0.50	0.91	0.77	0.00	0.33	0.60	0.56	0.46	0.54	0.57	0.59	0.22	0.20	0.33	0.58	0.40	0.42	0.38	0.49	0.40
7	10	22	0.43	0.30	0.17	0.54	0.89	0.63	0.00	0.19	0.47	0.42	0.46	0.47	0.43	0.52	0.22	0.20	0.35	0.50	0.41	0.39	0.37	0.30	0.19
7	10	23	0.46	0.18	0.10	0.61	0.91	0.81	0.00	0.15	0.51	0.45	0.42	0.45	0.47	0.50	0.14	0.12	0.38	0.67	0.50	0.23	0.24	0.18	0.08
7	10	24	0.36	0.21	0.10	0.45	0.92	0.85	0.00	0.17	0.41	0.36	0.39	0.43	0.37	0.49	0.11	0.09	0.43	0.63	0.34	0.29	0.31	0.21	0.10
7	11	1	0.54	0.19	0.16	0.33	0.92	0.37	0.00	0.15	0.58	0.54	0.35	0.45	0.55	0.51	0.10	0.08	0.28	0.80	0.13	0.16	0.02	0.19	0.09
7	11	2	0.63	0.14	0.11	0.41	0.85	0.23	0.00	0.14	0.67	0.63	0.27	0.47	0.64	0.52	0.10	0.08	0.22	0.88	0.12	0.12	0.05	0.14	0.04
7	11	3	0.54	0.11	0.07	0.34	0.70	0.59	0.00	0.12	0.58	0.53	0.23	0.49	0.54	0.54	0.14	0.12	0.17	0.96	0.17	0.24	0.02	0.11	0.02
7	11	4	0.28	0.10	0.04	0.40	0.55	0.49	0.00	0.14	0.32	0.27	0.22	0.50	0.29	0.55	0.22	0.19	0.26	0.97	0.13	0.33	0.01	0.10	0.01
7	11	5	0.28	0.06	0.00	0.49	0.41	0.51	0.00	0.09	0.34	0.27	0.24	0.57	0.29	0.63	0.18	0.15	0.43	0.75	0.07	0.45	0.00	0.06	0.00
7	11	6	0.13	0.04	0.00	0.44	0.42	0.65	0.00	0.03	0.18	0.12	0.18	0.48	0.14	0.54	0.12	0.10	0.40	0.65	0.04	0.30	0.00	0.04	0.00

			Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	BTM_Distrit	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sola	New_Mexico_S	Geothermal	Biomass	Small Hydro
7	5	16	0.53	0.71	0.67	0.69	0.72	0.76	0.73	0.73	0.85	0.87	0.76	0.83	0.79	0.81	0.79	0.79	0.72	0.64	0.75	0.56	1.00	1.00	1.00
7	5	17	0.34	0.57	0.52	0.56	0.61	0.68	0.66	0.64	0.66	0.77	0.73	0.72	0.69	0.68	0.67	0.69	0.55	0.53	0.56	0.45	1.00	1.00	1.00
7	5	18	0.13	0.37	0.35	0.36	0.44	0.50	0.49	0.45	0.49	0.54	0.55	0.52	0.47	0.45	0.45	0.46	0.43	0.43	0.32	0.15	1.00	1.00	1.00
7	5	19	0.01	0.12	0.09	0.12	0.25	0.21	0.19	0.12	0.03	0.12	0.31	0.22	0.19	0.17	0.16	0.19	0.21	0.15	0.07	0.00	1.00	1.00	1.00
7	5	20	0.00	0.00	0.00	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
7	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	5	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.12	0.06	0.04	0.11	1.00	1.00	1.00
7	6	6	0.01	0.12	0.34	0.12	0.16	0.10	0.14	0.16	0.05	0.22	0.20	0.24	0.24	0.24	0.22	0.24	0.43	0.37	0.34	0.43	1.00	1.00	1.00
7	6	7	0.03	0.32	0.52	0.31	0.38	0.47	0.46	0.44	0.20	0.52	0.40	0.55	0.56	0.58	0.52	0.56	0.61	0.55	0.58	0.54	1.00	1.00	1.00
7	6	8	0.22	0.53	0.68	0.52	0.60	0.70	0.66	0.69	0.49	0.63	0.67	0.76	0.77	0.78	0.75	0.76	0.69	0.70	0.73	0.72	1.00	1.00	1.00
7	6	9	0.42	0.67	0.77	0.66	0.54	0.82	0.76	0.80	0.77	0.73	0.84	0.86	0.86	0.88	0.84	0.86	0.76	0.75	0.84	0.69	1.00	1.00	1.00
7	6	10	0.59	0.77	0.82	0.76	0.54	0.87	0.81	0.81	0.93	0.91	0.92	0.90	0.91	0.92	0.90	0.90	0.80	0.80	0.86	0.71	1.00	1.00	1.00
7	6	11	0.69	0.83	0.82	0.81	0.76	0.88	0.83	0.79	0.94	0.90	0.92	0.91	0.93	0.92	0.92	0.92	0.70	0.73	0.88	0.80	1.00	1.00	1.00
7	6	12	0.73	0.83	0.80	0.81	0.73	0.86	0.82	0.80	0.93	0.84	0.89	0.91	0.90	0.90	0.91	0.89	0.69	0.65	0.86	0.72	1.00	1.00	1.00
7	6	13	0.74	0.82	0.68	0.80	0.66	0.82	0.79	0.78	0.92	0.90	0.85	0.89	0.88	0.88	0.89	0.87	0.43	0.57	0.81	0.68	1.00	1.00	1.00
7	6	14	0.71	0.81	0.61	0.79	0.58	0.82	0.79	0.82	0.93	0.91	0.88	0.90	0.87	0.88	0.89	0.87	0.36	0.55	0.82	0.56	1.00	1.00	1.00
7	6	15	0.64	0.77	0.57	0.75	0.55	0.82	0.79	0.84	0.92	0.79	0.83	0.88	0.87	0.87	0.87	0.86	0.46	0.54	0.72	0.56	1.00	1.00	1.00
7	6	16	0.52	0.70	0.58	0.68	0.45	0.79	0.76	0.77	0.88	0.88	0.72	0.84	0.82	0.82	0.82	0.82	0.43	0.57	0.57	0.72	1.00	1.00	1.00
7	6	17	0.34	0.57	0.41	0.56	0.38	0.71	0.68	0.71	0.77	0.75	0.61	0.74	0.71	0.70	0.69	0.71	0.40	0.53	0.37	0.55	1.00	1.00	1.00
7	6	18	0.13	0.37	0.23	0.37	0.31	0.55	0.53	0.52	0.57	0.56	0.50	0.52	0.52	0.44	0.46	0.51	0.26	0.37	0.21	0.19	1.00	1.00	1.00
7	6	19	0.01	0.13	0.07	0.13	0.22	0.29	0.22	0.08	0.09	0.26	0.27	0.21	0.22	0.16	0.17	0.22	0.12	0.16	0.05	0.00	1.00	1.00	1.00
7	6	20	0.00	0.00	0.01	0.00	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	5	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.01	0.08	0.05	0.03	0.13	1.00	1.00	1.00
7	7	6	0.01	0.15	0.31	0.15	0.20	0.13	0.16	0.23	0.06	0.27	0.32	0.36	0.29	0.26	0.24	0.29	0.36	0.38	0.28	0.52	1.00	1.00	1.00
7	7	7	0.03	0.35	0.55	0.34	0.49	0.40	0.48	0.54	0.19	0.61	0.62	0.63	0.59	0.56	0.56	0.59	0.62	0.62	0.52	0.80	1.00	1.00	1.00
7	7	8	0.23	0.55	0.73	0.54	0.75	0.62	0.69	0.74	0.37	0.80	0.80	0.80	0.76	0.75	0.76	0.75	0.74	0.76	0.77	0.95	1.00	1.00	1.00
7	7	9	0.44	0.70	0.84	0.68	0.86	0.78	0.80	0.84	0.50	0.91	0.89	0.87	0.86	0.87	0.87	0.85	0.81	0.83	0.86	0.99	1.00	1.00	1.00
7	7	10	0.61	0.80	0.87	0.79	0.91	0.89	0.86	0.88	0.72	0.94	0.93	0.91	0.91	0.91	0.91	0.91	0.80	0.82	0.90	0.91	1.00	1.00	1.00
7	7	11	0.72	0.86	0.84	0.84	0.92	0.91	0.87	0.89	0.95	0.96	0.93	0.92	0.92	0.92	0.91	0.91	0.78	0.75	0.90	0.82	1.00	1.00	1.00
7	7	12	0.77	0.87	0.83	0.85	0.91	0.90	0.86	0.88	0.96	0.93	0.93	0.89	0.91	0.90	0.88	0.90	0.68	0.75	0.85	0.85	1.00	1.00	1.00
7	7	13	0.79	0.87	0.76	0.85	0.91	0.86	0.83	0.86	0.95	0.95	0.92	0.89	0.88	0.87	0.89	0.87	0.45	0.76	0.82	0.76	1.00	1.00	1.00
7	7	14	0.76	0.86	0.72	0.84	0.91	0.85	0.83	0.87	0.95	0.95	0.92	0.90	0.88	0.89	0.89	0.87	0.54	0.70	0.82	0.60	1.00	1.00	1.00
7	7	15	0.69	0.83	0.70	0.81	0.90	0.85	0.83	0.87	0.94	0.95	0.91	0.89	0.87	0.87	0.87	0.87	0.53	0.70	0.82	0.52	1.00	1.00	1.00
7	7	16	0.56	0.76	0.65	0.74	0.87	0.82	0.79	0.84	0.90	0.90	0.87	0.85	0.81	0.82	0.82	0.81	0.55	0.71	0.72	0.44	1.00	1.00	1.00
7	7	17	0.37	0.62	0.54	0.61	0.81	0.74	0.72	0.75	0.75	0.80	0.77	0.75	0.65	0.69	0.68	0.64	0.61	0.64	0.56	0.35	1.00	1.00	1.00
7	7	18	0.14	0.40	0.34	0.39	0.61	0.57	0.56	0.56	0.53	0.57	0.55	0.49	0.44	0.47	0.45	0.43	0.37	0.45	0.37	0.09	1.00	1.00	1.00
7	7	19	0.01	0.13	0.14	0.13	0.31	0.29	0.25	0.11	0.07	0.19	0.30	0.20	0.17	0.17	0.16	0.17	0.16	0.20	0.08	0.00	1.00	1.00	1.00
7	7	20	0.00	0.01	0.01	0.01	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
7	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	5	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.08	0.04	0.02	0.12	1.00	1.00	1.00
7	8	6	0.01	0.14	0.30	0.14	0.24	0.08	0.13	0.17	0.05	0.26	0.34	0.38	0.28	0.24	0.23	0.27	0.38	0.34	0.24	0.47	1.00	1.00	1.00
7	8	7	0.03	0.36	0.55	0.35	0.57	0.46	0.47	0.52	0.27	0.59	0.64	0.63	0.58	0.55	0.56	0.58	0.61	0.60	0.53	0.69	1.00	1.00	1.00
7	8	8	0.23	0.56	0.75	0.55	0.78	0.69	0.70	0.73	0.42	0.82	0.82	0.79	0.76	0.74	0.78	0.76	0.73	0.76	0.75	0.87	1.00	1.00	1.00
7	8	9	0.45	0.71	0.86	0.70	0.89	0.83	0.80	0.84	0.58	0.94	0.92	0.88	0.86	0.86	0.89	0.86	0.80	0.83	0.85	0.96	1.00	1.00	1.00
7	8	10	0.61	0.81	0.92	0.79	0.93	0.88	0.87	0.89	0.69	0.99	0.96	0.92	0.90	0.89	0.94	0.90	0.82	0.86	0.89	1.00	1.00	1.00	1.00
7	8	11	0.72	0.86	0.92	0.85	0.95	0.89	0.88	0.91	0.87	1.00	0.97	0.93	0.92	0.90	0.93	0.91	0.78	0.85	0.90	0.98	1.00	1.00	1.00
7	8	12	0.78	0.89	0.86	0.87	0.94	0.88	0.86	0.90	0.98	0.99	0.95	0.91	0.90	0.91	0.92	0.89	0.69	0.78	0.88	0.85	1.00	1.00	1.00
7	8	13	0.80	0.88	0.84	0.86	0.92	0.85	0.83	0.87	0.96	0.97	0.93	0.90	0.89	0.90	0.90	0.89	0.74	0.77	0.84	0.77	1.00	1.00	1.00
7	8	14	0.76	0.86	0.81	0.84	0.88	0.83	0.82	0.87	0.97	0.96	0.93	0.90	0.89	0.89	0.91	0.89	0.71	0.82	0.84	0.59	1.00	1.00	1.00
7	8	15	0.69	0.83	0.76	0.81	0.89	0.84	0.81	0.87	0.95	0.95	0.92	0.89	0.87	0.87	0.89	0.87	0.74	0.78	0.78	0.51	1.00	1.00	1.00
7	8	16	0.56	0.75	0.67	0.74	0.82	0.79	0.78	0.83	0.91	0.91	0.88	0.85	0.83	0.79	0.82	0.82	0.60	0.74	0.67	0.48	1.00	1.00	1.00
7	8	17	0.37	0.61	0.54	0.60	0.72	0.71	0.69	0.74	0.79	0.80	0.77	0.74	0.72	0.65	0.67	0.72	0.57	0.70	0.51	0.27	1.00	1.00	1.00
7	8	18	0.14	0.39	0.35	0.39	0.56	0.53	0.49	0.56	0.51	0.60	0.58	0.50	0.52	0.43	0.44	0.52	0.37	0.55	0.30	0.11	1.00	1.00	1.00
7	8	19	0.01	0.14	0.13	0.14	0.28	0.25	0.19	0.12	0.11	0.27	0.31	0.20	0.22	0.15	0.15	0.22	0.18	0.21	0.06	0.00	1.00	1.00	1.00
7	8	20	0.00	0.00	0.01	0.00	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	5	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.11	0.06	0.03	0.13	1.00	1.00	1.00
7	9	6	0.01	0.12	0.34	0.12	0.14	0.05	0.10	0.21	0.06	0.21	0.29	0.25	0.24	0.26	0.15	0.24	0.43	0.38	0.29	0.49	1.00	1.00	1.00
7	9	7	0.04	0.34	0.59	0.33	0.48	0.39	0.45	0.53	0.24	0.58	0.61	0.59	0.56	0.58	0.48	0.56	0.65	0.63	0.59	0.76	1.00	1.00	1.00
7	9	8	0.23	0.55	0.76	0.54	0.73	0.67	0.67	0.73	0.40	0.83	0.81	0.80	0.77	0.79	0.70	0.76	0.77	0.76	0.77	0.90	1.00	1.00	1.00
7	9	9	0.45	0.72	0.87	0.70	0.86	0.81	0.79	0.85	0.57	0.96	0.91	0.88	0.88	0.89	0.89	0.87	0.82	0.84	0.85	0.98	1.00	1.00	1.00
7	9	10	0.62	0.81	0.92	0.80	0.91	0.87	0.85	0.91	0.63	1.00	0.98	0.93	0.93	0.95	0.96	0.92	0.85	0.87	0.90	1.00	1.00	1.00	1.00
7	9	11	0.72	0.86	0.91	0.85	0.93	0.88	0.87	0.91	0.72	1.00	1.00	0.94	0.95	0.91	0.97	0.94	0.84	0.86	0.88	0.90	1.00	1.00	1.00
7	9	12	0.77	0.87	0.91	0.85	0.93	0.86	0.85	0.90	0.71	1.00	0.99	0.93	0.94	0.89	0.95	0.93	0.80	0.85	0.87	0.92	1.00	1.00	1.00
7	9	13	0.78	0.86	0.80	0.84	0.87	0.83	0.82	0.88	0.77	1.00	0.97	0.92	0.91	0.88	0.83	0.91	0.79	0.83	0.85	0.57	1.00	1.00	1.00
7	9	14	0.74	0.83	0.80	0.82	0.82	0.82	0.82	0.89	0.78	1.00	0.96	0.92	0.91	0.77	0.84	0.90	0.79	0.85	0.83	0.63	1.00	1.00	1.00
7	9	15	0.66	0.80	0.73	0.78	0.73	0.82	0.82	0.88	0.93	0.98	0.93	0.90	0.87	0.70	0.82	0.86	0.73	0.83	0.72	0.35	1.00	1.00	1.00
7	9	16	0.52	0.70	0.67	0.69	0.64	0.79	0.79	0.84	0.87	0.93	0.77	0.85	0.82	0.61	0.67	0.81	0.70	0.79	0.59	0.36	1.00	1.00	1.00
7	9	17	0.34	0.56	0.54	0.55	0.64	0.71	0.70	0.74	0.75	0.79	0.65	0.70	0.65	0.51	0.55	0.65	0.65	0.68	0.40	0.27	1.00	1.00	1.00
7	9	18	0.12	0.34	0.37	0.34	0.46	0.54	0.53	0.55	0.51	0.47	0.44	0.33	0.42	0.42	0.32	0.41	0.47	0.53	0.23	0.09	1.00	1.00	1.00
7	9	19	0.01	0.11	0.15	0.10	0.22	0.27	0.20	0.13	0.04	0.13	0.23	0.11	0.16	0.14	0.09	0.16	0.24	0.19	0.04	0.00	1.00	1.00	1.00
7	9	20	0.00	0.00	0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	9	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	5	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.01	0.10	1.00	1.00	1.00
7	10	6	0.00	0.03	0.25	0.03	0.19	0.06	0.09	0.03	0.02	0.04	0.02	0.00	0.00	0.01	0.08	0.00	0.25	0.23	0.14	0.45	1.00	1.00	1.00
7	10	7	0.03	0.15	0.49	0.14	0.55	0.39	0.35	0.23	0.07	0.02	0.06	0.17	0.05	0.05	0.32	0.05	0.52	0.43	0.36	0.76	1.00	1.00	1.00
7	10	8	0.12	0.25	0.67	0.24	0.77	0.58	0.37	0.34	0.04	0.06	0.08	0.25	0.27	0.24	0.38	0.27	0.72	0.58	0.53	0.90	1.00	1.00	1.00
7	10	9	0.23	0.35	0.79	0.35	0.88	0.73	0.44	0.43	0.16	0.19	0.13	0.25	0.34	0.40	0.54	0.33	0.81	0.69	0.62	0.98	1.00	1.00	1.00
7	10	10	0.36	0.47	0.84	0.46	0.92	0.70	0.61	0.42	0.17	0.43	0.14	0.76	0.39	0.50	0.67	0.38	0.83	0.78	0.65	0.98	1.00	1.00	1.00
7	10	11	0.44	0.52	0.81	0.51	0.93	0.63	0.57	0.38	0.32	0.43	0.22	0.74	0.54	0.61	0.71	0.54	0.80	0.76	0.56	0.88	1.00	1.00	1.00
7	10	12	0.44	0.50	0.76	0.49	0.87	0.68	0.40	0.42	0.18	0.23	0.26	0.86	0.62	0.43	0.69	0.62	0.72	0.67	0.64	0.76	1.00	1.00	1.00
7	10	13	0.43	0.47	0.69	0.46	0.71	0.61	0.45	0.33	0.22	0.33	0.39	0.80	0.45	0.44	0.62	0.45	0.60	0.65	0.62	0.57	1.00	1.00	1.00
7	10	14	0.36	0.40	0.56	0.40	0.55	0.46	0.39	0.39	0.23	0.40	0.42	0.63	0.44	0.20	0.49	0.44	0.49	0.62	0.48	0.50	1.00	1.00	1.00
7	10	15	0.28	0.33	0.43	0.33	0.35	0.19	0.33	0.31	0.21	0.46	0.25	0.75	0.30	0.15	0.62	0.30	0.35	0.58	0.38	0.44	1.00	1.00	1.00
7	10	16	0.21	0.27	0.33	0.26	0.16	0.20	0.27	0.23	0.16	0.45	0.30	0.47	0.23	0.19	0.58	0.23	0.32	0.44	0.40	0.25	1.00	1.00	1.00
7	10	17	0.17	0.26	0.25	0.26	0.08	0.24	0.17	0.20	0.19	0.41	0.27	0.59	0.35	0.36	0.57	0.35	0.25	0.31	0.39	0.25	1.00	1.00	1.00
7	10	18	0.06	0.15	0.16	0.15	0.03	0.10	0.09	0.16	0.19	0.31	0.12	0.29	0.27	0.22	0.40	0.26	0.21	0.18	0.26	0.06	1.00	1.00	1.00
7	10	19	0.01	0.05	0.07	0.05	0.02	0.07	0.16	0.04	0.02	0.11	0.04	0.11	0.07	0.06	0.13	0.07	0.06	0.08	0.05	0.00	1.00	1.00	1.00
7	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	5	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.05	1.00	1.00	1.00
7	11	6	0.00	0.11	0.11	0.11	0.01	0.04	0.03	0.15	0.02	0.21	0.34	0.29	0.28	0.27	0.24	0.28	0.03	0.13	0.23	0.21	1.00	1.00	1.00

Based on 2007 Weather

Wind (CAISO_Wind … SW_Ext_Tx) · **Solar** (BTM_Distrib … New_Mexico_S) · Geothermal · Biomass · Small Hydro

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
7	11	7	0.02	0.04	0.00	0.35	0.41	0.43	0.00	0.00	0.07	0.01	0.10	0.40
7	11	8	0.07	0.04	0.00	0.23	0.34	0.31	0.00	0.01	0.13	0.06	0.11	0.35
7	11	9	0.02	0.08	0.00	0.17	0.24	0.16	0.00	0.05	0.08	0.01	0.17	0.30
7	11	10	0.03	0.13	0.00	0.18	0.14	0.08	0.00	0.09	0.08	0.02	0.21	0.30
7	11	11	0.10	0.17	0.00	0.22	0.12	0.04	0.00	0.15	0.16	0.09	0.26	0.31
7	11	12	0.06	0.21	0.00	0.11	0.14	0.02	0.00	0.20	0.12	0.05	0.38	0.38
7	11	13	0.06	0.23	0.00	0.15	0.28	0.02	0.00	0.23	0.12	0.06	0.46	0.44
7	11	14	0.14	0.30	0.00	0.20	0.42	0.03	0.00	0.28	0.19	0.13	0.54	0.47
7	11	15	0.43	0.43	0.01	0.30	0.52	0.14	0.00	0.34	0.48	0.42	0.63	0.50
7	11	16	0.50	0.37	0.02	0.39	0.60	0.35	0.00	0.44	0.53	0.49	0.66	0.52
7	11	17	0.82	0.41	0.03	0.33	0.66	0.40	0.02	0.53	0.85	0.82	0.70	0.57
7	11	18	0.67	0.38	0.02	0.36	0.69	0.40	0.05	0.62	0.70	0.66	0.73	0.66
7	11	19	0.57	0.29	0.01	0.40	0.78	0.70	0.08	0.69	0.60	0.56	0.80	0.78
7	11	20	0.80	0.28	0.14	0.49	0.86	0.91	0.10	0.70	0.83	0.80	0.76	0.80
7	11	21	0.57	0.31	0.29	0.45	0.87	0.83	0.12	0.62	0.60	0.56	0.70	0.78
7	11	22	0.39	0.31	0.25	0.38	0.85	0.75	0.12	0.49	0.43	0.38	0.61	0.75
7	11	23	0.45	0.26	0.51	0.34	0.82	0.81	0.09	0.42	0.50	0.44	0.57	0.74
7	11	24	0.38	0.20	0.57	0.28	0.81	0.62	0.06	0.38	0.43	0.37	0.53	0.73
7	12	1	0.30	0.12	0.60	0.24	0.79	0.53	0.04	0.37	0.36	0.29	0.49	0.76
7	12	2	0.25	0.14	0.63	0.20	0.73	0.54	0.04	0.37	0.30	0.24	0.45	0.74
7	12	3	0.22	0.17	0.61	0.17	0.69	0.65	0.02	0.38	0.28	0.21	0.47	0.75
7	12	4	0.20	0.22	0.57	0.13	0.64	0.64	0.05	0.33	0.26	0.19	0.46	0.71
7	12	5	0.14	0.29	0.54	0.12	0.64	0.55	0.07	0.26	0.20	0.13	0.43	0.67
7	12	6	0.09	0.27	0.42	0.08	0.61	0.40	0.08	0.23	0.14	0.08	0.27	0.61
7	12	7	0.05	0.28	0.33	0.02	0.45	0.15	0.09	0.10	0.10	0.04	0.17	0.53
7	12	8	0.02	0.27	0.13	0.01	0.37	0.12	0.07	0.02	0.08	0.01	0.14	0.45
7	12	9	0.00	0.24	0.01	0.01	0.28	0.14	0.05	0.00	0.05	0.00	0.15	0.32
7	12	10	0.00	0.15	0.00	0.02	0.15	0.14	0.05	0.00	0.04	0.00	0.16	0.16
7	12	11	0.00	0.14	0.00	0.04	0.04	0.11	0.05	0.00	0.03	0.00	0.19	0.05
7	12	12	0.00	0.12	0.00	0.09	0.00	0.10	0.07	0.01	0.04	0.00	0.25	0.02
7	12	13	0.00	0.22	0.00	0.13	0.00	0.09	0.10	0.06	0.05	0.00	0.32	0.05
7	12	14	0.02	0.27	0.00	0.16	0.03	0.07	0.13	0.18	0.07	0.01	0.39	0.12
7	12	15	0.10	0.11	0.00	0.18	0.09	0.09	0.17	0.35	0.16	0.09	0.48	0.25
7	12	16	0.22	0.11	0.00	0.20	0.24	0.15	0.23	0.54	0.28	0.21	0.54	0.37
7	12	17	0.29	0.17	0.02	0.24	0.43	0.28	0.27	0.68	0.34	0.28	0.59	0.48
7	12	18	0.36	0.23	0.22	0.32	0.58	0.47	0.32	0.75	0.41	0.35	0.62	0.48
7	12	19	0.44	0.15	0.46	0.43	0.67	0.74	0.43	0.79	0.49	0.43	0.60	0.47
7	12	20	0.47	0.11	0.50	0.56	0.75	0.97	0.47	0.77	0.51	0.46	0.59	0.58
7	12	21	0.51	0.23	0.56	0.50	0.77	0.94	0.50	0.74	0.55	0.50	0.58	0.73
7	12	22	0.47	0.09	0.54	0.44	0.80	0.88	0.55	0.73	0.52	0.47	0.49	0.73
7	12	23	0.40	0.07	0.52	0.38	0.82	0.90	0.57	0.72	0.45	0.39	0.37	0.56
7	12	24	0.40	0.07	0.50	0.36	0.85	0.87	0.57	0.68	0.45	0.40	0.32	0.52
7	13	1	0.36	0.16	0.50	0.37	0.86	0.73	0.56	0.63	0.41	0.36	0.24	0.51
7	13	2	0.33	0.13	0.49	0.31	0.86	0.75	0.55	0.59	0.38	0.32	0.21	0.51
7	13	3	0.25	0.10	0.47	0.20	0.85	0.81	0.56	0.53	0.30	0.24	0.18	0.44
7	13	4	0.19	0.07	0.48	0.12	0.83	0.83	0.54	0.45	0.25	0.19	0.15	0.32
7	13	5	0.14	0.07	0.48	0.09	0.78	0.78	0.52	0.35	0.20	0.13	0.09	0.10
7	13	6	0.05	0.08	0.48	0.06	0.68	0.61	0.49	0.25	0.11	0.04	0.06	0.00
7	13	7	0.00	0.07	0.41	0.01	0.49	0.20	0.46	0.11	0.02	0.00	0.00	0.00
7	13	8	0.00	0.08	0.21	0.01	0.39	0.12	0.42	0.01	0.00	0.00	0.00	0.00
7	13	9	0.00	0.08	0.24	0.00	0.29	0.13	0.40	0.00	0.00	0.00	0.00	0.00
7	13	10	0.00	0.09	0.21	0.01	0.12	0.15	0.42	0.00	0.00	0.00	0.00	0.00
7	13	11	0.00	0.09	0.17	0.02	0.02	0.14	0.41	0.00	0.00	0.00	0.00	0.00
7	13	12	0.00	0.08	0.17	0.02	0.00	0.13	0.42	0.00	0.02	0.00	0.01	0.00
7	13	13	0.00	0.08	0.17	0.04	0.00	0.12	0.48	0.00	0.03	0.00	0.04	0.00
7	13	14	0.00	0.08	0.23	0.07	0.00	0.13	0.53	0.02	0.04	0.00	0.04	0.00
7	13	15	0.01	0.10	0.40	0.09	0.00	0.15	0.58	0.08	0.06	0.01	0.08	0.01
7	13	16	0.12	0.20	0.49	0.10	0.05	0.17	0.60	0.19	0.18	0.11	0.17	0.05
7	13	17	0.22	0.35	0.54	0.13	0.19	0.19	0.61	0.36	0.28	0.21	0.35	0.07
7	13	18	0.29	0.19	0.58	0.18	0.40	0.27	0.63	0.47	0.34	0.28	0.48	0.13
7	13	19	0.48	0.43	0.72	0.25	0.65	0.43	0.64	0.55	0.52	0.47	0.55	0.40
7	13	20	0.65	0.17	0.79	0.34	0.82	0.86	0.66	0.62	0.68	0.64	0.59	0.51
7	13	21	0.73	0.06	0.73	0.32	0.86	0.83	0.67	0.60	0.76	0.73	0.57	0.49
7	13	22	0.54	0.12	0.71	0.26	0.87	0.83	0.67	0.51	0.57	0.53	0.53	0.42
7	13	23	0.40	0.09	0.68	0.25	0.87	0.74	0.66	0.45	0.45	0.39	0.50	0.37
7	13	24	0.33	0.05	0.66	0.26	0.86	0.64	0.66	0.41	0.38	0.32	0.44	0.27
7	14	1	0.28	0.04	0.52	0.25	0.82	0.63	0.65	0.36	0.34	0.28	0.38	0.13
7	14	2	0.22	0.06	0.44	0.26	0.76	0.76	0.58	0.29	0.28	0.21	0.27	0.17
7	14	3	0.14	0.04	0.44	0.19	0.70	0.83	0.56	0.25	0.20	0.13	0.23	0.17
7	14	4	0.08	0.06	0.36	0.12	0.64	0.69	0.51	0.20	0.13	0.07	0.19	0.07
7	14	5	0.03	0.07	0.32	0.08	0.58	0.52	0.48	0.17	0.08	0.02	0.11	0.02
7	14	6	0.00	0.06	0.29	0.05	0.56	0.48	0.45	0.08	0.06	0.00	0.07	0.03
7	14	7	0.00	0.03	0.20	0.01	0.55	0.15	0.40	0.01	0.02	0.00	0.02	0.00
7	14	8	0.00	0.03	0.09	0.01	0.49	0.06	0.35	0.00	0.02	0.00	0.01	0.00
7	14	9	0.00	0.01	0.05	0.01	0.41	0.06	0.33	0.00	0.02	0.00	0.03	0.00
7	14	10	0.00	0.02	0.02	0.01	0.32	0.11	0.30	0.00	0.00	0.00	0.04	0.00
7	14	11	0.00	0.02	0.04	0.04	0.27	0.10	0.27	0.00	0.00	0.00	0.04	0.00
7	14	12	0.00	0.05	0.00	0.08	0.23	0.10	0.28	0.00	0.01	0.00	0.04	0.01
7	14	13	0.00	0.15	0.01	0.11	0.25	0.11	0.27	0.04	0.02	0.00	0.03	0.02
7	14	14	0.00	0.08	0.17	0.15	0.30	0.14	0.31	0.11	0.02	0.00	0.04	0.04
7	14	15	0.02	0.12	0.19	0.19	0.40	0.18	0.35	0.19	0.07	0.01	0.10	0.07
7	14	16	0.09	0.08	0.27	0.22	0.54	0.23	0.41	0.27	0.15	0.08	0.29	0.15
7	14	17	0.17	0.11	0.43	0.24	0.69	0.29	0.45	0.34	0.23	0.16	0.51	0.41
7	14	18	0.24	0.10	0.61	0.26	0.81	0.36	0.48	0.43	0.29	0.23	0.54	0.50
7	14	19	0.40	0.09	0.75	0.35	0.88	0.65	0.56	0.50	0.45	0.39	0.54	0.54
7	14	20	0.45	0.08	0.57	0.50	0.91	0.92	0.64	0.58	0.49	0.44	0.59	0.59
7	14	21	0.47	0.06	0.59	0.41	0.90	0.87	0.66	0.56	0.51	0.46	0.64	0.58
7	14	22	0.43	0.13	0.64	0.35	0.89	0.82	0.65	0.53	0.48	0.42	0.59	0.51
7	14	23	0.40	0.26	0.65	0.38	0.88	0.70	0.64	0.51	0.44	0.39	0.55	0.47
7	14	24	0.37	0.27	0.75	0.39	0.87	0.60	0.63	0.52	0.42	0.36	0.52	0.46
7	15	1	0.36	0.25	0.83	0.41	0.86	0.83	0.60	0.51	0.41	0.35	0.45	0.46
7	15	2	0.32	0.21	0.79	0.30	0.84	0.87	0.54	0.42	0.37	0.31	0.42	0.51
7	15	3	0.28	0.13	0.70	0.20	0.84	0.82	0.45	0.36	0.33	0.27	0.37	0.50
7	15	4	0.25	0.12	0.74	0.16	0.84	0.55	0.40	0.33	0.31	0.24	0.28	0.47
7	15	5	0.19	0.13	0.76	0.13	0.83	0.57	0.32	0.25	0.25	0.18	0.20	0.54
7	15	6	0.14	0.13	0.67	0.08	0.80	0.50	0.29	0.20	0.20	0.13	0.16	0.52
7	15	7	0.05	0.11	0.54	0.02	0.73	0.21	0.24	0.08	0.10	0.04	0.12	0.40
7	15	8	0.02	0.09	0.47	0.01	0.62	0.08	0.16	0.01	0.07	0.01	0.09	0.32
7	15	9	0.00	0.06	0.45	0.01	0.51	0.10	0.14	0.00	0.03	0.00	0.09	0.15
7	15	10	0.00	0.05	0.40	0.03	0.39	0.15	0.13	0.00	0.04	0.00	0.08	0.04
7	15	11	0.00	0.06	0.34	0.06	0.36	0.18	0.12	0.00	0.04	0.00	0.07	0.00
7	15	12	0.00	0.15	0.34	0.11	0.34	0.25	0.12	0.03	0.05	0.00	0.11	0.00
7	15	13	0.03	0.17	0.39	0.17	0.42	0.28	0.15	0.11	0.08	0.02	0.18	0.02
7	15	14	0.23	0.22	0.56	0.23	0.56	0.26	0.17	0.21	0.29	0.22	0.31	0.04
7	15	15	0.44	0.11	0.74	0.28	0.68	0.28	0.20	0.31	0.49	0.44	0.41	0.11
7	15	16	0.55	0.08	0.76	0.32	0.80	0.32	0.27	0.43	0.59	0.55	0.50	0.29
7	15	17	0.57	0.15	0.78	0.35	0.87	0.41	0.36	0.54	0.60	0.56	0.56	0.45
7	15	18	0.78	0.14	0.74	0.36	0.89	0.55	0.50	0.65	0.81	0.78	0.57	0.46
7	15	19	0.72	0.21	0.67	0.38	0.89	0.84	0.63	0.71	0.75	0.72	0.56	0.43
7	15	20	0.71	0.18	0.55	0.47	0.89	0.96	0.72	0.69	0.74	0.70	0.61	0.49
7	15	21	0.53	0.19	0.46	0.43	0.89	0.88	0.70	0.62	0.57	0.53	0.69	0.54
7	15	22	0.42	0.35	0.48	0.36	0.88	0.84	0.64	0.60	0.47	0.41	0.64	0.47
7	15	23	0.36	0.27	0.43	0.34	0.87	0.88	0.62	0.59	0.41	0.35	0.45	0.51
7	15	24	0.36	0.14	0.44	0.38	0.86	0.82	0.61	0.57	0.41	0.35	0.36	0.56
7	16	1	0.32	0.08	0.38	0.41	0.85	0.41	0.55	0.53	0.38	0.32	0.33	0.58
7	16	2	0.29	0.04	0.32	0.39	0.83	0.64	0.49	0.47	0.34	0.28	0.31	0.62
7	16	3	0.27	0.05	0.37	0.32	0.83	0.81	0.43	0.42	0.32	0.26	0.24	0.60
7	16	4	0.28	0.06	0.39	0.21	0.83	0.75	0.37	0.37	0.34	0.27	0.23	0.60
7	16	5	0.21	0.08	0.35	0.21	0.82	0.65	0.32	0.30	0.26	0.20	0.24	0.59
7	16	6	0.13	0.09	0.27	0.16	0.81	0.46	0.32	0.19	0.19	0.12	0.20	0.55
7	16	7	0.06	0.08	0.15	0.06	0.79	0.16	0.30	0.11	0.12	0.05	0.14	0.49
7	16	8	0.04	0.12	0.07	0.03	0.78	0.08	0.27	0.06	0.10	0.03	0.12	0.42
7	16	9	0.02	0.08	0.01	0.05	0.72	0.07	0.27	0.03	0.08	0.01	0.14	0.31
7	16	10	0.01	0.04	0.00	0.07	0.67	0.10	0.27	0.01	0.06	0.00	0.18	0.19
7	16	11	0.03	0.02	0.00	0.12	0.64	0.11	0.29	0.01	0.08	0.02	0.19	0.13
7	16	12	0.07	0.05	0.00	0.20	0.64	0.12	0.31	0.07	0.13	0.06	0.26	0.12
7	16	13	0.10	0.07	0.00	0.28	0.69	0.13	0.35	0.17	0.16	0.10	0.39	0.11
7	16	14	0.18	0.09	0.00	0.32	0.76	0.17	0.40	0.31	0.24	0.17	0.47	0.17
7	16	15	0.49	0.10	0.00	0.39	0.83	0.28	0.47	0.45	0.54	0.49	0.56	0.36
7	16	16	0.52	0.12	0.01	0.47	0.88	0.45	0.54	0.59	0.56	0.52	0.62	0.47
7	16	17	0.71	0.14	0.07	0.52	0.92	0.62	0.61	0.66	0.74	0.71	0.62	0.47
7	16	18	0.78	0.19	0.25	0.55	0.94	0.76	0.68	0.71	0.80	0.78	0.58	0.47
7	16	19	0.77	0.36	0.56	0.55	0.93	0.90	0.74	0.75	0.79	0.77	0.64	0.54
7	16	20	0.56	0.49	0.63	0.64	0.91	0.97	0.77	0.76	0.60	0.56	0.75	0.63
7	16	21	0.47	0.65	0.61	0.57	0.89	0.96	0.77	0.71	0.51	0.46	0.74	0.70

Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
7	11	7	0.03	0.46	0.09	0.08	0.13	0.59	0.03	0.17	0.00	0.04	0.00	0.04	0.29	0.26	0.29	0.02	0.29	0.31	0.50
7	11	8	0.08	0.41	0.07	0.06	0.18	0.50	0.03	0.17	0.00	0.04	0.00	0.22	0.50	0.41	0.49	0.16	0.49	0.60	0.73
7	11	9	0.03	0.37	0.07	0.06	0.37	0.46	0.03	0.14	0.00	0.08	0.00	0.42	0.66	0.57	0.65	0.35	0.66	0.76	0.85
7	11	10	0.04	0.37	0.08	0.06	0.45	0.41	0.03	0.14	0.05	0.13	0.04	0.57	0.76	0.64	0.74	0.34	0.75	0.85	0.91
7	11	11	0.11	0.38	0.09	0.07	0.25	0.69	0.02	0.18	0.04	0.17	0.07	0.68	0.82	0.57	0.80	0.36	0.84	0.86	0.92
7	11	12	0.07	0.45	0.12	0.09	0.14	0.36	0.06	0.33	0.01	0.21	0.10	0.74	0.83	0.50	0.82	0.30	0.85	0.85	0.91
7	11	13	0.07	0.49	0.13	0.11	0.06	0.19	0.12	0.36	0.01	0.23	0.12	0.77	0.85	0.58	0.83	0.42	0.82	0.84	0.89
7	11	14	0.15	0.52	0.17	0.15	0.03	0.57	0.09	0.36	0.20	0.30	0.20	0.73	0.83	0.54	0.81	0.33	0.84	0.83	0.89
7	11	15	0.44	0.55	0.25	0.22	0.02	0.86	0.04	0.36	0.26	0.43	0.32	0.67	0.81	0.42	0.79	0.47	0.84	0.83	0.89
7	11	16	0.50	0.57	0.24	0.22	0.12	0.77	0.04	0.39	0.19	0.37	0.27	0.56	0.75	0.41	0.74	0.59	0.81	0.80	0.86
7	11	17	0.82	0.62	0.28	0.26	0.53	0.83	0.09	0.35	0.08	0.41	0.30	0.37	0.62	0.33	0.61	0.52	0.74	0.72	0.76
7	11	18	0.67	0.70	0.31	0.29	0.82	0.78	0.12	0.33	0.07	0.38	0.27	0.14	0.40	0.21	0.39	0.42	0.58	0.56	0.56
7	11	19	0.58	0.81	0.34	0.32	0.61	0.67	0.27	0.35	0.02	0.29	0.19	0.01	0.14	0.08	0.13	0.20	0.27	0.21	0.10
7	11	20	0.81	0.82	0.31	0.29	0.53	0.77	0.21	0.42	0.04	0.28	0.17	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00
7	11	21	0.57	0.81	0.18	0.16	0.76	0.67	0.22	0.37	0.01	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	11	22	0.40	0.78	0.16	0.14	0.85	0.53	0.31	0.32	0.03	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	11	23	0.46	0.77	0.11	0.09	0.88	0.34	0.29	0.31	0.01	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	11	24	0.39	0.76	0.12	0.10	0.89	0.15	0.27	0.31	0.00	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	1	0.31	0.79	0.28	0.26	0.81	0.08	0.15	0.25	0.00	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	2	0.25	0.77	0.30	0.28	0.63	0.04	0.03	0.16	0.00	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	3	0.23	0.78	0.28	0.26	0.44	0.03	0.03	0.10	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	4	0.21	0.74	0.22	0.20	0.58	0.01	0.05	0.11	0.00	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	5	0.15	0.70	0.09	0.07	0.69	0.01	0.08	0.07	0.00	0.29	0.17	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
7	12	6	0.10	0.65	0.06	0.05	0.36	0.01	0.03	0.06	0.00	0.27	0.16	0.00	0.16	0.35	0.16	0.22	0.11	0.14	0.16
7	12	7	0.06	0.58	0.07	0.05	0.15	0.00	0.01	0.03	0.00	0.28	0.17	0.03	0.38	0.57	0.37	0.57	0.46	0.48	0.50
7	12	8	0.03	0.51	0.05	0.03	0.27	0.01	0.01	0.01	0.00	0.27	0.16	0.24	0.58	0.72	0.57	0.77	0.63	0.70	0.72
7	12	9	0.01	0.39	0.01	0.00	0.15	0.01	0.02	0.02	0.00	0.24	0.13	0.47	0.74	0.80	0.73	0.90	0.81	0.82	0.84
7	12	10	0.00	0.23	0.02	0.01	0.17	0.02	0.03	0.03	0.00	0.15	0.06	0.64	0.84	0.83	0.83	0.96	0.89	0.88	0.91
7	12	11	0.00	0.11	0.04	0.02	0.19	0.03	0.08	0.08	0.00	0.14	0.04	0.74	0.89	0.84	0.87	0.96	0.91	0.89	0.93
7	12	12	0.00	0.09	0.06	0.04	0.26	0.04	0.30	0.13	0.01	0.12	0.03	0.80	0.90	0.82	0.88	0.96	0.89	0.88	0.92
7	12	13	0.01	0.12	0.08	0.06	0.19	0.05	0.17	0.18	0.01	0.22	0.11	0.80	0.89	0.82	0.87	0.93	0.86	0.85	0.89
7	12	14	0.03	0.19	0.15	0.13	0.12	0.04	0.23	0.20	0.01	0.27	0.15	0.77	0.88	0.79	0.86	0.92	0.85	0.85	0.89
7	12	15	0.11	0.33	0.12	0.10	0.04	0.03	0.14	0.22	0.02	0.11	0.02	0.70	0.84	0.77	0.83	0.90	0.86	0.85	0.88
7	12	16	0.23	0.44	0.12	0.10	0.07	0.02	0.11	0.25	0.03	0.11	0.02	0.57	0.77	0.69	0.75	0.86	0.82	0.81	0.83
7	12	17	0.30	0.54	0.18	0.16	0.12	0.01	0.05	0.28	0.02	0.17	0.06	0.38	0.62	0.58	0.61	0.68	0.74	0.73	0.72
7	12	18	0.37	0.53	0.19	0.16	0.15	0.00	0.04	0.36	0.01	0.23	0.12	0.15	0.41	0.38	0.40	0.50	0.60	0.56	0.55
7	12	19	0.45	0.52	0.30	0.28	0.18	0.00	0.07	0.42	0.01	0.15	0.05	0.01	0.15	0.15	0.15	0.27	0.34	0.27	0.09
7	12	20	0.47	0.63	0.33	0.31	0.25	0.04	0.11	0.49	0.13	0.11	0.03	0.00	0.00	0.01	0.00	0.03	0.03	0.01	0.00
7	12	21	0.52	0.76	0.29	0.27	0.27	0.05	0.14	0.46	0.51	0.23	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	22	0.48	0.77	0.29	0.27	0.17	0.12	0.14	0.39	0.86	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	23	0.41	0.61	0.31	0.29	0.16	0.20	0.09	0.35	0.76	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	12	24	0.41	0.57	0.28	0.26	0.29	0.11	0.06	0.30	0.62	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	1	0.37	0.56	0.25	0.23	0.24	0.08	0.03	0.26	0.57	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	2	0.34	0.56	0.23	0.21	0.17	0.05	0.01	0.20	0.62	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	3	0.26	0.49	0.20	0.18	0.08	0.05	0.01	0.17	0.59	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	4	0.20	0.39	0.21	0.18	0.04	0.10	0.01	0.13	0.49	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	5	0.15	0.16	0.20	0.18	0.01	0.12	0.01	0.07	0.52	0.07	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00
7	13	6	0.06	0.03	0.21	0.19	0.03	0.10	0.01	0.02	0.45	0.08	0.00	0.00	0.16	0.32	0.16	0.27	0.15	0.13	0.22
7	13	7	0.00	0.00	0.59	0.57	0.01	0.03	0.01	0.02	0.24	0.07	0.00	0.03	0.39	0.53	0.38	0.61	0.50	0.48	0.54
7	13	8	0.00	0.00	0.33	0.31	0.00	0.05	0.01	0.01	0.15	0.08	0.00	0.24	0.59	0.72	0.58	0.80	0.71	0.69	0.74
7	13	9	0.00	0.00	0.14	0.12	0.00	0.07	0.02	0.04	0.08	0.08	0.00	0.46	0.74	0.83	0.73	0.90	0.83	0.81	0.85
7	13	10	0.00	0.01	0.09	0.07	0.01	0.04	0.05	0.09	0.04	0.09	0.01	0.63	0.84	0.89	0.82	0.95	0.88	0.87	0.90
7	13	11	0.00	0.02	0.09	0.07	0.02	0.03	0.05	0.15	0.01	0.09	0.01	0.72	0.86	0.92	0.85	0.97	0.89	0.89	0.93
7	13	12	0.00	0.03	0.14	0.12	0.04	0.03	0.04	0.23	0.00	0.08	0.00	0.79	0.89	0.90	0.88	0.96	0.87	0.87	0.91
7	13	13	0.00	0.04	0.20	0.18	0.33	0.04	0.21	0.30	0.00	0.08	0.00	0.78	0.86	0.85	0.85	0.94	0.84	0.85	0.89
7	13	14	0.00	0.04	0.20	0.18	0.55	0.03	0.17	0.35	0.01	0.08	0.00	0.73	0.83	0.86	0.81	0.93	0.84	0.84	0.88
7	13	15	0.01	0.08	0.22	0.20	0.54	0.03	0.23	0.38	0.06	0.10	0.02	0.66	0.80	0.83	0.78	0.93	0.82	0.84	0.88
7	13	16	0.13	0.13	0.24	0.21	0.42	0.05	0.34	0.40	0.03	0.20	0.10	0.54	0.72	0.75	0.70	0.90	0.80	0.80	0.85
7	13	17	0.23	0.15	0.24	0.22	0.45	0.04	0.25	0.46	0.15	0.36	0.23	0.37	0.61	0.61	0.59	0.82	0.72	0.71	0.75
7	13	18	0.29	0.19	0.30	0.28	0.23	0.05	0.15	0.47	0.28	0.18	0.10	0.14	0.39	0.42	0.39	0.67	0.57	0.53	0.57
7	13	19	0.49	0.46	0.42	0.40	0.13	0.14	0.28	0.48	0.23	0.43	0.30	0.01	0.13	0.16	0.13	0.32	0.28	0.26	0.12
7	13	20	0.65	0.56	0.44	0.42	0.38	0.29	0.36	0.49	0.10	0.17	0.07	0.00	0.00	0.01	0.00	0.04	0.02	0.01	0.00
7	13	21	0.73	0.54	0.39	0.37	0.52	0.28	0.34	0.50	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	22	0.54	0.48	0.36	0.34	0.60	0.30	0.44	0.46	0.02	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	23	0.41	0.43	0.33	0.31	0.53	0.52	0.42	0.44	0.18	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	13	24	0.34	0.34	0.27	0.25	0.33	0.54	0.27	0.39	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	1	0.29	0.19	0.25	0.23	0.29	0.34	0.18	0.34	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	2	0.23	0.25	0.20	0.18	0.20	0.35	0.14	0.32	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	3	0.15	0.25	0.15	0.13	0.13	0.36	0.10	0.29	0.16	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	4	0.09	0.14	0.15	0.13	0.19	0.36	0.08	0.24	0.26	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	5	0.04	0.09	0.14	0.12	0.16	0.35	0.07	0.20	0.30	0.07	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
7	14	6	0.01	0.10	0.10	0.08	0.13	0.24	0.04	0.15	0.27	0.06	0.00	0.00	0.08	0.32	0.08	0.27	0.11	0.11	0.13
7	14	7	0.00	0.05	0.06	0.04	0.13	0.11	0.01	0.10	0.15	0.03	0.00	0.03	0.26	0.55	0.26	0.60	0.44	0.47	0.45
7	14	8	0.00	0.02	0.04	0.03	0.06	0.09	0.00	0.11	0.09	0.03	0.00	0.19	0.46	0.74	0.45	0.79	0.69	0.69	0.66
7	14	9	0.00	0.05	0.04	0.02	0.06	0.11	0.00	0.15	0.05	0.01	0.00	0.40	0.64	0.86	0.63	0.90	0.81	0.81	0.78
7	14	10	0.00	0.07	0.04	0.03	0.06	0.09	0.01	0.20	0.01	0.02	0.00	0.56	0.75	0.91	0.73	0.95	0.87	0.87	0.82
7	14	11	0.00	0.07	0.06	0.04	0.06	0.06	0.02	0.25	0.00	0.02	0.00	0.67	0.80	0.89	0.79	0.96	0.89	0.88	0.77
7	14	12	0.00	0.08	0.10	0.08	0.10	0.03	0.02	0.27	0.00	0.05	0.00	0.73	0.82	0.84	0.81	0.96	0.87	0.86	0.79
7	14	13	0.00	0.09	0.13	0.11	0.22	0.02	0.02	0.28	0.01	0.15	0.04	0.71	0.79	0.82	0.77	0.94	0.85	0.84	0.66
7	14	14	0.00	0.11	0.16	0.14	0.20	0.01	0.02	0.29	0.03	0.08	0.01	0.69	0.78	0.78	0.76	0.93	0.84	0.83	0.61
7	14	15	0.02	0.14	0.21	0.19	0.11	0.01	0.05	0.28	0.05	0.12	0.02	0.59	0.71	0.74	0.69	0.92	0.84	0.83	0.57
7	14	16	0.10	0.22	0.25	0.23	0.05	0.01	0.15	0.29	0.19	0.08	0.00	0.47	0.62	0.68	0.61	0.89	0.82	0.73	0.39
7	14	17	0.18	0.48	0.31	0.29	0.04	0.01	0.18	0.32	0.18	0.11	0.02	0.34	0.55	0.51	0.53	0.83	0.74	0.69	0.48
7	14	18	0.24	0.56	0.42	0.40	0.07	0.01	0.24	0.35	0.42	0.10	0.01	0.13	0.34	0.30	0.33	0.67	0.58	0.51	0.35
7	14	19	0.41	0.58	0.49	0.47	0.14	0.02	0.17	0.40	0.33	0.10	0.01	0.01	0.11	0.09	0.11	0.34	0.24	0.18	0.08
7	14	20	0.46	0.64	0.53	0.52	0.25	0.00	0.19	0.47	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.01	0.00
7	14	21	0.47	0.63	0.50	0.48	0.13	0.01	0.20	0.51	0.14	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	22	0.44	0.56	0.50	0.48	0.06	0.04	0.23	0.49	0.46	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	23	0.40	0.52	0.48	0.47	0.04	0.08	0.18	0.43	0.68	0.26	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	14	24	0.38	0.52	0.44	0.42	0.05	0.06	0.18	0.40	0.83	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	1	0.37	0.51	0.43	0.41	0.06	0.06	0.18	0.40	0.65	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	2	0.33	0.57	0.41	0.39	0.09	0.14	0.16	0.35	0.54	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	3	0.29	0.56	0.38	0.36	0.15	0.24	0.19	0.22	0.55	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	4	0.26	0.52	0.36	0.34	0.06	0.28	0.24	0.15	0.67	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	5	0.20	0.59	0.31	0.29	0.06	0.23	0.30	0.11	0.68	0.13	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
7	15	6	0.15	0.57	0.24	0.22	0.04	0.09	0.20	0.08	0.54	0.13	0.03	0.00	0.09	0.18	0.09	0.26	0.10	0.15	0.09
7	15	7	0.06	0.46	0.15	0.13	0.01	0.02	0.10	0.05	0.15	0.11	0.02	0.03	0.28	0.40	0.28	0.60	0.42	0.47	0.38
7	15	8	0.03	0.39	0.12	0.10	0.01	0.01	0.07	0.02	0.07	0.09	0.01	0.20	0.48	0.54	0.47	0.79	0.64	0.69	0.64
7	15	9	0.00	0.23	0.12	0.10	0.01	0.01	0.05	0.03	0.06	0.06	0.00	0.39	0.63	0.70	0.62	0.90	0.82	0.81	0.79
7	15	10	0.00	0.10	0.15	0.13	0.02	0.00	0.05	0.08	0.01	0.05	0.00	0.56	0.74	0.73	0.73	0.95	0.88	0.87	0.86
7	15	11	0.00	0.05	0.18	0.16	0.03	0.00	0.05	0.15	0.02	0.05	0.00	0.67	0.80	0.76	0.78	0.97	0.89	0.89	0.88
7	15	12	0.01	0.06	0.23	0.21	0.03	0.00	0.11	0.17	0.10	0.15	0.05	0.73	0.83	0.70	0.81	0.96	0.88	0.87	0.85
7	15	13	0.04	0.08	0.30	0.27	0.06	0.07	0.10	0.21	0.17	0.17	0.07	0.78	0.86	0.63	0.85	0.94	0.85	0.85	0.87
7	15	14	0.24	0.11	0.35	0.33	0.10	0.23	0.11	0.25	0.16	0.22	0.10	0.75	0.85	0.59	0.84	0.93	0.85	0.79	0.82
7	15	15	0.45	0.18	0.40	0.38	0.12	0.55	0.11	0.29	0.69	0.11	0.03	0.70	0.84	0.54	0.82	0.93	0.85	0.83	0.83
7	15	16	0.56	0.36	0.45	0.43	0.11	0.62	0.18	0.23	0.41	0.08	0.01	0.57	0.77	0.46	0.75	0.90	0.82	0.81	0.80
7	15	17	0.58	0.51	0.52	0.50	0.17	0.79	0.11	0.23	0.14	0.15	0.05	0.38	0.63	0.32	0.62	0.83	0.74	0.73	0.70
7	15	18	0.79	0.52	0.55	0.53	0.14	0.71	0.07	0.25	0.28	0.14	0.05	0.14	0.40	0.21	0.39	0.67	0.57	0.56	0.47
7	15	19	0.73	0.49	0.54	0.53	0.18	0.49	0.09	0.25	0.35	0.21	0.10	0.01	0.14	0.07	0.14	0.38	0.29	0.20	0.06
7	15	20	0.71	0.54	0.56	0.54	0.21	0.34	0.18	0.36	0.24	0.18	0.07	0.00	0.00	0.00	0.00	0.06	0.02	0.00	0.00
7	15	21	0.54	0.60	0.51	0.49	0.17	0.23	0.32	0.41	0.14	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	22	0.43	0.52	0.40	0.38	0.19	0.15	0.28	0.37	0.24	0.36	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	23	0.37	0.56	0.33	0.31	0.10	0.06	0.34	0.29	0.38	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	15	24	0.36	0.61	0.30	0.28	0.04	0.01	0.41	0.22	0.52	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	16	1	0.33	0.63	0.26	0.24	0.12	0.01	0.30	0.17	0.39	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	16	2	0.30	0.66	0.20	0.18	0.26	0.02	0.20	0.13	0.48	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	16	3	0.28	0.65	0.17	0.14	0.37	0.03	0.13	0.08	0.48	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	16	4	0.29	0.64	0.14	0.12	0.34	0.05	0.11	0.08	0.10	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	16	5	0.22	0.64	0.10	0.08	0.27	0.08	0.13	0.10	0.02	0.08	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
7	16	6	0.14	0.60	0.06	0.04	0.18	0.09	0.06	0.09	0.02	0.09	0.01	0.00	0.14	0.28	0.14	0.26	0.09	0.09	0.17
7	16	7	0.07	0.54	0.03	0.02	0.07	0.06	0.02	0.04	0.00	0.08	0.01	0.03	0.36	0.50	0.35	0.60	0.40	0.43	0.51
7	16	8	0.05	0.48	0.02	0.01	0.03	0.03	0.01	0.03	0.02	0.12	0.03	0.23	0.57	0.70	0.56	0.80	0.60	0.67	0.73
7	16	9	0.03	0.38	0.03	0.01	0.03	0.01	0.01	0.07	0.24	0.08	0.01	0.46	0.72	0.80	0.71	0.90	0.71	0.80	0.84
7	16	10	0.02	0.26	0.04	0.02	0.02	0.01	0.01	0.12	0.35	0.04	0.00	0.62	0.82	0.85	0.81	0.95	0.78	0.86	0.90
7	16	11	0.04	0.20	0.07	0.05	0.10	0.03	0.07	0.20	0.10	0.02	0.00	0.73	0.88	0.85	0.86	0.97	0.84	0.89	0.92
7	16	12	0.08	0.19	0.10	0.08	0.11	0.21	0.20	0.34	0.10	0.05	0.00	0.79	0.89	0.80	0.87	0.96	0.88	0.87	0.90
7	16	13	0.11	0.18	0.15	0.13	0.21	0.48	0.42	0.47	0.11	0.07	0.00	0.80	0.88	0.74	0.86	0.91	0.86	0.84	0.87
7	16	14	0.19	0.24	0.17	0.15	0.47	0.62	0.35	0.57	0.04	0.09	0.01	0.77	0.87	0.70	0.85	0.93	0.85	0.84	0.88
7	16	15	0.50	0.43	0.20	0.17	0.63	0.78	0.59	0.60	0.43	0.10	0.01	0.70	0.84	0.66	0.82	0.93	0.84	0.83	0.88
7	16	16	0.53	0.53	0.20	0.18	0.35	0.70	0.56	0.60	0.75	0.12	0.03	0.58	0.77	0.47	0.75	0.90	0.81	0.80	0.84
7	16	17	0.72	0.53	0.20	0.18	0.09	0.52	0.32	0.60	0.65	0.14	0.05	0.38	0.63	0.35	0.62	0.83	0.72	0.72	0.75
7	16	18	0.78	0.52	0.21	0.19	0.15	0.59	0.29	0.63	0.36	0.19	0.09	0.15	0.41	0.21	0.40	0.68	0.53	0.53	0.55
7	16	19	0.77	0.59	0.26	0.23	0.18	0.52	0.36	0.61	0.24	0.36	0.25	0.01	0.13	0.06	0.13	0.31	0.20	0.18	0.11
7	16	20	0.57	0.67	0.36	0.34	0.28	0.41	0.28	0.57	0.34	0.49	0.40	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00
7	16	21	0.47	0.73	0.38	0.36	0.37	0.43	0.30	0.55	0.43	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
7	11	7	0.11	0.53	0.64	0.58	0.60	0.57	0.57	0.59	0.12	0.24	0.44	0.53	1.00	1.00	1.00
7	11	8	0.29	0.82	0.83	0.80	0.79	0.76	0.78	0.78	0.31	0.43	0.62	0.75	1.00	1.00	1.00
7	11	9	0.57	0.95	0.93	0.91	0.88	0.86	0.88	0.88	0.39	0.60	0.72	0.86	1.00	1.00	1.00
7	11	10	0.64	1.00	0.98	0.94	0.93	0.93	0.94	0.92	0.40	0.62	0.77	0.91	1.00	1.00	1.00
7	11	11	0.83	1.00	0.98	0.95	0.93	0.96	0.93	0.92	0.35	0.62	0.80	0.81	1.00	1.00	1.00
7	11	12	0.93	0.99	0.96	0.93	0.93	0.94	0.91	0.92	0.27	0.53	0.76	0.64	1.00	1.00	1.00
7	11	13	0.97	1.00	0.95	0.93	0.92	0.92	0.92	0.91	0.23	0.56	0.71	0.63	1.00	1.00	1.00
7	11	14	0.96	0.99	0.95	0.92	0.91	0.92	0.90	0.90	0.23	0.55	0.71	0.45	1.00	1.00	1.00
7	11	15	0.97	0.96	0.94	0.90	0.91	0.91	0.88	0.90	0.28	0.55	0.62	0.18	1.00	1.00	1.00
7	11	16	0.94	0.93	0.90	0.87	0.85	0.86	0.82	0.84	0.35	0.54	0.62	0.15	1.00	1.00	1.00
7	11	17	0.83	0.82	0.78	0.77	0.75	0.75	0.70	0.74	0.48	0.50	0.54	0.07	1.00	1.00	1.00
7	11	18	0.57	0.60	0.57	0.52	0.52	0.48	0.49	0.52	0.30	0.37	0.34	0.02	1.00	1.00	1.00
7	11	19	0.10	0.28	0.31	0.21	0.20	0.18	0.18	0.20	0.13	0.14	0.07	0.00	1.00	1.00	1.00
7	11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
7	11	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	11	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	5	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.01	0.11	0.06	0.03	0.08	1.00	1.00	1.00
7	12	6	0.12	0.26	0.35	0.40	0.32	0.30	0.28	0.32	0.45	0.42	0.36	0.28	1.00	1.00	1.00
7	12	7	0.51	0.60	0.65	0.66	0.61	0.58	0.58	0.61	0.66	0.64	0.63	0.47	1.00	1.00	1.00
7	12	8	0.76	0.82	0.83	0.82	0.79	0.75	0.77	0.78	0.76	0.76	0.79	0.58	1.00	1.00	1.00
7	12	9	0.91	0.91	0.94	0.91	0.89	0.86	0.87	0.88	0.78	0.82	0.88	0.58	1.00	1.00	1.00
7	12	10	0.99	1.00	0.98	0.94	0.93	0.89	0.93	0.92	0.75	0.84	0.89	0.61	1.00	1.00	1.00
7	12	11	1.00	1.00	0.99	0.95	0.94	0.92	0.93	0.93	0.77	0.86	0.88	0.57	1.00	1.00	1.00
7	12	12	1.00	1.00	0.96	0.93	0.92	0.91	0.93	0.91	0.83	0.78	0.87	0.48	1.00	1.00	1.00
7	12	13	0.97	0.99	0.95	0.91	0.90	0.87	0.89	0.89	0.81	0.80	0.84	0.54	1.00	1.00	1.00
7	12	14	0.97	0.99	0.95	0.91	0.90	0.89	0.90	0.89	0.69	0.80	0.84	0.51	1.00	1.00	1.00
7	12	15	0.96	0.97	0.94	0.91	0.88	0.89	0.89	0.88	0.73	0.81	0.83	0.44	1.00	1.00	1.00
7	12	16	0.91	0.93	0.89	0.86	0.83	0.82	0.84	0.83	0.61	0.77	0.80	0.34	1.00	1.00	1.00
7	12	17	0.79	0.82	0.78	0.76	0.72	0.69	0.69	0.71	0.54	0.69	0.66	0.23	1.00	1.00	1.00
7	12	18	0.55	0.62	0.58	0.54	0.48	0.48	0.48	0.48	0.41	0.52	0.40	0.06	1.00	1.00	1.00
7	12	19	0.13	0.35	0.31	0.22	0.18	0.17	0.17	0.18	0.18	0.20	0.09	0.00	1.00	1.00	1.00
7	12	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	12	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	5	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.05	0.05	0.03	0.08	1.00	1.00	1.00
7	13	6	0.11	0.23	0.34	0.37	0.33	0.31	0.24	0.33	0.27	0.40	0.29	0.40	1.00	1.00	1.00
7	13	7	0.49	0.60	0.64	0.64	0.61	0.61	0.57	0.61	0.53	0.64	0.52	0.54	1.00	1.00	1.00
7	13	8	0.75	0.82	0.82	0.81	0.79	0.79	0.77	0.78	0.72	0.78	0.75	0.66	1.00	1.00	1.00
7	13	9	0.89	0.95	0.91	0.89	0.90	0.89	0.81	0.89	0.79	0.84	0.85	0.80	1.00	1.00	1.00
7	13	10	0.96	1.00	0.97	0.93	0.95	0.90	0.90	0.94	0.83	0.88	0.87	0.83	1.00	1.00	1.00
7	13	11	1.00	1.00	0.99	0.94	0.92	0.80	0.80	0.91	0.79	0.88	0.91	0.90	1.00	1.00	1.00
7	13	12	0.99	1.00	0.97	0.93	0.92	0.88	0.91	0.91	0.80	0.87	0.89	0.79	1.00	1.00	1.00
7	13	13	0.97	0.99	0.95	0.92	0.89	0.76	0.76	0.89	0.73	0.86	0.85	0.68	1.00	1.00	1.00
7	13	14	0.96	0.99	0.95	0.92	0.91	0.75	0.49	0.90	0.81	0.84	0.76	0.80	1.00	1.00	1.00
7	13	15	0.95	0.97	0.90	0.90	0.89	0.76	0.48	0.89	0.69	0.85	0.79	0.77	1.00	1.00	1.00
7	13	16	0.89	0.92	0.72	0.86	0.81	0.69	0.53	0.80	0.66	0.82	0.70	0.64	1.00	1.00	1.00
7	13	17	0.77	0.80	0.67	0.76	0.73	0.65	0.52	0.72	0.63	0.74	0.54	0.37	1.00	1.00	1.00
7	13	18	0.50	0.54	0.49	0.56	0.51	0.37	0.41	0.51	0.53	0.58	0.35	0.10	1.00	1.00	1.00
7	13	19	0.06	0.26	0.25	0.22	0.20	0.12	0.13	0.20	0.25	0.25	0.07	0.00	1.00	1.00	1.00
7	13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
7	13	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	13	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	5	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.10	0.05	0.02	0.12	1.00	1.00	1.00
7	14	6	0.06	0.07	0.08	0.21	0.09	0.07	0.11	0.09	0.43	0.35	0.15	0.46	1.00	1.00	1.00
7	14	7	0.26	0.23	0.37	0.37	0.27	0.31	0.45	0.27	0.63	0.58	0.40	0.68	1.00	1.00	1.00
7	14	8	0.52	0.54	0.52	0.58	0.49	0.51	0.62	0.48	0.76	0.73	0.62	0.90	1.00	1.00	1.00
7	14	9	0.70	0.68	0.67	0.72	0.71	0.70	0.86	0.71	0.79	0.81	0.79	0.99	1.00	1.00	1.00
7	14	10	0.86	0.81	0.70	0.70	0.74	0.90	0.90	0.74	0.79	0.83	0.85	1.00	1.00	1.00	1.00
7	14	11	0.93	0.72	0.75	0.86	0.90	0.87	0.89	0.90	0.72	0.80	0.85	0.97	1.00	1.00	1.00
7	14	12	0.84	0.64	0.88	0.91	0.91	0.87	0.83	0.90	0.77	0.73	0.86	0.85	1.00	1.00	1.00
7	14	13	0.71	0.73	0.77	0.91	0.89	0.76	0.81	0.89	0.76	0.73	0.79	0.79	1.00	1.00	1.00
7	14	14	0.70	0.75	0.86	0.92	0.86	0.80	0.81	0.86	0.72	0.73	0.82	0.68	1.00	1.00	1.00
7	14	15	0.51	0.74	0.79	0.90	0.84	0.74	0.59	0.84	0.58	0.66	0.81	0.72	1.00	1.00	1.00
7	14	16	0.60	0.71	0.75	0.86	0.65	0.63	0.55	0.65	0.64	0.65	0.72	0.70	1.00	1.00	1.00
7	14	17	0.57	0.69	0.71	0.75	0.59	0.53	0.53	0.58	0.40	0.58	0.58	0.52	1.00	1.00	1.00
7	14	18	0.39	0.46	0.53	0.51	0.40	0.20	0.28	0.40	0.34	0.42	0.37	0.11	1.00	1.00	1.00
7	14	19	0.04	0.25	0.27	0.20	0.14	0.05	0.07	0.14	0.15	0.16	0.07	0.00	1.00	1.00	1.00
7	14	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	14	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	14	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	5	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.14	1.00	1.00	1.00
7	15	6	0.06	0.07	0.15	0.20	0.05	0.19	0.23	0.05	0.12	0.17	0.15	0.56	1.00	1.00	1.00
7	15	7	0.36	0.48	0.36	0.25	0.14	0.56	0.55	0.14	0.29	0.38	0.33	0.80	1.00	1.00	1.00
7	15	8	0.70	0.77	0.62	0.22	0.35	0.78	0.75	0.35	0.45	0.43	0.50	0.94	1.00	1.00	1.00
7	15	9	0.88	0.90	0.63	0.28	0.48	0.88	0.89	0.47	0.59	0.53	0.67	1.00	1.00	1.00	1.00
7	15	10	0.96	0.97	0.78	0.36	0.58	0.94	0.93	0.57	0.63	0.53	0.80	0.94	1.00	1.00	1.00
7	15	11	0.98	0.97	0.85	0.42	0.64	0.94	0.95	0.64	0.65	0.49	0.80	0.87	1.00	1.00	1.00
7	15	12	0.98	0.98	0.83	0.38	0.89	0.92	0.93	0.88	0.44	0.46	0.80	0.74	1.00	1.00	1.00
7	15	13	0.95	0.95	0.80	0.89	0.86	0.90	0.91	0.85	0.34	0.49	0.78	0.54	1.00	1.00	1.00
7	15	14	0.95	0.97	0.83	0.91	0.89	0.89	0.91	0.88	0.41	0.54	0.68	0.60	1.00	1.00	1.00
7	15	15	0.94	0.97	0.91	0.91	0.89	0.87	0.90	0.88	0.35	0.53	0.68	0.60	1.00	1.00	1.00
7	15	16	0.89	0.92	0.88	0.86	0.85	0.81	0.84	0.84	0.47	0.55	0.62	0.35	1.00	1.00	1.00
7	15	17	0.75	0.81	0.79	0.76	0.74	0.68	0.72	0.73	0.26	0.48	0.51	0.22	1.00	1.00	1.00
7	15	18	0.44	0.59	0.60	0.49	0.49	0.47	0.47	0.48	0.27	0.35	0.35	0.11	1.00	1.00	1.00
7	15	19	0.04	0.33	0.30	0.19	0.18	0.16	0.16	0.18	0.11	0.15	0.07	0.00	1.00	1.00	1.00
7	15	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	15	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	5	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.02	0.03	0.03	0.13	1.00	1.00	1.00
7	16	6	0.05	0.21	0.31	0.36	0.31	0.29	0.21	0.31	0.20	0.34	0.34	0.54	1.00	1.00	1.00
7	16	7	0.36	0.59	0.62	0.63	0.61	0.59	0.54	0.60	0.39	0.61	0.61	0.77	1.00	1.00	1.00
7	16	8	0.65	0.81	0.81	0.79	0.77	0.78	0.76	0.77	0.61	0.77	0.78	0.93	1.00	1.00	1.00
7	16	9	0.82	0.93	0.91	0.89	0.87	0.88	0.85	0.86	0.70	0.83	0.86	0.94	1.00	1.00	1.00
7	16	10	0.93	0.96	0.95	0.92	0.91	0.93	0.92	0.90	0.69	0.81	0.90	0.96	1.00	1.00	1.00
7	16	11	0.97	1.00	0.96	0.94	0.92	0.93	0.93	0.91	0.58	0.76	0.90	0.96	1.00	1.00	1.00
7	16	12	0.97	0.99	0.95	0.93	0.91	0.92	0.92	0.90	0.38	0.78	0.81	0.96	1.00	1.00	1.00
7	16	13	0.95	0.96	0.94	0.90	0.91	0.90	0.88	0.90	0.30	0.75	0.69	0.93	1.00	1.00	1.00
7	16	14	0.95	0.97	0.94	0.91	0.91	0.89	0.88	0.90	0.26	0.75	0.66	0.93	1.00	1.00	1.00
7	16	15	0.92	0.97	0.93	0.89	0.90	0.87	0.87	0.89	0.36	0.70	0.60	0.88	1.00	1.00	1.00
7	16	16	0.87	0.93	0.89	0.85	0.84	0.82	0.82	0.84	0.18	0.59	0.50	0.74	1.00	1.00	1.00
7	16	17	0.73	0.82	0.79	0.76	0.74	0.70	0.69	0.73	0.16	0.55	0.34	0.59	1.00	1.00	1.00
7	16	18	0.49	0.56	0.58	0.56	0.51	0.50	0.47	0.50	0.22	0.46	0.23	0.17	1.00	1.00	1.00
7	16	19	0.04	0.31	0.28	0.22	0.19	0.18	0.16	0.19	0.07	0.18	0.04	0.00	1.00	1.00	1.00
7	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
7	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fo	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
7	16	22	0.47	0.69	0.56	0.52	0.87	0.93	0.76	0.69	0.51	0.46	0.69	0.67	0.47	0.70	0.44	0.42	0.30	0.56	0.34	0.45	0.38	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	23	0.51	0.59	0.52	0.53	0.87	0.92	0.75	0.70	0.55	0.50	0.62	0.67	0.52	0.71	0.46	0.44	0.20	0.40	0.28	0.42	0.24	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	16	24	0.52	0.51	0.53	0.47	0.89	0.66	0.73	0.67	0.56	0.51	0.60	0.62	0.53	0.66	0.47	0.45	0.43	0.31	0.20	0.40	0.13	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	1	0.46	0.36	0.51	0.45	0.89	0.56	0.73	0.65	0.50	0.45	0.55	0.64	0.47	0.68	0.48	0.46	0.45	0.23	0.18	0.36	0.03	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	2	0.35	0.27	0.50	0.35	0.89	0.55	0.73	0.62	0.40	0.35	0.46	0.64	0.36	0.68	0.43	0.41	0.29	0.14	0.13	0.38	0.00	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	3	0.35	0.34	0.49	0.32	0.87	0.58	0.68	0.55	0.41	0.35	0.36	0.63	0.36	0.67	0.41	0.39	0.50	0.20	0.08	0.38	0.00	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	4	0.30	0.48	0.47	0.26	0.85	0.62	0.68	0.47	0.36	0.29	0.29	0.58	0.31	0.63	0.36	0.34	0.45	0.21	0.18	0.30	0.00	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	5	0.25	0.50	0.50	0.21	0.83	0.57	0.67	0.38	0.31	0.25	0.19	0.54	0.26	0.59	0.32	0.30	0.33	0.13	0.28	0.25	0.00	0.50	0.39	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.04	0.03	0.03	0.09	1.00	1.00	1.00
7	17	6	0.15	0.30	0.52	0.15	0.79	0.45	0.64	0.29	0.21	0.14	0.14	0.50	0.16	0.55	0.23	0.21	0.24	0.11	0.18	0.21	0.00	0.30	0.20	0.00	0.14	0.31	0.13	0.12	0.09	0.13	0.17	0.06	0.22	0.33	0.37	0.31	0.25	0.21	0.31	0.22	0.32	0.33	0.48	1.00	1.00	1.00
7	17	7	0.02	0.19	0.49	0.07	0.75	0.15	0.57	0.19	0.07	0.01	0.10	0.42	0.03	0.48	0.14	0.12	0.13	0.04	0.16	0.15	0.00	0.19	0.09	0.03	0.35	0.55	0.34	0.39	0.39	0.49	0.51	0.36	0.57	0.64	0.64	0.60	0.57	0.50	0.60	0.45	0.57	0.61	0.73	1.00	1.00	1.00
7	17	8	0.01	0.19	0.50	0.05	0.72	0.12	0.53	0.10	0.06	0.00	0.08	0.29	0.02	0.36	0.12	0.10	0.11	0.02	0.16	0.17	0.00	0.19	0.08	0.23	0.55	0.75	0.54	0.51	0.57	0.71	0.72	0.59	0.81	0.82	0.81	0.79	0.75	0.74	0.78	0.70	0.69	0.78	0.92	1.00	1.00	1.00
7	17	9	0.01	0.16	0.50	0.08	0.64	0.10	0.50	0.06	0.07	0.00	0.09	0.15	0.02	0.23	0.12	0.10	0.13	0.04	0.11	0.27	0.00	0.16	0.06	0.45	0.71	0.88	0.70	0.63	0.73	0.83	0.85	0.89	0.93	0.93	0.88	0.89	0.87	0.85	0.88	0.79	0.85	0.86	0.99	1.00	1.00	1.00
7	17	10	0.04	0.11	0.49	0.14	0.49	0.07	0.49	0.05	0.09	0.03	0.12	0.03	0.05	0.10	0.13	0.10	0.11	0.10	0.06	0.35	0.00	0.11	0.02	0.63	0.83	0.93	0.81	0.76	0.87	0.89	0.92	0.98	1.00	0.97	0.94	0.93	0.90	0.92	0.93	0.85	0.87	0.88	0.97	1.00	1.00	1.00
7	17	11	0.08	0.09	0.47	0.20	0.34	0.09	0.46	0.08	0.13	0.07	0.12	0.00	0.09	0.06	0.16	0.13	0.11	0.15	0.08	0.46	0.03	0.09	0.01	0.73	0.88	0.88	0.86	0.80	0.90	0.90	0.93	1.00	1.00	0.99	0.95	0.94	0.92	0.92	0.93	0.66	0.81	0.84	1.00	1.00	1.00	1.00
7	17	12	0.12	0.11	0.44	0.26	0.25	0.11	0.49	0.16	0.18	0.11	0.17	0.02	0.13	0.08	0.20	0.17	0.22	0.18	0.33	0.60	0.07	0.11	0.02	0.79	0.89	0.88	0.87	0.83	0.89	0.89	0.92	1.00	1.00	0.97	0.93	0.93	0.90	0.91	0.92	0.71	0.84	0.75	0.94	1.00	1.00	1.00
7	17	13	0.19	0.14	0.45	0.32	0.24	0.14	0.56	0.26	0.24	0.18	0.30	0.03	0.20	0.10	0.22	0.19	0.36	0.17	0.65	0.69	0.09	0.14	0.04	0.79	0.87	0.82	0.85	0.68	0.88	0.87	0.90	0.96	1.00	0.93	0.91	0.91	0.89	0.91	0.90	0.59	0.82	0.61	0.95	1.00	1.00	1.00
7	17	14	0.31	0.16	0.51	0.36	0.27	0.16	0.62	0.35	0.36	0.30	0.49	0.10	0.32	0.17	0.25	0.22	0.38	0.19	0.68	0.74	0.06	0.16	0.06	0.76	0.85	0.87	0.84	0.66	0.87	0.85	0.90	0.97	0.99	0.95	0.91	0.92	0.90	0.87	0.91	0.77	0.82	0.73	0.93	1.00	1.00	1.00
7	17	15	0.37	0.19	0.59	0.36	0.33	0.16	0.65	0.44	0.42	0.36	0.59	0.27	0.38	0.34	0.32	0.30	0.34	0.32	0.41	0.78	0.03	0.19	0.09	0.69	0.83	0.80	0.81	0.69	0.86	0.85	0.90	0.96	0.98	0.93	0.91	0.89	0.89	0.88	0.89	0.57	0.84	0.75	0.80	1.00	1.00	1.00
7	17	16	0.40	0.24	0.81	0.34	0.45	0.20	0.64	0.51	0.44	0.39	0.65	0.44	0.40	0.50	0.45	0.43	0.31	0.35	0.31	0.79	0.05	0.24	0.14	0.56	0.75	0.72	0.74	0.65	0.82	0.82	0.85	0.91	0.93	0.89	0.86	0.85	0.82	0.82	0.84	0.62	0.79	0.64	0.64	1.00	1.00	1.00
7	17	17	0.48	0.38	0.71	0.36	0.60	0.25	0.63	0.59	0.52	0.47	0.66	0.50	0.49	0.55	0.52	0.50	0.32	0.32	0.25	0.76	0.21	0.38	0.28	0.37	0.61	0.62	0.60	0.52	0.73	0.74	0.76	0.75	0.82	0.78	0.74	0.73	0.70	0.68	0.73	0.65	0.73	0.51	0.44	1.00	1.00	1.00
7	17	18	0.64	0.53	0.69	0.36	0.71	0.36	0.62	0.64	0.67	0.64	0.63	0.50	0.65	0.55	0.48	0.46	0.20	0.35	0.29	0.78	0.36	0.53	0.43	0.14	0.39	0.41	0.38	0.32	0.57	0.57	0.56	0.50	0.59	0.58	0.54	0.52	0.49	0.45	0.52	0.52	0.59	0.30	0.07	1.00	1.00	1.00
7	17	19	0.65	0.47	0.75	0.38	0.79	0.67	0.62	0.63	0.68	0.65	0.62	0.56	0.66	0.61	0.48	0.46	0.26	0.52	0.21	0.74	0.18	0.47	0.37	0.01	0.13	0.16	0.13	0.14	0.31	0.25	0.13	0.00	0.33	0.27	0.21	0.20	0.17	0.15	0.20	0.24	0.28	0.06	0.00	1.00	1.00	1.00
7	17	20	0.67	0.41	0.65	0.48	0.84	0.93	0.63	0.61	0.70	0.66	0.65	0.60	0.67	0.65	0.50	0.48	0.34	0.59	0.21	0.71	0.47	0.41	0.31	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	17	21	0.65	0.56	0.59	0.44	0.84	0.92	0.66	0.56	0.68	0.64	0.66	0.61	0.65	0.66	0.45	0.43	0.23	0.52	0.34	0.67	0.27	0.56	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	22	0.58	0.47	0.61	0.37	0.79	0.89	0.68	0.52	0.61	0.57	0.63	0.61	0.59	0.66	0.39	0.37	0.07	0.63	0.38	0.60	0.21	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	23	0.54	0.44	0.70	0.34	0.74	0.87	0.67	0.51	0.58	0.54	0.59	0.50	0.55	0.55	0.32	0.30	0.11	0.73	0.26	0.52	0.09	0.44	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	17	24	0.53	0.52	0.61	0.37	0.70	0.84	0.63	0.54	0.56	0.52	0.53	0.41	0.53	0.46	0.27	0.25	0.17	0.77	0.28	0.45	0.03	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	1	0.52	0.46	0.49	0.41	0.68	0.49	0.58	0.56	0.57	0.52	0.48	0.44	0.53	0.50	0.25	0.23	0.13	0.73	0.20	0.46	0.13	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	2	0.44	0.40	0.43	0.40	0.65	0.56	0.56	0.53	0.49	0.43	0.43	0.43	0.45	0.49	0.19	0.17	0.11	0.64	0.23	0.47	0.14	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	3	0.42	0.38	0.48	0.37	0.57	0.64	0.57	0.51	0.47	0.42	0.37	0.39	0.43	0.45	0.13	0.11	0.16	0.54	0.39	0.50	0.08	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	4	0.39	0.40	0.53	0.30	0.48	0.66	0.55	0.49	0.44	0.38	0.33	0.43	0.40	0.49	0.13	0.11	0.30	0.50	0.48	0.48	0.03	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	5	0.36	0.32	0.38	0.24	0.39	0.74	0.54	0.43	0.41	0.35	0.26	0.47	0.37	0.52	0.16	0.14	0.54	0.45	0.50	0.47	0.01	0.32	0.21	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.09	0.04	0.03	0.11	1.00	1.00	1.00
7	18	6	0.25	0.19	0.32	0.26	0.29	0.62	0.51	0.32	0.31	0.24	0.23	0.46	0.26	0.52	0.12	0.10	0.63	0.35	0.39	0.47	0.00	0.19	0.09	0.00	0.12	0.36	0.12	0.01	0.00	0.06	0.19	0.05	0.25	0.31	0.37	0.32	0.27	0.23	0.31	0.44	0.38	0.33	0.52	1.00	1.00	1.00
7	18	7	0.21	0.16	0.23	0.21	0.14	0.22	0.46	0.20	0.27	0.20	0.15	0.36	0.22	0.43	0.12	0.10	0.52	0.19	0.36	0.39	0.00	0.16	0.06	0.03	0.31	0.61	0.31	0.13	0.09	0.38	0.53	0.36	0.61	0.60	0.64	0.62	0.58	0.53	0.61	0.65	0.62	0.62	0.79	1.00	1.00	1.00
7	18	8	0.21	0.14	0.27	0.19	0.02	0.15	0.45	0.11	0.27	0.21	0.14	0.23	0.22	0.31	0.17	0.14	0.35	0.20	0.38	0.41	0.00	0.14	0.05	0.22	0.51	0.79	0.50	0.17	0.27	0.67	0.74	0.63	0.83	0.82	0.80	0.78	0.75	0.75	0.78	0.78	0.77	0.78	0.94	1.00	1.00	1.00
7	18	9	0.27	0.18	0.28	0.24	0.00	0.11	0.43	0.09	0.33	0.26	0.20	0.08	0.28	0.15	0.19	0.16	0.23	0.31	0.33	0.53	0.00	0.19	0.08	0.43	0.66	0.90	0.65	0.25	0.38	0.74	0.86	0.88	0.96	0.93	0.89	0.89	0.87	0.85	0.88	0.84	0.84	0.87	1.00	1.00	1.00	1.00
7	18	10	0.33	0.19	0.31	0.27	0.02	0.09	0.46	0.11	0.38	0.32	0.27	0.00	0.33	0.05	0.23	0.21	0.20	0.53	0.20	0.61	0.01	0.19	0.08	0.58	0.76	0.95	0.74	0.30	0.54	0.84	0.92	0.93	1.00	0.98	0.94	0.92	0.90	0.92	0.92	0.86	0.88	0.89	1.00	1.00	1.00	1.00
7	18	11	0.35	0.18	0.35	0.31	0.09	0.09	0.49	0.19	0.40	0.34	0.32	0.00	0.36	0.06	0.40	0.38	0.18	0.71	0.17	0.68	0.02	0.18	0.08	0.67	0.80	0.95	0.78	0.44	0.57	0.70	0.94	1.00	1.00	0.97	0.95	0.93	0.90	0.92	0.93	0.85	0.88	0.84	1.00	1.00	1.00	1.00
7	18	12	0.46	0.19	0.30	0.36	0.20	0.11	0.51	0.29	0.50	0.45	0.39	0.01	0.47	0.07	0.46	0.44	0.18	0.78	0.12	0.73	0.04	0.19	0.09	0.74	0.83	0.92	0.81	0.43	0.82	0.69	0.92	0.99	1.00	0.98	0.93	0.92	0.91	0.90	0.92	0.83	0.87	0.78	0.97	1.00	1.00	1.00
7	18	13	0.54	0.21	0.23	0.44	0.35	0.13	0.54	0.36	0.58	0.53	0.49	0.02	0.54	0.09	0.47	0.45	0.18	0.82	0.17	0.78	0.17	0.21	0.11	0.75	0.83	0.88	0.81	0.41	0.86	0.76	0.86	0.97	1.00	0.95	0.91	0.90	0.88	0.88	0.90	0.83	0.86	0.70	0.87	1.00	1.00	1.00
7	18	14	0.55	0.27	0.20	0.48	0.43	0.16	0.60	0.41	0.59	0.55	0.55	0.05	0.56	0.12	0.40	0.38	0.20	0.76	0.11	0.82	0.14	0.26	0.16	0.74	0.83	0.85	0.82	0.58	0.88	0.72	0.86	0.97	1.00	0.95	0.90	0.91	0.90	0.87	0.90	0.83	0.85	0.70	0.71	1.00	1.00	1.00
7	18	15	0.60	0.44	0.44	0.49	0.45	0.24	0.64	0.47	0.63	0.59	0.58	0.12	0.60	0.19	0.43	0.41	0.18	0.72	0.08	0.85	0.27	0.44	0.33	0.68	0.81	0.84	0.79	0.62	0.88	0.73	0.88	0.96	0.99	0.94	0.90	0.89	0.88	0.86	0.88	0.83	0.85	0.69	0.73	1.00	1.00	1.00
7	18	16	0.68	0.37	0.45	0.54	0.44	0.37	0.66	0.52	0.71	0.68	0.60	0.32	0.68	0.38	0.44	0.42	0.20	0.69	0.11	0.86	0.14	0.37	0.28	0.56	0.74	0.77	0.73	0.62	0.85	0.81	0.82	0.87	0.93	0.89	0.86	0.84	0.83	0.81	0.84	0.80	0.81	0.65	0.67	1.00	1.00	1.00
7	18	17	0.76	0.59	0.55	0.57	0.48	0.64	0.65	0.57	0.78	0.76	0.61	0.46	0.77	0.53	0.46	0.44	0.19	0.73	0.23	0.83	0.01	0.59	0.49	0.38	0.62	0.63	0.61	0.67	0.77	0.74	0.74	0.74	0.82	0.78	0.76	0.73	0.70	0.68	0.73	0.70	0.72	0.48	0.49	1.00	1.00	1.00
7	18	18	0.85	0.56	0.64	0.59	0.57	0.83	0.66	0.59	0.87	0.85	0.61	0.47	0.85	0.52	0.43	0.41	0.23	0.75	0.24	0.80	0.01	0.56	0.46	0.15	0.41	0.40	0.41	0.58	0.59	0.58	0.56	0.53	0.62	0.59	0.52	0.51	0.48	0.48	0.50	0.52	0.56	0.28	0.17	1.00	1.00	1.00
7	18	19	0.84	0.35	0.74	0.54	0.67	0.82	0.69	0.61	0.85	0.84	0.59	0.47	0.84	0.53	0.50	0.48	0.46	0.69	0.31	0.75	0.05	0.35	0.26	0.01	0.14	0.12	0.14	0.33	0.27	0.20	0.13	0.07	0.35	0.27	0.20	0.19	0.17	0.16	0.19	0.24	0.27	0.06	0.00	1.00	1.00	1.00
7	18	20	0.81	0.38	0.70	0.54	0.73	0.96	0.73	0.64	0.83	0.81	0.62	0.53	0.82	0.58	0.36	0.34	0.54	0.68	0.25	0.71	0.23	0.38	0.27	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	18	21	0.66	0.37	0.63	0.53	0.73	0.85	0.77	0.61	0.69	0.65	0.59	0.55	0.66	0.60	0.29	0.26	0.58	0.65	0.18	0.71	0.48	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	22	0.50	0.42	0.66	0.43	0.68	0.70	0.77	0.59	0.54	0.49	0.53	0.53	0.51	0.58	0.28	0.25	0.67	0.70	0.16	0.67	0.57	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	23	0.47	0.32	0.69	0.38	0.58	0.75	0.74	0.60	0.51	0.46	0.48	0.49	0.47	0.55	0.22	0.20	0.65	0.72	0.11	0.58	0.53	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	18	24	0.50	0.39	0.75	0.33	0.58	0.89	0.74	0.66	0.55	0.50	0.45	0.45	0.51	0.51	0.18	0.16	0.64	0.72	0.09	0.45	0.50	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	1	0.48	0.30	0.78	0.28	0.62	0.93	0.74	0.71	0.53	0.48	0.40	0.43	0.49	0.49	0.22	0.20	0.51	0.71	0.11	0.37	0.52	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	2	0.43	0.16	0.81	0.21	0.64	0.88	0.76	0.65	0.47	0.42	0.37	0.43	0.44	0.49	0.28	0.26	0.39	0.66	0.11	0.33	0.51	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	3	0.50	0.08	0.83	0.15	0.65	0.68	0.75	0.59	0.55	0.50	0.29	0.41	0.51	0.47	0.30	0.28	0.34	0.61	0.13	0.25	0.50	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	4	0.46	0.05	0.80	0.14	0.69	0.60	0.74	0.58	0.51	0.45	0.21	0.39	0.47	0.46	0.32	0.30	0.36	0.58	0.16	0.18	0.41	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	5	0.40	0.06	0.74	0.11	0.66	0.52	0.71	0.49	0.45	0.39	0.13	0.37	0.41	0.43	0.40	0.38	0.31	0.56	0.15	0.10	0.31	0.06	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.09	0.04	0.02	0.12	1.00	1.00	1.00
7	19	6	0.35	0.04	0.56	0.08	0.56	0.68	0.67	0.38	0.40	0.35	0.09	0.33	0.36	0.40	0.41	0.39	0.18	0.47	0.15	0.06	0.18	0.04	0.00	0.00	0.14	0.37	0.14	0.20	0.07	0.10	0.18	0.07	0.19	0.33	0.37	0.32	0.27	0.22	0.32	0.44	0.39	0.31	0.51	1.00	1.00	1.00
7	19	7	0.30	0.02	0.28	0.04	0.34	0.31	0.60	0.23	0.36	0.29	0.05	0.21	0.31	0.28	0.28	0.26	0.07	0.35	0.19	0.05	0.06	0.02	0.00	0.03	0.36	0.61	0.36	0.55	0.47	0.47	0.52	0.45	0.48	0.64	0.65	0.61	0.57	0.54	0.61	0.65	0.63	0.58	0.76	1.00	1.00	1.00
7	19	8	0.22	0.02	0.18	0.01	0.15	0.27	0.52	0.08	0.28	0.21	0.03	0.06	0.23	0.13	0.26	0.24	0.04	0.39	0.19	0.07	0.03	0.02	0.00	0.24	0.58	0.79	0.57	0.77	0.71	0.70	0.75	0.75	0.74	0.83	0.81	0.79	0.77	0.74	0.78	0.77	0.78	0.78	0.94	1.00	1.00	1.00
7	19	9	0.13	0.04	0.11	0.01	0.04	0.35	0.49	0.01	0.19	0.12	0.03	0.00	0.14	0.04	0.26	0.24	0.02	0.51	0.23	0.09	0.02	0.04	0.00	0.47	0.75	0.90	0.73	0.88	0.84	0.83	0.86	0.90	0.95	0.94	0.90	0.89	0.88	0.86	0.89	0.84	0.86	0.87	1.00	1.00	1.00	1.00
7	19	10	0.16	0.05	0.05	0.01	0.00	0.33	0.46	0.00	0.22	0.15	0.02	0.00	0.17	0.04	0.24	0.22	0.02	0.56	0.26	0.12	0.01	0.05	0.00	0.64	0.84	0.96	0.83	0.89	0.90	0.90	0.93	0.98	1.00	0.98	0.95	0.94	0.93	0.91	0.93	0.86	0.89	0.91	1.00	1.00	1.00	1.00
7	19	11	0.21	0.08	0.02	0.02	0.00	0.32	0.45	0.02	0.27	0.20	0.06	0.01	0.22	0.08	0.24	0.21	0.02	0.57	0.26	0.19	0.00	0.08	0.01	0.74	0.89	0.97	0.87	0.92	0.91	0.91	0.94	1.00	1.00	1.00	0.95	0.93	0.94	0.91	0.92	0.86	0.89	0.92	1.00	1.00	1.00	1.00
7	19	12	0.21	0.12	0.02	0.04	0.00	0.32	0.47	0.07	0.26	0.20	0.11	0.03	0.22	0.10	0.25	0.23	0.02	0.59	0.34	0.32	0.01	0.12	0.03	0.80	0.91	0.94	0.89	0.93	0.90	0.90	0.93	1.00	1.00	0.98	0.94	0.93	0.93	0.90	0.92	0.84	0.87	0.88	0.91	1.00	1.00	1.00
7	19	13	0.35	0.15	0.04	0.06	0.00	0.31	0.52	0.16	0.40	0.34	0.18	0.04	0.36	0.11	0.23	0.21	0.02	0.57	0.51	0.43	0.02	0.15	0.05	0.81	0.90	0.92	0.88	0.92	0.88	0.87	0.90	0.98	1.00	0.96	0.93	0.92	0.91	0.87	0.91	0.83	0.86	0.81	0.88	1.00	1.00	1.00
7	19	14	0.41	0.20	0.10	0.08	0.03	0.29	0.57	0.23	0.46	0.40	0.29	0.07	0.42	0.14	0.23	0.21	0.02	0.65	0.52	0.51	0.04	0.20	0.10	0.79	0.89	0.90	0.87	0.94	0.87	0.87	0.91	0.98	1.00	0.95	0.92	0.92	0.91	0.88	0.91	0.82	0.87	0.80	0.86	1.00	1.00	1.00
7	19	15	0.48	0.24	0.13	0.10	0.20	0.30	0.62	0.27	0.52	0.47	0.41	0.18	0.48	0.25	0.22	0.20	0.02	0.71	0.59	0.57	0.07	0.24	0.13	0.71	0.85	0.86	0.83	0.94	0.86	0.86	0.90	0.97	0.99	0.95	0.89	0.90	0.87	0.86	0.89	0.76	0.85	0.79	0.84	1.00	1.00	1.00
7	19	16	0.57	0.28	0.17	0.13	0.40	0.33	0.66	0.32	0.60	0.56	0.52	0.39	0.57	0.46	0.19	0.17	0.02	0.73	0.59	0.64	0.10	0.28	0.17	0.58	0.77	0.78	0.76	0.93	0.83	0.83	0.86	0.92	0.94	0.91	0.75	0.85	0.81	0.83	0.84	0.67	0.82	0.66	0.82	1.00	1.00	1.00
7	19	17	0.71	0.33	0.20	0.16	0.57	0.37	0.70	0.39	0.74	0.71	0.57	0.49	0.72	0.55	0.18	0.16	0.03	0.69	0.45	0.68	0.06	0.33	0.22	0.39	0.63	0.62	0.62	0.84	0.75	0.74	0.76	0.81	0.83	0.80	0.67	0.71	0.69	0.68	0.71	0.49	0.74	0.50	0.58	1.00	1.00	1.00
7	19	18	0.76	0.35	0.22	0.20	0.69	0.43	0.72	0.44	0.78	0.75	0.58	0.49	0.76	0.55	0.17	0.15	0.04	0.67	0.34	0.65	0.06	0.35	0.24	0.15	0.41	0.39	0.41	0.67	0.57	0.57	0.55	0.58	0.60	0.59	0.43	0.51	0.48	0.46	0.51	0.34	0.57	0.30	0.18	1.00	1.00	1.00
7	19	19	0.70	0.31	0.25	0.25	0.80	0.65	0.77	0.52	0.73	0.70	0.60	0.52	0.71	0.57	0.19	0.17	0.06	0.65	0.37	0.58	0.07	0.31	0.21	0.01	0.13	0.11	0.13	0.29	0.27	0.19	0.15	0.07	0.33	0.27	0.15	0.19	0.16	0.14	0.19	0.14	0.29	0.05	0.00	1.00	1.00	1.00
7	19	20	0.68	0.36	0.30	0.31	0.86	0.98	0.80	0.61	0.71	0.68	0.66	0.54	0.69	0.59	0.26	0.24	0.10	0.68	0.24	0.57	0.24	0.36	0.25	0.00	0.00	0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	19	21	0.63	0.41	0.32	0.31	0.85	0.93	0.79	0.63	0.67	0.63	0.76	0.47	0.64	0.52	0.25	0.23	0.18	0.65	0.20	0.57	0.54	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	22	0.52	0.49	0.38	0.26	0.85	0.91	0.79	0.61	0.56	0.52	0.75	0.45	0.53	0.50	0.19	0.17	0.12	0.61	0.17	0.50	0.63	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	23	0.43	0.51	0.41	0.21	0.85	0.84	0.79	0.64	0.47	0.42	0.71	0.44	0.44	0.50	0.17	0.15	0.03	0.66	0.25	0.44	0.58	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	19	24	0.41	0.46	0.31	0.20	0.84	0.81	0.79	0.65	0.46	0.40	0.61	0.44	0.42	0.50	0.15	0.13	0.03	0.63	0.30	0.38	0.44	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	1	0.34	0.35	0.22	0.21	0.82	0.67	0.77	0.63	0.39	0.33	0.54	0.47	0.35	0.53	0.17	0.14	0.04	0.61	0.39	0.32	0.46	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	2	0.27	0.22	0.20	0.26	0.81	0.56	0.73	0.53	0.32	0.26	0.48	0.47	0.27	0.53	0.15	0.13	0.02	0.60	0.31	0.22	0.29	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	3	0.26	0.14	0.18	0.28	0.80	0.70	0.65	0.41	0.32	0.25	0.42	0.38	0.27	0.45	0.11	0.09	0.03	0.55	0.22	0.23	0.04	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	4	0.29	0.10	0.14	0.24	0.79	0.59	0.62	0.31	0.35	0.28	0.35	0.29	0.30	0.36	0.09	0.07	0.03	0.49	0.18	0.22	0.09	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	5	0.19	0.06	0.08	0.20	0.78	0.30	0.58	0.26	0.24	0.18	0.28	0.25	0.20	0.32	0.11	0.09	0.02	0.39	0.20	0.24	0.44	0.06	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.02	0.08	1.00	1.00	1.00
7	20	6	0.11	0.03	0.02	0.18	0.74	0.30	0.52	0.21	0.17	0.10	0.24	0.09	0.12	0.16	0.11	0.09	0.03	0.33	0.14	0.30	0.47	0.03	0.00	0.00	0.11	0.33	0.11	0.24	0.07	0.11	0.20	0.08	0.24	0.32	0.12	0.22	0.15	0.14	0.22	0.43	0.39	0.19	0.40	1.00	1.00	1.00
7	20	7	0.03	0.02	0.00	0.08	0.69	0.17	0.46	0.10	0.09	0.02	0.19	0.03	0.04	0.09	0.09	0.07	0.02	0.24	0.12	0.26	0.28	0.02	0.00	0.03	0.34	0.56	0.34	0.60	0.48	0.49	0.54	0.49	0.60	0.63	0.34	0.53	0.44	0.44	0.53	0.64	0.62	0.42	0.65	1.00	1.00	1.00
7	20	8	0.02	0.05	0.00	0.07	0.65	0.07	0.39	0.01	0.07	0.01	0.18	0.02	0.03	0.09	0.12	0.10	0.03	0.27	0.14	0.25	0.16	0.05	0.00	0.23	0.57	0.71	0.56	0.80	0.71	0.71	0.74	0.75	0.83	0.82	0.61	0.70	0.74	0.72	0.69	0.74	0.76	0.59	0.73	1.00	1.00	1.00
7	20	9	0.06	0.10	0.00	0.11	0.59	0.06	0.37	0.00	0.12	0.05	0.16	0.05	0.07	0.12	0.18	0.15	0.03	0.40	0.14	0.28	0.10	0.10	0.01	0.47	0.75	0.80	0.73	0.92	0.84	0.83	0.86	0.89	0.96	0.93	0.87	0.88	0.88	0.84	0.87	0.76	0.83	0.60	0.83	1.00	1.00	1.00
7	20	10	0.13	0.13	0.00	0.16	0.50	0.10	0.38	0.00	0.19	0.12	0.20	0.08	0.14	0.15	0.22	0.20	0.04	0.55	0.16	0.32	0.08	0.13	0.03	0.64	0.85	0.86	0.83	0.98	0.90	0.89	0.92	0.97	1.00	0.98	0.95	0.95	0.93	0.90	0.94	0.77	0.87	0.65	0.92	1.00	1.00	1.00
7	20	11	0.18	0.15	0.00	0.24	0.42	0.13	0.39	0.01	0.23	0.17	0.22	0.08	0.19	0.15	0.27	0.25	0.06	0.61	0.19	0.42	0.08	0.15	0.05	0.75	0.90	0.87	0.88	0.99	0.91	0.90	0.94	1.00	1.00	0.99	0.97	0.97	0.95	0.91	0.96	0.76	0.88	0.67	0.91	1.00	1.00	1.00
7	20	12	0.28	0.15	0.06	0.30	0.40	0.15	0.42	0.07	0.34	0.27	0.20	0.08	0.29	0.15	0.34	0.32	0.13	0.62	0.23	0.50	0.08	0.15	0.05	0.80	0.91	0.85	0.89	0.94	0.89	0.89	0.93	0.99	1.00	0.97	0.95	0.95	0.92	0.89	0.94	0.73	0.86	0.65	0.85	1.00	1.00	1.00
7	20	13	0.36	0.16	0.27	0.35	0.42	0.14	0.46	0.16	0.41	0.35	0.20	0.08	0.37	0.15	0.41	0.39	0.21	0.65	0.31	0.59	0.08	0.16	0.06	0.81	0.89	0.87	0.88	0.89	0.87	0.86	0.90	0.97	1.00	0.96	0.94	0.92	0.91	0.87	0.91	0.71	0.86	0.69	0.94	1.00	1.00	1.00
7	20	14	0.40	0.17	0.48	0.38	0.46	0.17	0.51	0.21	0.44	0.39	0.26	0.11	0.40	0.18	0.50	0.48	0.23	0.70	0.31	0.63	0.07	0.17	0.07	0.78	0.88	0.88	0.86	0.92	0.87	0.86	0.90	0.96	1.00	0.95	0.93	0.92	0.86	0.87	0.91	0.77	0.86	0.78	0.86	1.00	1.00	1.00
7	20	15	0.43	0.17	0.47	0.41	0.54	0.21	0.56	0.25	0.48	0.43	0.45	0.14	0.44	0.21	0.59	0.58	0.24	0.71	0.40	0.62	0.04	0.17	0.07	0.68	0.82	0.83	0.80	0.87	0.85	0.85	0.88	0.95	0.95	0.92	0.90	0.85	0.87	0.69	0.84	0.78	0.84	0.73	0.75	1.00	1.00	1.00
7	20	16	0.54	0.17	0.43	0.44	0.64	0.27	0.61	0.29	0.58	0.53	0.58	0.22	0.54	0.29	0.64	0.63	0.29	0.69	0.33	0.61	0.04	0.17	0.07	0.57	0.75	0.74	0.74	0.83	0.81	0.82	0.85	0.90	0.93	0.89	0.81	0.76	0.83	0.80	0.76	0.74	0.81	0.62	0.59	1.00	1.00	1.00
7	20	17	0.64	0.19	0.52	0.46	0.75	0.33	0.66	0.36	0.68	0.64	0.62	0.43	0.65	0.50	0.65	0.63	0.34	0.65	0.38	0.60	0.13	0.19	0.09	0.37	0.60	0.59	0.59	0.70	0.74	0.73	0.76	0.80	0.81	0.77	0.64	0.68	0.64	0.63	0.68	0.62	0.73	0.48	0.34	1.00	1.00	1.00
7	20	18	0.67	0.23	0.41	0.48	0.82	0.43	0.69	0.46	0.70	0.66	0.64	0.52	0.67	0.58	0.61	0.59	0.35	0.63	0.22	0.60	0.19	0.23	0.12	0.14	0.38	0.38	0.37	0.58	0.56	0.55	0.57	0.56	0.57	0.55	0.34	0.42	0.46	0.36	0.42	0.42	0.58	0.26	0.08	1.00	1.00	1.00
7	20	19	0.64	0.27	0.37	0.46	0.85	0.76	0.75	0.54	0.67	0.63	0.66	0.59	0.64	0.64	0.56	0.54	0.38	0.58	0.19	0.59	0.08	0.27	0.16	0.01	0.13	0.12	0.12	0.27	0.29	0.15	0.16	0.14	0.32	0.24	0.12	0.14	0.15	0.10	0.14	0.17	0.27	0.03	0.00	1.00	1.00	1.00
7	20	20	0.64	0.31	0.45	0.48	0.86	0.97	0.77	0.58	0.67	0.63	0.66	0.59	0.64	0.63	0.57	0.55	0.40	0.64	0.32	0.58	0.21	0.31	0.20	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
7	20	21	0.63	0.30	0.48	0.44	0.85	0.90	0.74	0.57	0.66	0.62	0.65	0.56	0.63	0.61	0.57	0.55	0.57	0.68	0.34	0.59	0.49	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	22	0.58	0.28	0.46	0.38	0.83	0.76	0.70	0.56	0.62	0.58	0.61	0.54	0.59	0.60	0.56	0.54	0.72	0.67	0.35	0.58	0.45	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	23	0.44	0.32	0.50	0.37	0.82	0.65	0.66	0.57	0.48	0.43	0.54	0.41	0.44	0.48	0.51	0.49	0.61	0.70	0.34	0.58	0.53	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	20	24	0.41	0.30	0.43	0.38	0.82	0.44	0.60	0.59	0.45	0.40	0.48	0.19	0.42	0.25	0.46	0.44	0.52	0.73	0.24	0.60	0.58	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	1	0.39	0.25	0.34	0.38	0.81	0.70	0.56	0.58	0.44	0.38	0.44	0.15	0.40	0.23	0.43	0.41	0.34	0.73	0.14	0.54	0.58	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	2	0.31	0.23	0.29	0.31	0.80	0.65	0.47	0.50	0.36	0.30	0.38	0.11	0.31	0.18	0.41	0.39	0.19	0.67	0.14	0.51	0.48	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	3	0.23	0.17	0.26	0.24	0.79	0.60	0.39	0.37	0.29	0.22	0.33	0.12	0.24	0.20	0.40	0.38	0.12	0.64	0.10	0.44	0.42	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	4	0.19	0.12	0.25	0.19	0.79	0.59	0.28	0.29	0.25	0.18	0.26	0.08	0.20	0.15	0.36	0.34	0.12	0.62	0.12	0.28	0.44	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	5	0.12	0.07	0.18	0.15	0.78	0.59	0.20	0.24	0.17	0.11	0.24	0.11	0.13	0.18	0.28	0.26	0.06	0.60	0.13	0.22	0.46	0.07	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.03	0.01	0.07	1.00	1.00	1.00
7	21	6	0.05	0.05	0.04	0.12	0.74	0.59	0.15	0.15	0.10	0.04	0.22	0.08	0.06	0.16	0.17	0.15	0.03	0.50	0.12	0.18	0.59	0.05	0.00	0.00	0.13	0.29	0.13	0.19	0.09	0.12	0.20	0.10	0.23	0.30	0.35	0.26	0.15	0.16	0.25	0.34	0.35	0.14	0.36	1.00	1.00	1.00
7	21	7	0.01	0.02	0.00	0.04	0.66	0.22	0.07	0.02	0.07	0.01	0.18	0.04	0.02	0.11	0.11	0.09	0.03	0.31	0.12	0.10	0.58	0.02	0.00	0.03	0.35	0.51	0.35	0.55	0.39	0.48	0.53	0.49	0.59	0.62	0.64	0.49	0.49	0.49	0.48	0.62	0.59	0.32	0.52	1.00	1.00	1.00
7	21	8	0.07	0.01	0.00	0.03	0.58	0.12	0.02	0.00	0.13	0.06	0.14	0.05	0.08	0.12	0.12	0.10	0.02	0.37	0.13	0.14	0.26	0.01	0.00	0.23	0.56	0.69	0.55	0.80	0.60	0.69	0.73	0.74	0.82	0.80	0.79	0.74	0.64	0.71	0.73	0.77	0.73	0.50	0.69	1.00	1.00	1.00
7	21	9	0.09	0.06	0.00	0.05	0.47	0.10	0.00	0.00	0.15	0.08	0.12	0.04	0.10	0.11	0.15	0.13	0.02	0.41	0.13	0.17	0.11	0.06	0.00	0.46	0.73	0.82	0.72	0.92	0.81	0.81	0.85	0.88	0.94	0.92	0.88	0.85	0.86	0.84	0.84	0.82	0.83	0.75	0.74	1.00	1.00	1.00
7	21	10	0.07	0.12	0.00	0.08	0.36	0.09	0.00	0.00	0.13	0.06	0.11	0.04	0.08	0.11	0.19	0.16	0.01	0.38	0.13	0.18	0.02	0.12	0.03	0.64	0.84	0.85	0.82	0.97	0.88	0.87	0.90	0.96	1.00	0.97	0.93	0.93	0.91	0.90	0.92	0.85	0.88	0.74	0.67	1.00	1.00	1.00
7	21	11	0.06	0.15	0.00	0.13	0.28	0.09	0.00	0.00	0.11	0.05	0.11	0.06	0.07	0.13	0.24	0.21	0.02	0.31	0.11	0.21	0.00	0.15	0.05	0.73	0.88	0.82	0.86	0.95	0.90	0.89	0.92	0.98	1.00	0.93	0.96	0.87	0.91	0.94	0.86	0.80	0.87	0.76	0.51	1.00	1.00	1.00
7	21	12	0.09	0.17	0.02	0.18	0.21	0.09	0.00	0.05	0.14	0.08	0.12	0.06	0.10	0.13	0.29	0.27	0.04	0.23	0.13	0.26	0.07	0.17	0.07	0.78	0.88	0.85	0.86	0.96	0.88	0.87	0.90	0.98	1.00	0.94	0.94	0.85	0.76	0.91	0.84	0.81	0.88	0.86	0.52	1.00	1.00	1.00
7	21	13	0.16	0.25	0.04	0.23	0.17	0.10	0.00	0.13	0.22	0.15	0.12	0.06	0.17	0.13	0.32	0.30	0.07	0.22	0.17	0.31	0.03	0.25	0.13	0.79	0.87	0.79	0.85	0.92	0.86	0.84	0.88	0.96	0.99	0.92	0.93	0.82	0.86	0.84	0.81	0.82	0.83	0.78	0.34	1.00	1.00	1.00
7	21	14	0.16	0.15	0.08	0.27	0.20	0.12	0.03	0.20	0.22	0.15	0.11	0.07	0.17	0.14	0.35	0.33	0.12	0.21	0.30	0.25	0.06	0.15	0.06	0.75	0.85	0.72	0.83	0.94	0.85	0.84	0.88	0.96	0.99	0.85	0.92	0.85	0.91	0.72	0.84	0.66	0.85	0.76	0.18	1.00	1.00	1.00
7	21	15	0.20	0.17	0.14	0.29	0.27	0.16	0.09	0.26	0.25	0.19	0.16	0.09	0.21	0.16	0.40	0.38	0.14	0.15	0.27	0.24	0.17	0.17	0.07	0.69	0.82	0.69	0.80	0.94	0.85	0.83	0.87	0.95	0.97	0.81	0.89	0.84	0.85	0.82	0.83	0.60	0.85	0.68	0.26	1.00	1.00	1.00
7	21	16	0.28	0.18	0.19	0.30	0.41	0.24	0.19	0.35	0.33	0.27	0.34	0.11	0.29	0.18	0.42	0.40	0.16	0.27	0.32	0.41	0.40	0.18	0.08	0.56	0.74	0.58	0.73	0.89	0.82	0.80	0.84	0.91	0.92	0.88	0.64	0.85	0.79	0.79	0.84	0.42	0.78	0.56	0.16	1.00	1.00	1.00
7	21	17	0.27	0.19	0.22	0.31	0.59	0.28	0.30	0.46	0.32	0.26	0.49	0.25	0.28	0.32	0.39	0.37	0.16	0.44	0.50	0.25	0.48	0.19	0.09	0.37	0.61	0.48	0.60	0.84	0.74	0.71	0.75	0.79	0.80	0.72	0.53	0.73	0.69	0.65	0.72	0.35	0.73	0.42	0.10	1.00	1.00	1.00
7	21	18	0.31	0.23	0.24	0.33	0.73	0.34	0.41	0.56	0.36	0.30	0.55	0.43	0.32	0.49	0.35	0.33	0.16	0.39	0.38	0.20	0.37	0.23	0.12	0.15	0.40	0.32	0.39	0.69	0.58	0.54	0.57	0.55	0.54	0.50	0.44	0.51	0.45	0.38	0.50	0.17	0.56	0.25	0.01	1.00	1.00	1.00
7	21	19	0.48	0.28	0.25	0.36	0.82	0.64	0.56	0.66	0.52	0.47	0.59	0.55	0.48	0.60	0.31	0.29	0.14	0.32	0.39	0.24	0.55	0.28	0.17	0.01	0.13	0.09	0.12	0.34	0.24	0.16	0.18	0.07	0.28	0.21	0.14	0.18	0.14	0.11	0.18	0.06	0.25	0.04	0.00	1.00	1.00	1.00
7	21	20	0.62	0.30	0.24	0.49	0.87	0.93	0.62	0.70	0.65	0.61	0.63	0.55	0.62	0.60	0.34	0.32	0.13	0.33	0.34	0.27	0.42	0.30	0.19	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
7	21	21	0.59	0.22	0.23	0.47	0.90	0.82	0.63	0.64	0.63	0.59	0.60	0.55	0.60	0.60	0.39	0.37	0.10	0.44	0.23	0.30	0.35	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	22	0.54	0.15	0.22	0.38	0.89	0.77	0.60	0.61	0.58	0.54	0.53	0.50	0.55	0.56	0.41	0.39	0.08	0.62	0.22	0.36	0.24	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	23	0.53	0.13	0.25	0.34	0.88	0.71	0.52	0.61	0.57	0.53	0.48	0.40	0.54	0.47	0.39	0.37	0.07	0.72	0.22	0.42	0.18	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	21	24	0.49	0.14	0.19	0.34	0.86	0.69	0.37	0.59	0.53	0.49	0.43	0.23	0.50	0.30	0.37	0.34	0.09	0.70	0.16	0.40	0.15	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	1	0.47	0.17	0.16	0.33	0.83	0.84	0.28	0.56	0.52	0.46	0.35	0.15	0.48	0.22	0.37	0.35	0.15	0.67	0.13	0.38	0.14	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	2	0.43	0.12	0.24	0.27	0.80	0.78	0.21	0.53	0.48	0.43	0.30	0.08	0.44	0.15	0.35	0.33	0.15	0.75	0.11	0.30	0.10	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	3	0.36	0.08	0.27	0.17	0.76	0.74	0.15	0.48	0.41	0.36	0.22	0.01	0.37	0.08	0.33	0.31	0.14	0.74	0.09	0.22	0.13	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	4	0.33	0.09	0.25	0.10	0.73	0.70	0.11	0.43	0.38	0.32	0.22	0.00	0.34	0.06	0.29	0.27	0.12	0.75	0.09	0.18	0.18	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	5	0.34	0.06	0.22	0.07	0.73	0.68	0.07	0.32	0.40	0.33	0.18	0.00	0.35	0.06	0.22	0.20	0.08	0.66	0.15	0.16	0.20	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	1.00	1.00	1.00
7	22	6	0.17	0.05	0.17	0.05	0.70	0.40	0.04	0.24	0.23	0.16	0.12	0.00	0.18	0.04	0.15	0.13	0.04	0.41	0.15	0.08	0.13	0.05	0.00	0.00	0.09	0.18	0.09	0.24	0.07	0.10	0.18	0.07	0.19	0.25	0.24	0.11	0.00	0.11	0.10	0.08	0.27	0.09	0.18	1.00	1.00	1.00
7	22	7	0.10	0.07	0.11	0.01	0.63	0.12	0.03	0.12	0.15	0.09	0.06	0.00	0.11	0.02	0.08	0.06	0.02	0.34	0.06	0.02	0.03	0.07	0.00	0.02	0.28	0.35	0.28	0.59	0.46	0.47	0.53	0.40	0.58	0.49	0.55	0.25	0.01	0.27	0.25	0.24	0.44	0.26	0.29	1.00	1.00	1.00
7	22	8	0.08	0.07	0.08	0.01	0.54	0.09	0.01	0.01	0.14	0.07	0.04	0.00	0.09	0.03	0.06	0.04	0.02	0.27	0.02	0.01	0.01	0.07	0.00	0.18	0.46	0.55	0.45	0.79	0.69	0.69	0.73	0.71	0.82	0.70	0.41	0.43	0.14	0.49	0.43	0.51	0.59	0.50	0.38	1.00	1.00	1.00
7	22	9	0.07	0.05	0.06	0.01	0.39	0.07	0.01	0.00	0.13	0.06	0.02	0.00	0.08	0.03	0.07	0.05	0.02	0.26	0.01	0.01	0.00	0.05	0.00	0.34	0.54	0.65	0.53	0.90	0.80	0.81	0.84	0.88	0.94	0.75	0.06	0.45	0.21	0.42	0.45	0.52	0.62	0.67	0.53	1.00	1.00	1.00
7	22	10	0.02	0.05	0.03	0.01	0.28	0.13	0.01	0.00	0.08	0.01	0.01	0.00	0.03	0.03	0.08	0.06	0.01	0.11	0.03	0.02	0.02	0.05	0.00	0.52	0.69	0.69	0.68	0.96	0.88	0.87	0.90	0.95	0.99	0.83	0.70	0.54	0.33	0.44	0.53	0.64	0.68	0.70	0.37	1.00	1.00	1.00
7	22	11	0.00	0.06	0.01	0.01	0.17	0.16	0.05	0.00	0.02	0.00	0.01	0.00	0.00	0.03	0.10	0.08	0.01	0.02	0.14	0.03	0.07	0.06	0.00	0.60	0.72	0.67	0.71	0.97	0.89	0.88	0.92	0.98	1.00	0.84	0.51	0.46	0.44	0.54	0.46	0.46	0.53	0.77	0.53	1.00	1.00	1.00
7	22	12	0.01	0.10	0.00	0.04	0.11	0.17	0.09	0.01	0.07	0.01	0.01	0.00	0.02	0.04	0.12	0.10	0.01	0.13	0.30	0.03	0.06	0.10	0.01	0.64	0.72	0.66	0.71	0.96	0.88	0.87	0.90	0.97	1.00	0.67	0.34	0.57	0.50	0.57	0.56	0.51	0.56	0.68	0.46	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
7	22	13	0.06	0.12	0.01	0.07	0.11	0.18	0.14	0.05	0.11	0.05	0.03	0.00
7	22	14	0.21	0.13	0.05	0.08	0.19	0.20	0.23	0.14	0.26	0.20	0.01	0.00
7	22	15	0.36	0.15	0.12	0.08	0.38	0.22	0.33	0.28	0.41	0.35	0.06	0.03
7	22	16	0.40	0.17	0.20	0.10	0.54	0.30	0.42	0.46	0.44	0.39	0.18	0.04
7	22	17	0.60	0.20	0.27	0.12	0.73	0.38	0.52	0.60	0.64	0.59	0.31	0.12
7	22	18	0.51	0.21	0.33	0.15	0.81	0.56	0.60	0.67	0.55	0.51	0.28	0.34
7	22	19	0.46	0.25	0.42	0.24	0.85	0.83	0.69	0.74	0.50	0.45	0.27	0.44
7	22	20	0.34	0.28	0.43	0.35	0.87	0.97	0.76	0.75	0.39	0.33	0.29	0.49
7	22	21	0.40	0.32	0.40	0.30	0.87	0.92	0.79	0.72	0.45	0.39	0.36	0.30
7	22	22	0.33	0.29	0.45	0.24	0.86	0.85	0.76	0.71	0.38	0.32	0.26	0.14
7	22	23	0.32	0.30	0.45	0.23	0.85	0.77	0.72	0.71	0.37	0.31	0.12	0.07
7	22	24	0.34	0.30	0.39	0.23	0.83	0.83	0.68	0.67	0.38	0.33	0.11	0.14
7	23	1	0.41	0.27	0.34	0.24	0.81	0.57	0.59	0.66	0.46	0.40	0.07	0.15
7	23	2	0.41	0.19	0.33	0.22	0.79	0.56	0.47	0.65	0.46	0.40	0.05	0.16
7	23	3	0.29	0.13	0.40	0.16	0.77	0.65	0.37	0.45	0.34	0.28	0.03	0.09
7	23	4	0.28	0.08	0.34	0.12	0.74	0.42	0.29	0.19	0.33	0.27	0.01	0.01
7	23	5	0.36	0.04	0.32	0.08	0.72	0.26	0.23	0.21	0.41	0.35	0.01	0.00
7	23	6	0.28	0.03	0.29	0.05	0.65	0.36	0.17	0.10	0.34	0.27	0.00	0.00
7	23	7	0.17	0.02	0.20	0.02	0.48	0.19	0.10	0.01	0.23	0.16	0.00	0.00
7	23	8	0.07	0.01	0.20	0.01	0.39	0.13	0.09	0.00	0.13	0.06	0.00	0.00
7	23	9	0.02	0.02	0.25	0.01	0.29	0.08	0.09	0.00	0.07	0.01	0.00	0.00
7	23	10	0.00	0.04	0.20	0.01	0.23	0.05	0.12	0.00	0.05	0.00	0.00	0.00
7	23	11	0.00	0.06	0.16	0.01	0.27	0.03	0.15	0.00	0.05	0.00	0.00	0.00
7	23	12	0.06	0.09	0.19	0.02	0.26	0.05	0.21	0.00	0.12	0.05	0.01	0.00
7	23	13	0.05	0.12	0.33	0.05	0.27	0.06	0.27	0.01	0.10	0.04	0.04	0.00
7	23	14	0.12	0.15	0.53	0.07	0.32	0.08	0.34	0.16	0.17	0.11	0.23	0.06
7	23	15	0.25	0.18	0.57	0.11	0.38	0.11	0.44	0.46	0.30	0.24	0.33	0.10
7	23	16	0.36	0.20	0.60	0.17	0.51	0.21	0.52	0.72	0.41	0.35	0.23	0.17
7	23	17	0.36	0.20	0.72	0.30	0.61	0.45	0.59	0.83	0.41	0.35	0.37	0.33
7	23	18	0.40	0.21	0.80	0.41	0.66	0.51	0.63	0.88	0.45	0.39	0.52	0.51
7	23	19	0.55	0.30	0.81	0.47	0.72	0.69	0.69	0.87	0.59	0.54	0.58	0.63
7	23	20	0.54	0.35	0.86	0.53	0.78	0.86	0.73	0.80	0.58	0.53	0.59	0.60
7	23	21	0.51	0.34	0.75	0.52	0.80	0.87	0.70	0.72	0.55	0.51	0.48	0.53
7	23	22	0.50	0.43	0.77	0.50	0.80	0.86	0.67	0.67	0.54	0.49	0.49	0.57
7	23	23	0.47	0.56	0.67	0.41	0.80	0.87	0.59	0.61	0.52	0.47	0.49	0.68
7	23	24	0.46	0.45	0.63	0.27	0.80	0.72	0.48	0.48	0.51	0.45	0.43	0.62
7	24	1	0.36	0.31	0.54	0.25	0.82	0.56	0.42	0.40	0.41	0.35	0.36	0.32
7	24	2	0.26	0.23	0.56	0.20	0.82	0.54	0.34	0.37	0.31	0.25	0.35	0.13
7	24	3	0.19	0.36	0.69	0.16	0.83	0.35	0.23	0.34	0.25	0.18	0.32	0.10
7	24	4	0.13	0.43	0.77	0.10	0.83	0.38	0.16	0.29	0.18	0.12	0.26	0.06
7	24	5	0.06	0.42	0.59	0.08	0.81	0.32	0.12	0.23	0.12	0.05	0.25	0.05
7	24	6	0.05	0.31	0.53	0.06	0.77	0.36	0.10	0.12	0.11	0.04	0.23	0.04
7	24	7	0.10	0.18	0.45	0.02	0.66	0.12	0.08	0.01	0.16	0.09	0.18	0.03
7	24	8	0.12	0.10	0.35	0.01	0.56	0.05	0.07	0.00	0.18	0.11	0.16	0.09
7	24	9	0.09	0.04	0.22	0.01	0.50	0.02	0.07	0.00	0.15	0.08	0.16	0.14
7	24	10	0.05	0.02	0.13	0.01	0.47	0.01	0.09	0.00	0.11	0.04	0.19	0.14
7	24	11	0.01	0.04	0.07	0.01	0.43	0.03	0.11	0.00	0.07	0.00	0.20	0.21
7	24	12	0.04	0.08	0.02	0.03	0.45	0.04	0.16	0.00	0.10	0.03	0.16	0.31
7	24	13	0.09	0.12	0.03	0.05	0.54	0.05	0.20	0.06	0.14	0.08	0.20	0.38
7	24	14	0.19	0.16	0.04	0.09	0.64	0.06	0.24	0.20	0.25	0.18	0.27	0.20
7	24	15	0.28	0.19	0.05	0.13	0.72	0.14	0.29	0.32	0.33	0.27	0.37	0.08
7	24	16	0.29	0.18	0.12	0.19	0.77	0.30	0.36	0.38	0.34	0.29	0.20	0.11
7	24	17	0.50	0.17	0.22	0.29	0.79	0.45	0.44	0.45	0.54	0.49	0.05	0.12
7	24	18	0.64	0.16	0.32	0.44	0.82	0.55	0.50	0.54	0.68	0.63	0.01	0.14
7	24	19	0.51	0.14	0.44	0.42	0.84	0.77	0.58	0.54	0.55	0.50	0.04	0.26
7	24	20	0.50	0.12	0.55	0.51	0.87	0.93	0.61	0.53	0.54	0.50	0.13	0.36
7	24	21	0.72	0.13	0.57	0.51	0.87	0.90	0.58	0.47	0.75	0.71	0.18	0.37
7	24	22	0.58	0.18	0.46	0.44	0.87	0.92	0.52	0.41	0.61	0.57	0.20	0.33
7	24	23	0.35	0.21	0.33	0.44	0.86	0.92	0.46	0.36	0.40	0.34	0.18	0.30
7	24	24	0.31	0.27	0.22	0.41	0.83	0.87	0.41	0.32	0.36	0.30	0.16	0.26
7	25	1	0.29	0.24	0.20	0.34	0.81	0.77	0.37	0.24	0.34	0.28	0.16	0.18
7	25	2	0.19	0.15	0.19	0.27	0.78	0.78	0.33	0.21	0.25	0.18	0.16	0.12
7	25	3	0.12	0.08	0.14	0.22	0.77	0.44	0.30	0.19	0.18	0.11	0.13	0.11
7	25	4	0.08	0.09	0.08	0.18	0.74	0.26	0.24	0.14	0.14	0.07	0.12	0.08
7	25	5	0.03	0.09	0.02	0.14	0.68	0.26	0.20	0.09	0.09	0.03	0.13	0.06
7	25	6	0.01	0.08	0.00	0.11	0.57	0.22	0.16	0.04	0.06	0.00	0.13	0.06
7	25	7	0.03	0.06	0.00	0.04	0.48	0.10	0.12	0.00	0.09	0.02	0.05	0.04
7	25	8	0.05	0.04	0.00	0.02	0.40	0.03	0.09	0.00	0.11	0.04	0.04	0.07
7	25	9	0.02	0.03	0.00	0.03	0.30	0.04	0.08	0.00	0.07	0.01	0.02	0.06
7	25	10	0.00	0.04	0.00	0.04	0.26	0.04	0.08	0.00	0.04	0.00	0.04	0.04
7	25	11	0.00	0.06	0.00	0.06	0.27	0.03	0.09	0.00	0.04	0.00	0.06	0.03
7	25	12	0.04	0.07	0.00	0.10	0.29	0.04	0.11	0.01	0.09	0.03	0.04	0.04
7	25	13	0.17	0.11	0.00	0.14	0.29	0.07	0.14	0.09	0.22	0.16	0.03	0.15
7	25	14	0.44	0.13	0.00	0.17	0.36	0.13	0.19	0.22	0.49	0.43	0.03	0.36
7	25	15	0.25	0.14	0.00	0.18	0.47	0.23	0.22	0.34	0.30	0.24	0.07	0.09
7	25	16	0.18	0.18	0.00	0.20	0.56	0.30	0.28	0.41	0.23	0.17	0.16	0.06
7	25	17	0.39	0.21	0.00	0.22	0.64	0.45	0.36	0.50	0.45	0.39	0.31	0.10
7	25	18	0.49	0.25	0.01	0.23	0.73	0.49	0.40	0.60	0.53	0.48	0.23	0.22
7	25	19	0.50	0.31	0.02	0.33	0.81	0.83	0.41	0.64	0.54	0.49	0.16	0.32
7	25	20	0.41	0.41	0.08	0.48	0.85	0.95	0.39	0.65	0.46	0.41	0.24	0.39
7	25	21	0.43	0.53	0.15	0.46	0.84	0.90	0.40	0.63	0.47	0.42	0.30	0.33
7	25	22	0.50	0.60	0.21	0.36	0.81	0.86	0.37	0.60	0.54	0.49	0.31	0.30
7	25	23	0.43	0.50	0.21	0.34	0.76	0.77	0.32	0.58	0.48	0.42	0.28	0.30
7	25	24	0.34	0.42	0.22	0.33	0.72	0.56	0.30	0.53	0.39	0.33	0.24	0.24
7	26	1	0.25	0.38	0.24	0.28	0.66	0.53	0.28	0.46	0.30	0.24	0.25	0.20
7	26	2	0.19	0.34	0.27	0.22	0.60	0.54	0.23	0.40	0.24	0.18	0.22	0.12
7	26	3	0.16	0.40	0.29	0.17	0.50	0.52	0.19	0.31	0.22	0.15	0.19	0.04
7	26	4	0.14	0.43	0.27	0.12	0.38	0.59	0.17	0.26	0.21	0.14	0.15	0.00
7	26	5	0.04	0.46	0.24	0.09	0.31	0.59	0.17	0.21	0.10	0.03	0.10	0.00
7	26	6	0.01	0.34	0.19	0.06	0.24	0.49	0.14	0.13	0.07	0.01	0.06	0.00
7	26	7	0.00	0.30	0.12	0.03	0.16	0.15	0.11	0.03	0.01	0.00	0.02	0.00
7	26	8	0.00	0.18	0.09	0.01	0.08	0.04	0.08	0.00	0.03	0.00	0.00	0.00
7	26	9	0.00	0.10	0.07	0.01	0.01	0.06	0.08	0.00	0.01	0.00	0.00	0.00
7	26	10	0.00	0.07	0.04	0.02	0.00	0.04	0.09	0.00	0.00	0.00	0.00	0.00
7	26	11	0.00	0.03	0.02	0.05	0.00	0.03	0.10	0.00	0.01	0.00	0.00	0.00
7	26	12	0.00	0.01	0.02	0.08	0.00	0.03	0.11	0.01	0.02	0.00	0.00	0.00
7	26	13	0.00	0.11	0.02	0.12	0.00	0.04	0.12	0.06	0.03	0.00	0.00	0.00
7	26	14	0.07	0.31	0.05	0.16	0.01	0.04	0.15	0.16	0.12	0.06	0.00	0.01
7	26	15	0.23	0.37	0.11	0.18	0.05	0.10	0.18	0.29	0.29	0.22	0.02	0.03
7	26	16	0.24	0.21	0.23	0.20	0.16	0.14	0.24	0.41	0.29	0.23	0.10	0.08
7	26	17	0.25	0.19	0.44	0.20	0.29	0.28	0.32	0.56	0.30	0.24	0.36	0.32
7	26	18	0.28	0.32	0.66	0.20	0.43	0.49	0.40	0.66	0.33	0.27	0.55	0.30
7	26	19	0.40	0.27	0.71	0.26	0.62	0.84	0.46	0.69	0.45	0.39	0.67	0.38
7	26	20	0.46	0.34	0.70	0.38	0.77	0.93	0.45	0.68	0.50	0.45	0.68	0.31
7	26	21	0.43	0.35	0.71	0.37	0.80	0.89	0.47	0.64	0.48	0.42	0.60	0.39
7	26	22	0.40	0.31	0.63	0.24	0.79	0.87	0.49	0.60	0.45	0.40	0.64	0.49
7	26	23	0.36	0.20	0.52	0.22	0.76	0.78	0.48	0.59	0.41	0.35	0.60	0.50
7	26	24	0.31	0.10	0.53	0.23	0.73	0.64	0.47	0.55	0.36	0.30	0.53	0.48
7	27	1	0.27	0.09	0.56	0.22	0.70	0.51	0.42	0.51	0.32	0.26	0.47	0.46
7	27	2	0.23	0.13	0.54	0.17	0.61	0.44	0.37	0.48	0.29	0.22	0.41	0.42
7	27	3	0.24	0.10	0.55	0.11	0.52	0.50	0.32	0.44	0.30	0.23	0.36	0.39
7	27	4	0.18	0.08	0.53	0.07	0.48	0.50	0.27	0.37	0.24	0.17	0.27	0.34
7	27	5	0.09	0.07	0.49	0.03	0.43	0.49	0.24	0.28	0.15	0.08	0.20	0.30
7	27	6	0.03	0.07	0.43	0.02	0.37	0.43	0.20	0.20	0.09	0.02	0.16	0.18
7	27	7	0.00	0.02	0.34	0.01	0.22	0.16	0.16	0.09	0.03	0.00	0.10	0.04
7	27	8	0.00	0.01	0.30	0.01	0.04	0.06	0.16	0.01	0.02	0.00	0.08	0.02
7	27	9	0.00	0.02	0.24	0.01	0.00	0.07	0.13	0.00	0.01	0.00	0.06	0.01
7	27	10	0.00	0.02	0.19	0.01	0.00	0.04	0.13	0.00	0.00	0.00	0.03	0.00
7	27	11	0.00	0.03	0.14	0.03	0.00	0.04	0.13	0.00	0.01	0.00	0.01	0.00
7	27	12	0.00	0.04	0.10	0.06	0.00	0.04	0.15	0.01	0.03	0.00	0.02	0.00
7	27	13	0.00	0.17	0.14	0.10	0.00	0.06	0.15	0.06	0.04	0.00	0.04	0.00
7	27	14	0.01	0.24	0.20	0.13	0.00	0.10	0.17	0.19	0.06	0.00	0.13	0.01
7	27	15	0.09	0.15	0.31	0.14	0.02	0.12	0.21	0.35	0.15	0.08	0.33	0.08
7	27	16	0.19	0.10	0.43	0.16	0.14	0.18	0.26	0.49	0.25	0.18	0.50	0.27
7	27	17	0.28	0.06	0.52	0.18	0.32	0.26	0.32	0.63	0.33	0.27	0.55	0.43
7	27	18	0.48	0.14	0.57	0.18	0.49	0.37	0.39	0.72	0.52	0.47	0.57	0.50
7	27	19	0.58	0.19	0.60	0.26	0.69	0.80	0.47	0.77	0.62	0.58	0.55	0.61
7	27	20	0.58	0.18	0.63	0.37	0.82	0.88	0.46	0.77	0.62	0.58	0.60	0.72
7	27	21	0.53	0.14	0.69	0.35	0.83	0.88	0.44	0.73	0.57	0.53	0.64	0.63
7	27	22	0.52	0.26	0.73	0.23	0.80	0.86	0.42	0.70	0.56	0.51	0.63	0.59
7	27	23	0.47	0.25	0.73	0.19	0.77	0.75	0.37	0.71	0.52	0.47	0.59	0.60
7	27	24	0.45	0.16	0.70	0.21	0.75	0.69	0.35	0.71	0.49	0.44	0.53	0.57
7	28	1	0.42	0.08	0.68	0.22	0.74	0.37	0.35	0.70	0.47	0.41	0.43	0.53
7	28	2	0.35	0.05	0.68	0.17	0.70	0.36	0.30	0.66	0.40	0.34	0.36	0.52
7	28	3	0.36	0.03	0.70	0.13	0.64	0.52	0.22	0.63	0.41	0.35	0.29	0.47

Month	Day	Hour	Wind (cont.)											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
7	22	13	0.07	0.05	0.13	0.11	0.00	0.35	0.22	0.17	0.05	0.12	0.03	0.69	0.77	0.68	0.75	0.94	0.85	0.84	0.88
7	22	14	0.22	0.07	0.15	0.13	0.01	0.39	0.24	0.19	0.09	0.13	0.04	0.68	0.76	0.68	0.75	0.92	0.85	0.83	0.87
7	22	15	0.37	0.11	0.18	0.16	0.01	0.51	0.37	0.18	0.02	0.15	0.05	0.56	0.67	0.59	0.66	0.91	0.83	0.83	0.87
7	22	16	0.41	0.11	0.20	0.18	0.02	0.57	0.49	0.19	0.10	0.17	0.06	0.45	0.59	0.51	0.58	0.89	0.80	0.80	0.84
7	22	17	0.60	0.19	0.23	0.21	0.03	0.32	0.58	0.18	0.29	0.20	0.09	0.27	0.43	0.39	0.42	0.82	0.72	0.71	0.74
7	22	18	0.52	0.41	0.25	0.23	0.10	0.15	0.53	0.04	0.30	0.21	0.10	0.10	0.27	0.26	0.26	0.68	0.55	0.53	0.55
7	22	19	0.46	0.50	0.26	0.24	0.23	0.21	0.48	0.09	0.23	0.25	0.14	0.01	0.07	0.05	0.07	0.32	0.18	0.06	0.20
7	22	20	0.35	0.56	0.29	0.26	0.23	0.38	0.33	0.15	0.17	0.28	0.17	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
7	22	21	0.41	0.36	0.26	0.24	0.20	0.18	0.22	0.20	0.05	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	22	22	0.34	0.21	0.26	0.24	0.22	0.41	0.38	0.17	0.00	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	22	23	0.33	0.14	0.26	0.23	0.33	0.34	0.37	0.11	0.00	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	22	24	0.34	0.21	0.24	0.21	0.30	0.11	0.29	0.09	0.00	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	1	0.42	0.22	0.22	0.20	0.26	0.06	0.18	0.09	0.04	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	2	0.41	0.24	0.18	0.16	0.28	0.05	0.11	0.04	0.08	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	3	0.29	0.16	0.14	0.12	0.22	0.10	0.09	0.00	0.11	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	4	0.29	0.07	0.13	0.11	0.28	0.21	0.06	0.00	0.14	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	5	0.37	0.04	0.10	0.08	0.32	0.24	0.05	0.00	0.11	0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
7	23	6	0.29	0.03	0.07	0.05	0.19	0.20	0.04	0.00	0.05	0.03	0.00	0.00	0.05	0.19	0.05	0.23	0.06	0.06	0.04
7	23	7	0.18	0.01	0.04	0.03	0.09	0.15	0.03	0.00	0.02	0.02	0.00	0.02	0.18	0.36	0.18	0.58	0.42	0.44	0.17
7	23	8	0.08	0.02	0.03	0.02	0.06	0.16	0.08	0.01	0.00	0.01	0.00	0.14	0.32	0.54	0.32	0.78	0.60	0.60	0.30
7	23	9	0.03	0.02	0.04	0.02	0.06	0.17	0.19	0.01	0.00	0.02	0.00	0.31	0.48	0.68	0.47	0.89	0.78	0.64	0.43
7	23	10	0.00	0.02	0.04	0.03	0.04	0.16	0.26	0.03	0.02	0.04	0.00	0.48	0.62	0.74	0.61	0.94	0.86	0.79	0.61
7	23	11	0.00	0.02	0.06	0.04	0.04	0.17	0.28	0.02	0.09	0.06	0.00	0.56	0.67	0.78	0.66	0.96	0.83	0.70	0.52
7	23	12	0.07	0.03	0.09	0.07	0.11	0.31	0.34	0.02	0.05	0.09	0.01	0.60	0.67	0.75	0.66	0.95	0.80	0.43	0.45
7	23	13	0.06	0.05	0.14	0.12	0.20	0.54	0.33	0.08	0.00	0.12	0.03	0.60	0.67	0.70	0.65	0.92	0.79	0.45	0.48
7	23	14	0.13	0.13	0.22	0.20	0.52	0.41	0.41	0.07	0.00	0.15	0.05	0.54	0.61	0.64	0.60	0.88	0.75	0.30	0.45
7	23	15	0.26	0.17	0.33	0.31	0.58	0.55	0.41	0.05	0.08	0.18	0.07	0.47	0.56	0.59	0.55	0.87	0.73	0.33	0.32
7	23	16	0.37	0.24	0.42	0.40	0.68	0.51	0.48	0.07	0.36	0.20	0.09	0.38	0.50	0.46	0.49	0.85	0.60	0.34	0.27
7	23	17	0.37	0.40	0.53	0.51	0.30	0.33	0.44	0.07	0.58	0.20	0.09	0.26	0.41	0.34	0.40	0.71	0.57	0.31	0.21
7	23	18	0.41	0.56	0.64	0.63	0.17	0.34	0.45	0.12	0.44	0.21	0.11	0.11	0.27	0.18	0.27	0.52	0.40	0.27	0.19
7	23	19	0.55	0.68	0.70	0.69	0.23	0.37	0.47	0.28	0.27	0.30	0.19	0.01	0.08	0.03	0.08	0.22	0.12	0.07	0.02
7	23	20	0.55	0.65	0.65	0.63	0.38	0.39	0.57	0.34	0.04	0.35	0.24	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
7	23	21	0.52	0.58	0.57	0.56	0.28	0.45	0.62	0.25	0.01	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	22	0.50	0.61	0.52	0.51	0.20	0.48	0.66	0.32	0.00	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	23	0.48	0.72	0.51	0.49	0.46	0.54	0.70	0.50	0.02	0.56	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	23	24	0.47	0.67	0.46	0.44	0.60	0.70	0.73	0.50	0.05	0.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	1	0.37	0.39	0.38	0.36	0.65	0.69	0.66	0.31	0.13	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	2	0.27	0.20	0.37	0.35	0.48	0.65	0.53	0.25	0.14	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	3	0.20	0.18	0.34	0.31	0.53	0.63	0.37	0.16	0.14	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	4	0.14	0.13	0.31	0.29	0.55	0.66	0.26	0.05	0.12	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	5	0.07	0.12	0.27	0.25	0.57	0.67	0.18	0.01	0.08	0.42	0.31	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
7	24	6	0.06	0.12	0.19	0.16	0.57	0.64	0.10	0.00	0.05	0.31	0.20	0.00	0.09	0.12	0.09	0.13	0.01	0.02	0.09
7	24	7	0.11	0.09	0.10	0.08	0.48	0.65	0.05	0.00	0.01	0.18	0.08	0.03	0.28	0.25	0.27	0.44	0.08	0.11	0.39
7	24	8	0.13	0.16	0.06	0.04	0.31	0.63	0.06	0.00	0.00	0.10	0.02	0.22	0.48	0.44	0.47	0.64	0.15	0.40	0.56
7	24	9	0.10	0.22	0.03	0.02	0.19	0.48	0.09	0.01	0.00	0.04	0.00	0.43	0.66	0.50	0.64	0.76	0.37	0.49	0.81
7	24	10	0.06	0.21	0.03	0.01	0.22	0.36	0.08	0.07	0.00	0.02	0.00	0.59	0.76	0.59	0.75	0.85	0.62	0.62	0.89
7	24	11	0.02	0.28	0.02	0.01	0.19	0.28	0.09	0.20	0.02	0.04	0.00	0.67	0.79	0.57	0.78	0.84	0.62	0.77	0.91
7	24	12	0.05	0.38	0.03	0.02	0.24	0.23	0.14	0.34	0.11	0.08	0.00	0.69	0.78	0.64	0.76	0.80	0.76	0.81	0.82
7	24	13	0.10	0.46	0.03	0.02	0.18	0.26	0.22	0.32	0.15	0.12	0.03	0.70	0.77	0.56	0.76	0.75	0.82	0.83	0.74
7	24	14	0.20	0.27	0.04	0.03	0.07	0.26	0.18	0.23	0.22	0.16	0.06	0.67	0.76	0.54	0.75	0.68	0.84	0.83	0.69
7	24	15	0.29	0.15	0.05	0.03	0.02	0.22	0.18	0.22	0.13	0.19	0.08	0.59	0.70	0.46	0.69	0.65	0.84	0.78	0.74
7	24	16	0.30	0.19	0.06	0.04	0.02	0.25	0.23	0.17	0.11	0.18	0.08	0.50	0.66	0.39	0.64	0.64	0.80	0.79	0.78
7	24	17	0.51	0.19	0.07	0.05	0.04	0.34	0.26	0.16	0.23	0.17	0.07	0.32	0.52	0.30	0.51	0.66	0.73	0.71	0.64
7	24	18	0.65	0.21	0.10	0.08	0.04	0.31	0.31	0.15	0.32	0.16	0.06	0.13	0.34	0.19	0.33	0.55	0.57	0.54	0.44
7	24	19	0.52	0.34	0.16	0.14	0.10	0.47	0.41	0.13	0.27	0.14	0.04	0.01	0.11	0.04	0.11	0.26	0.22	0.11	0.19
7	24	20	0.51	0.43	0.21	0.18	0.19	0.66	0.58	0.11	0.24	0.12	0.03	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.00
7	24	21	0.72	0.44	0.21	0.19	0.05	0.79	0.56	0.14	0.22	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	22	0.58	0.39	0.20	0.18	0.10	0.78	0.44	0.12	0.38	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	23	0.36	0.37	0.15	0.13	0.18	0.62	0.34	0.09	0.53	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	24	24	0.32	0.33	0.10	0.08	0.15	0.57	0.29	0.04	0.31	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	1	0.30	0.25	0.06	0.04	0.09	0.70	0.36	0.12	0.05	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	2	0.20	0.20	0.03	0.02	0.07	0.73	0.49	0.13	0.02	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	3	0.13	0.19	0.04	0.02	0.08	0.76	0.53	0.10	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	4	0.09	0.16	0.03	0.01	0.11	0.73	0.61	0.02	0.04	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	5	0.04	0.13	0.02	0.01	0.14	0.69	0.71	0.00	0.02	0.09	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
7	25	6	0.02	0.13	0.02	0.01	0.10	0.61	0.60	0.01	0.00	0.08	0.00	0.00	0.12	0.15	0.12	0.20	0.05	0.07	0.16
7	25	7	0.04	0.10	0.02	0.01	0.09	0.53	0.58	0.04	0.00	0.06	0.00	0.03	0.34	0.34	0.33	0.56	0.36	0.47	0.50
7	25	8	0.06	0.15	0.01	0.00	0.11	0.45	0.48	0.07	0.00	0.04	0.00	0.23	0.55	0.51	0.54	0.77	0.58	0.68	0.71
7	25	9	0.03	0.13	0.02	0.01	0.11	0.26	0.28	0.05	0.00	0.03	0.00	0.46	0.72	0.69	0.71	0.88	0.71	0.80	0.79
7	25	10	0.00	0.11	0.03	0.02	0.38	0.15	0.11	0.09	0.00	0.04	0.00	0.61	0.81	0.77	0.79	0.91	0.84	0.86	0.85
7	25	11	0.00	0.10	0.04	0.02	0.44	0.11	0.10	0.09	0.01	0.06	0.00	0.68	0.82	0.75	0.80	0.92	0.90	0.87	0.85
7	25	12	0.04	0.10	0.06	0.04	0.15	0.19	0.16	0.08	0.05	0.07	0.00	0.74	0.83	0.66	0.82	0.89	0.89	0.86	0.77
7	25	13	0.18	0.22	0.09	0.07	0.05	0.38	0.24	0.03	0.05	0.11	0.02	0.73	0.81	0.62	0.79	0.90	0.86	0.83	0.78
7	25	14	0.45	0.45	0.12	0.10	0.08	0.52	0.49	0.02	0.13	0.13	0.04	0.70	0.79	0.57	0.77	0.87	0.85	0.83	0.80
7	25	15	0.26	0.15	0.11	0.09	0.09	0.23	0.52	0.04	0.50	0.14	0.04	0.61	0.73	0.48	0.71	0.91	0.84	0.82	0.76
7	25	16	0.19	0.13	0.10	0.08	0.03	0.03	0.40	0.07	0.58	0.18	0.07	0.48	0.64	0.51	0.62	0.84	0.80	0.79	0.76
7	25	17	0.40	0.17	0.09	0.07	0.14	0.07	0.29	0.07	0.41	0.21	0.11	0.31	0.50	0.41	0.49	0.76	0.71	0.70	0.64
7	25	18	0.50	0.29	0.10	0.08	0.24	0.09	0.31	0.07	0.32	0.25	0.14	0.13	0.32	0.23	0.31	0.65	0.48	0.52	0.48
7	25	19	0.51	0.39	0.15	0.13	0.04	0.09	0.21	0.13	0.34	0.31	0.20	0.01	0.09	0.04	0.09	0.28	0.18	0.07	0.13
7	25	20	0.42	0.46	0.20	0.18	0.08	0.04	0.15	0.21	0.32	0.41	0.30	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
7	25	21	0.43	0.40	0.17	0.14	0.33	0.08	0.18	0.22	0.23	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	22	0.50	0.37	0.13	0.11	0.34	0.14	0.17	0.17	0.16	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	23	0.44	0.37	0.14	0.11	0.18	0.04	0.14	0.13	0.13	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	25	24	0.35	0.31	0.11	0.09	0.07	0.01	0.10	0.12	0.13	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	1	0.26	0.28	0.10	0.08	0.02	0.02	0.11	0.09	0.14	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	2	0.20	0.19	0.10	0.08	0.01	0.03	0.07	0.05	0.12	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	3	0.17	0.11	0.10	0.08	0.00	0.08	0.04	0.03	0.14	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	4	0.16	0.07	0.09	0.08	0.00	0.04	0.02	0.02	0.18	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	5	0.05	0.06	0.07	0.06	0.00	0.03	0.02	0.01	0.17	0.47	0.36	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
7	26	6	0.02	0.05	0.06	0.04	0.00	0.02	0.01	0.00	0.13	0.34	0.23	0.00	0.10	0.21	0.10	0.20	0.04	0.06	0.14
7	26	7	0.00	0.04	0.04	0.03	0.00	0.01	0.00	0.00	0.08	0.30	0.18	0.03	0.32	0.39	0.32	0.55	0.38	0.44	0.50
7	26	8	0.00	0.04	0.03	0.02	0.00	0.02	0.00	0.00	0.02	0.18	0.08	0.22	0.53	0.58	0.52	0.77	0.63	0.67	0.72
7	26	9	0.00	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.10	0.02	0.46	0.73	0.71	0.71	0.89	0.82	0.81	0.84
7	26	10	0.00	0.02	0.03	0.02	0.01	0.00	0.01	0.00	0.00	0.07	0.00	0.63	0.83	0.81	0.81	0.94	0.89	0.87	0.90
7	26	11	0.00	0.04	0.04	0.03	0.01	0.00	0.03	0.01	0.02	0.03	0.00	0.73	0.87	0.78	0.85	0.96	0.90	0.88	0.90
7	26	12	0.00	0.06	0.08	0.06	0.00	0.00	0.06	0.03	0.12	0.01	0.00	0.77	0.87	0.76	0.85	0.95	0.89	0.87	0.88
7	26	13	0.00	0.05	0.11	0.09	0.00	0.03	0.07	0.08	0.16	0.11	0.03	0.75	0.83	0.72	0.81	0.93	0.87	0.84	0.87
7	26	14	0.08	0.08	0.12	0.10	0.05	0.22	0.13	0.08	0.29	0.31	0.19	0.71	0.80	0.66	0.79	0.92	0.85	0.83	0.86
7	26	15	0.24	0.10	0.14	0.12	0.15	0.29	0.23	0.06	0.32	0.37	0.25	0.61	0.73	0.57	0.71	0.92	0.84	0.82	0.85
7	26	16	0.25	0.14	0.17	0.14	0.09	0.25	0.13	0.05	0.09	0.21	0.11	0.51	0.67	0.48	0.66	0.88	0.81	0.78	0.82
7	26	17	0.26	0.40	0.20	0.18	0.06	0.22	0.10	0.01	0.19	0.19	0.09	0.32	0.51	0.42	0.50	0.81	0.72	0.70	0.72
7	26	18	0.29	0.37	0.24	0.21	0.02	0.09	0.11	0.01	0.46	0.32	0.20	0.12	0.32	0.27	0.31	0.64	0.55	0.53	0.55
7	26	19	0.41	0.45	0.31	0.28	0.03	0.02	0.08	0.08	0.44	0.27	0.17	0.01	0.10	0.06	0.10	0.25	0.18	0.15	0.28
7	26	20	0.46	0.37	0.38	0.36	0.19	0.01	0.05	0.11	0.36	0.34	0.22	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
7	26	21	0.44	0.46	0.40	0.38	0.12	0.03	0.04	0.11	0.36	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	22	0.41	0.55	0.39	0.37	0.04	0.02	0.03	0.10	0.33	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	23	0.37	0.56	0.37	0.35	0.07	0.02	0.04	0.16	0.31	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	26	24	0.32	0.54	0.35	0.32	0.05	0.01	0.07	0.25	0.24	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	1	0.27	0.52	0.29	0.27	0.02	0.00	0.07	0.25	0.19	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	2	0.24	0.48	0.25	0.23	0.01	0.00	0.06	0.18	0.16	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	3	0.25	0.45	0.21	0.18	0.01	0.01	0.07	0.15	0.11	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	4	0.19	0.41	0.17	0.15	0.01	0.00	0.07	0.07	0.09	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	5	0.10	0.37	0.17	0.14	0.04	0.00	0.06	0.04	0.09	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
7	27	6	0.04	0.25	0.14	0.12	0.13	0.00	0.04	0.01	0.05	0.07	0.00	0.00	0.09	0.21	0.09	0.18	0.03	0.06	0.15
7	27	7	0.00	0.10	0.08	0.06	0.12	0.00	0.04	0.00	0.02	0.02	0.00	0.02	0.29	0.45	0.29	0.55	0.36	0.44	0.51
7	27	8	0.00	0.08	0.03	0.02	0.06	0.00	0.04	0.00	0.00	0.01	0.00	0.19	0.47	0.66	0.47	0.77	0.67	0.67	0.72
7	27	9	0.00	0.07	0.02	0.01	0.04	0.00	0.04	0.00	0.00	0.02	0.00	0.41	0.65	0.75	0.64	0.89	0.82	0.81	0.83
7	27	10	0.00	0.05	0.02	0.01	0.02	0.00	0.04	0.00	0.00	0.02	0.00	0.57	0.75	0.81	0.74	0.94	0.87	0.87	0.89
7	27	11	0.00	0.03	0.04	0.03	0.00	0.00	0.07	0.01	0.01	0.03	0.00	0.68	0.82	0.82	0.80	0.96	0.89	0.88	0.91
7	27	12	0.00	0.03	0.09	0.07	0.00	0.01	0.10	0.05	0.08	0.04	0.00	0.77	0.86	0.78	0.85	0.95	0.88	0.87	0.86
7	27	13	0.00	0.04	0.14	0.11	0.00	0.02	0.12	0.07	0.11	0.17	0.06	0.77	0.85	0.78	0.83	0.94	0.86	0.84	0.84
7	27	14	0.01	0.08	0.17	0.15	0.02	0.04	0.22	0.07	0.07	0.24	0.13	0.74	0.84	0.74	0.82	0.92	0.84	0.83	0.86
7	27	15	0.10	0.15	0.20	0.17	0.02	0.07	0.10	0.05	0.19	0.15	0.05	0.66	0.79	0.64	0.78	0.92	0.83	0.81	0.86
7	27	16	0.20	0.34	0.22	0.20	0.03	0.08	0.10	0.09	0.22	0.10	0.01	0.51	0.67	0.55	0.66	0.88	0.80	0.77	0.82
7	27	17	0.29	0.49	0.25	0.23	0.03	0.08	0.12	0.06	0.29	0.06	0.00	0.33	0.53	0.45	0.52	0.81	0.71	0.69	0.72
7	27	18	0.48	0.55	0.28	0.26	0.02	0.07	0.08	0.06	0.44	0.14	0.05	0.13	0.34	0.27	0.33	0.66	0.52	0.49	0.53
7	27	19	0.59	0.66	0.33	0.31	0.04	0.16	0.10	0.11	0.47	0.19	0.08	0.01	0.11	0.10	0.11	0.28	0.17	0.13	0.25
7	27	20	0.59	0.76	0.39	0.37	0.03	0.32	0.17	0.15	0.47	0.18	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
7	27	21	0.54	0.67	0.34	0.32	0.02	0.25	0.10	0.15	0.30	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	22	0.52	0.63	0.36	0.33	0.05	0.26	0.05	0.16	0.21	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	23	0.48	0.65	0.34	0.32	0.13	0.30	0.03	0.16	0.15	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	27	24	0.46	0.61	0.30	0.28	0.24	0.32	0.02	0.12	0.08	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	28	1	0.43	0.58	0.25	0.23	0.27	0.28	0.06	0.13	0.05	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	28	2	0.36	0.57	0.23	0.21	0.18	0.25	0.12	0.13	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	28	3	0.37	0.53	0.23	0.21	0.19	0.20	0.13	0.15	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar (cont.)												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
7	22	13	0.95	0.97	0.79	0.67	0.53	0.63	0.58	0.53	0.52	0.52	0.69	0.62	1.00	1.00	1.00
7	22	14	0.94	0.96	0.65	0.49	0.83	0.68	0.69	0.83	0.59	0.55	0.59	0.61	1.00	1.00	1.00
7	22	15	0.93	0.91	0.44	0.29	0.38	0.67	0.84	0.38	0.38	0.56	0.47	0.56	1.00	1.00	1.00
7	22	16	0.88	0.75	0.61	0.22	0.23	0.41	0.74	0.23	0.25	0.52	0.42	0.57	1.00	1.00	1.00
7	22	17	0.70	0.53	0.32	0.28	0.14	0.16	0.43	0.14	0.16	0.46	0.27	0.33	1.00	1.00	1.00
7	22	18	0.49	0.14	0.24	0.25	0.04	0.10	0.26	0.04	0.09	0.34	0.17	0.16	1.00	1.00	1.00
7	22	19	0.17	0.04	0.08	0.06	0.01	0.01	0.05	0.01	0.01	0.14	0.02	0.00	1.00	1.00	1.00
7	22	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	22	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.13	1.00	1.00	1.00
7	23	6	0.01	0.00	0.01	0.00	0.07	0.19	0.12	0.06	0.08	0.12	0.14	0.54	1.00	1.00	1.00
7	23	7	0.16	0.05	0.06	0.03	0.20	0.48	0.35	0.19	0.13	0.31	0.32	0.78	1.00	1.00	1.00
7	23	8	0.18	0.07	0.23	0.02	0.45	0.74	0.60	0.45	0.30	0.42	0.50	0.87	1.00	1.00	1.00
7	23	9	0.17	0.14	0.24	0.48	0.74	0.86	0.81	0.73	0.47	0.46	0.69	0.91	1.00	1.00	1.00
7	23	10	0.30	0.22	0.45	0.79	0.80	0.89	0.91	0.80	0.51	0.53	0.72	0.96	1.00	1.00	1.00
7	23	11	0.38	0.35	0.57	0.88	0.87	0.84	0.93	0.86	0.61	0.57	0.68	1.00	1.00	1.00	1.00
7	23	12	0.33	0.74	0.63	0.72	0.88	0.88	0.90	0.88	0.61	0.56	0.61	0.92	1.00	1.00	1.00
7	23	13	0.27	0.58	0.81	0.84	0.77	0.80	0.85	0.76	0.51	0.51	0.52	0.94	1.00	1.00	1.00
7	23	14	0.11	0.43	0.67	0.85	0.88	0.84	0.76	0.87	0.51	0.46	0.39	0.95	1.00	1.00	1.00
7	23	15	0.08	0.20	0.76	0.74	0.88	0.87	0.78	0.87	0.44	0.38	0.42	0.91	1.00	1.00	1.00
7	23	16	0.03	0.24	0.76	0.59	0.79	0.84	0.81	0.78	0.26	0.31	0.26	0.80	1.00	1.00	1.00
7	23	17	0.10	0.31	0.67	0.48	0.63	0.69	0.67	0.62	0.16	0.33	0.21	0.52	1.00	1.00	1.00
7	23	18	0.14	0.29	0.41	0.40	0.44	0.47	0.41	0.44	0.05	0.27	0.14	0.19	1.00	1.00	1.00
7	23	19	0.01	0.15	0.15	0.12	0.15	0.15	0.12	0.15	0.00	0.10	0.01	0.00	1.00	1.00	1.00
7	23	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	23	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.08	1.00	1.00	1.00
7	24	6	0.02	0.18	0.26	0.22	0.24	0.18	0.14	0.23	0.07	0.09	0.13	0.31	1.00	1.00	1.00
7	24	7	0.39	0.47	0.59	0.42	0.58	0.52	0.47	0.57	0.24	0.26	0.22	0.55	1.00	1.00	1.00
7	24	8	0.68	0.75	0.80	0.67	0.72	0.73	0.67	0.71	0.41	0.38	0.37	0.81	1.00	1.00	1.00
7	24	9	0.82	0.92	0.91	0.89	0.88	0.79	0.80	0.88	0.39	0.48	0.43	0.79	1.00	1.00	1.00
7	24	10	0.90	1.00	0.96	0.95	0.92	0.80	0.75	0.92	0.48	0.55	0.49	0.66	1.00	1.00	1.00
7	24	11	0.89	1.00	0.91	0.86	0.94	0.75	0.75	0.93	0.53	0.50	0.54	0.63	1.00	1.00	1.00
7	24	12	0.92	0.97	0.84	0.68	0.75	0.74	0.77	0.75	0.63	0.56	0.54	0.59	1.00	1.00	1.00
7	24	13	0.95	0.98	0.81	0.64	0.85	0.71	0.65	0.84	0.52	0.46	0.59	0.68	1.00	1.00	1.00
7	24	14	0.92	0.96	0.75	0.62	0.77	0.84	0.80	0.76	0.54	0.46	0.72	0.65	1.00	1.00	1.00
7	24	15	0.88	0.96	0.73	0.56	0.66	0.73	0.70	0.66	0.50	0.45	0.60	0.58	1.00	1.00	1.00
7	24	16	0.88	0.91	0.69	0.57	0.51	0.82	0.62	0.51	0.37	0.44	0.54	0.54	1.00	1.00	1.00
7	24	17	0.76	0.80	0.51	0.37	0.44	0.63	0.49	0.44	0.26	0.33	0.39	0.45	1.00	1.00	1.00
7	24	18	0.49	0.58	0.43	0.29	0.27	0.41	0.35	0.27	0.27	0.19	0.22	0.21	1.00	1.00	1.00
7	24	19	0.20	0.31	0.16	0.07	0.09	0.13	0.08	0.09	0.10	0.07	0.02	0.00	1.00	1.00	1.00
7	24	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
7	24	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	24	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.06	1.00	1.00	1.00
7	25	6	0.04	0.20	0.28	0.30	0.23	0.23	0.19	0.23	0.12	0.22	0.10	0.36	1.00	1.00	1.00
7	25	7	0.28	0.58	0.61	0.62	0.53	0.55	0.49	0.52	0.34	0.43	0.17	0.69	1.00	1.00	1.00
7	25	8	0.55	0.81	0.80	0.79	0.72	0.74	0.74	0.72	0.47	0.59	0.33	0.85	1.00	1.00	1.00
7	25	9	0.85	0.94	0.92	0.89	0.86	0.85	0.84	0.85	0.55	0.71	0.42	0.95	1.00	1.00	1.00
7	25	10	0.91	1.00	0.98	0.79	0.94	0.87	0.89	0.94	0.64	0.79	0.65	0.90	1.00	1.00	1.00
7	25	11	0.98	1.00	0.98	0.62	0.85	0.78	0.80	0.84	0.69	0.79	0.79	0.85	1.00	1.00	1.00
7	25	12	0.98	0.99	0.95	0.76	0.82	0.91	0.70	0.82	0.53	0.63	0.63	0.84	1.00	1.00	1.00
7	25	13	0.97	0.96	0.87	0.56	0.82	0.83	0.75	0.81	0.40	0.62	0.55	0.87	1.00	1.00	1.00
7	25	14	0.96	0.97	0.93	0.34	0.83	0.83	0.80	0.82	0.40	0.47	0.46	0.96	1.00	1.00	1.00
7	25	15	0.95	0.97	0.92	0.28	0.58	0.71	0.80	0.58	0.31	0.37	0.34	0.87	1.00	1.00	1.00
7	25	16	0.89	0.92	0.87	0.01	0.43	0.68	0.78	0.43	0.34	0.39	0.28	0.73	1.00	1.00	1.00
7	25	17	0.79	0.80	0.64	0.21	0.23	0.51	0.54	0.23	0.26	0.38	0.19	0.52	1.00	1.00	1.00
7	25	18	0.55	0.57	0.47	0.17	0.15	0.20	0.37	0.15	0.15	0.28	0.15	0.18	1.00	1.00	1.00
7	25	19	0.21	0.27	0.17	0.03	0.05	0.05	0.10	0.05	0.06	0.11	0.01	0.00	1.00	1.00	1.00
7	25	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	25	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.07	1.00	1.00	1.00
7	26	6	0.04	0.19	0.23	0.28	0.20	0.13	0.17	0.20	0.05	0.26	0.12	0.38	1.00	1.00	1.00
7	26	7	0.29	0.57	0.59	0.41	0.56	0.50	0.50	0.56	0.12	0.51	0.25	0.60	1.00	1.00	1.00
7	26	8	0.49	0.81	0.80	0.54	0.72	0.70	0.73	0.71	0.35	0.64	0.46	0.73	1.00	1.00	1.00
7	26	9	0.77	0.93	0.91	0.89	0.88	0.88	0.82	0.88	0.50	0.73	0.58	0.92	1.00	1.00	1.00
7	26	10	0.90	0.99	0.95	0.93	0.94	0.90	0.91	0.94	0.65	0.75	0.62	0.99	1.00	1.00	1.00
7	26	11	0.96	1.00	0.88	0.90	0.91	0.95	0.91	0.91	0.64	0.71	0.66	0.78	1.00	1.00	1.00
7	26	12	0.97	1.00	0.87	0.93	0.89	0.93	0.70	0.88	0.60	0.77	0.65	0.68	1.00	1.00	1.00
7	26	13	0.96	0.98	0.84	0.77	0.79	0.80	0.69	0.78	0.56	0.60	0.68	0.75	1.00	1.00	1.00
7	26	14	0.96	0.98	0.82	0.64	0.82	0.72	0.74	0.81	0.42	0.63	0.60	0.71	1.00	1.00	1.00
7	26	15	0.94	0.97	0.89	0.15	0.77	0.67	0.67	0.77	0.41	0.65	0.49	0.63	1.00	1.00	1.00
7	26	16	0.89	0.92	0.86	0.41	0.57	0.61	0.62	0.57	0.34	0.51	0.44	0.40	1.00	1.00	1.00
7	26	17	0.78	0.81	0.68	0.31	0.33	0.35	0.37	0.32	0.24	0.42	0.41	0.30	1.00	1.00	1.00
7	26	18	0.55	0.57	0.41	0.17	0.26	0.17	0.17	0.26	0.14	0.30	0.22	0.11	1.00	1.00	1.00
7	26	19	0.27	0.25	0.16	0.03	0.07	0.04	0.03	0.07	0.03	0.12	0.02	0.00	1.00	1.00	1.00
7	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.02	1.00	1.00	1.00
7	27	6	0.04	0.18	0.21	0.11	0.18	0.16	0.16	0.18	0.26	0.27	0.16	0.13	1.00	1.00	1.00
7	27	7	0.29	0.56	0.55	0.28	0.29	0.47	0.50	0.29	0.62	0.51	0.35	0.32	1.00	1.00	1.00
7	27	8	0.46	0.81	0.76	0.19	0.41	0.65	0.69	0.41	0.78	0.64	0.61	0.55	1.00	1.00	1.00
7	27	9	0.71	0.93	0.82	0.52	0.52	0.74	0.84	0.52	0.84	0.70	0.68	0.62	1.00	1.00	1.00
7	27	10	0.94	0.99	0.93	0.51	0.64	0.74	0.85	0.63	0.87	0.78	0.68	0.68	1.00	1.00	1.00
7	27	11	0.97	1.00	0.94	0.66	0.78	0.74	0.80	0.77	0.87	0.67	0.76	0.68	1.00	1.00	1.00
7	27	12	0.97	1.00	0.91	0.94	0.79	0.85	0.82	0.78	0.85	0.61	0.78	0.54	1.00	1.00	1.00
7	27	13	0.96	0.97	0.87	0.89	0.76	0.90	0.79	0.75	0.82	0.55	0.74	0.67	1.00	1.00	1.00
7	27	14	0.95	0.97	0.94	0.68	0.84	0.88	0.87	0.84	0.76	0.60	0.60	0.68	1.00	1.00	1.00
7	27	15	0.94	0.95	0.79	0.68	0.76	0.88	0.86	0.75	0.59	0.57	0.50	0.56	1.00	1.00	1.00
7	27	16	0.89	0.91	0.79	0.32	0.66	0.69	0.67	0.66	0.45	0.47	0.31	0.63	1.00	1.00	1.00
7	27	17	0.77	0.80	0.67	0.40	0.35	0.41	0.56	0.34	0.46	0.36	0.24	0.44	1.00	1.00	1.00
7	27	18	0.54	0.56	0.48	0.24	0.25	0.26	0.31	0.25	0.32	0.26	0.14	0.13	1.00	1.00	1.00
7	27	19	0.23	0.24	0.18	0.06	0.07	0.05	0.09	0.07	0.10	0.09	0.01	0.00	1.00	1.00	1.00
7	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
7	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
7	28	4	0.35	0.04	0.75	0.07	0.61	0.58	0.17	0.59	0.40	0.34	0.22	0.45	0.36	0.51	0.23	0.21	0.18	0.19	0.11	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	5	0.34	0.04	0.72	0.04	0.59	0.38	0.13	0.54	0.39	0.33	0.17	0.45	0.35	0.51	0.20	0.18	0.19	0.17	0.07	0.05	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.12	1.00	1.00	1.00
7	28	6	0.27	0.02	0.59	0.02	0.55	0.29	0.10	0.46	0.32	0.26	0.11	0.42	0.27	0.48	0.15	0.13	0.19	0.16	0.04	0.00	0.00	0.02	0.00	0.00	0.06	0.32	0.06	0.16	0.04	0.05	0.14	0.04	0.12	0.11	0.00	0.09	0.15	0.17	0.09	0.39	0.29	0.24	0.53	1.00	1.00	1.00
7	28	7	0.15	0.02	0.43	0.01	0.40	0.17	0.07	0.33	0.21	0.14	0.07	0.36	0.16	0.42	0.07	0.06	0.10	0.13	0.03	0.00	0.00	0.02	0.00	0.02	0.27	0.54	0.26	0.55	0.42	0.45	0.50	0.27	0.53	0.31	0.01	0.35	0.51	0.50	0.35	0.64	0.49	0.42	0.77	1.00	1.00	1.00
7	28	8	0.06	0.03	0.38	0.00	0.23	0.04	0.05	0.18	0.12	0.05	0.07	0.30	0.07	0.37	0.04	0.03	0.04	0.11	0.03	0.00	0.00	0.03	0.00	0.20	0.49	0.73	0.48	0.77	0.68	0.68	0.71	0.50	0.79	0.46	0.54	0.45	0.75	0.73	0.44	0.77	0.66	0.63	0.94	1.00	1.00	1.00
7	28	9	0.01	0.04	0.38	0.00	0.09	0.03	0.04	0.08	0.06	0.00	0.08	0.20	0.01	0.28	0.04	0.03	0.03	0.05	0.02	0.00	0.00	0.04	0.00	0.43	0.67	0.83	0.66	0.89	0.82	0.80	0.82	0.75	0.91	0.63	0.86	0.53	0.87	0.86	0.53	0.83	0.75	0.66	1.00	1.00	1.00	1.00
7	28	10	0.00	0.05	0.33	0.00	0.03	0.03	0.03	0.04	0.04	0.00	0.07	0.10	0.00	0.17	0.04	0.03	0.02	0.01	0.01	0.00	0.01	0.05	0.00	0.59	0.77	0.89	0.76	0.94	0.87	0.86	0.85	0.87	0.98	0.76	0.91	0.56	0.90	0.92	0.56	0.87	0.79	0.72	1.00	1.00	1.00	1.00
7	28	11	0.00	0.07	0.25	0.02	0.01	0.04	0.05	0.04	0.03	0.00	0.10	0.09	0.00	0.16	0.05	0.04	0.01	0.00	0.02	0.00	0.01	0.07	0.00	0.70	0.84	0.87	0.82	0.95	0.89	0.87	0.88	0.95	1.00	0.88	0.88	0.65	0.93	0.95	0.64	0.83	0.79	0.73	0.87	1.00	1.00	1.00
7	28	12	0.00	0.10	0.24	0.04	0.02	0.04	0.06	0.10	0.03	0.00	0.15	0.11	0.00	0.19	0.08	0.06	0.02	0.01	0.09	0.00	0.08	0.10	0.02	0.76	0.86	0.87	0.84	0.95	0.89	0.86	0.89	0.97	0.99	0.77	0.94	0.72	0.91	0.92	0.71	0.85	0.75	0.75	0.87	1.00	1.00	1.00
7	28	13	0.00	0.10	0.27	0.09	0.10	0.07	0.06	0.22	0.06	0.00	0.27	0.19	0.01	0.26	0.13	0.11	0.05	0.04	0.14	0.04	0.20	0.10	0.02	0.77	0.85	0.84	0.83	0.93	0.86	0.84	0.87	0.96	0.97	0.86	0.93	0.65	0.87	0.89	0.64	0.84	0.79	0.71	0.75	1.00	1.00	1.00
7	28	14	0.04	0.11	0.33	0.12	0.22	0.10	0.11	0.43	0.10	0.04	0.39	0.32	0.05	0.38	0.18	0.15	0.08	0.05	0.17	0.02	0.20	0.11	0.03	0.73	0.82	0.78	0.81	0.92	0.85	0.82	0.87	0.94	0.95	0.86	0.93	0.56	0.80	0.89	0.56	0.84	0.70	0.56	0.71	1.00	1.00	1.00
7	28	15	0.14	0.26	0.43	0.13	0.37	0.18	0.15	0.68	0.20	0.13	0.46	0.46	0.15	0.52	0.23	0.20	0.16	0.05	0.06	0.02	0.09	0.26	0.15	0.67	0.80	0.72	0.78	0.91	0.83	0.82	0.85	0.91	0.94	0.79	0.88	0.67	0.86	0.88	0.66	0.84	0.58	0.51	0.65	1.00	1.00	1.00
7	28	16	0.25	0.39	0.58	0.15	0.57	0.26	0.23	0.85	0.31	0.24	0.53	0.50	0.26	0.55	0.30	0.27	0.23	0.06	0.03	0.02	0.23	0.39	0.27	0.55	0.73	0.63	0.72	0.87	0.79	0.78	0.82	0.83	0.89	0.84	0.85	0.78	0.67	0.81	0.77	0.80	0.55	0.39	0.50	1.00	1.00	1.00
7	28	17	0.33	0.29	0.60	0.18	0.70	0.43	0.33	0.92	0.38	0.32	0.57	0.49	0.34	0.55	0.35	0.33	0.09	0.07	0.08	0.02	0.34	0.29	0.18	0.37	0.59	0.46	0.58	0.79	0.71	0.69	0.72	0.72	0.79	0.74	0.75	0.65	0.56	0.65	0.64	0.69	0.42	0.19	0.21	1.00	1.00	1.00
7	28	18	0.48	0.21	0.64	0.23	0.75	0.54	0.44	0.94	0.52	0.47	0.54	0.49	0.48	0.54	0.37	0.35	0.10	0.06	0.16	0.08	0.08	0.21	0.10	0.14	0.36	0.30	0.36	0.64	0.52	0.52	0.54	0.51	0.54	0.49	0.54	0.36	0.24	0.35	0.35	0.47	0.32	0.14	0.05	1.00	1.00	1.00
7	28	19	0.50	0.13	0.63	0.33	0.81	0.88	0.56	0.92	0.55	0.50	0.56	0.57	0.51	0.62	0.41	0.39	0.17	0.08	0.17	0.22	0.03	0.13	0.04	0.01	0.10	0.09	0.10	0.22	0.13	0.04	0.24	0.24	0.22	0.18	0.18	0.10	0.05	0.09	0.10	0.14	0.13	0.01	0.00	1.00	1.00	1.00
7	28	20	0.48	0.13	0.63	0.42	0.89	0.98	0.59	0.88	0.52	0.47	0.58	0.63	0.49	0.68	0.46	0.44	0.15	0.12	0.24	0.43	0.06	0.13	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	21	0.49	0.15	0.68	0.37	0.91	0.97	0.59	0.84	0.53	0.48	0.54	0.61	0.49	0.66	0.44	0.42	0.26	0.18	0.17	0.64	0.19	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	22	0.51	0.16	0.71	0.32	0.90	0.92	0.58	0.82	0.55	0.51	0.45	0.53	0.52	0.58	0.42	0.40	0.32	0.17	0.27	0.50	0.18	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	23	0.53	0.13	0.71	0.30	0.87	0.79	0.51	0.81	0.57	0.53	0.46	0.47	0.54	0.52	0.38	0.36	0.55	0.22	0.17	0.37	0.04	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	28	24	0.55	0.07	0.75	0.32	0.84	0.89	0.37	0.80	0.59	0.55	0.46	0.47	0.56	0.52	0.36	0.34	0.69	0.28	0.12	0.27	0.02	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	1	0.47	0.06	0.82	0.30	0.83	0.47	0.30	0.77	0.52	0.47	0.39	0.46	0.48	0.52	0.37	0.35	0.45	0.31	0.07	0.22	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	2	0.42	0.05	0.82	0.23	0.81	0.54	0.26	0.73	0.46	0.41	0.37	0.48	0.43	0.53	0.35	0.33	0.36	0.27	0.04	0.17	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	3	0.41	0.04	0.78	0.16	0.79	0.42	0.21	0.69	0.46	0.40	0.30	0.49	0.42	0.55	0.33	0.31	0.31	0.28	0.02	0.18	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	4	0.40	0.06	0.78	0.12	0.79	0.29	0.18	0.66	0.45	0.39	0.26	0.45	0.41	0.51	0.29	0.27	0.27	0.32	0.02	0.16	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	5	0.35	0.08	0.77	0.09	0.79	0.30	0.16	0.62	0.40	0.34	0.18	0.45	0.36	0.51	0.28	0.26	0.14	0.38	0.02	0.11	0.01	0.08	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.01	0.09	1.00	1.00	1.00
7	29	6	0.27	0.05	0.73	0.07	0.75	0.21	0.16	0.52	0.33	0.26	0.10	0.42	0.28	0.48	0.24	0.22	0.10	0.40	0.02	0.06	0.00	0.05	0.00	0.00	0.07	0.30	0.06	0.17	0.03	0.03	0.13	0.02	0.17	0.24	0.13	0.11	0.01	0.05	0.11	0.39	0.30	0.23	0.38	1.00	1.00	1.00
7	29	7	0.13	0.04	0.63	0.03	0.59	0.24	0.15	0.42	0.19	0.12	0.04	0.31	0.14	0.38	0.15	0.13	0.03	0.30	0.00	0.03	0.00	0.04	0.00	0.03	0.26	0.53	0.26	0.55	0.36	0.42	0.48	0.24	0.54	0.58	0.53	0.32	0.03	0.16	0.31	0.63	0.56	0.44	0.63	1.00	1.00	1.00
7	29	8	0.07	0.05	0.57	0.01	0.46	0.06	0.13	0.29	0.13	0.06	0.01	0.14	0.08	0.22	0.11	0.09	0.01	0.33	0.00	0.03	0.00	0.05	0.00	0.19	0.45	0.74	0.44	0.77	0.62	0.68	0.71	0.55	0.79	0.79	0.55	0.54	0.11	0.30	0.53	0.76	0.73	0.64	0.88	1.00	1.00	1.00
7	29	9	0.04	0.07	0.56	0.01	0.31	0.03	0.13	0.17	0.10	0.03	0.00	0.01	0.05	0.06	0.09	0.07	0.01	0.25	0.00	0.06	0.00	0.07	0.00	0.40	0.63	0.85	0.62	0.89	0.82	0.80	0.83	0.79	0.92	0.87	0.73	0.73	0.31	0.43	0.72	0.83	0.82	0.78	0.95	1.00	1.00	1.00
7	29	10	0.00	0.09	0.55	0.01	0.21	0.03	0.11	0.12	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.05	0.01	0.13	0.00	0.06	0.03	0.09	0.01	0.53	0.70	0.90	0.69	0.94	0.88	0.87	0.88	0.91	0.98	0.80	0.77	0.71	0.38	0.41	0.70	0.86	0.82	0.88	0.93	1.00	1.00	1.00
7	29	11	0.00	0.11	0.49	0.01	0.12	0.04	0.11	0.13	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.05	0.01	0.03	0.01	0.06	0.08	0.11	0.02	0.65	0.77	0.89	0.76	0.96	0.91	0.88	0.90	0.98	1.00	0.91	0.90	0.77	0.41	0.36	0.76	0.86	0.84	0.86	0.76	1.00	1.00	1.00
7	29	12	0.00	0.11	0.42	0.02	0.07	0.04	0.12	0.18	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.05	0.01	0.09	0.07	0.08	0.23	0.11	0.02	0.70	0.79	0.89	0.78	0.96	0.90	0.88	0.90	0.98	1.00	0.92	0.90	0.79	0.43	0.37	0.79	0.85	0.84	0.85	0.78	1.00	1.00	1.00
7	29	13	0.00	0.11	0.43	0.05	0.05	0.05	0.15	0.32	0.02	0.00	0.00	0.00	0.00	0.03	0.09	0.07	0.05	0.16	0.07	0.13	0.24	0.11	0.02	0.75	0.82	0.80	0.81	0.92	0.86	0.85	0.82	0.93	0.97	0.81	0.94	0.89	0.74	0.56	0.88	0.81	0.68	0.74	0.63	1.00	1.00	1.00
7	29	14	0.08	0.14	0.52	0.09	0.09	0.09	0.17	0.53	0.14	0.07	0.02	0.00	0.09	0.04	0.11	0.09	0.12	0.24	0.19	0.18	0.17	0.14	0.05	0.73	0.82	0.77	0.80	0.91	0.85	0.84	0.82	0.94	0.97	0.81	0.94	0.91	0.79	0.57	0.90	0.82	0.69	0.75	0.52	1.00	1.00	1.00
7	29	15	0.26	0.23	0.59	0.12	0.16	0.12	0.20	0.73	0.31	0.25	0.15	0.01	0.27	0.07	0.15	0.13	0.06	0.04	0.17	0.19	0.14	0.23	0.12	0.68	0.80	0.68	0.79	0.91	0.85	0.83	0.81	0.93	0.95	0.88	0.92	0.90	0.80	0.62	0.90	0.83	0.58	0.56	0.44	1.00	1.00	1.00
7	29	16	0.49	0.38	0.63	0.14	0.28	0.18	0.29	0.85	0.54	0.49	0.34	0.16	0.50	0.23	0.18	0.16	0.10	0.24	0.11	0.41	0.02	0.38	0.26	0.55	0.73	0.62	0.71	0.88	0.81	0.80	0.77	0.88	0.90	0.81	0.87	0.84	0.73	0.55	0.83	0.79	0.52	0.48	0.37	1.00	1.00	1.00
7	29	17	0.44	0.34	0.69	0.15	0.45	0.29	0.37	0.90	0.48	0.43	0.40	0.39	0.45	0.46	0.20	0.18	0.09	0.26	0.09	0.46	0.01	0.34	0.24	0.37	0.59	0.49	0.58	0.80	0.72	0.71	0.71	0.75	0.80	0.68	0.71	0.64	0.65	0.52	0.64	0.64	0.40	0.35	0.27	1.00	1.00	1.00
7	29	18	0.38	0.29	0.67	0.17	0.57	0.41	0.45	0.92	0.42	0.37	0.38	0.41	0.38	0.47	0.25	0.23	0.05	0.31	0.08	0.29	0.04	0.29	0.19	0.14	0.37	0.30	0.36	0.64	0.54	0.54	0.51	0.52	0.56	0.46	0.47	0.39	0.32	0.36	0.38	0.33	0.31	0.22	0.10	1.00	1.00	1.00
7	29	19	0.47	0.35	0.72	0.29	0.68	0.80	0.58	0.91	0.52	0.47	0.35	0.38	0.48	0.45	0.34	0.32	0.12	0.20	0.13	0.36	0.13	0.35	0.24	0.01	0.10	0.12	0.10	0.20	0.13	0.03	0.26	0.25	0.23	0.17	0.14	0.11	0.08	0.08	0.11	0.11	0.12	0.01	0.00	1.00	1.00	1.00
7	29	20	0.51	0.31	0.66	0.46	0.77	0.94	0.67	0.88	0.55	0.50	0.30	0.37	0.51	0.43	0.45	0.43	0.29	0.44	0.14	0.36	0.16	0.31	0.20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	21	0.56	0.19	0.66	0.44	0.81	0.93	0.70	0.84	0.60	0.56	0.20	0.45	0.57	0.51	0.47	0.45	0.55	0.34	0.13	0.25	0.09	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	22	0.54	0.08	0.66	0.36	0.83	0.87	0.66	0.83	0.58	0.53	0.19	0.50	0.55	0.56	0.45	0.43	0.32	0.23	0.11	0.18	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	23	0.52	0.04	0.64	0.33	0.80	0.56	0.60	0.81	0.56	0.52	0.24	0.48	0.53	0.54	0.42	0.40	0.36	0.37	0.12	0.16	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	29	24	0.54	0.05	0.62	0.30	0.75	0.51	0.52	0.77	0.58	0.53	0.27	0.41	0.55	0.47	0.37	0.34	0.40	0.56	0.18	0.08	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	1	0.46	0.06	0.61	0.29	0.70	0.67	0.46	0.71	0.51	0.46	0.26	0.39	0.47	0.45	0.29	0.27	0.36	0.46	0.15	0.04	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	2	0.35	0.04	0.63	0.24	0.67	0.64	0.44	0.61	0.40	0.34	0.22	0.37	0.36	0.43	0.25	0.23	0.22	0.29	0.09	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	3	0.31	0.03	0.66	0.15	0.68	0.36	0.42	0.57	0.36	0.30	0.16	0.33	0.31	0.40	0.22	0.20	0.35	0.12	0.06	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	4	0.24	0.03	0.65	0.10	0.65	0.26	0.36	0.52	0.29	0.23	0.15	0.23	0.24	0.31	0.20	0.18	0.38	0.12	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	5	0.19	0.03	0.52	0.07	0.62	0.18	0.31	0.45	0.25	0.18	0.08	0.13	0.20	0.20	0.17	0.15	0.35	0.15	0.02	0.01	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.07	1.00	1.00	1.00
7	30	6	0.11	0.03	0.45	0.05	0.53	0.15	0.30	0.36	0.17	0.10	0.04	0.11	0.12	0.19	0.12	0.10	0.33	0.11	0.01	0.00	0.00	0.03	0.00	0.00	0.07	0.23	0.07	0.11	0.04	0.05	0.13	0.03	0.14	0.18	0.09	0.06	0.22	0.15	0.06	0.38	0.14	0.19	0.35	1.00	1.00	1.00
7	30	7	0.01	0.04	0.33	0.03	0.32	0.12	0.24	0.26	0.05	0.01	0.00	0.01	0.01	0.07	0.06	0.04	0.18	0.09	0.00	0.00	0.00	0.04	0.00	0.02	0.29	0.45	0.29	0.51	0.44	0.45	0.49	0.33	0.52	0.42	0.27	0.29	0.54	0.52	0.28	0.62	0.37	0.41	0.67	1.00	1.00	1.00
7	30	8	0.00	0.05	0.25	0.01	0.11	0.03	0.19	0.17	0.02	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.24	0.08	0.00	0.00	0.00	0.05	0.00	0.22	0.53	0.65	0.52	0.76	0.69	0.68	0.71	0.49	0.79	0.74	0.59	0.69	0.74	0.73	0.69	0.75	0.57	0.58	0.85	1.00	1.00	1.00
7	30	9	0.00	0.06	0.10	0.01	0.01	0.02	0.13	0.09	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.25	0.18	0.00	0.02	0.01	0.06	0.00	0.43	0.68	0.74	0.66	0.86	0.80	0.78	0.81	0.59	0.91	0.85	0.67	0.81	0.85	0.84	0.80	0.81	0.64	0.66	0.86	1.00	1.00	1.00
7	30	10	0.00	0.08	0.01	0.00	0.00	0.01	0.10	0.05	0.03	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.24	0.09	0.00	0.08	0.01	0.08	0.01	0.57	0.75	0.73	0.74	0.94	0.89	0.86	0.89	0.91	0.99	0.76	0.35	0.80	0.90	0.91	0.80	0.72	0.65	0.66	0.62	1.00	1.00	1.00
7	30	11	0.00	0.11	0.00	0.00	0.00	0.00	0.08	0.06	0.03	0.00	0.00	0.00	0.00	0.04	0.03	0.02	0.31	0.14	0.00	0.11	0.03	0.11	0.02	0.68	0.81	0.74	0.79	0.96	0.91	0.88	0.90	0.96	1.00	0.78	0.39	0.83	0.93	0.93	0.83	0.67	0.66	0.68	0.63	1.00	1.00	1.00
7	30	12	0.02	0.11	0.00	0.01	0.00	0.02	0.07	0.12	0.07	0.01	0.03	0.01	0.03	0.07	0.04	0.02	0.32	0.21	0.01	0.21	0.06	0.11	0.02	0.74	0.83	0.70	0.81	0.95	0.89	0.87	0.89	0.96	1.00	0.84	0.38	0.88	0.93	0.91	0.87	0.66	0.66	0.60	0.58	1.00	1.00	1.00
7	30	13	0.07	0.11	0.03	0.02	0.00	0.03	0.08	0.26	0.12	0.06	0.09	0.03	0.08	0.09	0.04	0.02	0.29	0.47	0.03	0.33	0.25	0.11	0.02	0.76	0.84	0.53	0.82	0.93	0.87	0.84	0.87	0.95	0.98	0.91	0.54	0.84	0.91	0.88	0.83	0.49	0.59	0.51	0.40	1.00	1.00	1.00
7	30	14	0.38	0.14	0.04	0.03	0.00	0.04	0.08	0.46	0.43	0.37	0.22	0.04	0.38	0.11	0.05	0.03	0.25	0.49	0.02	0.27	0.20	0.14	0.04	0.73	0.82	0.47	0.81	0.92	0.85	0.83	0.87	0.93	0.97	0.92	0.43	0.87	0.90	0.90	0.87	0.35	0.60	0.38	0.31	1.00	1.00	1.00
7	30	15	0.49	0.17	0.06	0.04	0.00	0.07	0.10	0.65	0.54	0.49	0.31	0.08	0.50	0.15	0.05	0.04	0.18	0.61	0.01	0.26	0.13	0.17	0.07	0.63	0.75	0.44	0.73	0.91	0.84	0.82	0.85	0.93	0.96	0.89	0.10	0.78	0.83	0.86	0.78	0.33	0.54	0.36	0.49	1.00	1.00	1.00
7	30	16	0.35	0.23	0.08	0.05	0.00	0.11	0.13	0.78	0.40	0.34	0.47	0.24	0.36	0.31	0.07	0.05	0.17	0.33	0.03	0.21	0.18	0.23	0.12	0.50	0.66	0.38	0.65	0.87	0.80	0.78	0.82	0.87	0.90	0.76	0.25	0.54	0.68	0.81	0.54	0.28	0.42	0.25	0.41	1.00	1.00	1.00
7	30	17	0.47	0.25	0.19	0.06	0.03	0.16	0.15	0.85	0.52	0.47	0.53	0.51	0.48	0.57	0.09	0.07	0.15	0.34	0.04	0.20	0.28	0.25	0.14	0.32	0.52	0.28	0.51	0.80	0.71	0.69	0.73	0.75	0.79	0.70	0.02	0.38	0.50	0.67	0.37	0.14	0.38	0.20	0.28	1.00	1.00	1.00
7	30	18	0.58	0.25	0.31	0.13	0.21	0.17	0.18	0.88	0.61	0.58	0.55	0.65	0.59	0.69	0.15	0.13	0.24	0.42	0.08	0.41	0.31	0.25	0.14	0.12	0.31	0.18	0.30	0.63	0.53	0.51	0.55	0.49	0.54	0.50	0.02	0.14	0.23	0.30	0.14	0.14	0.30	0.14	0.07	1.00	1.00	1.00
7	30	19	0.80	0.24	0.54	0.25	0.49	0.43	0.19	0.86	0.82	0.80	0.63	0.69	0.80	0.73	0.27	0.25	0.39	0.84	0.28	0.36	0.32	0.24	0.14	0.01	0.08	0.05	0.08	0.18	0.09	0.08	0.30	0.23	0.21	0.17	0.00	0.02	0.04	0.06	0.02	0.01	0.12	0.01	0.00	1.00	1.00	1.00
7	30	20	0.73	0.24	0.65	0.39	0.68	0.49	0.15	0.78	0.75	0.72	0.67	0.67	0.73	0.70	0.35	0.33	0.28	0.84	0.50	0.20	0.29	0.24	0.13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	21	0.62	0.23	0.57	0.37	0.71	0.57	0.14	0.72	0.65	0.61	0.58	0.61	0.62	0.66	0.34	0.31	0.50	0.75	0.61	0.24	0.15	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	22	0.48	0.21	0.51	0.26	0.69	0.56	0.12	0.66	0.53	0.48	0.45	0.47	0.49	0.53	0.31	0.29	0.59	0.54	0.61	0.24	0.12	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	23	0.38	0.16	0.45	0.23	0.66	0.40	0.08	0.59	0.43	0.37	0.39	0.40	0.39	0.46	0.31	0.29	0.60	0.36	0.55	0.25	0.10	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	30	24	0.28	0.11	0.46	0.25	0.62	0.32	0.04	0.51	0.34	0.28	0.41	0.37	0.29	0.44	0.26	0.24	0.78	0.17	0.48	0.31	0.06	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	1	0.13	0.09	0.44	0.27	0.51	0.28	0.02	0.35	0.19	0.12	0.33	0.37	0.14	0.44	0.15	0.13	0.75	0.12	0.37	0.27	0.04	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	2	0.01	0.07	0.38	0.25	0.40	0.16	0.01	0.25	0.06	0.01	0.29	0.31	0.02	0.38	0.11	0.09	0.71	0.07	0.24	0.21	0.03	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	3	0.00	0.04	0.30	0.21	0.33	0.15	0.00	0.16	0.03	0.00	0.24	0.21	0.00	0.28	0.10	0.08	0.67	0.07	0.16	0.14	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	4	0.00	0.03	0.24	0.16	0.25	0.12	0.00	0.11	0.02	0.00	0.25	0.13	0.00	0.20	0.09	0.07	0.49	0.07	0.09	0.11	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	5	0.00	0.02	0.18	0.14	0.21	0.09	0.00	0.04	0.03	0.00	0.23	0.11	0.00	0.19	0.07	0.05	0.46	0.09	0.04	0.15	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.10	1.00	1.00	1.00
7	31	6	0.00	0.01	0.10	0.12	0.16	0.08	0.00	0.00	0.02	0.00	0.15	0.08	0.00	0.15	0.06	0.04	0.61	0.09	0.02	0.13	0.00	0.01	0.00	0.00	0.06	0.20	0.05	0.15	0.03	0.03	0.12	0.02	0.14	0.14	0.06	0.05	0.09	0.09	0.05	0.16	0.14	0.12	0.39	1.00	1.00	1.00
7	31	7	0.00	0.01	0.01	0.09	0.04	0.06	0.00	0.00	0.01	0.00	0.06	0.02	0.00	0.08	0.03	0.02	0.43	0.07	0.00	0.05	0.00	0.01	0.00	0.02	0.23	0.40	0.22	0.54	0.43	0.43	0.48	0.25	0.54	0.25	0.02	0.05	0.27	0.46	0.05	0.49	0.30	0.23	0.52	1.00	1.00	1.00
7	31	8	0.00	0.01	0.00	0.05	0.00	0.01	0.00	0.00	0.01	0.00	0.06	0.02	0.00	0.09	0.02	0.01	0.33	0.05	0.01	0.02	0.00	0.01	0.00	0.15	0.38	0.56	0.37	0.76	0.68	0.67	0.70	0.46	0.79	0.27	0.02	0.08	0.37	0.63	0.08	0.69	0.40	0.36	0.66	1.00	1.00	1.00
7	31	9	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.04	0.00	0.11	0.02	0.01	0.23	0.04	0.02	0.04	0.00	0.01	0.00	0.33	0.52	0.69	0.51	0.88	0.81	0.78	0.82	0.64	0.93	0.45	0.16	0.26	0.35	0.75	0.26	0.80	0.48	0.52	0.75	1.00	1.00	1.00
7	31	10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.00	0.11	0.03	0.01	0.19	0.03	0.03	0.05	0.00	0.02	0.00	0.51	0.66	0.77	0.65	0.93	0.86	0.85	0.89	0.84	0.98	0.74	0.62	0.31	0.23	0.84	0.31	0.83	0.53	0.63	0.84	1.00	1.00	1.00
7	31	11	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.09	0.04	0.00	0.11	0.04	0.02	0.17	0.08	0.02	0.05	0.02	0.04	0.00	0.60	0.71	0.79	0.70	0.94	0.89	0.86	0.89	0.89	1.00	0.67	0.51	0.46	0.31	0.88	0.46	0.71	0.62	0.74	0.81	1.00	1.00	1.00
7	31	12	0.00	0.06	0.00	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.10	0.04	0.00	0.12	0.04	0.02	0.11	0.24	0.05	0.09	0.03	0.06	0.00	0.67	0.75	0.77	0.74	0.94	0.88	0.85	0.90	0.96	0.98	0.59	0.63	0.43	0.54	0.88	0.43	0.52	0.66	0.71	0.87	1.00	1.00	1.00
7	31	13	0.05	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.10	0.04	0.13	0.05	0.06	0.12	0.05	0.03	0.13	0.38	0.04	0.09	0.01	0.09	0.01	0.69	0.76	0.77	0.75	0.93	0.86	0.84	0.89	0.96	0.98	0.60	0.66	0.45	0.56	0.87	0.44	0.49	0.64	0.71	0.91	1.00	1.00	1.00
7	31	14	0.11	0.12	0.02	0.03	0.01	0.02	0.00	0.01	0.17	0.10	0.11	0.07	0.12	0.14	0.05	0.04	0.12	0.16	0.05	0.09	0.02	0.12	0.03	0.69	0.77	0.60	0.76	0.91	0.84	0.82	0.87	0.94	0.97	0.62	0.79	0.78	0.64	0.62	0.77	0.48	0.50	0.44	0.59	1.00	1.00	1.00
7	31	15	0.06	0.17	0.05	0.04	0.08	0.02	0.00	0.09	0.11	0.05	0.13	0.10	0.07	0.18	0.05	0.04	0.10	0.03	0.16	0.07	0.06	0.17	0.07	0.59	0.70	0.46	0.68	0.90	0.83	0.81	0.86	0.91	0.96	0.55	0.33	0.81	0.68	0.49	0.80	0.36	0.44	0.42	0.41	1.00	1.00	1.00
7	31	16	0.11	0.24	0.05	0.07	0.17	0.24	0.00	0.25	0.16	0.10	0.26	0.12	0.12	0.20	0.06	0.04	0.14	0.10	0.26	0.07	0.06	0.24	0.13	0.48	0.63	0.43	0.61	0.87	0.80	0.78	0.83	0.88	0.91	0.60	0.20	0.78	0.56	0.40	0.77	0.25	0.39	0.28	0.39	1.00	1.00	1.00
7	31	17	0.31	0.16	0.06	0.10	0.20	0.33	0.00	0.45	0.37	0.30	0.36	0.12	0.32	0.18	0.07	0.05	0.24	0.29	0.06	0.15	0.11	0.16	0.06	0.32	0.50	0.27	0.49	0.79	0.70	0.68	0.72	0.78	0.78	0.44	0.35	0.59	0.48	0.22	0.59	0.16	0.29	0.18	0.19	1.00	1.00	1.00
7	31	18	0.34	0.19	0.05	0.16	0.34	0.45	0.00	0.67	0.40	0.34	0.50	0.27	0.35	0.34	0.09	0.07	0.29	0.35	0.10	0.09	0.07	0.19	0.09	0.12	0.30	0.17	0.29	0.61	0.50	0.47	0.51	0.53	0.47	0.26	0.23	0.26	0.24	0.21	0.26	0.14	0.22	0.12	0.07	1.00	1.00	1.00
7	31	19	0.36	0.21	0.06	0.30	0.60	0.81	0.00	0.77	0.41	0.35	0.55	0.42	0.37	0.48	0.14	0.12	0.39	0.25	0.22	0.17	0.16	0.21	0.11	0.01	0.07	0.05	0.07	0.11	0.04	0.08	0.27	0.25	0.17	0.07	0.06	0.06	0.05	0.03	0.06	0.01	0.06	0.00	0.00	1.00	1.00	1.00
7	31	20	0.40	0.22	0.10	0.47	0.75	0.91	0.00	0.75	0.44	0.39	0.54	0.38	0.40	0.45	0.25	0.22	0.49	0.18	0.36	0.21	0.28	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	21	0.46	0.13	0.06	0.40	0.79	0.88	0.00	0.74	0.50	0.45	0.49	0.35	0.46	0.42	0.30	0.28	0.64	0.13	0.35	0.28	0.16	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	22	0.40	0.10	0.04	0.30	0.80	0.83	0.00	0.71	0.45	0.39	0.44	0.25	0.41	0.33	0.25	0.23	0.71	0.07	0.25	0.34	0.09	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	23	0.34	0.06	0.06	0.30	0.79	0.64	0.00	0.64	0.39	0.33	0.40	0.13	0.35	0.20	0.21	0.19	0.72	0.06	0.23	0.35	0.08	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
7	31	24	0.28	0.04	0.09	0.30	0.74	0.50	0.00	0.57	0.34	0.27	0.39	0.09	0.29	0.16	0.18	0.16	0.80	0.05	0.23	0.37	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	1	0.22	0.06	0.10	0.36	0.65	0.57	0.00	0.52	0.28	0.22	0.35	0.05	0.23	0.12	0.16	0.13	0.80	0.07	0.20	0.36	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	2	0.17	0.06	0.11	0.34	0.54	0.52	0.00	0.43	0.23	0.16	0.32	0.02	0.18	0.09	0.15	0.13	0.71	0.08	0.16	0.36	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	3	0.06	0.05	0.11	0.27	0.47	0.43	0.00	0.35	0.11	0.05	0.27	0.01	0.06	0.08	0.15	0.12	0.76	0.05	0.15	0.32	0.02	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	4	0.00	0.07	0.05	0.18	0.45	0.43	0.00	0.28	0.04	0.00	0.20	0.02	0.00	0.09	0.13	0.11	0.72	0.02	0.16	0.26	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	5	0.00	0.08	0.02	0.15	0.43	0.44	0.00	0.24	0.01	0.00	0.18	0.00	0.00	0.06	0.11	0.09	0.61	0.01	0.17	0.22	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
8	1	6	0.00	0.04	0.00	0.07	0.37	0.43	0.00	0.21	0.02	0.00	0.15	0.00	0.00	0.05	0.10	0.08	0.50	0.01	0.11	0.19	0.00	0.04	0.00	0.00	0.03	0.12	0.03	0.12	0.02	0.02	0.10	0.02	0.03	0.00	0.05	0.01	0.05	0.00	0.01	0.03	0.09	0.03	0.25	1.00	1.00	1.00
8	1	7	0.00	0.02	0.00	0.04	0.25	0.23	0.00	0.11	0.00	0.00	0.11	0.00	0.00	0.03	0.09	0.07	0.30	0.00	0.09	0.11	0.00	0.02	0.00	0.02	0.15	0.28	0.15	0.50	0.40	0.41	0.42	0.25	0.12	0.11	0.00	0.03	0.13	0.02	0.03	0.13	0.22	0.15	0.48	1.00	1.00	1.00
8	1	8	0.00	0.01	0.00	0.01	0.10	0.04	0.00	0.01	0.00	0.00	0.09	0.00	0.00	0.04	0.06	0.04	0.23	0.00	0.10	0.05	0.00	0.01	0.00	0.11	0.29	0.48	0.28	0.72	0.68	0.66	0.67	0.46	0.32	0.20	0.01	0.04	0.08	0.28	0.04	0.28	0.32	0.38	0.73	1.00	1.00	1.00
8	1	9	0.00	0.00	0.00	0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.05	0.05	0.03	0.20	0.00	0.15	0.01	0.00	0.00	0.00	0.26	0.42	0.69	0.41	0.83	0.81	0.80	0.77	0.59	0.65	0.34	0.01	0.09	0.17	0.36	0.09	0.63	0.48	0.64	0.83	1.00	1.00	1.00
8	1	10	0.00	0.01	0.00	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.05	0.05	0.03	0.17	0.00	0.18	0.00	0.04	0.01	0.00	0.37	0.49	0.75	0.48	0.89	0.88	0.86	0.83	0.77	0.83	0.22	0.02	0.09	0.15	0.42	0.09	0.77	0.44	0.72	0.85	1.00	1.00	1.00
8	1	11	0.00	0.11	0.00	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.05	0.03	0.17	0.00	0.20	0.01	0.06	0.11	0.02	0.44	0.53	0.70	0.51	0.92	0.90	0.88	0.75	0.92	0.82	0.20	0.03	0.16	0.12	0.44	0.16	0.87	0.40	0.65	0.63	1.00	1.00	1.00
8	1	12	0.00	0.14	0.00	0.09	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.06	0.04	0.17	0.04	0.24	0.06	0.07	0.14	0.04	0.51	0.57	0.73	0.56	0.93	0.90	0.87	0.71	0.96	0.62	0.44	0.12	0.37	0.24	0.38	0.37	0.79	0.41	0.68	0.68	1.00	1.00	1.00
8	1	13	0.00	0.13	0.00	0.09	0.00	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.04	0.07	0.05	0.16	0.02	0.32	0.18	0.22	0.13	0.04	0.67	0.74	0.57	0.73	0.84	0.87	0.84	0.72	0.97	0.80	0.80	0.70	0.67	0.56	0.59	0.66	0.59	0.38	0.56	0.53	1.00	1.00	1.00
8	1	14	0.06	0.14	0.00	0.17	0.00	0.05	0.00	0.00	0.11	0.05	0.00	0.00	0.07	0.03	0.12	0.10	0.17	0.24	0.38	0.21	0.46	0.14	0.05	0.67	0.75	0.41	0.74	0.69	0.86	0.83	0.78	0.95	0.96	0.74	0.92	0.67	0.47	0.72	0.66	0.47	0.33	0.60	0.29	1.00	1.00	1.00
8	1	15	0.05	0.30	0.00	0.20	0.04	0.08	0.00	0.04	0.11	0.05	0.04	0.02	0.06	0.08	0.13	0.11	0.16	0.44	0.41	0.07	0.20	0.30	0.18	0.60	0.71	0.32	0.69	0.73	0.85	0.80	0.74	0.94	0.87	0.50	0.94	0.70	0.47	0.73	0.70	0.22	0.31	0.49	0.26	1.00	1.00	1.00
8	1	16	0.01	0.36	0.00	0.11	0.12	0.11	0.00	0.18	0.07	0.01	0.19	0.21	0.02	0.30	0.09	0.07	0.17	0.14	0.46	0.02	0.08	0.36	0.24	0.50	0.65	0.24	0.64	0.59	0.80	0.78	0.70	0.87	0.77	0.51	0.89	0.77	0.59	0.65	0.76	0.11	0.27	0.48	0.26	1.00	1.00	1.00
8	1	17	0.07	0.14	0.00	0.13	0.28	0.18	0.00	0.36	0.13	0.06	0.41	0.02	0.08	0.08	0.09	0.07	0.18	0.02	0.49	0.16	0.11	0.14	0.06	0.34	0.55	0.15	0.53	0.58	0.71	0.68	0.65	0.74	0.75	0.37	0.78	0.64	0.54	0.65	0.64	0.06	0.16	0.39	0.16	1.00	1.00	1.00
8	1	18	0.21	0.34	0.00	0.19	0.50	0.26	0.00	0.55	0.27	0.20	0.46	0.10	0.22	0.16	0.12	0.09	0.20	0.10	0.48	0.20	0.18	0.35	0.22	0.12	0.33	0.11	0.33	0.43	0.53	0.48	0.38	0.51	0.52	0.27	0.54	0.43	0.36	0.41	0.43	0.05	0.14	0.27	0.07	1.00	1.00	1.00
8	1	19	0.28	0.17	0.01	0.38	0.74	0.42	0.00	0.68	0.33	0.27	0.41	0.40	0.29	0.47	0.25	0.23	0.24	0.11	0.43	0.05	0.24	0.17	0.07	0.00	0.08	0.01	0.08	0.12	0.02	0.06	0.18	0.27	0.19	0.06	0.17	0.11	0.07	0.09	0.11	0.00	0.03	0.02	0.00	1.00	1.00	1.00
8	1	20	0.36	0.12	0.09	0.46	0.86	0.69	0.00	0.67	0.41	0.35	0.38	0.53	0.37	0.59	0.28	0.26	0.33	0.04	0.43	0.00	0.16	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	21	0.41	0.18	0.11	0.40	0.88	0.82	0.00	0.63	0.46	0.40	0.28	0.47	0.42	0.53	0.27	0.24	0.31	0.11	0.44	0.00	0.13	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	22	0.37	0.12	0.10	0.34	0.89	0.86	0.00	0.61	0.42	0.36	0.30	0.38	0.38	0.44	0.21	0.19	0.45	0.15	0.33	0.06	0.12	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	23	0.28	0.05	0.09	0.26	0.89	0.74	0.00	0.55	0.34	0.28	0.37	0.36	0.29	0.42	0.29	0.27	0.68	0.09	0.30	0.04	0.08	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	1	24	0.19	0.05	0.11	0.27	0.89	0.63	0.00	0.49	0.24	0.18	0.37	0.36	0.19	0.42	0.28	0.26	0.68	0.12	0.31	0.08	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	1	0.12	0.10	0.11	0.37	0.88	0.45	0.00	0.40	0.17	0.11	0.35	0.33	0.13	0.40	0.25	0.22	0.63	0.10	0.26	0.03	0.05	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	2	0.05	0.13	0.10	0.36	0.87	0.64	0.00	0.27	0.11	0.04	0.34	0.25	0.06	0.32	0.17	0.15	0.58	0.11	0.20	0.04	0.02	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	3	0.02	0.06	0.09	0.32	0.87	0.52	0.00	0.20	0.07	0.01	0.34	0.25	0.02	0.32	0.15	0.12	0.50	0.11	0.21	0.12	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	4	0.00	0.06	0.09	0.36	0.85	0.38	0.00	0.21	0.03	0.00	0.28	0.19	0.00	0.26	0.16	0.14	0.37	0.11	0.24	0.20	0.02	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	5	0.00	0.15	0.22	0.34	0.81	0.29	0.00	0.18	0.04	0.00	0.19	0.12	0.00	0.19	0.12	0.10	0.19	0.11	0.25	0.18	0.06	0.15	0.05	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.03	1.00	1.00	1.00
8	2	6	0.00	0.12	0.07	0.34	0.77	0.20	0.00	0.14	0.03	0.00	0.14	0.06	0.00	0.13	0.10	0.08	0.09	0.08	0.20	0.12	0.05	0.12	0.03	0.00	0.11	0.17	0.11	0.11	0.03	0.05	0.14	0.05	0.17	0.26	0.33	0.27	0.23	0.19	0.27	0.34	0.17	0.22	0.19	1.00	1.00	1.00
8	2	7	0.00	0.19	0.00	0.26	0.69	0.19	0.00	0.04	0.03	0.00	0.06	0.00	0.00	0.05	0.07	0.05	0.09	0.09	0.15	0.08	0.02	0.19	0.08	0.02	0.34	0.31	0.33	0.39	0.43	0.45	0.50	0.36	0.56	0.60	0.62	0.59	0.55	0.52	0.59	0.57	0.35	0.45	0.28	1.00	1.00	1.00
8	2	8	0.00	0.18	0.00	0.17	0.61	0.04	0.00	0.00	0.03	0.00	0.04	0.00	0.00	0.02	0.06	0.04	0.05	0.09	0.14	0.06	0.01	0.18	0.08	0.22	0.54	0.41	0.53	0.54	0.64	0.66	0.69	0.54	0.79	0.79	0.80	0.79	0.73	0.71	0.78	0.69	0.46	0.58	0.36	1.00	1.00	1.00
8	2	9	0.00	0.21	0.00	0.12	0.52	0.02	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.02	0.04	0.02	0.10	0.10	0.18	0.03	0.00	0.21	0.11	0.45	0.70	0.51	0.68	0.64	0.76	0.79	0.81	0.70	0.91	0.90	0.90	0.89	0.86	0.85	0.89	0.69	0.56	0.66	0.47	1.00	1.00	1.00
8	2	10	0.00	0.23	0.00	0.10	0.41	0.02	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.02	0.04	0.03	0.09	0.14	0.26	0.02	0.00	0.23	0.12	0.61	0.80	0.64	0.78	0.65	0.86	0.84	0.88	0.91	0.98	0.95	0.93	0.94	0.83	0.91	0.93	0.53	0.61	0.72	0.61	1.00	1.00	1.00
8	2	11	0.01	0.25	0.00	0.07	0.30	0.03	0.00	0.00	0.07	0.00	0.02	0.00	0.02	0.02	0.05	0.04	0.01	0.22	0.29	0.03	0.02	0.25	0.13	0.69	0.82	0.60	0.81	0.70	0.88	0.86	0.90	0.94	1.00	0.95	0.66	0.94	0.93	0.84	0.93	0.57	0.54	0.70	0.66	1.00	1.00	1.00
8	2	12	0.05	0.20	0.00	0.08	0.24	0.03	0.00	0.00	0.11	0.04	0.04	0.00	0.06	0.03	0.09	0.07	0.03	0.30	0.28	0.07	0.02	0.20	0.09	0.73	0.82	0.62	0.80	0.73	0.88	0.85	0.90	0.97	1.00	0.96	0.54	0.82	0.88	0.84	0.81	0.40	0.65	0.72	0.59	1.00	1.00	1.00
8	2	13	0.09	0.18	0.00	0.14	0.25	0.05	0.00	0.04	0.15	0.09	0.12	0.00	0.10	0.05	0.17	0.14	0.07	0.34	0.33	0.06	0.03	0.18	0.07	0.74	0.81	0.59	0.80	0.79	0.83	0.84	0.89	0.97	0.99	0.93	0.56	0.72	0.91	0.79	0.71	0.42	0.61	0.67	0.44	1.00	1.00	1.00
8	2	14	0.13	0.18	0.00	0.25	0.31	0.09	0.00	0.19	0.19	0.12	0.26	0.00	0.14	0.06	0.24	0.22	0.14	0.34	0.34	0.04	0.04	0.18	0.07	0.71	0.80	0.65	0.78	0.73	0.81	0.82	0.87	0.95	0.98	0.92	0.65	0.80	0.80	0.81	0.79	0.60	0.47	0.74	0.53	1.00	1.00	1.00
8	2	15	0.22	0.21	0.03	0.31	0.41	0.15	0.00	0.40	0.28	0.21	0.38	0.00	0.23	0.06	0.23	0.21	0.14	0.27	0.39	0.08	0.08	0.21	0.10	0.65	0.77	0.57	0.76	0.69	0.82	0.82	0.86	0.94	0.94	0.81	0.72	0.72	0.85	0.88	0.72	0.48	0.50	0.67	0.58	1.00	1.00	1.00
8	2	16	0.39	0.34	0.10	0.25	0.49	0.19	0.00	0.66	0.44	0.38	0.43	0.03	0.39	0.09	0.31	0.29	0.06	0.22	0.43	0.11	0.09	0.34	0.23	0.55	0.73	0.47	0.72	0.72	0.79	0.77	0.83	0.87	0.90	0.79	0.84	0.76	0.82	0.81	0.75	0.31	0.48	0.61	0.56	1.00	1.00	1.00
8	2	17	0.46	0.34	0.36	0.29	0.57	0.22	0.03	0.83	0.51	0.45	0.46	0.22	0.47	0.29	0.38	0.36	0.03	0.33	0.33	0.10	0.13	0.34	0.23	0.36	0.59	0.39	0.58	0.61	0.69	0.68	0.72	0.75	0.77	0.71	0.75	0.67	0.66	0.67	0.67	0.40	0.50	0.49	0.28	1.00	1.00	1.00
8	2	18	0.46	0.40	0.60	0.31	0.71	0.23	0.08	0.87	0.51	0.46	0.47	0.41	0.47	0.47	0.33	0.31	0.11	0.29	0.40	0.10	0.25	0.40	0.28	0.13	0.35	0.21	0.35	0.49	0.47	0.49	0.50	0.50	0.48	0.49	0.51	0.41	0.42	0.38	0.40	0.26	0.32	0.27	0.07	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind: CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
8	2	19	0.53	0.14	0.62	0.38	0.86	0.31	0.16	0.86	0.57	0.53	0.44	0.45
8	2	20	0.53	0.09	0.66	0.46	0.92	0.57	0.20	0.79	0.57	0.53	0.42	0.57
8	2	21	0.47	0.08	0.72	0.40	0.93	0.70	0.21	0.76	0.52	0.47	0.47	0.56
8	2	22	0.43	0.07	0.75	0.34	0.93	0.71	0.21	0.75	0.48	0.43	0.49	0.52
8	2	23	0.41	0.07	0.72	0.29	0.91	0.57	0.19	0.74	0.45	0.40	0.48	0.48
8	2	24	0.36	0.08	0.66	0.26	0.87	0.56	0.19	0.72	0.41	0.35	0.44	0.46
8	3	1	0.33	0.08	0.61	0.24	0.84	0.66	0.17	0.68	0.38	0.32	0.43	0.45
8	3	2	0.30	0.06	0.58	0.23	0.81	0.38	0.12	0.66	0.35	0.29	0.42	0.42
8	3	3	0.31	0.06	0.58	0.20	0.78	0.43	0.09	0.65	0.36	0.30	0.36	0.40
8	3	4	0.27	0.07	0.58	0.13	0.75	0.35	0.08	0.59	0.32	0.26	0.28	0.38
8	3	5	0.24	0.07	0.60	0.08	0.69	0.36	0.05	0.51	0.29	0.23	0.21	0.37
8	3	6	0.21	0.08	0.63	0.05	0.61	0.27	0.05	0.47	0.26	0.20	0.16	0.36
8	3	7	0.14	0.11	0.62	0.02	0.49	0.21	0.04	0.37	0.20	0.13	0.11	0.31
8	3	8	0.03	0.10	0.62	0.01	0.27	0.06	0.02	0.23	0.09	0.02	0.06	0.18
8	3	9	0.00	0.10	0.68	0.01	0.08	0.02	0.02	0.12	0.02	0.00	0.03	0.03
8	3	10	0.00	0.12	0.77	0.04	0.01	0.03	0.02	0.05	0.01	0.00	0.04	0.00
8	3	11	0.00	0.14	0.77	0.08	0.00	0.03	0.01	0.02	0.00	0.00	0.04	0.00
8	3	12	0.00	0.17	0.70	0.14	0.00	0.05	0.02	0.04	0.00	0.00	0.05	0.00
8	3	13	0.00	0.20	0.63	0.19	0.00	0.08	0.03	0.11	0.01	0.00	0.05	0.00
8	3	14	0.01	0.24	0.69	0.23	0.00	0.11	0.05	0.26	0.05	0.01	0.13	0.00
8	3	15	0.12	0.33	0.74	0.25	0.01	0.16	0.08	0.50	0.18	0.11	0.27	0.02
8	3	16	0.31	0.31	0.84	0.25	0.06	0.19	0.11	0.70	0.37	0.30	0.39	0.17
8	3	17	0.31	0.27	0.91	0.26	0.19	0.23	0.14	0.81	0.36	0.30	0.45	0.41
8	3	18	0.30	0.28	0.91	0.30	0.40	0.23	0.20	0.85	0.35	0.29	0.45	0.42
8	3	19	0.40	0.25	0.87	0.43	0.67	0.39	0.25	0.87	0.44	0.39	0.42	0.43
8	3	20	0.66	0.22	0.84	0.49	0.80	0.48	0.24	0.86	0.70	0.65	0.44	0.54
8	3	21	0.59	0.23	0.82	0.47	0.82	0.61	0.21	0.84	0.62	0.58	0.50	0.60
8	3	22	0.46	0.26	0.75	0.39	0.81	0.47	0.16	0.83	0.50	0.45	0.58	0.52
8	3	23	0.39	0.28	0.65	0.31	0.79	0.47	0.11	0.79	0.44	0.38	0.59	0.48
8	3	24	0.36	0.23	0.59	0.32	0.76	0.56	0.05	0.77	0.41	0.35	0.56	0.48
8	4	1	0.33	0.18	0.49	0.33	0.69	0.67	0.02	0.75	0.38	0.32	0.51	0.48
8	4	2	0.33	0.22	0.44	0.33	0.58	0.74	0.00	0.73	0.38	0.32	0.46	0.45
8	4	3	0.31	0.25	0.40	0.32	0.47	0.75	0.00	0.72	0.37	0.31	0.38	0.42
8	4	4	0.31	0.34	0.35	0.28	0.37	0.53	0.01	0.71	0.36	0.30	0.30	0.43
8	4	5	0.30	0.38	0.23	0.23	0.31	0.39	0.02	0.69	0.35	0.29	0.27	0.43
8	4	6	0.29	0.31	0.20	0.22	0.30	0.28	0.02	0.66	0.34	0.28	0.22	0.40
8	4	7	0.27	0.24	0.10	0.14	0.23	0.17	0.00	0.59	0.32	0.26	0.16	0.37
8	4	8	0.25	0.18	0.02	0.09	0.09	0.06	0.00	0.53	0.30	0.24	0.16	0.36
8	4	9	0.23	0.14	0.00	0.15	0.01	0.02	0.00	0.55	0.29	0.22	0.16	0.36
8	4	10	0.18	0.13	0.00	0.21	0.00	0.03	0.00	0.58	0.24	0.17	0.16	0.33
8	4	11	0.10	0.13	0.03	0.27	0.00	0.04	0.00	0.50	0.15	0.09	0.19	0.26
8	4	12	0.05	0.14	0.05	0.33	0.01	0.04	0.00	0.44	0.10	0.04	0.22	0.23
8	4	13	0.09	0.14	0.06	0.38	0.04	0.06	0.00	0.49	0.14	0.08	0.29	0.26
8	4	14	0.17	0.16	0.11	0.41	0.13	0.08	0.00	0.61	0.23	0.16	0.38	0.34
8	4	15	0.28	0.20	0.10	0.46	0.25	0.09	0.00	0.73	0.34	0.27	0.45	0.43
8	4	16	0.36	0.26	0.13	0.53	0.42	0.11	0.00	0.81	0.41	0.35	0.50	0.47
8	4	17	0.45	0.24	0.22	0.57	0.59	0.27	0.01	0.86	0.49	0.44	0.50	0.49
8	4	18	0.48	0.24	0.38	0.57	0.71	0.60	0.02	0.88	0.52	0.47	0.48	0.48
8	4	19	0.56	0.25	0.56	0.62	0.82	0.96	0.06	0.84	0.60	0.55	0.53	0.59
8	4	20	0.53	0.26	0.65	0.61	0.88	0.97	0.05	0.78	0.57	0.53	0.60	0.69
8	4	21	0.55	0.34	0.62	0.52	0.88	0.92	0.03	0.77	0.59	0.55	0.65	0.62
8	4	22	0.56	0.33	0.51	0.40	0.87	0.89	0.00	0.77	0.59	0.55	0.71	0.54
8	4	23	0.52	0.30	0.46	0.34	0.84	0.93	0.00	0.78	0.56	0.51	0.72	0.49
8	4	24	0.46	0.38	0.47	0.38	0.80	0.73	0.00	0.76	0.50	0.45	0.71	0.50
8	5	1	0.44	0.50	0.49	0.45	0.75	0.41	0.00	0.74	0.49	0.43	0.68	0.55
8	5	2	0.46	0.58	0.51	0.38	0.76	0.39	0.00	0.70	0.50	0.45	0.66	0.52
8	5	3	0.47	0.68	0.48	0.31	0.80	0.46	0.00	0.65	0.52	0.47	0.61	0.55
8	5	4	0.41	0.74	0.46	0.32	0.84	0.50	0.00	0.57	0.45	0.40	0.52	0.59
8	5	5	0.41	0.72	0.47	0.39	0.85	0.66	0.00	0.50	0.45	0.40	0.47	0.56
8	5	6	0.37	0.64	0.32	0.40	0.84	0.67	0.00	0.41	0.42	0.36	0.46	0.53
8	5	7	0.33	0.44	0.13	0.33	0.80	0.34	0.00	0.28	0.38	0.32	0.40	0.44
8	5	8	0.41	0.31	0.06	0.26	0.76	0.11	0.00	0.22	0.46	0.41	0.40	0.38
8	5	9	0.51	0.26	0.02	0.36	0.77	0.15	0.00	0.24	0.55	0.51	0.37	0.36
8	5	10	0.60	0.19	0.00	0.49	0.78	0.14	0.00	0.27	0.63	0.59	0.26	0.35
8	5	11	0.65	0.14	0.00	0.56	0.80	0.06	0.00	0.36	0.68	0.65	0.28	0.28
8	5	12	0.71	0.15	0.00	0.62	0.83	0.09	0.00	0.50	0.73	0.70	0.33	0.22
8	5	13	0.77	0.16	0.00	0.65	0.86	0.17	0.02	0.57	0.79	0.76	0.43	0.25
8	5	14	0.83	0.17	0.00	0.65	0.88	0.29	0.05	0.62	0.84	0.82	0.51	0.31
8	5	15	0.85	0.19	0.00	0.65	0.89	0.51	0.10	0.65	0.86	0.85	0.56	0.40
8	5	16	0.87	0.20	0.00	0.65	0.90	0.79	0.16	0.66	0.88	0.87	0.61	0.50
8	5	17	0.90	0.24	0.00	0.68	0.92	0.92	0.27	0.70	0.91	0.90	0.64	0.59
8	5	18	0.90	0.26	0.07	0.67	0.94	0.95	0.39	0.72	0.91	0.90	0.68	0.72
8	5	19	0.89	0.29	0.34	0.66	0.93	0.99	0.49	0.71	0.90	0.88	0.81	0.77
8	5	20	0.84	0.35	0.59	0.68	0.92	1.00	0.52	0.71	0.85	0.84	0.84	0.72
8	5	21	0.77	0.42	0.68	0.61	0.89	0.99	0.50	0.65	0.79	0.76	0.80	0.66
8	5	22	0.71	0.46	0.65	0.55	0.85	0.90	0.50	0.63	0.73	0.71	0.77	0.59
8	5	23	0.70	0.36	0.59	0.47	0.80	0.70	0.50	0.60	0.73	0.70	0.79	0.55
8	5	24	0.76	0.40	0.61	0.38	0.77	0.63	0.46	0.54	0.78	0.75	0.81	0.56
8	6	1	0.75	0.50	0.54	0.31	0.73	0.55	0.38	0.51	0.77	0.74	0.82	0.58
8	6	2	0.61	0.60	0.50	0.26	0.68	0.64	0.35	0.49	0.64	0.60	0.82	0.57
8	6	3	0.62	0.58	0.52	0.22	0.65	0.55	0.31	0.46	0.66	0.62	0.82	0.52
8	6	4	0.61	0.57	0.54	0.17	0.62	0.44	0.28	0.42	0.64	0.61	0.78	0.49
8	6	5	0.56	0.58	0.54	0.16	0.58	0.36	0.28	0.41	0.60	0.55	0.77	0.49
8	6	6	0.41	0.56	0.50	0.16	0.49	0.35	0.23	0.38	0.45	0.40	0.73	0.45
8	6	7	0.36	0.48	0.43	0.10	0.40	0.15	0.18	0.31	0.41	0.35	0.62	0.32
8	6	8	0.43	0.43	0.42	0.08	0.32	0.08	0.13	0.25	0.47	0.42	0.58	0.15
8	6	9	0.51	0.34	0.40	0.09	0.21	0.08	0.11	0.29	0.55	0.50	0.54	0.03
8	6	10	0.62	0.27	0.35	0.10	0.13	0.07	0.12	0.37	0.65	0.61	0.49	0.01
8	6	11	0.70	0.24	0.26	0.12	0.07	0.05	0.13	0.45	0.73	0.70	0.49	0.02
8	6	12	0.79	0.22	0.21	0.15	0.07	0.04	0.16	0.52	0.81	0.79	0.56	0.03
8	6	13	0.85	0.25	0.25	0.17	0.11	0.04	0.19	0.55	0.86	0.85	0.60	0.03
8	6	14	0.88	0.26	0.39	0.19	0.17	0.07	0.26	0.60	0.89	0.87	0.60	0.03
8	6	15	0.90	0.37	0.51	0.20	0.30	0.12	0.38	0.63	0.91	0.90	0.60	0.08
8	6	16	0.94	0.27	0.59	0.20	0.45	0.22	0.47	0.67	0.95	0.94	0.62	0.29
8	6	17	0.97	0.32	0.68	0.23	0.58	0.34	0.55	0.70	0.97	0.97	0.64	0.45
8	6	18	0.97	0.39	0.73	0.28	0.66	0.40	0.59	0.71	0.97	0.97	0.67	0.49
8	6	19	0.92	0.43	0.74	0.39	0.72	0.73	0.64	0.71	0.93	0.92	0.71	0.61
8	6	20	0.89	0.53	0.71	0.51	0.78	0.93	0.64	0.71	0.90	0.89	0.83	0.71
8	6	21	0.82	0.52	0.72	0.53	0.78	0.89	0.65	0.66	0.84	0.82	0.85	0.61
8	6	22	0.70	0.45	0.75	0.44	0.77	0.82	0.65	0.63	0.72	0.69	0.78	0.59
8	6	23	0.63	0.48	0.78	0.39	0.75	0.89	0.63	0.60	0.66	0.62	0.81	0.60
8	6	24	0.65	0.59	0.76	0.39	0.74	0.61	0.62	0.56	0.68	0.64	0.81	0.55
8	7	1	0.63	0.57	0.73	0.31	0.74	0.52	0.61	0.50	0.66	0.63	0.80	0.49
8	7	2	0.59	0.48	0.77	0.23	0.73	0.55	0.60	0.46	0.62	0.58	0.80	0.48
8	7	3	0.52	0.39	0.81	0.19	0.71	0.48	0.56	0.41	0.56	0.51	0.74	0.46
8	7	4	0.51	0.46	0.85	0.15	0.66	0.38	0.54	0.38	0.56	0.51	0.68	0.44
8	7	5	0.45	0.54	0.86	0.12	0.56	0.37	0.53	0.35	0.49	0.44	0.62	0.44
8	7	6	0.37	0.40	0.82	0.10	0.47	0.34	0.49	0.30	0.42	0.36	0.54	0.46
8	7	7	0.29	0.31	0.75	0.03	0.42	0.19	0.43	0.25	0.34	0.28	0.43	0.43
8	7	8	0.31	0.31	0.74	0.01	0.38	0.10	0.39	0.20	0.36	0.30	0.38	0.41
8	7	9	0.34	0.29	0.79	0.01	0.30	0.11	0.35	0.16	0.39	0.33	0.40	0.43
8	7	10	0.37	0.28	0.83	0.01	0.21	0.08	0.33	0.14	0.42	0.36	0.43	0.43
8	7	11	0.46	0.27	0.86	0.01	0.10	0.04	0.33	0.15	0.51	0.46	0.45	0.40
8	7	12	0.54	0.26	0.87	0.02	0.02	0.04	0.34	0.23	0.58	0.54	0.41	0.37
8	7	13	0.57	0.29	0.87	0.04	0.00	0.05	0.37	0.34	0.61	0.57	0.43	0.40
8	7	14	0.58	0.32	0.92	0.06	0.01	0.08	0.41	0.43	0.62	0.58	0.47	0.42
8	7	15	0.61	0.32	0.97	0.07	0.05	0.12	0.48	0.52	0.64	0.61	0.52	0.43
8	7	16	0.63	0.37	0.90	0.10	0.19	0.16	0.53	0.60	0.66	0.62	0.55	0.43
8	7	17	0.67	0.45	0.95	0.13	0.44	0.22	0.56	0.67	0.70	0.67	0.56	0.41
8	7	18	0.74	0.47	0.91	0.20	0.66	0.31	0.59	0.71	0.77	0.74	0.55	0.42
8	7	19	0.74	0.34	0.87	0.32	0.80	0.76	0.63	0.71	0.76	0.73	0.58	0.50
8	7	20	0.70	0.34	0.82	0.43	0.84	0.90	0.65	0.66	0.73	0.70	0.60	0.62
8	7	21	0.62	0.29	0.83	0.43	0.83	0.85	0.68	0.60	0.65	0.61	0.48	0.68
8	7	22	0.57	0.29	0.86	0.36	0.81	0.72	0.69	0.57	0.60	0.56	0.39	0.61
8	7	23	0.52	0.31	0.91	0.34	0.79	0.60	0.69	0.57	0.56	0.52	0.26	0.60
8	7	24	0.45	0.36	0.89	0.31	0.75	0.68	0.67	0.53	0.49	0.44	0.19	0.57
8	8	1	0.39	0.38	0.85	0.29	0.69	0.66	0.63	0.48	0.44	0.38	0.16	0.55
8	8	2	0.36	0.39	0.84	0.22	0.63	0.40	0.61	0.42	0.41	0.36	0.13	0.55
8	8	3	0.36	0.40	0.85	0.19	0.56	0.42	0.59	0.35	0.41	0.35	0.09	0.54
8	8	4	0.31	0.46	0.84	0.15	0.50	0.41	0.57	0.30	0.37	0.31	0.06	0.53
8	8	5	0.23	0.56	0.75	0.12	0.47	0.40	0.55	0.25	0.28	0.22	0.04	0.47
8	8	6	0.13	0.52	0.70	0.09	0.44	0.41	0.53	0.18	0.19	0.12	0.02	0.41
8	8	7	0.04	0.38	0.69	0.03	0.38	0.19	0.49	0.08	0.09	0.03	0.00	0.29
8	8	8	0.02	0.36	0.72	0.01	0.33	0.04	0.44	0.01	0.07	0.01	0.00	0.08
8	8	9	0.03	0.31	0.71	0.01	0.22	0.05	0.41	0.00	0.08	0.02	0.00	0.00

Month	Day	Hour	Wind: Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	Solar: BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S
8	2	19	0.54	0.50	0.38	0.36	0.40	0.16	0.38	0.09	0.36	0.14	0.05	0.00	0.09	0.05	0.09	0.10	0.07	0.12	0.24
8	2	20	0.54	0.63	0.57	0.55	0.37	0.15	0.35	0.10	0.39	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2	21	0.48	0.60	0.40	0.38	0.36	0.14	0.28	0.07	0.33	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2	22	0.44	0.57	0.36	0.34	0.40	0.13	0.29	0.03	0.23	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2	23	0.41	0.53	0.44	0.42	0.49	0.08	0.37	0.04	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2	24	0.37	0.52	0.52	0.50	0.38	0.05	0.31	0.07	0.13	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	1	0.34	0.50	0.52	0.51	0.51	0.07	0.22	0.11	0.17	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	2	0.31	0.48	0.49	0.47	0.41	0.10	0.19	0.10	0.22	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	3	0.31	0.46	0.44	0.42	0.14	0.17	0.23	0.06	0.21	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	4	0.28	0.44	0.40	0.38	0.02	0.25	0.24	0.05	0.19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	5	0.25	0.43	0.36	0.34	0.05	0.25	0.22	0.03	0.15	0.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	3	6	0.22	0.42	0.31	0.29	0.17	0.22	0.24	0.01	0.10	0.08	0.01	0.00	0.08	0.20	0.07	0.09	0.01	0.03	0.10
8	3	7	0.15	0.38	0.20	0.18	0.06	0.15	0.27	0.00	0.06	0.11	0.02	0.02	0.31	0.43	0.31	0.50	0.41	0.43	0.46
8	3	8	0.04	0.26	0.09	0.07	0.02	0.08	0.26	0.00	0.07	0.10	0.02	0.22	0.54	0.60	0.53	0.76	0.67	0.66	0.69
8	3	9	0.00	0.09	0.08	0.06	0.01	0.03	0.28	0.00	0.06	0.10	0.01	0.45	0.71	0.75	0.70	0.88	0.80	0.79	0.79
8	3	10	0.00	0.03	0.11	0.09	0.01	0.00	0.27	0.00	0.04	0.12	0.03	0.63	0.82	0.79	0.81	0.94	0.88	0.85	0.88
8	3	11	0.00	0.03	0.14	0.12	0.03	0.00	0.27	0.00	0.06	0.14	0.05	0.73	0.86	0.83	0.85	0.94	0.89	0.86	0.89
8	3	12	0.00	0.05	0.20	0.17	0.06	0.00	0.32	0.08	0.08	0.17	0.07	0.77	0.87	0.75	0.85	0.93	0.88	0.85	0.89
8	3	13	0.00	0.05	0.26	0.24	0.27	0.00	0.31	0.09	0.10	0.20	0.10	0.79	0.87	0.75	0.85	0.93	0.85	0.83	0.83
8	3	14	0.01	0.06	0.32	0.30	0.35	0.01	0.27	0.06	0.10	0.24	0.13	0.75	0.85	0.68	0.83	0.92	0.83	0.82	0.87
8	3	15	0.13	0.09	0.35	0.33	0.21	0.02	0.27	0.07	0.11	0.33	0.22	0.67	0.80	0.66	0.78	0.89	0.82	0.80	0.85
8	3	16	0.32	0.24	0.38	0.36	0.22	0.05	0.22	0.00	0.12	0.31	0.20	0.55	0.72	0.67	0.70	0.83	0.78	0.76	0.78
8	3	17	0.32	0.48	0.37	0.35	0.28	0.05	0.24	0.03	0.09	0.27	0.16	0.36	0.58	0.48	0.57	0.76	0.69	0.66	0.67
8	3	18	0.31	0.48	0.38	0.36	0.40	0.03	0.24	0.01	0.18	0.28	0.16	0.13	0.34	0.28	0.33	0.60	0.50	0.45	0.44
8	3	19	0.41	0.48	0.39	0.37	0.21	0.15	0.27	0.03	0.48	0.25	0.14	0.00	0.09	0.09	0.09	0.10	0.07	0.24	0.20
8	3	20	0.66	0.59	0.48	0.46	0.13	0.35	0.25	0.08	0.55	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	21	0.59	0.65	0.47	0.45	0.17	0.13	0.27	0.18	0.48	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	22	0.47	0.57	0.41	0.39	0.16	0.05	0.27	0.27	0.34	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	23	0.40	0.53	0.32	0.29	0.15	0.03	0.25	0.33	0.21	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	3	24	0.37	0.54	0.25	0.22	0.20	0.05	0.28	0.33	0.17	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	1	0.34	0.53	0.18	0.15	0.28	0.07	0.33	0.34	0.19	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	2	0.33	0.51	0.15	0.13	0.29	0.04	0.35	0.42	0.23	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	3	0.32	0.48	0.15	0.13	0.35	0.03	0.40	0.32	0.28	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	4	0.32	0.49	0.12	0.10	0.33	0.02	0.48	0.19	0.37	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	5	0.31	0.49	0.10	0.08	0.27	0.03	0.56	0.16	0.37	0.38	0.27	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	4	6	0.30	0.46	0.09	0.07	0.23	0.05	0.44	0.12	0.31	0.31	0.20	0.00	0.05	0.21	0.05	0.14	0.01	0.02	0.08
8	4	7	0.28	0.43	0.04	0.03	0.12	0.02	0.33	0.06	0.19	0.24	0.13	0.03	0.29	0.45	0.28	0.53	0.37	0.38	0.46
8	4	8	0.26	0.43	0.03	0.02	0.07	0.02	0.27	0.05	0.13	0.18	0.08	0.22	0.53	0.67	0.52	0.77	0.66	0.66	0.69
8	4	9	0.24	0.42	0.05	0.03	0.10	0.04	0.21	0.06	0.05	0.14	0.04	0.45	0.70	0.81	0.69	0.88	0.78	0.78	0.81
8	4	10	0.19	0.40	0.09	0.07	0.09	0.06	0.14	0.13	0.02	0.13	0.03	0.63	0.82	0.87	0.80	0.95	0.86	0.84	0.88
8	4	11	0.10	0.33	0.13	0.11	0.11	0.05	0.11	0.21	0.04	0.13	0.04	0.73	0.87	0.87	0.85	0.96	0.89	0.85	0.90
8	4	12	0.06	0.30	0.17	0.15	0.23	0.02	0.10	0.26	0.12	0.14	0.04	0.78	0.88	0.88	0.86	0.96	0.87	0.84	0.89
8	4	13	0.10	0.33	0.22	0.20	0.30	0.04	0.13	0.28	0.14	0.14	0.04	0.79	0.88	0.81	0.86	0.95	0.85	0.82	0.87
8	4	14	0.18	0.41	0.25	0.23	0.32	0.06	0.11	0.28	0.31	0.16	0.06	0.76	0.85	0.78	0.84	0.94	0.82	0.81	0.87
8	4	15	0.29	0.49	0.27	0.24	0.38	0.07	0.05	0.28	0.14	0.20	0.10	0.68	0.80	0.76	0.79	0.92	0.81	0.81	0.86
8	4	16	0.37	0.53	0.28	0.26	0.40	0.10	0.03	0.27	0.09	0.27	0.15	0.54	0.71	0.66	0.69	0.89	0.78	0.77	0.81
8	4	17	0.45	0.54	0.30	0.28	0.42	0.15	0.02	0.28	0.27	0.24	0.14	0.34	0.54	0.52	0.53	0.81	0.68	0.67	0.69
8	4	18	0.49	0.53	0.30	0.28	0.50	0.31	0.03	0.33	0.37	0.24	0.13	0.12	0.31	0.31	0.30	0.64	0.50	0.47	0.43
8	4	19	0.56	0.64	0.32	0.29	0.50	0.23	0.10	0.40	0.39	0.25	0.14	0.00	0.08	0.10	0.07	0.12	0.02	0.20	0.19
8	4	20	0.54	0.73	0.34	0.32	0.59	0.33	0.17	0.45	0.56	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	21	0.56	0.66	0.30	0.28	0.62	0.50	0.17	0.51	0.55	0.34	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	22	0.56	0.59	0.29	0.26	0.64	0.79	0.12	0.56	0.15	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	23	0.53	0.54	0.25	0.23	0.74	0.85	0.09	0.61	0.01	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	4	24	0.46	0.55	0.21	0.19	0.71	0.82	0.10	0.65	0.03	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	1	0.45	0.61	0.15	0.13	0.65	0.80	0.11	0.76	0.17	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	2	0.46	0.57	0.10	0.08	0.55	0.81	0.13	0.77	0.38	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	3	0.48	0.59	0.06	0.04	0.46	0.85	0.19	0.73	0.43	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	4	0.42	0.63	0.04	0.03	0.36	0.83	0.17	0.66	0.39	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	5	0.41	0.61	0.03	0.02	0.31	0.81	0.20	0.62	0.35	0.72	0.65	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
8	5	6	0.37	0.58	0.04	0.03	0.21	0.76	0.18	0.58	0.36	0.64	0.56	0.00	0.06	0.20	0.06	0.14	0.01	0.03	0.11
8	5	7	0.34	0.50	0.04	0.03	0.08	0.72	0.09	0.51	0.35	0.44	0.35	0.02	0.29	0.41	0.28	0.54	0.34	0.43	0.49
8	5	8	0.42	0.44	0.04	0.03	0.05	0.82	0.06	0.51	0.30	0.31	0.21	0.22	0.52	0.57	0.51	0.77	0.58	0.66	0.71
8	5	9	0.52	0.42	0.08	0.06	0.11	0.84	0.04	0.52	0.26	0.26	0.15	0.45	0.70	0.69	0.69	0.89	0.75	0.79	0.84
8	5	10	0.60	0.41	0.16	0.14	0.06	0.86	0.02	0.50	0.19	0.18	0.08	0.62	0.80	0.80	0.79	0.95	0.76	0.86	0.91
8	5	11	0.66	0.35	0.21	0.19	0.14	0.84	0.02	0.51	0.14	0.14	0.04	0.73	0.86	0.79	0.84	0.93	0.86	0.89	0.93
8	5	12	0.71	0.29	0.23	0.21	0.18	0.83	0.10	0.55	0.13	0.15	0.05	0.78	0.88	0.79	0.86	0.95	0.78	0.88	0.93
8	5	13	0.77	0.33	0.26	0.24	0.22	0.88	0.12	0.57	0.15	0.16	0.06	0.81	0.90	0.78	0.88	0.91	0.79	0.86	0.90
8	5	14	0.83	0.37	0.27	0.24	0.33	0.90	0.03	0.60	0.18	0.17	0.07	0.78	0.88	0.66	0.87	0.92	0.82	0.85	0.89
8	5	15	0.85	0.46	0.28	0.26	0.25	0.95	0.04	0.62	0.16	0.19	0.08	0.70	0.83	0.70	0.81	0.92	0.75	0.84	0.87
8	5	16	0.87	0.56	0.28	0.26	0.57	0.99	0.11	0.63	0.06	0.20	0.09	0.55	0.72	0.62	0.71	0.80	0.70	0.79	0.84
8	5	17	0.90	0.64	0.29	0.26	0.33	0.99	0.35	0.68	0.03	0.24	0.13	0.35	0.56	0.52	0.55	0.72	0.60	0.70	0.74
8	5	18	0.91	0.75	0.26	0.24	0.16	0.98	0.48	0.71	0.02	0.26	0.15	0.12	0.34	0.33	0.33	0.60	0.42	0.49	0.52
8	5	19	0.89	0.80	0.25	0.23	0.06	0.96	0.49	0.71	0.01	0.29	0.18	0.00	0.10	0.11	0.10	0.16	0.18	0.27	0.23
8	5	20	0.84	0.75	0.31	0.29	0.06	0.95	0.38	0.70	0.03	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	21	0.77	0.69	0.39	0.37	0.12	0.95	0.39	0.71	0.07	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	22	0.71	0.63	0.42	0.41	0.08	0.94	0.35	0.73	0.12	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	23	0.71	0.60	0.25	0.23	0.03	0.93	0.15	0.76	0.12	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	5	24	0.76	0.61	0.29	0.27	0.02	0.94	0.08	0.65	0.15	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	1	0.75	0.62	0.31	0.29	0.06	0.95	0.05	0.59	0.22	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	2	0.61	0.61	0.27	0.24	0.12	0.93	0.21	0.59	0.27	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	3	0.63	0.57	0.24	0.22	0.23	0.87	0.29	0.62	0.21	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	4	0.62	0.54	0.22	0.20	0.29	0.87	0.32	0.62	0.13	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	5	0.56	0.54	0.21	0.18	0.27	0.86	0.37	0.62	0.09	0.58	0.50	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
8	6	6	0.41	0.51	0.17	0.15	0.27	0.84	0.29	0.56	0.10	0.56	0.47	0.00	0.07	0.27	0.07	0.07	0.00	0.02	0.11
8	6	7	0.37	0.39	0.10	0.08	0.20	0.88	0.31	0.49	0.08	0.48	0.39	0.02	0.27	0.51	0.27	0.39	0.16	0.43	0.50
8	6	8	0.43	0.22	0.05	0.04	0.11	0.93	0.37	0.52	0.03	0.43	0.33	0.22	0.49	0.71	0.48	0.61	0.24	0.68	0.73
8	6	9	0.51	0.09	0.04	0.03	0.07	0.94	0.33	0.56	0.03	0.34	0.24	0.44	0.68	0.80	0.66	0.80	0.37	0.82	0.86
8	6	10	0.62	0.07	0.04	0.02	0.07	0.95	0.20	0.59	0.01	0.27	0.16	0.61	0.79	0.85	0.78	0.89	0.49	0.89	0.93
8	6	11	0.70	0.09	0.06	0.05	0.12	0.95	0.15	0.63	0.01	0.24	0.13	0.72	0.85	0.87	0.83	0.92	0.54	0.92	0.94
8	6	12	0.79	0.10	0.11	0.09	0.17	0.94	0.12	0.67	0.04	0.22	0.12	0.81	0.91	0.87	0.89	0.93	0.82	0.91	0.94
8	6	13	0.85	0.10	0.13	0.11	0.23	0.95	0.12	0.71	0.06	0.25	0.14	0.84	0.92	0.82	0.90	0.94	0.87	0.89	0.92
8	6	14	0.88	0.10	0.23	0.21	0.17	0.97	0.15	0.72	0.09	0.26	0.15	0.80	0.90	0.79	0.89	0.92	0.88	0.88	0.92
8	6	15	0.91	0.15	0.19	0.17	0.15	0.98	0.17	0.74	0.12	0.37	0.25	0.73	0.86	0.75	0.85	0.87	0.88	0.87	0.91
8	6	16	0.94	0.36	0.21	0.19	0.19	0.98	0.12	0.73	0.17	0.27	0.17	0.60	0.79	0.66	0.77	0.91	0.84	0.83	0.86
8	6	17	0.97	0.51	0.37	0.35	0.23	0.98	0.19	0.74	0.29	0.32	0.22	0.38	0.62	0.56	0.61	0.80	0.73	0.72	0.74
8	6	18	0.97	0.54	0.39	0.37	0.33	0.96	0.25	0.72	0.31	0.39	0.29	0.13	0.36	0.33	0.36	0.57	0.52	0.51	0.50
8	6	19	0.92	0.65	0.33	0.31	0.43	0.90	0.24	0.69	0.45	0.43	0.33	0.00	0.09	0.11	0.09	0.10	0.07	0.28	0.21
8	6	20	0.89	0.75	0.41	0.39	0.67	0.88	0.18	0.73	0.56	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	21	0.82	0.65	0.44	0.42	0.75	0.83	0.16	0.81	0.60	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	22	0.70	0.63	0.46	0.44	0.66	0.82	0.24	0.77	0.63	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	23	0.63	0.65	0.49	0.47	0.49	0.84	0.26	0.64	0.67	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	6	24	0.65	0.60	0.46	0.45	0.38	0.80	0.16	0.54	0.71	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	1	0.64	0.54	0.47	0.45	0.29	0.75	0.10	0.43	0.69	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	2	0.59	0.54	0.47	0.45	0.27	0.76	0.10	0.39	0.63	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	3	0.53	0.52	0.45	0.43	0.23	0.76	0.10	0.44	0.58	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	4	0.52	0.50	0.41	0.39	0.17	0.74	0.09	0.44	0.51	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	5	0.45	0.50	0.39	0.37	0.11	0.72	0.07	0.36	0.49	0.54	0.44	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	7	6	0.38	0.52	0.37	0.35	0.09	0.67	0.04	0.29	0.38	0.40	0.30	0.00	0.08	0.28	0.08	0.11	0.00	0.01	0.09
8	7	7	0.29	0.49	0.28	0.25	0.05	0.66	0.03	0.25	0.20	0.31	0.21	0.02	0.33	0.56	0.32	0.52	0.30	0.40	0.48
8	7	8	0.32	0.46	0.23	0.21	0.04	0.75	0.07	0.24	0.12	0.31	0.20	0.24	0.56	0.76	0.55	0.76	0.49	0.67	0.72
8	7	9	0.35	0.49	0.21	0.19	0.03	0.79	0.09	0.28	0.08	0.29	0.18	0.48	0.74	0.89	0.73	0.90	0.68	0.82	0.85
8	7	10	0.38	0.49	0.22	0.20	0.02	0.81	0.11	0.35	0.06	0.28	0.17	0.65	0.85	0.96	0.83	0.97	0.77	0.89	0.92
8	7	11	0.47	0.46	0.25	0.23	0.04	0.83	0.17	0.46	0.04	0.27	0.16	0.77	0.92	0.96	0.90	1.00	0.90	0.92	0.95
8	7	12	0.55	0.43	0.30	0.28	0.06	0.81	0.18	0.53	0.03	0.26	0.15	0.83	0.94	0.96	0.92	0.99	0.92	0.91	0.95
8	7	13	0.58	0.46	0.35	0.33	0.12	0.83	0.29	0.59	0.04	0.29	0.18	0.84	0.93	0.93	0.91	0.95	0.90	0.89	0.93
8	7	14	0.59	0.48	0.41	0.39	0.30	0.84	0.21	0.61	0.06	0.32	0.21	0.80	0.90	0.91	0.89	0.91	0.88	0.88	0.92
8	7	15	0.62	0.49	0.48	0.46	0.25	0.84	0.22	0.60	0.11	0.32	0.22	0.73	0.87	0.89	0.85	0.94	0.88	0.87	0.91
8	7	16	0.64	0.49	0.53	0.51	0.07	0.85	0.36	0.55	0.17	0.37	0.27	0.59	0.78	0.80	0.76	0.91	0.84	0.82	0.86
8	7	17	0.68	0.47	0.56	0.54	0.10	0.86	0.36	0.51	0.24	0.45	0.34	0.38	0.62	0.63	0.61	0.83	0.73	0.72	0.76
8	7	18	0.75	0.47	0.56	0.54	0.20	0.85	0.26	0.52	0.38	0.47	0.36	0.14	0.37	0.38	0.36	0.64	0.53	0.48	0.52
8	7	19	0.74	0.55	0.53	0.51	0.08	0.81	0.27	0.50	0.52	0.34	0.24	0.00	0.10	0.11	0.10	0.08	0.24	0.26	0.21
8	7	20	0.71	0.67	0.57	0.55	0.03	0.79	0.24	0.49	0.55	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	21	0.62	0.72	0.57	0.55	0.03	0.76	0.38	0.47	0.50	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	22	0.57	0.65	0.53	0.52	0.05	0.77	0.50	0.40	0.41	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	23	0.53	0.65	0.46	0.44	0.15	0.78	0.54	0.29	0.32	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	7	24	0.46	0.62	0.42	0.40	0.28	0.80	0.62	0.20	0.25	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	1	0.40	0.59	0.38	0.36	0.42	0.84	0.70	0.12	0.19	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	2	0.37	0.60	0.36	0.34	0.40	0.87	0.80	0.08	0.14	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	3	0.37	0.59	0.34	0.32	0.36	0.84	0.75	0.06	0.11	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	4	0.32	0.58	0.28	0.26	0.25	0.72	0.71	0.03	0.09	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	5	0.24	0.52	0.26	0.24	0.17	0.55	0.65	0.03	0.06	0.56	0.46	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
8	8	6	0.14	0.47	0.24	0.22	0.07	0.54	0.48	0.03	0.03	0.52	0.42	0.00	0.08	0.31	0.08	0.12	0.01	0.01	0.09
8	8	7	0.05	0.37	0.15	0.13	0.02	0.43	0.35	0.03	0.00	0.38	0.28	0.02	0.33	0.59	0.33	0.53	0.35	0.43	0.47
8	8	8	0.03	0.15	0.11	0.09	0.01	0.38	0.34	0.01	0.00	0.36	0.25	0.24	0.56	0.78	0.55	0.77	0.58	0.67	0.72
8	8	9	0.04	0.04	0.12	0.09	0.00	0.33	0.41	0.02	0.00	0.31	0.20	0.47	0.73	0.90	0.72	0.90	0.73	0.81	0.85

Month	Day	Hour	Solar: Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
8	2	19	0.25	0.17	0.16	0.15	0.11	0.09	0.07	0.11	0.07	0.10	0.02	0.00	1.00	1.00	1.00
8	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	1.00	1.00	1.00
8	3	6	0.02	0.13	0.21	0.25	0.18	0.14	0.11	0.18	0.31	0.26	0.11	0.13	1.00	1.00	1.00
8	3	7	0.26	0.53	0.57	0.58	0.52	0.41	0.45	0.51	0.54	0.58	0.37	0.23	1.00	1.00	1.00
8	3	8	0.48	0.79	0.75	0.79	0.75	0.70	0.69	0.75	0.70	0.75	0.51	0.31	1.00	1.00	1.00
8	3	9	0.71	0.92	0.89	0.89	0.88	0.81	0.84	0.87	0.83	0.84	0.70	0.41	1.00	1.00	1.00
8	3	10	0.89	0.99	0.94	0.94	0.93	0.88	0.89	0.92	0.79	0.87	0.78	0.42	1.00	1.00	1.00
8	3	11	0.92	1.00	0.88	0.95	0.94	0.90	0.91	0.93	0.73	0.84	0.81	0.62	1.00	1.00	1.00
8	3	12	0.93	1.00	0.91	0.94	0.92	0.81	0.82	0.91	0.60	0.78	0.77	0.53	1.00	1.00	1.00
8	3	13	0.88	0.98	0.93	0.93	0.92	0.89	0.83	0.91	0.83	0.69	0.70	0.64	1.00	1.00	1.00
8	3	14	0.86	0.97	0.94	0.93	0.86	0.86	0.83	0.85	0.57	0.65	0.61	0.54	1.00	1.00	1.00
8	3	15	0.84	0.95	0.92	0.90	0.78	0.82	0.74	0.78	0.67	0.67	0.55	0.51	1.00	1.00	1.00
8	3	16	0.80	0.90	0.76	0.84	0.73	0.79	0.78	0.72	0.66	0.62	0.50	0.71	1.00	1.00	1.00
8	3	17	0.66	0.77	0.73	0.71	0.57	0.65	0.65	0.56	0.51	0.45	0.43	0.45	1.00	1.00	1.00
8	3	18	0.45	0.51	0.48	0.43	0.34	0.38	0.37	0.33	0.38	0.36	0.21	0.16	1.00	1.00	1.00
8	3	19	0.22	0.18	0.15	0.11	0.08	0.07	0.06	0.08	0.12	0.13	0.02	0.00	1.00	1.00	1.00
8	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
8	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	1.00	1.00	1.00
8	4	6	0.01	0.06	0.12	0.17	0.13	0.06	0.05	0.13	0.21	0.16	0.09	0.38	1.00	1.00	1.00
8	4	7	0.28	0.47	0.39	0.50	0.47	0.39	0.43	0.47	0.48	0.48	0.25	0.64	1.00	1.00	1.00
8	4	8	0.57	0.77	0.67	0.76	0.65	0.70	0.71	0.65	0.70	0.72	0.39	0.84	1.00	1.00	1.00
8	4	9	0.77	0.91	0.85	0.88	0.74	0.84	0.83	0.73	0.81	0.83	0.63	0.87	1.00	1.00	1.00
8	4	10	0.86	0.98	0.95	0.93	0.91	0.89	0.90	0.91	0.85	0.85	0.72	0.89	1.00	1.00	1.00
8	4	11	0.88	0.99	0.96	0.95	0.95	0.93	0.89	0.94	0.82	0.83	0.74	0.84	1.00	1.00	1.00
8	4	12	0.90	0.98	0.96	0.91	0.90	0.94	0.89	0.90	0.82	0.81	0.81	0.81	1.00	1.00	1.00
8	4	13	0.89	0.95	0.90	0.93	0.93	0.91	0.90	0.92	0.64	0.83	0.75	0.70	1.00	1.00	1.00
8	4	14	0.84	0.96	0.90	0.91	0.91	0.89	0.87	0.90	0.65	0.85	0.68	0.64	1.00	1.00	1.00
8	4	15	0.85	0.84	0.90	0.90	0.83	0.84	0.85	0.83	0.64	0.79	0.52	0.78	1.00	1.00	1.00
8	4	16	0.82	0.88	0.77	0.80	0.62	0.71	0.74	0.61	0.53	0.64	0.42	0.77	1.00	1.00	1.00
8	4	17	0.69	0.76	0.61	0.68	0.44	0.46	0.58	0.44	0.51	0.59	0.27	0.50	1.00	1.00	1.00
8	4	18	0.44	0.47	0.45	0.28	0.27	0.21	0.33	0.27	0.37	0.40	0.12	0.14	1.00	1.00	1.00
8	4	19	0.21	0.16	0.13	0.06	0.06	0.04	0.06	0.06	0.11	0.12	0.01	0.00	1.00	1.00	1.00
8	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.08	1.00	1.00	1.00
8	5	6	0.01	0.11	0.16	0.14	0.09	0.11	0.07	0.09	0.31	0.16	0.03	0.46	1.00	1.00	1.00
8	5	7	0.15	0.45	0.53	0.49	0.47	0.45	0.39	0.47	0.50	0.44	0.14	0.76	1.00	1.00	1.00
8	5	8	0.35	0.75	0.76	0.76	0.74	0.72	0.68	0.73	0.66	0.63	0.24	0.92	1.00	1.00	1.00
8	5	9	0.50	0.94	0.91	0.90	0.88	0.86	0.83	0.88	0.77	0.71	0.38	0.98	1.00	1.00	1.00
8	5	10	0.57	1.00	0.97	0.96	0.90	0.92	0.91	0.89	0.79	0.81	0.45	0.93	1.00	1.00	1.00
8	5	11	0.60	1.00	0.99	0.97	0.97	0.96	0.93	0.96	0.59	0.82	0.45	0.97	1.00	1.00	1.00
8	5	12	0.68	1.00	0.99	0.96	0.96	0.95	0.94	0.95	0.63	0.88	0.41	0.90	1.00	1.00	1.00
8	5	13	0.94	1.00	0.97	0.95	0.95	0.94	0.93	0.94	0.69	0.87	0.46	0.70	1.00	1.00	1.00
8	5	14	0.97	0.98	0.96	0.94	0.90	0.92	0.92	0.89	0.58	0.88	0.29	0.46	1.00	1.00	1.00
8	5	15	0.96	0.93	0.90	0.91	0.90	0.86	0.88	0.89	0.70	0.86	0.29	0.56	1.00	1.00	1.00
8	5	16	0.91	0.84	0.86	0.76	0.66	0.83	0.79	0.66	0.72	0.81	0.24	0.41	1.00	1.00	1.00
8	5	17	0.75	0.70	0.68	0.68	0.53	0.65	0.58	0.53	0.69	0.66	0.16	0.29	1.00	1.00	1.00
8	5	18	0.48	0.45	0.49	0.46	0.31	0.35	0.30	0.31	0.46	0.48	0.14	0.08	1.00	1.00	1.00
8	5	19	0.21	0.14	0.15	0.11	0.06	0.07	0.05	0.06	0.15	0.17	0.00	0.00	1.00	1.00	1.00
8	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.09	1.00	1.00	1.00
8	6	6	0.01	0.09	0.20	0.26	0.20	0.09	0.09	0.20	0.32	0.26	0.09	0.49	1.00	1.00	1.00
8	6	7	0.13	0.36	0.57	0.60	0.54	0.40	0.37	0.54	0.57	0.57	0.21	0.77	1.00	1.00	1.00
8	6	8	0.27	0.72	0.80	0.80	0.77	0.70	0.66	0.76	0.74	0.75	0.41	0.92	1.00	1.00	1.00
8	6	9	0.52	0.95	0.92	0.91	0.90	0.83	0.84	0.89	0.84	0.85	0.43	0.93	1.00	1.00	1.00
8	6	10	0.69	1.00	0.98	0.96	0.96	0.90	0.92	0.95	0.87	0.90	0.52	0.84	1.00	1.00	1.00
8	6	11	0.73	1.00	1.00	0.99	0.97	0.92	0.95	0.96	0.84	0.91	0.55	0.90	1.00	1.00	1.00
8	6	12	0.89	1.00	1.00	0.98	0.97	0.95	0.93	0.96	0.86	0.90	0.53	0.87	1.00	1.00	1.00
8	6	13	0.99	1.00	0.99	0.96	0.96	0.93	0.92	0.95	0.86	0.89	0.44	0.70	1.00	1.00	1.00
8	6	14	0.99	1.00	0.99	0.96	0.93	0.92	0.91	0.92	0.86	0.89	0.52	0.53	1.00	1.00	1.00
8	6	15	0.99	1.00	0.97	0.94	0.92	0.88	0.87	0.91	0.85	0.87	0.52	0.38	1.00	1.00	1.00
8	6	16	0.92	0.96	0.92	0.88	0.85	0.81	0.82	0.84	0.80	0.84	0.46	0.23	1.00	1.00	1.00
8	6	17	0.76	0.81	0.78	0.73	0.70	0.66	0.65	0.70	0.69	0.72	0.40	0.15	1.00	1.00	1.00
8	6	18	0.50	0.52	0.50	0.47	0.43	0.41	0.37	0.43	0.44	0.51	0.20	0.03	1.00	1.00	1.00
8	6	19	0.21	0.17	0.15	0.11	0.09	0.07	0.05	0.09	0.13	0.17	0.01	0.00	1.00	1.00	1.00
8	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	1.00	1.00	1.00
8	7	6	0.01	0.10	0.21	0.29	0.24	0.19	0.14	0.24	0.35	0.29	0.22	0.35	1.00	1.00	1.00
8	7	7	0.35	0.53	0.59	0.62	0.58	0.54	0.46	0.58	0.62	0.60	0.54	0.62	1.00	1.00	1.00
8	7	8	0.65	0.81	0.80	0.80	0.79	0.76	0.70	0.78	0.78	0.77	0.71	0.85	1.00	1.00	1.00
8	7	9	0.88	0.96	0.92	0.92	0.91	0.88	0.85	0.90	0.86	0.86	0.83	0.95	1.00	1.00	1.00
8	7	10	0.98	1.00	0.98	0.97	0.96	0.94	0.92	0.95	0.89	0.90	0.92	1.00	1.00	1.00	1.00
8	7	11	1.00	1.00	1.00	0.99	0.99	0.96	0.92	0.98	0.88	0.92	0.88	0.95	1.00	1.00	1.00
8	7	12	1.00	1.00	1.00	0.99	0.98	0.96	0.93	0.97	0.88	0.90	0.87	0.91	1.00	1.00	1.00
8	7	13	0.99	1.00	1.00	0.97	0.96	0.93	0.90	0.95	0.87	0.90	0.87	0.76	1.00	1.00	1.00
8	7	14	0.98	1.00	0.99	0.97	0.94	0.93	0.89	0.93	0.87	0.90	0.82	0.80	1.00	1.00	1.00
8	7	15	0.95	1.00	0.97	0.94	0.92	0.90	0.86	0.91	0.86	0.85	0.82	0.81	1.00	1.00	1.00
8	7	16	0.85	0.95	0.91	0.88	0.84	0.83	0.78	0.83	0.81	0.79	0.77	0.65	1.00	1.00	1.00
8	7	17	0.73	0.80	0.78	0.70	0.70	0.67	0.65	0.69	0.70	0.66	0.64	0.38	1.00	1.00	1.00
8	7	18	0.45	0.56	0.53	0.41	0.46	0.44	0.39	0.45	0.48	0.48	0.33	0.09	1.00	1.00	1.00
8	7	19	0.18	0.19	0.16	0.07	0.10	0.08	0.06	0.10	0.14	0.16	0.02	0.00	1.00	1.00	1.00
8	7	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07	1.00	1.00	1.00
8	8	6	0.01	0.10	0.21	0.28	0.22	0.18	0.12	0.22	0.36	0.31	0.29	0.47	1.00	1.00	1.00
8	8	7	0.34	0.53	0.59	0.61	0.56	0.54	0.50	0.56	0.63	0.60	0.59	0.76	1.00	1.00	1.00
8	8	8	0.60	0.81	0.81	0.79	0.76	0.75	0.73	0.76	0.78	0.77	0.76	0.91	1.00	1.00	1.00
8	8	9	0.80	0.94	0.93	0.91	0.90	0.87	0.84	0.89	0.85	0.86	0.87	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
8	8	10	0.04	0.22	0.61	0.01	0.06	0.05	0.38	0.00	0.10	0.03	0.00	0.00
8	8	11	0.02	0.17	0.53	0.00	0.01	0.04	0.38	0.00	0.08	0.01	0.00	0.00
8	8	12	0.01	0.15	0.49	0.01	0.00	0.03	0.37	0.00	0.06	0.00	0.00	0.00
8	8	13	0.04	0.13	0.49	0.02	0.00	0.04	0.39	0.02	0.10	0.03	0.02	0.00
8	8	14	0.08	0.13	0.53	0.04	0.00	0.04	0.42	0.08	0.14	0.08	0.09	0.00
8	8	15	0.10	0.12	0.62	0.06	0.00	0.05	0.43	0.17	0.15	0.09	0.19	0.00
8	8	16	0.16	0.10	0.70	0.07	0.03	0.08	0.45	0.24	0.22	0.15	0.35	0.01
8	8	17	0.27	0.10	0.72	0.10	0.18	0.11	0.48	0.33	0.32	0.26	0.46	0.12
8	8	18	0.35	0.12	0.74	0.18	0.41	0.14	0.53	0.44	0.40	0.34	0.51	0.32
8	8	19	0.50	0.17	0.71	0.34	0.65	0.30	0.57	0.54	0.54	0.49	0.52	0.36
8	8	20	0.69	0.20	0.73	0.54	0.78	0.43	0.58	0.58	0.72	0.68	0.45	0.35
8	8	21	0.62	0.24	0.72	0.52	0.80	0.54	0.58	0.54	0.65	0.61	0.35	0.36
8	8	22	0.47	0.26	0.65	0.43	0.79	0.55	0.58	0.50	0.51	0.47	0.35	0.43
8	8	23	0.42	0.19	0.58	0.41	0.77	0.48	0.55	0.46	0.47	0.41	0.36	0.49
8	8	24	0.38	0.16	0.58	0.41	0.76	0.47	0.53	0.42	0.43	0.38	0.33	0.51
8	9	1	0.34	0.18	0.57	0.42	0.72	0.44	0.50	0.35	0.39	0.34	0.26	0.49
8	9	2	0.30	0.20	0.55	0.37	0.66	0.39	0.46	0.29	0.35	0.29	0.18	0.46
8	9	3	0.26	0.23	0.47	0.28	0.59	0.37	0.41	0.26	0.32	0.26	0.13	0.43
8	9	4	0.20	0.26	0.43	0.23	0.55	0.43	0.36	0.24	0.26	0.19	0.09	0.38
8	9	5	0.13	0.25	0.39	0.21	0.49	0.39	0.31	0.20	0.19	0.12	0.05	0.32
8	9	6	0.08	0.18	0.35	0.16	0.40	0.33	0.24	0.12	0.14	0.07	0.03	0.28
8	9	7	0.01	0.08	0.18	0.06	0.29	0.23	0.19	0.07	0.07	0.00	0.01	0.24
8	9	8	0.01	0.03	0.14	0.02	0.13	0.08	0.15	0.01	0.06	0.00	0.00	0.09
8	9	9	0.07	0.02	0.10	0.02	0.04	0.04	0.13	0.00	0.13	0.06	0.00	0.00
8	9	10	0.17	0.02	0.10	0.02	0.01	0.03	0.12	0.00	0.23	0.16	0.00	0.00
8	9	11	0.19	0.04	0.11	0.04	0.00	0.03	0.13	0.00	0.25	0.18	0.00	0.00
8	9	12	0.27	0.06	0.12	0.07	0.00	0.02	0.14	0.00	0.32	0.26	0.02	0.02
8	9	13	0.33	0.07	0.20	0.11	0.00	0.03	0.16	0.02	0.39	0.32	0.12	0.04
8	9	14	0.34	0.13	0.33	0.18	0.00	0.04	0.19	0.09	0.39	0.34	0.19	0.05
8	9	15	0.38	0.27	0.48	0.27	0.01	0.06	0.23	0.20	0.43	0.38	0.27	0.08
8	9	16	0.49	0.39	0.59	0.31	0.06	0.10	0.25	0.28	0.54	0.49	0.34	0.15
8	9	17	0.57	0.33	0.64	0.31	0.17	0.16	0.27	0.37	0.61	0.56	0.49	0.29
8	9	18	0.70	0.10	0.82	0.40	0.34	0.20	0.32	0.46	0.73	0.70	0.57	0.46
8	9	19	0.82	0.14	0.85	0.50	0.60	0.47	0.37	0.53	0.83	0.81	0.61	0.51
8	9	20	0.82	0.16	0.82	0.61	0.73	0.54	0.38	0.54	0.84	0.82	0.58	0.57
8	9	21	0.77	0.18	0.71	0.54	0.74	0.61	0.41	0.49	0.79	0.77	0.54	0.57
8	9	22	0.68	0.23	0.67	0.44	0.72	0.58	0.44	0.48	0.70	0.67	0.51	0.49
8	9	23	0.63	0.19	0.60	0.41	0.71	0.42	0.39	0.50	0.66	0.62	0.47	0.44
8	9	24	0.53	0.11	0.61	0.37	0.70	0.34	0.33	0.50	0.57	0.53	0.44	0.42
8	10	1	0.45	0.04	0.61	0.34	0.66	0.35	0.29	0.43	0.49	0.44	0.37	0.39
8	10	2	0.33	0.03	0.57	0.31	0.55	0.17	0.23	0.35	0.38	0.33	0.27	0.37
8	10	3	0.28	0.04	0.53	0.26	0.47	0.15	0.16	0.27	0.33	0.27	0.18	0.35
8	10	4	0.23	0.07	0.50	0.17	0.46	0.19	0.10	0.21	0.28	0.22	0.11	0.29
8	10	5	0.13	0.08	0.43	0.11	0.43	0.17	0.08	0.16	0.19	0.12	0.05	0.26
8	10	6	0.07	0.08	0.42	0.07	0.37	0.11	0.05	0.08	0.13	0.06	0.04	0.21
8	10	7	0.02	0.04	0.38	0.04	0.21	0.06	0.04	0.01	0.08	0.01	0.03	0.10
8	10	8	0.04	0.02	0.36	0.01	0.04	0.02	0.02	0.00	0.10	0.03	0.02	0.01
8	10	9	0.15	0.02	0.32	0.01	0.00	0.02	0.01	0.00	0.21	0.14	0.03	0.01
8	10	10	0.25	0.03	0.30	0.01	0.00	0.03	0.01	0.00	0.31	0.24	0.07	0.04
8	10	11	0.25	0.04	0.31	0.02	0.00	0.03	0.02	0.00	0.31	0.24	0.07	0.04
8	10	12	0.27	0.07	0.36	0.04	0.00	0.03	0.03	0.00	0.32	0.26	0.09	0.05
8	10	13	0.28	0.09	0.34	0.07	0.00	0.05	0.06	0.00	0.34	0.27	0.11	0.06
8	10	14	0.29	0.12	0.33	0.09	0.00	0.08	0.08	0.04	0.34	0.28	0.14	0.08
8	10	15	0.27	0.12	0.34	0.12	0.04	0.11	0.11	0.12	0.32	0.26	0.19	0.06
8	10	16	0.29	0.13	0.34	0.14	0.19	0.15	0.14	0.20	0.34	0.28	0.31	0.06
8	10	17	0.34	0.17	0.32	0.14	0.40	0.20	0.18	0.25	0.39	0.33	0.45	0.10
8	10	18	0.47	0.22	0.26	0.16	0.57	0.37	0.24	0.30	0.51	0.46	0.50	0.19
8	10	19	0.64	0.25	0.30	0.24	0.73	0.83	0.30	0.36	0.67	0.64	0.47	0.28
8	10	20	0.71	0.28	0.39	0.38	0.81	0.90	0.33	0.35	0.74	0.70	0.43	0.34
8	10	21	0.62	0.30	0.32	0.33	0.84	0.91	0.33	0.29	0.66	0.62	0.42	0.37
8	10	22	0.53	0.32	0.23	0.23	0.86	0.78	0.33	0.25	0.57	0.52	0.44	0.37
8	10	23	0.41	0.28	0.18	0.23	0.86	0.57	0.30	0.21	0.46	0.41	0.49	0.36
8	10	24	0.36	0.14	0.13	0.26	0.82	0.73	0.26	0.16	0.41	0.35	0.49	0.37
8	11	1	0.27	0.08	0.04	0.29	0.78	0.70	0.20	0.14	0.32	0.26	0.44	0.37
8	11	2	0.18	0.09	0.00	0.30	0.76	0.45	0.17	0.10	0.24	0.17	0.28	0.34
8	11	3	0.09	0.12	0.00	0.25	0.74	0.23	0.17	0.05	0.15	0.09	0.21	0.29
8	11	4	0.02	0.15	0.00	0.20	0.73	0.26	0.17	0.00	0.07	0.01	0.13	0.22
8	11	5	0.00	0.21	0.00	0.20	0.73	0.30	0.17	0.00	0.04	0.00	0.11	0.17
8	11	6	0.00	0.20	0.00	0.19	0.71	0.38	0.17	0.00	0.03	0.00	0.09	0.06
8	11	7	0.00	0.12	0.00	0.11	0.65	0.29	0.15	0.00	0.04	0.00	0.07	0.00
8	11	8	0.02	0.14	0.00	0.04	0.57	0.09	0.14	0.00	0.07	0.01	0.04	0.00
8	11	9	0.07	0.13	0.00	0.05	0.49	0.05	0.14	0.00	0.13	0.06	0.03	0.00
8	11	10	0.15	0.07	0.00	0.10	0.45	0.04	0.15	0.00	0.21	0.14	0.03	0.00
8	11	11	0.22	0.06	0.00	0.17	0.46	0.03	0.18	0.00	0.28	0.22	0.02	0.00
8	11	12	0.34	0.06	0.00	0.24	0.47	0.04	0.21	0.04	0.40	0.34	0.03	0.00
8	11	13	0.41	0.06	0.00	0.32	0.48	0.07	0.26	0.13	0.45	0.40	0.05	0.00
8	11	14	0.45	0.07	0.00	0.38	0.55	0.10	0.32	0.23	0.50	0.44	0.08	0.00
8	11	15	0.54	0.09	0.01	0.43	0.65	0.15	0.38	0.33	0.58	0.53	0.14	0.01
8	11	16	0.59	0.11	0.05	0.45	0.71	0.23	0.43	0.38	0.62	0.58	0.27	0.01
8	11	17	0.63	0.18	0.14	0.47	0.75	0.39	0.48	0.38	0.66	0.63	0.42	0.05
8	11	18	0.69	0.28	0.37	0.49	0.79	0.54	0.55	0.37	0.72	0.69	0.48	0.24
8	11	19	0.72	0.29	0.73	0.61	0.84	0.92	0.64	0.37	0.74	0.72	0.46	0.37
8	11	20	0.78	0.41	0.84	0.66	0.87	0.94	0.68	0.42	0.80	0.78	0.43	0.43
8	11	21	0.75	0.58	0.90	0.57	0.86	0.91	0.68	0.42	0.77	0.75	0.41	0.48
8	11	22	0.62	0.64	0.89	0.53	0.83	0.82	0.64	0.35	0.65	0.61	0.39	0.45
8	11	23	0.51	0.58	0.88	0.55	0.80	0.74	0.63	0.31	0.55	0.51	0.40	0.40
8	11	24	0.34	0.45	0.86	0.52	0.78	0.83	0.60	0.28	0.38	0.33	0.43	0.39
8	12	1	0.25	0.37	0.82	0.44	0.76	0.77	0.58	0.25	0.31	0.24	0.39	0.40
8	12	2	0.21	0.26	0.78	0.33	0.75	0.62	0.54	0.17	0.27	0.20	0.31	0.38
8	12	3	0.16	0.21	0.75	0.27	0.74	0.55	0.48	0.11	0.22	0.15	0.22	0.38
8	12	4	0.06	0.18	0.75	0.21	0.73	0.62	0.40	0.05	0.12	0.06	0.14	0.32
8	12	5	0.02	0.23	0.72	0.17	0.72	0.63	0.35	0.01	0.08	0.01	0.07	0.28
8	12	6	0.01	0.21	0.62	0.15	0.70	0.58	0.31	0.00	0.06	0.00	0.03	0.28
8	12	7	0.00	0.12	0.49	0.10	0.61	0.33	0.26	0.00	0.04	0.00	0.00	0.20
8	12	8	0.00	0.11	0.41	0.06	0.46	0.09	0.22	0.00	0.05	0.00	0.00	0.09
8	12	9	0.03	0.09	0.38	0.07	0.33	0.12	0.20	0.00	0.08	0.02	0.00	0.00
8	12	10	0.10	0.11	0.31	0.13	0.20	0.09	0.19	0.00	0.16	0.09	0.00	0.00
8	12	11	0.12	0.14	0.27	0.21	0.08	0.08	0.19	0.03	0.18	0.11	0.00	0.00
8	12	12	0.17	0.15	0.24	0.26	0.02	0.08	0.19	0.10	0.22	0.16	0.01	0.00
8	12	13	0.28	0.15	0.27	0.29	0.00	0.09	0.21	0.15	0.33	0.27	0.06	0.00
8	12	14	0.39	0.16	0.39	0.32	0.01	0.11	0.24	0.21	0.43	0.38	0.13	0.00
8	12	15	0.46	0.19	0.60	0.35	0.09	0.14	0.26	0.24	0.50	0.45	0.23	0.03
8	12	16	0.49	0.23	0.66	0.34	0.23	0.19	0.30	0.25	0.53	0.48	0.38	0.12
8	12	17	0.53	0.28	0.66	0.33	0.40	0.25	0.34	0.27	0.56	0.52	0.49	0.30
8	12	18	0.65	0.35	0.68	0.32	0.55	0.29	0.40	0.29	0.68	0.65	0.50	0.40
8	12	19	0.67	0.40	0.72	0.36	0.72	0.51	0.47	0.29	0.70	0.67	0.49	0.40
8	12	20	0.63	0.42	0.77	0.44	0.79	0.86	0.51	0.32	0.67	0.63	0.48	0.42
8	12	21	0.60	0.46	0.73	0.35	0.78	0.86	0.50	0.38	0.63	0.59	0.59	0.52
8	12	22	0.51	0.48	0.56	0.25	0.76	0.81	0.48	0.35	0.55	0.51	0.64	0.60
8	12	23	0.43	0.53	0.47	0.20	0.74	0.72	0.46	0.32	0.48	0.42	0.59	0.58
8	12	24	0.32	0.56	0.47	0.21	0.74	0.61	0.42	0.32	0.37	0.31	0.59	0.62
8	13	1	0.27	0.49	0.38	0.20	0.72	0.54	0.40	0.33	0.32	0.26	0.54	0.64
8	13	2	0.25	0.42	0.27	0.18	0.65	0.58	0.36	0.27	0.30	0.24	0.46	0.63
8	13	3	0.19	0.39	0.26	0.12	0.61	0.51	0.30	0.19	0.25	0.18	0.40	0.59
8	13	4	0.12	0.27	0.26	0.08	0.60	0.43	0.26	0.11	0.18	0.11	0.33	0.55
8	13	5	0.07	0.20	0.21	0.07	0.62	0.51	0.22	0.05	0.13	0.06	0.22	0.51
8	13	6	0.01	0.17	0.14	0.05	0.60	0.58	0.20	0.01	0.06	0.00	0.11	0.42
8	13	7	0.00	0.09	0.03	0.04	0.49	0.40	0.18	0.00	0.01	0.00	0.03	0.27
8	13	8	0.00	0.09	0.00	0.02	0.29	0.13	0.15	0.00	0.01	0.00	0.00	0.10
8	13	9	0.00	0.09	0.00	0.02	0.08	0.10	0.14	0.00	0.03	0.00	0.00	0.01
8	13	10	0.01	0.09	0.00	0.03	0.01	0.13	0.14	0.00	0.07	0.00	0.00	0.00
8	13	11	0.06	0.09	0.00	0.06	0.00	0.13	0.14	0.00	0.12	0.05	0.00	0.00
8	13	12	0.09	0.10	0.00	0.08	0.00	0.14	0.16	0.00	0.14	0.08	0.02	0.00
8	13	13	0.14	0.11	0.00	0.12	0.00	0.12	0.20	0.01	0.20	0.13	0.08	0.00
8	13	14	0.19	0.13	0.00	0.15	0.00	0.12	0.24	0.06	0.25	0.18	0.15	0.01
8	13	15	0.19	0.15	0.00	0.17	0.00	0.13	0.30	0.13	0.24	0.18	0.24	0.03
8	13	16	0.20	0.19	0.00	0.17	0.00	0.13	0.36	0.18	0.25	0.19	0.35	0.05
8	13	17	0.27	0.24	0.00	0.18	0.02	0.23	0.43	0.26	0.32	0.26	0.44	0.15
8	13	18	0.48	0.32	0.03	0.17	0.13	0.30	0.50	0.38	0.53	0.48	0.48	0.33
8	13	19	0.53	0.39	0.07	0.23	0.39	0.45	0.57	0.49	0.57	0.53	0.51	0.39
8	13	20	0.50	0.42	0.08	0.29	0.60	0.58	0.59	0.58	0.54	0.50	0.51	0.45
8	13	21	0.66	0.41	0.06	0.26	0.70	0.76	0.61	0.59	0.70	0.66	0.51	0.55
8	13	22	0.56	0.42	0.05	0.19	0.74	0.83	0.60	0.56	0.60	0.56	0.52	0.50
8	13	23	0.40	0.37	0.04	0.16	0.75	0.75	0.60	0.53	0.45	0.39	0.51	0.48
8	13	24	0.31	0.34	0.02	0.16	0.72	0.66	0.61	0.50	0.37	0.31	0.50	0.36

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
8	8	10	0.05	0.01	0.10	0.08	0.00	0.22	0.41	0.04	0.00	0.22	0.12	0.66	0.85	0.96	0.84	0.96	0.87	0.88	0.92
8	8	11	0.03	0.00	0.10	0.08	0.00	0.12	0.46	0.07	0.00	0.17	0.07	0.77	0.91	0.98	0.89	0.98	0.91	0.91	0.94
8	8	12	0.02	0.01	0.10	0.08	0.01	0.07	0.48	0.13	0.01	0.15	0.05	0.82	0.92	0.98	0.91	0.97	0.91	0.90	0.93
8	8	13	0.05	0.02	0.10	0.08	0.02	0.09	0.43	0.22	0.01	0.13	0.04	0.83	0.92	0.96	0.90	0.95	0.89	0.88	0.92
8	8	14	0.09	0.03	0.12	0.10	0.03	0.12	0.41	0.27	0.00	0.13	0.03	0.80	0.90	0.93	0.89	0.94	0.87	0.87	0.92
8	8	15	0.11	0.05	0.13	0.11	0.02	0.15	0.38	0.30	0.00	0.12	0.03	0.73	0.86	0.90	0.85	0.93	0.86	0.86	0.91
8	8	16	0.17	0.07	0.15	0.13	0.02	0.20	0.33	0.33	0.00	0.10	0.02	0.59	0.77	0.79	0.76	0.89	0.81	0.81	0.85
8	8	17	0.28	0.19	0.17	0.14	0.01	0.25	0.28	0.37	0.01	0.10	0.01	0.38	0.62	0.64	0.61	0.81	0.72	0.71	0.73
8	8	18	0.36	0.39	0.17	0.15	0.02	0.36	0.24	0.40	0.04	0.12	0.03	0.13	0.36	0.38	0.36	0.60	0.51	0.48	0.47
8	8	19	0.51	0.43	0.19	0.17	0.07	0.55	0.21	0.40	0.12	0.17	0.06	0.00	0.10	0.10	0.10	0.17	0.23	0.26	0.18
8	8	20	0.69	0.42	0.23	0.21	0.17	0.60	0.18	0.41	0.19	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	21	0.62	0.42	0.30	0.28	0.18	0.58	0.13	0.39	0.18	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	22	0.48	0.48	0.35	0.33	0.09	0.58	0.11	0.37	0.14	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	23	0.43	0.54	0.35	0.33	0.11	0.57	0.10	0.34	0.14	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	24	0.39	0.56	0.29	0.27	0.11	0.53	0.10	0.33	0.17	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	1	0.35	0.54	0.22	0.20	0.09	0.56	0.08	0.31	0.17	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	2	0.30	0.52	0.18	0.16	0.16	0.52	0.06	0.28	0.16	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	3	0.27	0.49	0.15	0.13	0.14	0.48	0.07	0.24	0.18	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	4	0.21	0.44	0.14	0.12	0.24	0.48	0.07	0.18	0.19	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	5	0.14	0.38	0.13	0.11	0.27	0.47	0.07	0.14	0.22	0.25	0.13	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	9	6	0.09	0.35	0.10	0.08	0.26	0.40	0.05	0.11	0.19	0.18	0.08	0.00	0.08	0.28	0.08	0.08	0.01	0.01	0.07
8	9	7	0.02	0.32	0.05	0.03	0.16	0.23	0.02	0.11	0.10	0.08	0.00	0.02	0.32	0.55	0.31	0.51	0.32	0.41	0.46
8	9	8	0.02	0.16	0.03	0.01	0.18	0.22	0.01	0.10	0.06	0.03	0.00	0.23	0.55	0.76	0.54	0.77	0.65	0.66	0.71
8	9	9	0.08	0.05	0.02	0.01	0.24	0.37	0.01	0.16	0.07	0.02	0.00	0.47	0.73	0.87	0.72	0.90	0.81	0.80	0.84
8	9	10	0.18	0.03	0.03	0.02	0.22	0.56	0.02	0.26	0.08	0.02	0.00	0.65	0.85	0.92	0.83	0.96	0.89	0.87	0.90
8	9	11	0.20	0.05	0.06	0.04	0.18	0.61	0.04	0.44	0.09	0.04	0.00	0.76	0.90	0.93	0.88	0.98	0.92	0.89	0.93
8	9	12	0.28	0.09	0.10	0.08	0.21	0.63	0.06	0.56	0.10	0.06	0.00	0.82	0.92	0.86	0.90	0.98	0.91	0.89	0.92
8	9	13	0.34	0.11	0.17	0.14	0.21	0.65	0.07	0.62	0.10	0.07	0.00	0.83	0.91	0.87	0.89	0.96	0.89	0.87	0.91
8	9	14	0.35	0.13	0.27	0.25	0.46	0.73	0.08	0.66	0.09	0.13	0.04	0.79	0.89	0.82	0.87	0.93	0.86	0.86	0.89
8	9	15	0.39	0.15	0.32	0.30	0.40	0.79	0.08	0.70	0.10	0.27	0.16	0.71	0.85	0.79	0.83	0.93	0.85	0.84	0.89
8	9	16	0.50	0.22	0.39	0.37	0.71	0.85	0.09	0.73	0.11	0.39	0.28	0.58	0.76	0.73	0.74	0.90	0.81	0.79	0.84
8	9	17	0.58	0.36	0.40	0.38	0.75	0.92	0.12	0.79	0.13	0.33	0.22	0.37	0.60	0.59	0.59	0.80	0.67	0.70	0.70
8	9	18	0.71	0.52	0.42	0.40	0.36	0.90	0.15	0.82	0.23	0.10	0.03	0.12	0.34	0.34	0.34	0.57	0.49	0.48	0.44
8	9	19	0.82	0.56	0.46	0.44	0.18	0.83	0.21	0.75	0.46	0.14	0.04	0.00	0.09	0.09	0.09	0.19	0.27	0.25	0.16
8	9	20	0.83	0.62	0.47	0.45	0.49	0.76	0.30	0.68	0.55	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	21	0.78	0.62	0.53	0.51	0.44	0.68	0.28	0.64	0.52	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	22	0.68	0.54	0.52	0.51	0.21	0.67	0.26	0.63	0.46	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	23	0.63	0.50	0.47	0.45	0.16	0.74	0.20	0.68	0.50	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	9	24	0.54	0.48	0.39	0.37	0.10	0.73	0.18	0.67	0.48	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	1	0.46	0.46	0.35	0.33	0.16	0.76	0.12	0.59	0.43	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	2	0.34	0.44	0.35	0.33	0.18	0.73	0.15	0.50	0.43	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	3	0.29	0.41	0.35	0.33	0.10	0.76	0.21	0.39	0.39	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	4	0.24	0.36	0.32	0.30	0.19	0.75	0.29	0.29	0.33	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	5	0.14	0.33	0.30	0.28	0.21	0.73	0.34	0.25	0.25	0.08	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	10	6	0.08	0.29	0.25	0.23	0.30	0.67	0.28	0.20	0.16	0.08	0.00	0.00	0.07	0.28	0.07	0.08	0.01	0.01	0.08
8	10	7	0.03	0.17	0.17	0.15	0.19	0.54	0.21	0.15	0.06	0.04	0.00	0.02	0.32	0.57	0.31	0.51	0.39	0.41	0.46
8	10	8	0.05	0.07	0.11	0.09	0.23	0.62	0.26	0.15	0.01	0.02	0.00	0.23	0.55	0.77	0.54	0.77	0.67	0.66	0.70
8	10	9	0.16	0.07	0.07	0.05	0.19	0.79	0.31	0.23	0.01	0.02	0.00	0.47	0.72	0.89	0.71	0.90	0.81	0.79	0.83
8	10	10	0.26	0.11	0.05	0.04	0.12	0.91	0.30	0.36	0.01	0.03	0.00	0.65	0.84	0.95	0.82	0.96	0.88	0.86	0.89
8	10	11	0.26	0.11	0.06	0.04	0.12	0.89	0.32	0.43	0.01	0.04	0.00	0.76	0.89	0.95	0.88	0.98	0.90	0.88	0.92
8	10	12	0.28	0.12	0.08	0.06	0.16	0.88	0.42	0.47	0.02	0.07	0.00	0.81	0.91	0.95	0.90	0.98	0.90	0.87	0.91
8	10	13	0.29	0.13	0.09	0.07	0.24	0.86	0.53	0.50	0.03	0.09	0.01	0.82	0.91	0.94	0.89	0.97	0.87	0.86	0.90
8	10	14	0.30	0.16	0.09	0.07	0.24	0.83	0.54	0.51	0.03	0.12	0.03	0.79	0.89	0.90	0.87	0.95	0.85	0.84	0.89
8	10	15	0.27	0.13	0.09	0.07	0.21	0.76	0.58	0.50	0.03	0.12	0.03	0.71	0.84	0.84	0.83	0.94	0.84	0.83	0.87
8	10	16	0.30	0.14	0.09	0.07	0.13	0.70	0.58	0.52	0.04	0.13	0.04	0.57	0.75	0.77	0.74	0.90	0.80	0.78	0.81
8	10	17	0.35	0.17	0.08	0.06	0.12	0.66	0.58	0.56	0.04	0.17	0.07	0.37	0.59	0.62	0.58	0.80	0.69	0.67	0.69
8	10	18	0.48	0.26	0.06	0.05	0.13	0.66	0.50	0.56	0.05	0.22	0.11	0.12	0.35	0.34	0.34	0.60	0.49	0.47	0.48
8	10	19	0.65	0.35	0.07	0.05	0.15	0.75	0.50	0.52	0.17	0.25	0.14	0.00	0.09	0.09	0.09	0.21	0.27	0.25	0.17
8	10	20	0.71	0.41	0.07	0.06	0.13	0.75	0.51	0.51	0.30	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	21	0.63	0.43	0.09	0.08	0.09	0.63	0.52	0.50	0.33	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	22	0.54	0.43	0.08	0.06	0.08	0.63	0.58	0.42	0.33	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	23	0.42	0.43	0.10	0.08	0.08	0.66	0.56	0.42	0.36	0.28	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10	24	0.37	0.43	0.09	0.07	0.10	0.69	0.47	0.42	0.30	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	1	0.28	0.43	0.06	0.05	0.09	0.67	0.38	0.43	0.23	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	2	0.19	0.41	0.06	0.04	0.08	0.65	0.31	0.44	0.18	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	3	0.10	0.36	0.06	0.05	0.07	0.54	0.29	0.42	0.14	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	4	0.03	0.29	0.06	0.04	0.08	0.56	0.26	0.35	0.10	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	5	0.00	0.24	0.04	0.03	0.08	0.58	0.23	0.32	0.05	0.21	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	11	6	0.00	0.12	0.03	0.01	0.07	0.52	0.14	0.32	0.02	0.20	0.09	0.00	0.07	0.27	0.07	0.09	0.01	0.00	0.07
8	11	7	0.00	0.04	0.02	0.01	0.05	0.36	0.06	0.27	0.00	0.12	0.03	0.02	0.32	0.55	0.31	0.50	0.38	0.35	0.44
8	11	8	0.02	0.02	0.02	0.01	0.02	0.38	0.03	0.25	0.00	0.14	0.04	0.23	0.55	0.76	0.54	0.75	0.67	0.64	0.69
8	11	9	0.08	0.02	0.03	0.02	0.02	0.54	0.01	0.29	0.00	0.13	0.03	0.46	0.72	0.88	0.70	0.88	0.80	0.79	0.82
8	11	10	0.16	0.02	0.06	0.04	0.03	0.61	0.00	0.36	0.01	0.07	0.00	0.64	0.83	0.94	0.82	0.95	0.89	0.87	0.89
8	11	11	0.23	0.03	0.09	0.07	0.05	0.67	0.01	0.41	0.03	0.06	0.00	0.75	0.89	0.93	0.87	0.97	0.91	0.88	0.91
8	11	12	0.35	0.05	0.14	0.11	0.10	0.73	0.03	0.45	0.04	0.06	0.00	0.81	0.91	0.92	0.89	0.97	0.91	0.88	0.91
8	11	13	0.42	0.05	0.16	0.14	0.13	0.81	0.04	0.46	0.05	0.06	0.00	0.82	0.90	0.92	0.89	0.96	0.89	0.87	0.90
8	11	14	0.46	0.06	0.20	0.18	0.19	0.86	0.09	0.46	0.04	0.07	0.00	0.78	0.88	0.88	0.86	0.95	0.86	0.85	0.89
8	11	15	0.55	0.07	0.25	0.23	0.26	0.85	0.19	0.45	0.02	0.09	0.01	0.68	0.81	0.87	0.79	0.94	0.85	0.84	0.88
8	11	16	0.59	0.08	0.30	0.27	0.30	0.83	0.24	0.45	0.03	0.11	0.02	0.56	0.74	0.79	0.72	0.90	0.80	0.79	0.82
8	11	17	0.64	0.11	0.34	0.31	0.35	0.78	0.35	0.44	0.14	0.18	0.08	0.36	0.58	0.62	0.57	0.81	0.70	0.69	0.68
8	11	18	0.70	0.32	0.36	0.34	0.39	0.71	0.40	0.44	0.11	0.28	0.16	0.12	0.33	0.33	0.32	0.58	0.49	0.43	0.44
8	11	19	0.72	0.44	0.38	0.36	0.48	0.68	0.48	0.42	0.05	0.29	0.19	0.00	0.09	0.08	0.08	0.26	0.27	0.18	0.15
8	11	20	0.79	0.49	0.46	0.44	0.58	0.61	0.60	0.41	0.13	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	21	0.75	0.53	0.60	0.58	0.72	0.55	0.51	0.44	0.27	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	22	0.62	0.51	0.71	0.70	0.71	0.55	0.55	0.42	0.32	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	23	0.52	0.46	0.68	0.67	0.58	0.55	0.75	0.39	0.34	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	11	24	0.34	0.46	0.64	0.63	0.46	0.55	0.73	0.39	0.31	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	1	0.26	0.46	0.60	0.59	0.42	0.58	0.62	0.37	0.28	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	2	0.22	0.44	0.56	0.55	0.35	0.57	0.47	0.30	0.23	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	3	0.17	0.44	0.51	0.49	0.24	0.56	0.37	0.25	0.20	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	4	0.07	0.39	0.42	0.40	0.19	0.52	0.33	0.21	0.16	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	5	0.03	0.35	0.32	0.30	0.16	0.43	0.23	0.22	0.13	0.23	0.12	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	12	6	0.02	0.35	0.25	0.23	0.15	0.31	0.11	0.20	0.10	0.21	0.10	0.00	0.07	0.27	0.07	0.08	0.00	0.00	0.08
8	12	7	0.00	0.27	0.14	0.12	0.15	0.18	0.02	0.18	0.03	0.12	0.03	0.02	0.31	0.56	0.31	0.51	0.32	0.36	0.44
8	12	8	0.00	0.16	0.09	0.07	0.12	0.18	0.03	0.17	0.03	0.11	0.02	0.23	0.55	0.76	0.54	0.75	0.60	0.64	0.69
8	12	9	0.04	0.06	0.11	0.09	0.12	0.29	0.04	0.22	0.05	0.09	0.01	0.47	0.73	0.87	0.72	0.89	0.81	0.79	0.82
8	12	10	0.11	0.02	0.16	0.13	0.12	0.43	0.04	0.27	0.08	0.11	0.02	0.65	0.83	0.93	0.82	0.96	0.89	0.87	0.88
8	12	11	0.13	0.02	0.20	0.18	0.19	0.53	0.06	0.34	0.11	0.14	0.04	0.75	0.89	0.95	0.87	0.98	0.91	0.89	0.91
8	12	12	0.18	0.03	0.24	0.22	0.27	0.63	0.11	0.42	0.12	0.15	0.05	0.81	0.91	0.90	0.89	0.98	0.91	0.88	0.91
8	12	13	0.29	0.04	0.27	0.25	0.34	0.71	0.24	0.47	0.13	0.15	0.05	0.82	0.90	0.90	0.88	0.97	0.89	0.86	0.90
8	12	14	0.39	0.06	0.30	0.28	0.44	0.79	0.22	0.48	0.13	0.16	0.06	0.78	0.88	0.85	0.86	0.96	0.87	0.85	0.87
8	12	15	0.46	0.10	0.31	0.29	0.59	0.83	0.22	0.49	0.12	0.19	0.09	0.71	0.84	0.77	0.82	0.94	0.86	0.83	0.85
8	12	16	0.50	0.19	0.31	0.29	0.63	0.81	0.33	0.49	0.11	0.22	0.12	0.57	0.75	0.72	0.73	0.90	0.81	0.78	0.78
8	12	17	0.53	0.38	0.32	0.29	0.54	0.82	0.31	0.47	0.09	0.28	0.17	0.37	0.59	0.60	0.58	0.79	0.71	0.66	0.65
8	12	18	0.66	0.46	0.32	0.30	0.38	0.76	0.20	0.45	0.09	0.35	0.24	0.12	0.33	0.31	0.32	0.60	0.49	0.45	0.42
8	12	19	0.67	0.46	0.29	0.27	0.26	0.62	0.13	0.40	0.14	0.40	0.29	0.00	0.08	0.08	0.08	0.27	0.27	0.18	0.14
8	12	20	0.64	0.47	0.29	0.27	0.28	0.47	0.22	0.37	0.17	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	21	0.60	0.57	0.27	0.25	0.38	0.35	0.38	0.30	0.18	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	22	0.52	0.65	0.26	0.24	0.44	0.32	0.54	0.24	0.18	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	23	0.44	0.63	0.23	0.21	0.38	0.34	0.57	0.24	0.19	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	12	24	0.33	0.66	0.20	0.18	0.31	0.36	0.51	0.22	0.15	0.56	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	1	0.28	0.68	0.14	0.12	0.18	0.33	0.45	0.20	0.09	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	2	0.26	0.67	0.09	0.07	0.07	0.32	0.41	0.18	0.05	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	3	0.20	0.63	0.06	0.04	0.06	0.32	0.44	0.15	0.03	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	4	0.13	0.60	0.05	0.03	0.09	0.32	0.42	0.11	0.01	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	5	0.08	0.56	0.04	0.03	0.08	0.31	0.42	0.09	0.00	0.20	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	13	6	0.02	0.48	0.03	0.02	0.06	0.25	0.33	0.05	0.00	0.17	0.07	0.00	0.05	0.23	0.05	0.08	0.00	0.00	0.07
8	13	7	0.00	0.34	0.02	0.01	0.03	0.15	0.21	0.00	0.00	0.09	0.01	0.02	0.30	0.50	0.29	0.51	0.39	0.38	0.44
8	13	8	0.00	0.17	0.01	0.00	0.02	0.10	0.17	0.00	0.00	0.09	0.01	0.22	0.52	0.72	0.51	0.76	0.67	0.64	0.70
8	13	9	0.00	0.04	0.01	0.00	0.02	0.12	0.17	0.00	0.00	0.09	0.01	0.45	0.70	0.86	0.69	0.88	0.81	0.77	0.82
8	13	10	0.02	0.01	0.02	0.01	0.02	0.20	0.14	0.02	0.00	0.09	0.01	0.63	0.81	0.92	0.80	0.95	0.87	0.85	0.89
8	13	11	0.07	0.03	0.03	0.02	0.03	0.32	0.12	0.07	0.03	0.09	0.01	0.73	0.86	0.94	0.85	0.96	0.90	0.87	0.91
8	13	12	0.10	0.03	0.05	0.04	0.03	0.42	0.20	0.19	0.10	0.10	0.02	0.79	0.88	0.94	0.86	0.96	0.90	0.87	0.89
8	13	13	0.15	0.04	0.08	0.06	0.03	0.35	0.32	0.26	0.14	0.11	0.03	0.79	0.87	0.91	0.85	0.96	0.87	0.85	0.88
8	13	14	0.20	0.07	0.10	0.08	0.04	0.36	0.28	0.29	0.37	0.13	0.04	0.77	0.86	0.88	0.84	0.95	0.86	0.83	0.85
8	13	15	0.20	0.10	0.11	0.09	0.04	0.40	0.26	0.27	0.36	0.15	0.05	0.69	0.81	0.81	0.80	0.92	0.84	0.82	0.82
8	13	16	0.21	0.12	0.11	0.09	0.03	0.62	0.20	0.23	0.05	0.19	0.08	0.54	0.71	0.70	0.70	0.88	0.80	0.77	0.76
8	13	17	0.28	0.22	0.11	0.09	0.03	0.79	0.10	0.24	0.22	0.24	0.13	0.35	0.56	0.51	0.55	0.79	0.70	0.67	0.65
8	13	18	0.49	0.40	0.11	0.09	0.03	0.84	0.14	0.29	0.59	0.32	0.21	0.11	0.30	0.26	0.30	0.58	0.47	0.46	0.40
8	13	19	0.54	0.45	0.12	0.10	0.08	0.61	0.19	0.31	0.63	0.39	0.28	0.00	0.08	0.06	0.08	0.33	0.25	0.18	0.12
8	13	20	0.51	0.50	0.12	0.10	0.11	0.50	0.14	0.33	0.63	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	21	0.67	0.61	0.08	0.06	0.09	0.47	0.13	0.32	0.48	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	22	0.57	0.55	0.07	0.05	0.04	0.56	0.11	0.27	0.29	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	23	0.41	0.54	0.07	0.05	0.02	0.55	0.12	0.26	0.09	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	13	24	0.32	0.42	0.08	0.06	0.01	0.44	0.15	0.26	0.06	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
8	8	10	0.97	1.00	0.99	0.96	0.96	0.91	0.91	0.95	0.88	0.91	0.92	1.00	1.00	1.00	1.00
8	8	11	1.00	1.00	0.99	0.98	0.96	0.93	0.93	0.95	0.89	0.92	0.93	1.00	1.00	1.00	1.00
8	8	12	1.00	1.00	0.99	0.97	0.96	0.93	0.93	0.95	0.88	0.90	0.93	1.00	1.00	1.00	1.00
8	8	13	0.99	1.00	0.98	0.96	0.95	0.92	0.92	0.94	0.87	0.89	0.92	0.93	1.00	1.00	1.00
8	8	14	0.98	1.00	0.98	0.96	0.95	0.92	0.91	0.94	0.86	0.89	0.90	0.83	1.00	1.00	1.00
8	8	15	0.97	1.00	0.96	0.94	0.92	0.87	0.88	0.92	0.85	0.88	0.87	0.82	1.00	1.00	1.00
8	8	16	0.91	0.93	0.89	0.87	0.84	0.81	0.81	0.83	0.81	0.84	0.80	0.57	1.00	1.00	1.00
8	8	17	0.78	0.79	0.76	0.74	0.70	0.66	0.67	0.70	0.70	0.74	0.64	0.40	1.00	1.00	1.00
8	8	18	0.52	0.53	0.49	0.46	0.43	0.40	0.41	0.43	0.47	0.53	0.30	0.13	1.00	1.00	1.00
8	8	19	0.21	0.17	0.14	0.10	0.08	0.06	0.06	0.08	0.13	0.17	0.02	0.00	1.00	1.00	1.00
8	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	1.00	1.00	1.00
8	9	6	0.01	0.11	0.19	0.27	0.22	0.18	0.14	0.21	0.35	0.31	0.23	0.44	1.00	1.00	1.00
8	9	7	0.24	0.54	0.58	0.60	0.57	0.52	0.45	0.56	0.62	0.60	0.46	0.73	1.00	1.00	1.00
8	9	8	0.42	0.79	0.80	0.79	0.78	0.74	0.71	0.77	0.77	0.77	0.66	0.90	1.00	1.00	1.00
8	9	9	0.75	0.93	0.93	0.90	0.88	0.86	0.83	0.87	0.84	0.86	0.77	0.95	1.00	1.00	1.00
8	9	10	0.96	1.00	0.98	0.95	0.93	0.90	0.90	0.92	0.87	0.90	0.86	0.91	1.00	1.00	1.00
8	9	11	0.99	1.00	0.99	0.97	0.94	0.92	0.92	0.94	0.87	0.90	0.86	0.84	1.00	1.00	1.00
8	9	12	1.00	1.00	0.99	0.96	0.94	0.92	0.92	0.94	0.87	0.90	0.85	0.48	1.00	1.00	1.00
8	9	13	0.99	1.00	0.98	0.95	0.94	0.92	0.91	0.93	0.86	0.89	0.87	0.53	1.00	1.00	1.00
8	9	14	0.97	0.99	0.97	0.95	0.92	0.90	0.89	0.92	0.84	0.89	0.86	0.33	1.00	1.00	1.00
8	9	15	0.92	0.98	0.95	0.92	0.91	0.86	0.86	0.90	0.84	0.87	0.85	0.32	1.00	1.00	1.00
8	9	16	0.84	0.90	0.88	0.86	0.82	0.80	0.79	0.81	0.80	0.82	0.79	0.30	1.00	1.00	1.00
8	9	17	0.71	0.77	0.76	0.71	0.69	0.65	0.64	0.68	0.69	0.73	0.62	0.14	1.00	1.00	1.00
8	9	18	0.43	0.49	0.49	0.44	0.42	0.40	0.39	0.42	0.43	0.50	0.30	0.03	1.00	1.00	1.00
8	9	19	0.15	0.15	0.13	0.08	0.07	0.06	0.05	0.07	0.11	0.15	0.01	0.00	1.00	1.00	1.00
8	9	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	9	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	1.00	1.00	1.00
8	10	6	0.01	0.10	0.20	0.28	0.21	0.15	0.11	0.21	0.34	0.28	0.26	0.42	1.00	1.00	1.00
8	10	7	0.21	0.52	0.58	0.60	0.56	0.50	0.46	0.56	0.62	0.59	0.57	0.71	1.00	1.00	1.00
8	10	8	0.46	0.79	0.80	0.79	0.76	0.73	0.71	0.76	0.76	0.76	0.75	0.91	1.00	1.00	1.00
8	10	9	0.71	0.92	0.91	0.90	0.87	0.86	0.84	0.86	0.84	0.85	0.84	1.00	1.00	1.00	1.00
8	10	10	0.88	1.00	0.97	0.95	0.95	0.90	0.91	0.94	0.87	0.89	0.88	1.00	1.00	1.00	1.00
8	10	11	0.99	1.00	0.99	0.97	0.96	0.90	0.92	0.95	0.88	0.90	0.87	0.94	1.00	1.00	1.00
8	10	12	0.98	1.00	0.99	0.97	0.95	0.93	0.91	0.94	0.87	0.89	0.89	0.92	1.00	1.00	1.00
8	10	13	0.98	1.00	0.98	0.95	0.94	0.92	0.91	0.93	0.86	0.88	0.79	0.97	1.00	1.00	1.00
8	10	14	0.96	1.00	0.96	0.94	0.93	0.91	0.89	0.92	0.86	0.88	0.76	0.85	1.00	1.00	1.00
8	10	15	0.93	0.97	0.95	0.92	0.90	0.87	0.85	0.89	0.84	0.86	0.68	0.74	1.00	1.00	1.00
8	10	16	0.84	0.90	0.89	0.85	0.82	0.80	0.79	0.82	0.80	0.82	0.62	0.67	1.00	1.00	1.00
8	10	17	0.67	0.78	0.76	0.70	0.67	0.64	0.64	0.66	0.68	0.72	0.46	0.50	1.00	1.00	1.00
8	10	18	0.39	0.51	0.49	0.47	0.42	0.41	0.36	0.41	0.44	0.50	0.21	0.13	1.00	1.00	1.00
8	10	19	0.13	0.15	0.13	0.09	0.07	0.06	0.04	0.07	0.11	0.15	0.01	0.00	1.00	1.00	1.00
8	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	1.00	1.00	1.00
8	11	6	0.01	0.10	0.20	0.27	0.18	0.12	0.10	0.18	0.34	0.29	0.17	0.46	1.00	1.00	1.00
8	11	7	0.27	0.53	0.58	0.60	0.53	0.50	0.46	0.53	0.61	0.59	0.45	0.75	1.00	1.00	1.00
8	11	8	0.52	0.78	0.78	0.79	0.74	0.73	0.69	0.73	0.76	0.74	0.73	0.90	1.00	1.00	1.00
8	11	9	0.72	0.93	0.92	0.89	0.80	0.85	0.82	0.79	0.84	0.83	0.86	0.98	1.00	1.00	1.00
8	11	10	0.87	1.00	0.97	0.94	0.92	0.91	0.89	0.91	0.87	0.87	0.91	0.97	1.00	1.00	1.00
8	11	11	0.99	1.00	0.99	0.96	0.93	0.93	0.89	0.92	0.87	0.85	0.89	0.92	1.00	1.00	1.00
8	11	12	0.99	1.00	0.99	0.95	0.93	0.92	0.91	0.93	0.86	0.83	0.83	0.92	1.00	1.00	1.00
8	11	13	0.99	1.00	0.97	0.94	0.91	0.91	0.89	0.90	0.85	0.83	0.83	0.91	1.00	1.00	1.00
8	11	14	0.97	1.00	0.96	0.91	0.91	0.87	0.88	0.90	0.85	0.79	0.76	0.88	1.00	1.00	1.00
8	11	15	0.93	0.96	0.93	0.68	0.80	0.85	0.81	0.79	0.83	0.79	0.77	0.89	1.00	1.00	1.00
8	11	16	0.86	0.91	0.86	0.71	0.75	0.79	0.77	0.75	0.79	0.81	0.67	0.76	1.00	1.00	1.00
8	11	17	0.72	0.78	0.67	0.55	0.66	0.64	0.63	0.66	0.67	0.69	0.52	0.53	1.00	1.00	1.00
8	11	18	0.43	0.50	0.42	0.27	0.41	0.37	0.40	0.41	0.41	0.46	0.18	0.13	1.00	1.00	1.00
8	11	19	0.15	0.15	0.09	0.03	0.07	0.04	0.05	0.06	0.10	0.14	0.01	0.00	1.00	1.00	1.00
8	11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	11	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	11	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.05	1.00	1.00	1.00
8	12	6	0.01	0.08	0.19	0.26	0.19	0.12	0.11	0.19	0.33	0.28	0.25	0.45	1.00	1.00	1.00
8	12	7	0.30	0.52	0.56	0.59	0.54	0.45	0.50	0.54	0.60	0.58	0.56	0.74	1.00	1.00	1.00
8	12	8	0.61	0.78	0.77	0.78	0.74	0.70	0.71	0.74	0.74	0.75	0.75	0.90	1.00	1.00	1.00
8	12	9	0.86	0.91	0.89	0.88	0.86	0.84	0.83	0.85	0.77	0.84	0.85	0.98	1.00	1.00	1.00
8	12	10	0.95	0.99	0.96	0.94	0.92	0.89	0.87	0.91	0.82	0.86	0.89	1.00	1.00	1.00	1.00
8	12	11	0.97	1.00	0.98	0.95	0.94	0.92	0.91	0.93	0.82	0.87	0.90	0.99	1.00	1.00	1.00
8	12	12	0.99	1.00	0.97	0.95	0.93	0.92	0.91	0.92	0.70	0.82	0.89	0.93	1.00	1.00	1.00
8	12	13	0.98	0.98	0.94	0.94	0.93	0.90	0.88	0.92	0.79	0.82	0.82	0.90	1.00	1.00	1.00
8	12	14	0.96	0.97	0.94	0.93	0.90	0.88	0.91	0.89	0.79	0.83	0.61	0.92	1.00	1.00	1.00
8	12	15	0.94	0.94	0.92	0.90	0.88	0.87	0.87	0.87	0.61	0.80	0.59	0.85	1.00	1.00	1.00
8	12	16	0.89	0.86	0.86	0.83	0.81	0.77	0.78	0.80	0.59	0.76	0.57	0.77	1.00	1.00	1.00
8	12	17	0.74	0.74	0.72	0.68	0.65	0.67	0.64	0.64	0.58	0.69	0.50	0.49	1.00	1.00	1.00
8	12	18	0.43	0.44	0.41	0.40	0.39	0.36	0.37	0.39	0.37	0.43	0.20	0.10	1.00	1.00	1.00
8	12	19	0.15	0.12	0.09	0.06	0.05	0.04	0.04	0.05	0.08	0.12	0.01	0.00	1.00	1.00	1.00
8	12	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	12	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.05	1.00	1.00	1.00
8	13	6	0.00	0.06	0.19	0.24	0.13	0.03	0.09	0.13	0.31	0.26	0.18	0.43	1.00	1.00	1.00
8	13	7	0.37	0.49	0.56	0.56	0.50	0.36	0.34	0.50	0.57	0.55	0.49	0.74	1.00	1.00	1.00
8	13	8	0.69	0.77	0.77	0.74	0.71	0.42	0.56	0.70	0.71	0.74	0.70	0.90	1.00	1.00	1.00
8	13	9	0.86	0.91	0.88	0.83	0.76	0.72	0.80	0.75	0.81	0.83	0.82	0.99	1.00	1.00	1.00
8	13	10	0.95	0.98	0.95	0.85	0.85	0.80	0.91	0.84	0.84	0.86	0.84	1.00	1.00	1.00	1.00
8	13	11	0.98	0.99	0.96	0.90	0.90	0.84	0.86	0.89	0.85	0.87	0.84	1.00	1.00	1.00	1.00
8	13	12	0.98	1.00	0.93	0.93	0.88	0.82	0.89	0.88	0.85	0.87	0.84	1.00	1.00	1.00	1.00
8	13	13	0.97	0.97	0.93	0.88	0.84	0.80	0.90	0.84	0.82	0.83	0.79	0.94	1.00	1.00	1.00
8	13	14	0.96	0.97	0.93	0.91	0.87	0.86	0.85	0.86	0.78	0.79	0.81	0.90	1.00	1.00	1.00
8	13	15	0.94	0.94	0.86	0.88	0.86	0.81	0.83	0.85	0.75	0.72	0.77	0.82	1.00	1.00	1.00
8	13	16	0.88	0.89	0.74	0.71	0.76	0.71	0.78	0.76	0.62	0.68	0.51	0.78	1.00	1.00	1.00
8	13	17	0.75	0.74	0.59	0.57	0.63	0.59	0.61	0.62	0.48	0.56	0.30	0.52	1.00	1.00	1.00
8	13	18	0.43	0.43	0.33	0.38	0.38	0.33	0.24	0.37	0.27	0.39	0.09	0.11	1.00	1.00	1.00
8	13	19	0.14	0.10	0.07	0.05	0.05	0.03	0.02	0.05	0.07	0.09	0.00	0.00	1.00	1.00	1.00
8	13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
8	13	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	13	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
			CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
8	14	1	0.29	0.28	0.00	0.19	0.70	0.53	0.58	0.47	0.35	0.28	0.42	0.24
8	14	2	0.27	0.22	0.00	0.14	0.69	0.61	0.54	0.42	0.33	0.26	0.35	0.15
8	14	3	0.25	0.19	0.00	0.09	0.67	0.72	0.50	0.34	0.30	0.24	0.30	0.09
8	14	4	0.17	0.14	0.00	0.06	0.63	0.60	0.49	0.27	0.23	0.16	0.24	0.06
8	14	5	0.14	0.14	0.00	0.04	0.56	0.50	0.43	0.21	0.20	0.13	0.18	0.04
8	14	6	0.08	0.12	0.00	0.04	0.48	0.51	0.39	0.15	0.14	0.08	0.17	0.01
8	14	7	0.01	0.08	0.00	0.03	0.39	0.32	0.34	0.06	0.07	0.01	0.08	0.01
8	14	8	0.00	0.08	0.00	0.02	0.21	0.09	0.28	0.01	0.05	0.00	0.04	0.00
8	14	9	0.01	0.07	0.00	0.02	0.05	0.08	0.26	0.00	0.06	0.00	0.03	0.00
8	14	10	0.00	0.09	0.00	0.03	0.00	0.06	0.24	0.00	0.06	0.00	0.00	0.01
8	14	11	0.00	0.10	0.00	0.05	0.00	0.08	0.27	0.00	0.02	0.00	0.00	0.01
8	14	12	0.00	0.11	0.00	0.09	0.00	0.09	0.27	0.00	0.01	0.00	0.00	0.01
8	14	13	0.01	0.12	0.00	0.12	0.00	0.10	0.33	0.00	0.04	0.01	0.00	0.01
8	14	14	0.19	0.14	0.00	0.14	0.00	0.12	0.36	0.05	0.25	0.18	0.01	0.01
8	14	15	0.13	0.16	0.00	0.16	0.03	0.13	0.42	0.17	0.19	0.12	0.00	0.00
8	14	16	0.14	0.18	0.05	0.16	0.12	0.17	0.48	0.36	0.20	0.13	0.02	0.00
8	14	17	0.22	0.22	0.05	0.17	0.25	0.23	0.55	0.55	0.28	0.21	0.08	0.03
8	14	18	0.25	0.28	0.07	0.16	0.47	0.31	0.60	0.63	0.31	0.24	0.28	0.07
8	14	19	0.31	0.37	0.05	0.24	0.69	0.53	0.64	0.72	0.36	0.30	0.38	0.32
8	14	20	0.47	0.44	0.04	0.34	0.79	0.83	0.67	0.74	0.51	0.46	0.47	0.43
8	14	21	0.62	0.50	0.04	0.28	0.78	0.90	0.70	0.70	0.66	0.61	0.51	0.33
8	14	22	0.60	0.53	0.00	0.21	0.79	0.87	0.71	0.67	0.63	0.59	0.45	0.11
8	14	23	0.45	0.47	0.00	0.22	0.80	0.79	0.68	0.65	0.49	0.44	0.34	0.01
8	14	24	0.38	0.45	0.00	0.25	0.78	0.71	0.66	0.63	0.42	0.37	0.25	0.00
8	15	1	0.40	0.47	0.00	0.26	0.77	0.51	0.63	0.61	0.45	0.39	0.17	0.00
8	15	2	0.38	0.39	0.00	0.22	0.77	0.65	0.60	0.57	0.43	0.37	0.10	0.00
8	15	3	0.29	0.26	0.01	0.14	0.76	0.68	0.53	0.47	0.35	0.28	0.07	0.00
8	15	4	0.20	0.24	0.00	0.10	0.76	0.68	0.48	0.35	0.26	0.19	0.05	0.03
8	15	5	0.16	0.29	0.00	0.07	0.76	0.64	0.45	0.27	0.22	0.15	0.04	0.07
8	15	6	0.06	0.27	0.00	0.07	0.72	0.67	0.42	0.16	0.11	0.05	0.07	0.02
8	15	7	0.00	0.20	0.00	0.04	0.64	0.38	0.39	0.04	0.05	0.00	0.05	0.00
8	15	8	0.00	0.16	0.00	0.02	0.57	0.10	0.36	0.00	0.03	0.00	0.00	0.00
8	15	9	0.00	0.09	0.00	0.02	0.53	0.08	0.35	0.00	0.04	0.00	0.01	0.00
8	15	10	0.00	0.08	0.00	0.03	0.48	0.13	0.36	0.00	0.02	0.00	0.04	0.00
8	15	11	0.00	0.09	0.00	0.07	0.41	0.13	0.35	0.00	0.01	0.00	0.07	0.02
8	15	12	0.01	0.10	0.00	0.15	0.39	0.19	0.39	0.00	0.05	0.01	0.03	0.01
8	15	13	0.23	0.10	0.00	0.22	0.48	0.19	0.43	0.00	0.29	0.22	0.01	0.00
8	15	14	0.31	0.11	0.00	0.28	0.58	0.20	0.48	0.05	0.37	0.31	0.00	0.00
8	15	15	0.33	0.14	0.00	0.34	0.68	0.24	0.56	0.18	0.38	0.33	0.00	0.03
8	15	16	0.34	0.17	0.00	0.38	0.77	0.29	0.64	0.36	0.40	0.34	0.05	0.02
8	15	17	0.27	0.23	0.00	0.43	0.82	0.38	0.70	0.53	0.32	0.26	0.20	0.02
8	15	18	0.28	0.36	0.03	0.46	0.82	0.68	0.73	0.65	0.33	0.27	0.40	0.08
8	15	19	0.40	0.41	0.16	0.54	0.83	0.97	0.78	0.72	0.45	0.40	0.43	0.29
8	15	20	0.55	0.37	0.47	0.51	0.83	0.95	0.82	0.68	0.59	0.54	0.39	0.50
8	15	21	0.54	0.38	0.63	0.43	0.83	0.94	0.83	0.68	0.58	0.53	0.34	0.44
8	15	22	0.39	0.48	0.74	0.36	0.83	0.84	0.81	0.67	0.44	0.39	0.28	0.24
8	15	23	0.40	0.43	0.75	0.37	0.83	0.72	0.79	0.71	0.44	0.39	0.23	0.16
8	15	24	0.46	0.32	0.79	0.36	0.83	0.76	0.78	0.74	0.51	0.46	0.21	0.12
8	16	1	0.45	0.24	0.79	0.38	0.85	0.67	0.76	0.71	0.50	0.44	0.19	0.07
8	16	2	0.43	0.26	0.75	0.29	0.85	0.68	0.73	0.63	0.47	0.42	0.14	0.02
8	16	3	0.35	0.25	0.72	0.23	0.85	0.67	0.70	0.56	0.40	0.35	0.08	0.00
8	16	4	0.27	0.19	0.72	0.22	0.85	0.54	0.66	0.41	0.33	0.27	0.01	0.00
8	16	5	0.20	0.16	0.71	0.17	0.84	0.55	0.63	0.29	0.26	0.19	0.00	0.00
8	16	6	0.08	0.10	0.67	0.13	0.82	0.63	0.58	0.21	0.14	0.07	0.00	0.00
8	16	7	0.02	0.02	0.61	0.09	0.73	0.35	0.56	0.12	0.07	0.01	0.00	0.00
8	16	8	0.02	0.05	0.61	0.05	0.62	0.12	0.53	0.02	0.07	0.01	0.00	0.00
8	16	9	0.03	0.08	0.63	0.07	0.53	0.14	0.54	0.00	0.08	0.02	0.00	0.00
8	16	10	0.04	0.12	0.65	0.09	0.40	0.18	0.58	0.00	0.09	0.03	0.00	0.00
8	16	11	0.04	0.15	0.64	0.13	0.28	0.27	0.62	0.00	0.10	0.03	0.00	0.00
8	16	12	0.08	0.18	0.61	0.21	0.24	0.36	0.66	0.02	0.14	0.07	0.00	0.00
8	16	13	0.22	0.20	0.59	0.26	0.28	0.33	0.70	0.09	0.28	0.21	0.00	0.00
8	16	14	0.26	0.19	0.58	0.30	0.38	0.34	0.73	0.22	0.31	0.25	0.01	0.02
8	16	15	0.35	0.19	0.58	0.33	0.54	0.38	0.76	0.40	0.40	0.34	0.03	0.04
8	16	16	0.42	0.21	0.59	0.34	0.66	0.39	0.78	0.56	0.47	0.41	0.07	0.06
8	16	17	0.31	0.19	0.60	0.38	0.74	0.41	0.80	0.65	0.36	0.30	0.13	0.10
8	16	18	0.31	0.20	0.58	0.41	0.80	0.53	0.81	0.73	0.36	0.30	0.33	0.12
8	16	19	0.44	0.26	0.61	0.39	0.87	0.92	0.83	0.78	0.49	0.44	0.42	0.35
8	16	20	0.45	0.35	0.56	0.40	0.89	0.95	0.83	0.76	0.50	0.45	0.41	0.47
8	16	21	0.46	0.42	0.41	0.36	0.89	0.90	0.83	0.71	0.50	0.45	0.39	0.50
8	16	22	0.38	0.34	0.40	0.30	0.89	0.69	0.82	0.71	0.43	0.37	0.40	0.46
8	16	23	0.33	0.33	0.49	0.27	0.89	0.72	0.81	0.71	0.38	0.33	0.39	0.34
8	16	24	0.32	0.28	0.57	0.23	0.86	0.69	0.80	0.68	0.37	0.31	0.33	0.29
8	17	1	0.29	0.24	0.57	0.22	0.85	0.91	0.79	0.60	0.34	0.28	0.26	0.25
8	17	2	0.25	0.24	0.52	0.15	0.85	0.89	0.75	0.50	0.30	0.24	0.14	0.19
8	17	3	0.18	0.18	0.48	0.10	0.83	0.85	0.70	0.40	0.24	0.17	0.04	0.11
8	17	4	0.15	0.10	0.53	0.08	0.81	0.61	0.64	0.34	0.21	0.14	0.00	0.07
8	17	5	0.13	0.07	0.47	0.07	0.80	0.39	0.60	0.25	0.19	0.12	0.00	0.02
8	17	6	0.08	0.05	0.37	0.06	0.74	0.32	0.57	0.18	0.14	0.07	0.00	0.00
8	17	7	0.05	0.04	0.29	0.04	0.54	0.32	0.53	0.06	0.11	0.04	0.00	0.00
8	17	8	0.06	0.07	0.26	0.02	0.21	0.15	0.48	0.01	0.12	0.05	0.00	0.00
8	17	9	0.05	0.11	0.27	0.01	0.03	0.15	0.43	0.00	0.11	0.04	0.00	0.00
8	17	10	0.05	0.15	0.21	0.01	0.00	0.20	0.39	0.00	0.11	0.04	0.00	0.00
8	17	11	0.07	0.17	0.15	0.02	0.00	0.23	0.40	0.00	0.13	0.06	0.00	0.00
8	17	12	0.09	0.18	0.12	0.07	0.00	0.30	0.41	0.02	0.15	0.08	0.00	0.00
8	17	13	0.12	0.17	0.13	0.12	0.00	0.30	0.42	0.09	0.18	0.11	0.01	0.01
8	17	14	0.25	0.17	0.19	0.17	0.00	0.33	0.46	0.19	0.30	0.24	0.08	0.03
8	17	15	0.35	0.16	0.30	0.21	0.00	0.34	0.53	0.29	0.40	0.35	0.14	0.05
8	17	16	0.51	0.16	0.41	0.22	0.03	0.37	0.59	0.39	0.55	0.50	0.23	0.07
8	17	17	0.62	0.20	0.46	0.21	0.18	0.39	0.66	0.49	0.65	0.61	0.33	0.24
8	17	18	0.67	0.24	0.57	0.22	0.43	0.41	0.71	0.54	0.70	0.67	0.45	0.41
8	17	19	0.65	0.30	0.64	0.29	0.67	0.67	0.76	0.60	0.68	0.64	0.46	0.45
8	17	20	0.63	0.29	0.65	0.34	0.78	0.85	0.77	0.64	0.66	0.62	0.48	0.54
8	17	21	0.67	0.30	0.60	0.29	0.80	0.86	0.76	0.57	0.70	0.67	0.49	0.57
8	17	22	0.66	0.31	0.49	0.27	0.80	0.77	0.72	0.52	0.69	0.66	0.46	0.51
8	17	23	0.59	0.27	0.42	0.23	0.81	0.72	0.65	0.51	0.63	0.59	0.41	0.48
8	17	24	0.49	0.18	0.42	0.18	0.83	0.65	0.61	0.48	0.53	0.48	0.38	0.47
8	18	1	0.43	0.11	0.42	0.13	0.83	0.74	0.55	0.41	0.47	0.42	0.36	0.42
8	18	2	0.41	0.10	0.38	0.11	0.83	0.74	0.48	0.33	0.46	0.40	0.31	0.39
8	18	3	0.38	0.08	0.33	0.10	0.82	0.41	0.40	0.27	0.43	0.38	0.24	0.39
8	18	4	0.36	0.02	0.32	0.10	0.81	0.55	0.35	0.25	0.41	0.35	0.17	0.38
8	18	5	0.28	0.02	0.35	0.11	0.80	0.30	0.31	0.22	0.33	0.27	0.08	0.37
8	18	6	0.24	0.02	0.41	0.11	0.77	0.16	0.27	0.17	0.30	0.23	0.04	0.39
8	18	7	0.09	0.01	0.28	0.09	0.65	0.20	0.27	0.06	0.15	0.08	0.01	0.33
8	18	8	0.06	0.01	0.16	0.04	0.47	0.10	0.27	0.01	0.12	0.05	0.00	0.17
8	18	9	0.10	0.02	0.12	0.06	0.35	0.06	0.27	0.00	0.16	0.09	0.00	0.02
8	18	10	0.26	0.06	0.10	0.09	0.29	0.07	0.29	0.01	0.31	0.25	0.03	0.00
8	18	11	0.34	0.09	0.10	0.17	0.28	0.12	0.30	0.05	0.39	0.33	0.07	0.00
8	18	12	0.40	0.11	0.11	0.27	0.29	0.12	0.32	0.13	0.44	0.39	0.14	0.00
8	18	13	0.45	0.19	0.12	0.37	0.32	0.13	0.36	0.21	0.50	0.45	0.27	0.00
8	18	14	0.49	0.42	0.21	0.43	0.36	0.16	0.42	0.28	0.53	0.49	0.38	0.04
8	18	15	0.59	0.42	0.34	0.47	0.47	0.17	0.49	0.36	0.62	0.58	0.48	0.13
8	18	16	0.72	0.28	0.50	0.52	0.60	0.21	0.55	0.43	0.74	0.71	0.57	0.29
8	18	17	0.76	0.18	0.59	0.57	0.72	0.32	0.62	0.49	0.78	0.76	0.62	0.49
8	18	18	0.85	0.25	0.68	0.59	0.79	0.52	0.67	0.50	0.86	0.84	0.60	0.52
8	18	19	0.86	0.14	0.66	0.69	0.83	0.94	0.73	0.44	0.87	0.85	0.58	0.55
8	18	20	0.83	0.19	0.52	0.72	0.84	0.96	0.76	0.41	0.85	0.83	0.66	0.66
8	18	21	0.75	0.38	0.36	0.65	0.83	0.92	0.74	0.40	0.77	0.74	0.74	0.62
8	18	22	0.71	0.31	0.30	0.60	0.83	0.89	0.71	0.40	0.73	0.70	0.82	0.58
8	18	23	0.68	0.26	0.39	0.59	0.83	0.94	0.70	0.42	0.71	0.67	0.80	0.49
8	18	24	0.58	0.34	0.57	0.59	0.83	0.70	0.69	0.45	0.62	0.58	0.75	0.43
8	19	1	0.51	0.35	0.49	0.53	0.83	0.47	0.65	0.39	0.55	0.50	0.71	0.44
8	19	2	0.43	0.24	0.41	0.54	0.82	0.79	0.63	0.30	0.47	0.42	0.65	0.42
8	19	3	0.33	0.30	0.27	0.51	0.82	0.85	0.59	0.24	0.38	0.32	0.59	0.40
8	19	4	0.33	0.52	0.13	0.53	0.82	0.80	0.54	0.18	0.39	0.33	0.53	0.39
8	19	5	0.37	0.59	0.09	0.58	0.81	0.70	0.50	0.11	0.42	0.36	0.46	0.31
8	19	6	0.36	0.45	0.10	0.57	0.78	0.53	0.45	0.08	0.41	0.35	0.42	0.26
8	19	7	0.22	0.43	0.13	0.45	0.70	0.53	0.40	0.03	0.28	0.21	0.32	0.21
8	19	8	0.24	0.46	0.20	0.36	0.59	0.11	0.34	0.01	0.29	0.23	0.28	0.17
8	19	9	0.41	0.40	0.16	0.35	0.45	0.08	0.31	0.05	0.46	0.40	0.21	0.08
8	19	10	0.52	0.31	0.14	0.36	0.28	0.12	0.28	0.12	0.57	0.52	0.21	0.06
8	19	11	0.53	0.28	0.17	0.39	0.12	0.16	0.26	0.18	0.57	0.52	0.20	0.09
8	19	12	0.57	0.28	0.23	0.40	0.02	0.13	0.28	0.27	0.60	0.56	0.31	0.14
8	19	13	0.66	0.26	0.36	0.39	0.00	0.13	0.30	0.35	0.69	0.66	0.42	0.18
8	19	14	0.75	0.33	0.59	0.39	0.00	0.14	0.36	0.37	0.77	0.74	0.46	0.24
8	19	15	0.77	0.27	0.78	0.40	0.00	0.15	0.40	0.39	0.79	0.77	0.56	0.29

Month	Day	Hour	Wind											Solar							
			Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S
8	14	1	0.30	0.31	0.09	0.07	0.01	0.36	0.15	0.24	0.06	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	2	0.28	0.22	0.09	0.07	0.00	0.34	0.17	0.16	0.07	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	3	0.26	0.16	0.06	0.05	0.00	0.35	0.16	0.10	0.14	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	4	0.18	0.13	0.05	0.03	0.00	0.42	0.16	0.05	0.08	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	5	0.15	0.11	0.04	0.03	0.02	0.41	0.21	0.03	0.02	0.14	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	14	6	0.09	0.08	0.04	0.03	0.03	0.39	0.22	0.01	0.01	0.12	0.03	0.00	0.03	0.21	0.03	0.08	0.00	0.00	0.03
8	14	7	0.02	0.07	0.04	0.02	0.00	0.29	0.19	0.00	0.00	0.08	0.00	0.02	0.23	0.45	0.23	0.49	0.39	0.38	0.37
8	14	8	0.01	0.06	0.02	0.01	0.02	0.22	0.18	0.00	0.00	0.07	0.00	0.18	0.43	0.68	0.42	0.74	0.66	0.65	0.65
8	14	9	0.01	0.06	0.02	0.01	0.03	0.26	0.15	0.00	0.00	0.07	0.00	0.38	0.59	0.80	0.57	0.87	0.81	0.78	0.79
8	14	10	0.01	0.08	0.03	0.01	0.03	0.20	0.10	0.00	0.00	0.09	0.01	0.53	0.69	0.86	0.68	0.93	0.88	0.85	0.86
8	14	11	0.00	0.08	0.04	0.02	0.01	0.11	0.08	0.02	0.09	0.10	0.01	0.60	0.71	0.88	0.70	0.95	0.90	0.87	0.89
8	14	12	0.00	0.07	0.05	0.04	0.01	0.07	0.15	0.03	0.12	0.11	0.02	0.62	0.69	0.85	0.68	0.95	0.89	0.87	0.89
8	14	13	0.01	0.08	0.08	0.06	0.01	0.14	0.16	0.05	0.20	0.12	0.03	0.67	0.74	0.87	0.73	0.93	0.86	0.85	0.88
8	14	14	0.20	0.07	0.09	0.07	0.02	0.60	0.22	0.08	0.47	0.14	0.04	0.65	0.73	0.81	0.71	0.93	0.86	0.84	0.86
8	14	15	0.14	0.05	0.09	0.07	0.03	0.63	0.41	0.07	0.22	0.16	0.06	0.61	0.73	0.74	0.71	0.91	0.85	0.82	0.83
8	14	16	0.15	0.05	0.09	0.07	0.05	0.67	0.30	0.06	0.05	0.18	0.08	0.51	0.66	0.62	0.65	0.86	0.80	0.77	0.80
8	14	17	0.23	0.10	0.08	0.06	0.07	0.36	0.40	0.07	0.04	0.22	0.11	0.33	0.53	0.43	0.52	0.77	0.69	0.67	0.63
8	14	18	0.26	0.13	0.07	0.05	0.11	0.27	0.40	0.20	0.34	0.28	0.17	0.10	0.28	0.21	0.27	0.57	0.47	0.47	0.36
8	14	19	0.32	0.39	0.09	0.07	0.19	0.21	0.42	0.35	0.36	0.37	0.26	0.00	0.07	0.05	0.07	0.32	0.22	0.18	0.11
8	14	20	0.48	0.49	0.10	0.08	0.12	0.19	0.28	0.21	0.16	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	21	0.62	0.40	0.09	0.07	0.06	0.28	0.14	0.21	0.06	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	22	0.60	0.17	0.09	0.07	0.05	0.40	0.07	0.28	0.03	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	23	0.46	0.07	0.09	0.07	0.06	0.52	0.10	0.31	0.00	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	14	24	0.38	0.05	0.11	0.09	0.07	0.51	0.09	0.24	0.00	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	1	0.40	0.05	0.10	0.08	0.05	0.47	0.11	0.21	0.00	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	2	0.39	0.03	0.08	0.06	0.05	0.51	0.16	0.13	0.01	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	3	0.30	0.04	0.07	0.05	0.03	0.49	0.23	0.08	0.02	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	4	0.21	0.10	0.05	0.03	0.09	0.49	0.19	0.04	0.02	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	5	0.17	0.14	0.04	0.03	0.12	0.46	0.21	0.00	0.00	0.29	0.18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	15	6	0.07	0.08	0.05	0.03	0.22	0.40	0.16	0.00	0.00	0.27	0.16	0.00	0.04	0.19	0.04	0.05	0.00	0.00	0.02
8	15	7	0.00	0.04	0.05	0.03	0.25	0.25	0.10	0.00	0.00	0.20	0.10	0.02	0.27	0.44	0.27	0.46	0.37	0.39	0.36
8	15	8	0.00	0.03	0.04	0.02	0.41	0.19	0.06	0.00	0.00	0.16	0.06	0.22	0.52	0.64	0.51	0.72	0.66	0.66	0.65
8	15	9	0.00	0.03	0.03	0.02	0.31	0.17	0.03	0.00	0.00	0.09	0.01	0.46	0.70	0.76	0.69	0.86	0.80	0.78	0.80
8	15	10	0.00	0.04	0.04	0.02	0.44	0.10	0.02	0.03	0.00	0.08	0.00	0.63	0.82	0.87	0.80	0.94	0.86	0.86	0.88
8	15	11	0.00	0.08	0.05	0.04	0.59	0.05	0.02	0.08	0.08	0.09	0.01	0.72	0.85	0.86	0.83	0.96	0.89	0.89	0.90
8	15	12	0.01	0.07	0.09	0.07	0.42	0.05	0.06	0.13	0.42	0.10	0.01	0.74	0.84	0.83	0.82	0.96	0.89	0.88	0.91
8	15	13	0.24	0.05	0.14	0.12	0.33	0.30	0.20	0.16	0.36	0.10	0.02	0.76	0.84	0.83	0.83	0.94	0.88	0.86	0.90
8	15	14	0.32	0.04	0.16	0.14	0.38	0.66	0.33	0.16	0.42	0.11	0.03	0.72	0.81	0.78	0.79	0.88	0.87	0.85	0.88
8	15	15	0.34	0.10	0.18	0.16	0.36	0.36	0.35	0.18	0.19	0.14	0.05	0.66	0.79	0.76	0.77	0.88	0.84	0.83	0.87
8	15	16	0.35	0.08	0.21	0.19	0.42	0.35	0.20	0.19	0.11	0.17	0.07	0.52	0.67	0.68	0.66	0.87	0.81	0.78	0.80
8	15	17	0.28	0.08	0.22	0.20	0.20	0.26	0.14	0.33	0.05	0.23	0.12	0.34	0.55	0.51	0.54	0.78	0.69	0.67	0.68
8	15	18	0.28	0.14	0.22	0.20	0.10	0.12	0.18	0.60	0.04	0.36	0.25	0.11	0.29	0.27	0.29	0.57	0.43	0.42	0.44
8	15	19	0.41	0.36	0.25	0.23	0.22	0.11	0.30	0.56	0.07	0.41	0.31	0.00	0.07	0.06	0.07	0.31	0.18	0.15	0.13
8	15	20	0.56	0.56	0.27	0.25	0.21	0.12	0.16	0.38	0.09	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	21	0.55	0.51	0.24	0.21	0.27	0.13	0.13	0.31	0.15	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	22	0.40	0.31	0.29	0.27	0.24	0.22	0.08	0.31	0.12	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	23	0.40	0.23	0.42	0.40	0.28	0.34	0.14	0.31	0.09	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	15	24	0.47	0.19	0.48	0.46	0.22	0.51	0.12	0.33	0.06	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	1	0.46	0.14	0.49	0.47	0.47	0.62	0.05	0.31	0.04	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	2	0.43	0.08	0.47	0.45	0.22	0.63	0.02	0.28	0.02	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	3	0.36	0.02	0.46	0.44	0.23	0.58	0.01	0.17	0.01	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	4	0.28	0.01	0.48	0.46	0.13	0.53	0.01	0.11	0.00	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	5	0.21	0.00	0.51	0.50	0.33	0.51	0.01	0.07	0.00	0.16	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
8	16	6	0.09	0.00	0.50	0.48	0.56	0.45	0.01	0.07	0.00	0.10	0.01	0.00	0.05	0.21	0.05	0.07	0.00	0.00	0.02
8	16	7	0.02	0.00	0.45	0.43	0.29	0.33	0.00	0.04	0.00	0.02	0.00	0.02	0.28	0.51	0.27	0.49	0.35	0.38	0.27
8	16	8	0.03	0.00	0.39	0.37	0.17	0.41	0.00	0.02	0.00	0.05	0.00	0.23	0.52	0.73	0.51	0.75	0.64	0.65	0.54
8	16	9	0.04	0.01	0.39	0.37	0.16	0.45	0.00	0.04	0.00	0.08	0.00	0.46	0.70	0.85	0.69	0.88	0.80	0.79	0.70
8	16	10	0.05	0.01	0.44	0.42	0.08	0.36	0.01	0.11	0.02	0.12	0.03	0.63	0.81	0.91	0.79	0.95	0.88	0.86	0.78
8	16	11	0.05	0.02	0.45	0.43	0.06	0.22	0.03	0.17	0.10	0.15	0.05	0.74	0.87	0.88	0.85	0.98	0.89	0.89	0.83
8	16	12	0.09	0.04	0.50	0.48	0.08	0.18	0.05	0.20	0.15	0.18	0.08	0.78	0.87	0.86	0.85	0.98	0.90	0.89	0.89
8	16	13	0.23	0.07	0.55	0.53	0.09	0.56	0.07	0.26	0.15	0.20	0.09	0.80	0.88	0.76	0.86	0.96	0.88	0.87	0.85
8	16	14	0.27	0.09	0.57	0.55	0.12	0.74	0.11	0.29	0.16	0.19	0.09	0.76	0.85	0.74	0.83	0.95	0.88	0.86	0.81
8	16	15	0.36	0.10	0.56	0.54	0.06	0.50	0.17	0.33	0.15	0.19	0.09	0.67	0.80	0.68	0.78	0.92	0.86	0.84	0.84
8	16	16	0.43	0.14	0.56	0.54	0.12	0.37	0.30	0.35	0.05	0.21	0.10	0.55	0.72	0.58	0.70	0.88	0.81	0.79	0.76
8	16	17	0.31	0.17	0.56	0.54	0.30	0.26	0.41	0.37	0.18	0.19	0.08	0.35	0.56	0.39	0.55	0.79	0.70	0.68	0.64
8	16	18	0.32	0.19	0.53	0.51	0.23	0.07	0.54	0.37	0.55	0.20	0.09	0.11	0.31	0.18	0.30	0.58	0.48	0.46	0.40
8	16	19	0.45	0.42	0.53	0.51	0.15	0.08	0.62	0.33	0.46	0.26	0.16	0.00	0.07	0.03	0.07	0.31	0.19	0.17	0.11
8	16	20	0.46	0.53	0.51	0.49	0.20	0.18	0.51	0.34	0.17	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	21	0.46	0.55	0.45	0.43	0.21	0.26	0.45	0.33	0.46	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	22	0.39	0.52	0.43	0.41	0.26	0.24	0.45	0.35	0.26	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	23	0.34	0.41	0.39	0.37	0.41	0.24	0.44	0.36	0.02	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	16	24	0.33	0.36	0.35	0.33	0.39	0.29	0.39	0.24	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	1	0.30	0.32	0.36	0.34	0.34	0.34	0.39	0.13	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	2	0.26	0.26	0.36	0.34	0.21	0.34	0.34	0.09	0.00	0.24	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	3	0.19	0.18	0.32	0.30	0.22	0.31	0.24	0.07	0.00	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	4	0.16	0.14	0.32	0.30	0.32	0.33	0.17	0.06	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	5	0.14	0.09	0.31	0.29	0.34	0.37	0.21	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	6	0.09	0.05	0.29	0.26	0.26	0.35	0.17	0.03	0.00	0.05	0.00	0.00	0.03	0.16	0.03	0.06	0.00	0.00	0.02
8	17	7	0.06	0.03	0.20	0.18	0.18	0.26	0.08	0.01	0.00	0.04	0.00	0.02	0.27	0.45	0.26	0.48	0.36	0.39	0.40
8	17	8	0.07	0.01	0.14	0.12	0.15	0.24	0.07	0.02	0.00	0.07	0.00	0.23	0.52	0.66	0.51	0.76	0.66	0.66	0.68
8	17	9	0.06	0.02	0.10	0.08	0.12	0.32	0.08	0.03	0.00	0.11	0.02	0.45	0.70	0.80	0.68	0.90	0.81	0.80	0.81
8	17	10	0.06	0.05	0.08	0.06	0.10	0.33	0.11	0.06	0.00	0.15	0.05	0.62	0.80	0.84	0.78	0.96	0.88	0.87	0.87
8	17	11	0.08	0.06	0.08	0.06	0.08	0.31	0.14	0.11	0.04	0.17	0.07	0.70	0.82	0.83	0.81	0.99	0.90	0.89	0.89
8	17	12	0.10	0.07	0.10	0.08	0.07	0.34	0.22	0.17	0.13	0.18	0.07	0.75	0.85	0.85	0.83	0.98	0.90	0.88	0.90
8	17	13	0.13	0.07	0.14	0.11	0.08	0.46	0.44	0.25	0.07	0.17	0.07	0.74	0.81	0.77	0.80	0.97	0.88	0.86	0.88
8	17	14	0.26	0.10	0.17	0.15	0.10	0.55	0.20	0.28	0.08	0.17	0.06	0.72	0.81	0.76	0.80	0.95	0.86	0.85	0.87
8	17	15	0.36	0.13	0.21	0.19	0.08	0.55	0.15	0.27	0.08	0.16	0.06	0.63	0.75	0.72	0.73	0.92	0.85	0.83	0.84
8	17	16	0.52	0.14	0.25	0.22	0.08	0.65	0.19	0.33	0.27	0.16	0.06	0.49	0.64	0.63	0.63	0.89	0.80	0.78	0.74
8	17	17	0.62	0.32	0.28	0.26	0.06	0.77	0.24	0.38	0.22	0.20	0.10	0.33	0.52	0.46	0.51	0.78	0.69	0.66	0.55
8	17	18	0.68	0.47	0.31	0.29	0.07	0.81	0.20	0.43	0.17	0.24	0.13	0.10	0.28	0.21	0.27	0.56	0.47	0.44	0.32
8	17	19	0.65	0.51	0.35	0.33	0.10	0.82	0.21	0.44	0.20	0.30	0.19	0.00	0.06	0.03	0.06	0.28	0.18	0.15	0.08
8	17	20	0.63	0.59	0.38	0.36	0.11	0.68	0.14	0.51	0.39	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	21	0.68	0.62	0.38	0.36	0.08	0.67	0.17	0.57	0.34	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	22	0.67	0.56	0.37	0.35	0.07	0.68	0.21	0.53	0.28	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	23	0.60	0.54	0.34	0.32	0.05	0.73	0.31	0.35	0.34	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	17	24	0.50	0.52	0.30	0.27	0.07	0.74	0.42	0.19	0.17	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	1	0.44	0.48	0.25	0.23	0.10	0.70	0.51	0.12	0.09	0.11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	2	0.42	0.45	0.18	0.15	0.09	0.66	0.54	0.14	0.06	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	3	0.39	0.45	0.13	0.11	0.07	0.61	0.55	0.14	0.01	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	4	0.37	0.44	0.11	0.09	0.10	0.64	0.54	0.13	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	5	0.29	0.43	0.10	0.08	0.18	0.72	0.53	0.11	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	6	0.25	0.46	0.11	0.09	0.26	0.73	0.41	0.11	0.10	0.02	0.00	0.00	0.04	0.12	0.04	0.06	0.00	0.00	0.03
8	18	7	0.10	0.40	0.08	0.06	0.30	0.77	0.22	0.06	0.05	0.01	0.00	0.02	0.30	0.37	0.30	0.48	0.37	0.36	0.41
8	18	8	0.07	0.25	0.07	0.05	0.28	0.57	0.22	0.08	0.02	0.01	0.00	0.24	0.55	0.61	0.54	0.74	0.65	0.65	0.68
8	18	9	0.11	0.08	0.12	0.10	0.26	0.53	0.25	0.13	0.04	0.02	0.00	0.47	0.72	0.76	0.71	0.88	0.81	0.79	0.82
8	18	10	0.27	0.02	0.18	0.16	0.23	0.67	0.22	0.22	0.06	0.06	0.00	0.65	0.83	0.89	0.82	0.95	0.89	0.87	0.89
8	18	11	0.34	0.02	0.23	0.20	0.17	0.78	0.17	0.34	0.08	0.09	0.01	0.75	0.88	0.88	0.87	0.97	0.90	0.88	0.91
8	18	12	0.40	0.03	0.29	0.27	0.13	0.87	0.17	0.46	0.13	0.11	0.03	0.79	0.89	0.85	0.87	0.97	0.90	0.87	0.92
8	18	13	0.46	0.06	0.35	0.33	0.16	0.92	0.25	0.56	0.14	0.19	0.09	0.80	0.89	0.84	0.87	0.95	0.89	0.86	0.90
8	18	14	0.50	0.11	0.40	0.38	0.21	0.94	0.26	0.63	0.15	0.42	0.30	0.78	0.88	0.83	0.86	0.94	0.87	0.85	0.88
8	18	15	0.59	0.21	0.43	0.41	0.31	0.93	0.36	0.69	0.13	0.42	0.31	0.69	0.82	0.79	0.81	0.92	0.85	0.83	0.84
8	18	16	0.72	0.36	0.46	0.44	0.45	0.94	0.35	0.72	0.30	0.28	0.17	0.55	0.72	0.70	0.71	0.80	0.81	0.77	0.77
8	18	17	0.77	0.55	0.48	0.46	0.53	0.93	0.36	0.76	0.19	0.18	0.08	0.35	0.56	0.58	0.55	0.60	0.69	0.66	0.62
8	18	18	0.85	0.57	0.48	0.46	0.47	0.88	0.24	0.78	0.14	0.25	0.13	0.10	0.30	0.29	0.29	0.38	0.47	0.42	0.37
8	18	19	0.86	0.60	0.44	0.42	0.37	0.84	0.18	0.71	0.23	0.14	0.05	0.00	0.06	0.05	0.05	0.15	0.18	0.14	0.09
8	18	20	0.83	0.70	0.37	0.35	0.42	0.82	0.22	0.74	0.33	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	21	0.75	0.66	0.34	0.32	0.61	0.75	0.36	0.76	0.41	0.38	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	22	0.71	0.63	0.34	0.31	0.56	0.75	0.40	0.72	0.50	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	23	0.68	0.54	0.33	0.31	0.46	0.77	0.38	0.65	0.54	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	18	24	0.59	0.48	0.32	0.30	0.44	0.78	0.36	0.55	0.64	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	1	0.52	0.50	0.28	0.26	0.59	0.78	0.40	0.47	0.51	0.35	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	2	0.43	0.48	0.30	0.28	0.64	0.74	0.49	0.49	0.36	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	3	0.34	0.46	0.28	0.26	0.70	0.72	0.49	0.42	0.33	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	4	0.34	0.45	0.28	0.25	0.73	0.70	0.50	0.35	0.31	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	5	0.38	0.38	0.22	0.20	0.74	0.68	0.57	0.36	0.23	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	19	6	0.37	0.34	0.22	0.20	0.75	0.68	0.52	0.31	0.19	0.45	0.36	0.00	0.02	0.16	0.02	0.00	0.00	0.00	0.03
8	19	7	0.23	0.29	0.28	0.26	0.71	0.64	0.36	0.33	0.12	0.43	0.33	0.02	0.23	0.41	0.23	0.13	0.34	0.35	0.39
8	19	8	0.25	0.25	0.35	0.33	0.54	0.78	0.35	0.41	0.21	0.46	0.35	0.21	0.48	0.64	0.48	0.31	0.66	0.64	0.67
8	19	9	0.42	0.15	0.42	0.40	0.48	0.95	0.45	0.58	0.31	0.40	0.29	0.43	0.65	0.83	0.64	0.38	0.81	0.80	0.82
8	19	10	0.53	0.14	0.56	0.54	0.57	0.99	0.47	0.72	0.44	0.31	0.20	0.59	0.75	0.91	0.74	0.42	0.88	0.85	0.88
8	19	11	0.54	0.16	0.61	0.59	0.72	0.99	0.44	0.77	0.50	0.28	0.17	0.68	0.80	0.90	0.79	0.55	0.91	0.89	0.90
8	19	12	0.57	0.22	0.65	0.63	0.77	1.00	0.38	0.80	0.55	0.28	0.17	0.77	0.86	0.87	0.85	0.69	0.91	0.88	0.90
8	19	13	0.67	0.25	0.62	0.60	0.84	1.00	0.37	0.81	0.56	0.26	0.16	0.79	0.87	0.86	0.85	0.75	0.88	0.87	0.89
8	19	14	0.75	0.31	0.64	0.63	0.83	1.00	0.39	0.81	0.65	0.33	0.22	0.76	0.85	0.85	0.84	0.77	0.88	0.86	0.88
8	19	15	0.78	0.36	0.63	0.61	0.84	1.00	0.55	0.81	0.71	0.27	0.16	0.69	0.82	0.77	0.81	0.84	0.85	0.84	0.87

Month	Day	Hour	Solar												Geothermal	Biomass	Small Hydro
			Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
8	14	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
8	14	6	0.00	0.06	0.10	0.19	0.02	0.02	0.00	0.02	0.22	0.18	0.18	0.43	1.00	1.00	1.00
8	14	7	0.34	0.47	0.48	0.37	0.30	0.08	0.05	0.30	0.33	0.46	0.42	0.72	1.00	1.00	1.00
8	14	8	0.64	0.66	0.62	0.67	0.40	0.21	0.16	0.39	0.60	0.60	0.67	0.86	1.00	1.00	1.00
8	14	9	0.82	0.86	0.54	0.64	0.54	0.37	0.49	0.53	0.70	0.64	0.85	0.97	1.00	1.00	1.00
8	14	10	0.94	0.82	0.69	0.58	0.56	0.67	0.58	0.56	0.75	0.68	0.91	0.97	1.00	1.00	1.00
8	14	11	0.97	0.95	0.77	0.47	0.55	0.50	0.48	0.55	0.65	0.77	0.92	1.00	1.00	1.00	1.00
8	14	12	0.97	0.97	0.66	0.32	0.54	0.53	0.31	0.53	0.54	0.79	0.90	0.95	1.00	1.00	1.00
8	14	13	0.96	0.89	0.70	0.30	0.70	0.60	0.66	0.70	0.62	0.78	0.90	0.96	1.00	1.00	1.00
8	14	14	0.95	0.91	0.57	0.62	0.63	0.65	0.45	0.63	0.37	0.81	0.84	0.97	1.00	1.00	1.00
8	14	15	0.93	0.84	0.49	0.76	0.69	0.74	0.63	0.69	0.32	0.77	0.71	0.91	1.00	1.00	1.00
8	14	16	0.87	0.66	0.32	0.81	0.74	0.72	0.67	0.74	0.36	0.58	0.55	0.75	1.00	1.00	1.00
8	14	17	0.71	0.47	0.45	0.61	0.63	0.61	0.60	0.62	0.28	0.49	0.39	0.42	1.00	1.00	1.00
8	14	18	0.44	0.15	0.26	0.28	0.35	0.33	0.33	0.35	0.17	0.31	0.11	0.08	1.00	1.00	1.00
8	14	19	0.14	0.02	0.04	0.04	0.04	0.03	0.03	0.04	0.05	0.07	0.00	0.00	1.00	1.00	1.00
8	14	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	14	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
8	15	6	0.00	0.01	0.10	0.23	0.12	0.07	0.06	0.12	0.21	0.15	0.10	0.42	1.00	1.00	1.00
8	15	7	0.27	0.31	0.49	0.57	0.46	0.28	0.48	0.45	0.44	0.45	0.25	0.72	1.00	1.00	1.00
8	15	8	0.52	0.65	0.74	0.77	0.69	0.62	0.70	0.69	0.62	0.60	0.42	0.90	1.00	1.00	1.00
8	15	9	0.72	0.83	0.88	0.86	0.83	0.84	0.85	0.83	0.64	0.73	0.57	0.98	1.00	1.00	1.00
8	15	10	0.90	0.93	0.94	0.91	0.87	0.87	0.92	0.87	0.80	0.79	0.70	0.99	1.00	1.00	1.00
8	15	11	0.96	0.97	0.96	0.93	0.84	0.64	0.93	0.84	0.75	0.77	0.76	0.94	1.00	1.00	1.00
8	15	12	0.97	0.85	0.88	0.93	0.83	0.61	0.80	0.82	0.60	0.78	0.84	0.88	1.00	1.00	1.00
8	15	13	0.95	0.97	0.78	0.75	0.90	0.88	0.71	0.89	0.59	0.75	0.88	0.83	1.00	1.00	1.00
8	15	14	0.92	0.94	0.68	0.91	0.86	0.69	0.72	0.85	0.52	0.75	0.87	0.69	1.00	1.00	1.00
8	15	15	0.89	0.93	0.74	0.89	0.83	0.83	0.63	0.82	0.58	0.68	0.78	0.74	1.00	1.00	1.00
8	15	16	0.80	0.87	0.59	0.68	0.73	0.77	0.49	0.73	0.52	0.65	0.69	0.67	1.00	1.00	1.00
8	15	17	0.65	0.72	0.50	0.70	0.66	0.59	0.47	0.65	0.40	0.58	0.50	0.41	1.00	1.00	1.00
8	15	18	0.38	0.43	0.38	0.37	0.39	0.26	0.19	0.39	0.35	0.37	0.10	0.07	1.00	1.00	1.00
8	15	19	0.11	0.10	0.07	0.04	0.04	0.02	0.01	0.04	0.06	0.08	0.00	0.00	1.00	1.00	1.00
8	15	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	15	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
8	16	6	0.00	0.01	0.11	0.22	0.13	0.14	0.09	0.13	0.22	0.21	0.21	0.39	1.00	1.00	1.00
8	16	7	0.25	0.24	0.48	0.56	0.50	0.50	0.50	0.50	0.46	0.52	0.55	0.71	1.00	1.00	1.00
8	16	8	0.61	0.59	0.72	0.75	0.73	0.73	0.72	0.72	0.64	0.71	0.74	0.89	1.00	1.00	1.00
8	16	9	0.81	0.82	0.87	0.87	0.84	0.84	0.83	0.84	0.75	0.82	0.85	0.96	1.00	1.00	1.00
8	16	10	0.87	0.94	0.93	0.91	0.90	0.90	0.85	0.90	0.77	0.85	0.90	1.00	1.00	1.00	1.00
8	16	11	0.91	0.98	0.95	0.93	0.87	0.91	0.93	0.87	0.60	0.81	0.91	0.95	1.00	1.00	1.00
8	16	12	0.90	0.98	0.91	0.77	0.87	0.92	0.92	0.87	0.51	0.81	0.91	0.94	1.00	1.00	1.00
8	16	13	0.92	0.94	0.94	0.92	0.82	0.92	0.90	0.81	0.29	0.71	0.85	0.87	1.00	1.00	1.00
8	16	14	0.91	0.94	0.90	0.92	0.89	0.90	0.72	0.88	0.26	0.69	0.84	0.86	1.00	1.00	1.00
8	16	15	0.88	0.92	0.82	0.87	0.88	0.78	0.72	0.87	0.31	0.66	0.64	0.84	1.00	1.00	1.00
8	16	16	0.81	0.83	0.76	0.81	0.82	0.76	0.67	0.81	0.18	0.63	0.52	0.75	1.00	1.00	1.00
8	16	17	0.65	0.70	0.67	0.63	0.65	0.57	0.62	0.65	0.14	0.43	0.35	0.43	1.00	1.00	1.00
8	16	18	0.39	0.44	0.38	0.41	0.34	0.31	0.34	0.33	0.13	0.29	0.10	0.09	1.00	1.00	1.00
8	16	19	0.11	0.09	0.06	0.04	0.03	0.02	0.02	0.03	0.03	0.06	0.00	0.00	1.00	1.00	1.00
8	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	17	6	0.00	0.01	0.08	0.17	0.09	0.08	0.05	0.09	0.26	0.11	0.14	0.30	1.00	1.00	1.00
8	17	7	0.28	0.33	0.44	0.43	0.43	0.42	0.44	0.43	0.55	0.35	0.43	0.63	1.00	1.00	1.00
8	17	8	0.56	0.68	0.69	0.71	0.71	0.67	0.66	0.70	0.71	0.50	0.62	0.85	1.00	1.00	1.00
8	17	9	0.74	0.85	0.85	0.81	0.81	0.77	0.82	0.80	0.82	0.67	0.77	0.87	1.00	1.00	1.00
8	17	10	0.81	0.92	0.86	0.85	0.86	0.89	0.86	0.85	0.83	0.78	0.83	0.70	1.00	1.00	1.00
8	17	11	0.92	0.96	0.92	0.64	0.77	0.87	0.84	0.76	0.75	0.77	0.83	0.69	1.00	1.00	1.00
8	17	12	0.95	0.99	0.81	0.78	0.77	0.89	0.78	0.77	0.73	0.73	0.79	0.86	1.00	1.00	1.00
8	17	13	0.95	0.98	0.78	0.64	0.68	0.78	0.76	0.68	0.54	0.64	0.73	0.86	1.00	1.00	1.00
8	17	14	0.94	0.97	0.81	0.69	0.79	0.80	0.73	0.78	0.57	0.63	0.75	0.78	1.00	1.00	1.00
8	17	15	0.91	0.95	0.68	0.76	0.58	0.68	0.70	0.57	0.54	0.64	0.66	0.72	1.00	1.00	1.00
8	17	16	0.84	0.88	0.68	0.46	0.43	0.62	0.68	0.42	0.49	0.60	0.60	0.56	1.00	1.00	1.00
8	17	17	0.69	0.75	0.61	0.44	0.44	0.56	0.64	0.44	0.41	0.48	0.40	0.35	1.00	1.00	1.00
8	17	18	0.43	0.46	0.35	0.17	0.26	0.28	0.31	0.26	0.27	0.33	0.10	0.06	1.00	1.00	1.00
8	17	19	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.02	0.03	0.06	0.00	0.00	1.00	1.00	1.00
8	17	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	18	6	0.00	0.03	0.11	0.18	0.13	0.11	0.07	0.13	0.09	0.07	0.20	0.19	1.00	1.00	1.00
8	18	7	0.32	0.47	0.51	0.55	0.49	0.50	0.47	0.49	0.27	0.34	0.53	0.35	1.00	1.00	1.00
8	18	8	0.65	0.75	0.76	0.76	0.73	0.71	0.72	0.72	0.42	0.60	0.74	0.61	1.00	1.00	1.00
8	18	9	0.83	0.90	0.88	0.87	0.84	0.82	0.86	0.83	0.48	0.77	0.83	0.86	1.00	1.00	1.00
8	18	10	0.93	0.97	0.95	0.93	0.89	0.88	0.92	0.88	0.73	0.85	0.86	1.00	1.00	1.00	1.00
8	18	11	0.97	1.00	0.97	0.93	0.93	0.88	0.94	0.92	0.60	0.85	0.87	0.99	1.00	1.00	1.00
8	18	12	0.98	1.00	0.97	0.81	0.91	0.88	0.93	0.90	0.61	0.77	0.84	0.93	1.00	1.00	1.00
8	18	13	0.96	0.96	0.95	0.82	0.90	0.91	0.92	0.89	0.63	0.77	0.75	0.93	1.00	1.00	1.00
8	18	14	0.96	0.95	0.95	0.91	0.90	0.88	0.91	0.89	0.61	0.83	0.81	0.82	1.00	1.00	1.00
8	18	15	0.93	0.95	0.93	0.84	0.83	0.87	0.81	0.83	0.71	0.75	0.77	0.68	1.00	1.00	1.00
8	18	16	0.86	0.87	0.87	0.63	0.79	0.80	0.80	0.78	0.68	0.69	0.68	0.57	1.00	1.00	1.00
8	18	17	0.71	0.74	0.71	0.64	0.67	0.64	0.64	0.66	0.65	0.64	0.57	0.36	1.00	1.00	1.00
8	18	18	0.44	0.45	0.41	0.39	0.37	0.35	0.29	0.37	0.37	0.42	0.19	0.06	1.00	1.00	1.00
8	18	19	0.12	0.09	0.06	0.03	0.03	0.02	0.01	0.03	0.06	0.08	0.00	0.00	1.00	1.00	1.00
8	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	19	6	0.00	0.03	0.05	0.06	0.07	0.07	0.04	0.07	0.26	0.13	0.18	0.27	1.00	1.00	1.00
8	19	7	0.27	0.34	0.35	0.35	0.38	0.49	0.44	0.38	0.55	0.45	0.50	0.49	1.00	1.00	1.00
8	19	8	0.60	0.56	0.65	0.69	0.65	0.73	0.69	0.65	0.72	0.66	0.72	0.62	1.00	1.00	1.00
8	19	9	0.84	0.69	0.74	0.75	0.82	0.86	0.84	0.81	0.82	0.80	0.84	0.91	1.00	1.00	1.00
8	19	10	0.95	0.94	0.76	0.78	0.85	0.92	0.88	0.84	0.86	0.86	0.89	0.89	1.00	1.00	1.00
8	19	11	0.98	0.88	0.84	0.78	0.79	0.94	0.90	0.78	0.86	0.88	0.88	0.76	1.00	1.00	1.00
8	19	12	0.97	0.98	0.95	0.90	0.83	0.93	0.90	0.82	0.84	0.88	0.83	0.68	1.00	1.00	1.00
8	19	13	0.97	0.97	0.87	0.90	0.88	0.93	0.90	0.87	0.84	0.85	0.85	0.61	1.00	1.00	1.00
8	19	14	0.96	0.97	0.89	0.91	0.89	0.86	0.88	0.88	0.84	0.87	0.80	0.60	1.00	1.00	1.00
8	19	15	0.94	0.95	0.83	0.90	0.86	0.86	0.89	0.85	0.83	0.84	0.70	0.42	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
8	19	16	0.78	0.17	0.90	0.41	0.01	0.17	0.45	0.43	0.80	0.77	0.65	0.39	0.78	0.45	0.64	0.63	0.85	1.00	0.66	0.80	0.72	0.17	0.08	0.55	0.73	0.69	0.71	0.80	0.80	0.78	0.79	0.87	0.82	0.76	0.82	0.78	0.79	0.81	0.77	0.78	0.79	0.54	0.38	1.00	1.00	1.00
8	19	17	0.83	0.25	0.94	0.39	0.08	0.24	0.52	0.48	0.85	0.83	0.73	0.51	0.84	0.56	0.59	0.58	0.85	0.99	0.58	0.80	0.69	0.25	0.14	0.35	0.56	0.54	0.55	0.72	0.70	0.67	0.68	0.72	0.64	0.67	0.68	0.60	0.59	0.66	0.60	0.66	0.68	0.37	0.25	1.00	1.00	1.00
8	19	18	0.90	0.38	0.90	0.37	0.19	0.26	0.59	0.50	0.91	0.90	0.79	0.63	0.90	0.68	0.51	0.50	0.90	0.97	0.46	0.78	0.59	0.38	0.26	0.10	0.29	0.27	0.29	0.50	0.48	0.42	0.41	0.43	0.40	0.40	0.32	0.34	0.32	0.27	0.33	0.39	0.40	0.10	0.03	1.00	1.00	1.00
8	19	19	0.89	0.21	0.73	0.37	0.38	0.28	0.66	0.60	0.90	0.89	0.82	0.63	0.89	0.68	0.45	0.44	0.66	0.92	0.48	0.73	0.58	0.21	0.12	0.00	0.05	0.05	0.05	0.20	0.18	0.13	0.10	0.10	0.06	0.05	0.02	0.02	0.02	0.01	0.02	0.06	0.07	0.00	0.00	1.00	1.00	1.00
8	19	20	0.81	0.42	0.71	0.40	0.55	0.38	0.67	0.65	0.83	0.81	0.79	0.53	0.81	0.58	0.39	0.37	0.41	0.89	0.40	0.71	0.70	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	21	0.73	0.45	0.65	0.35	0.63	0.63	0.65	0.62	0.76	0.73	0.76	0.48	0.74	0.54	0.31	0.29	0.44	0.86	0.34	0.64	0.81	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	22	0.58	0.48	0.54	0.30	0.64	0.74	0.61	0.56	0.62	0.58	0.77	0.48	0.59	0.54	0.28	0.26	0.40	0.85	0.34	0.63	0.84	0.48	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	23	0.51	0.71	0.50	0.24	0.67	0.63	0.54	0.49	0.55	0.50	0.76	0.46	0.51	0.52	0.26	0.24	0.38	0.83	0.47	0.67	0.80	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	19	24	0.46	0.78	0.50	0.18	0.65	0.49	0.46	0.46	0.50	0.45	0.78	0.41	0.47	0.47	0.23	0.20	0.28	0.77	0.58	0.59	0.77	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	1	0.57	0.81	0.43	0.13	0.60	0.38	0.36	0.49	0.61	0.56	0.74	0.39	0.57	0.45	0.20	0.18	0.18	0.62	0.63	0.52	0.74	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	2	0.45	0.84	0.38	0.09	0.54	0.44	0.27	0.49	0.50	0.45	0.70	0.38	0.46	0.44	0.20	0.18	0.14	0.51	0.68	0.52	0.70	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	3	0.33	0.76	0.32	0.09	0.45	0.49	0.20	0.42	0.38	0.32	0.67	0.39	0.34	0.46	0.20	0.18	0.11	0.51	0.73	0.48	0.67	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	4	0.24	0.75	0.25	0.08	0.35	0.50	0.17	0.41	0.29	0.23	0.65	0.39	0.24	0.45	0.20	0.18	0.07	0.44	0.69	0.41	0.59	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	5	0.21	0.69	0.22	0.08	0.28	0.33	0.14	0.46	0.27	0.20	0.60	0.35	0.22	0.41	0.23	0.21	0.08	0.28	0.69	0.40	0.57	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
8	20	6	0.17	0.58	0.20	0.07	0.22	0.22	0.09	0.46	0.22	0.16	0.49	0.32	0.18	0.39	0.27	0.25	0.10	0.16	0.63	0.35	0.42	0.58	0.50	0.00	0.05	0.22	0.04	0.05	0.00	0.00	0.05	0.00	0.05	0.12	0.21	0.13	0.07	0.07	0.13	0.26	0.21	0.18	0.38	1.00	1.00	1.00
8	20	7	0.13	0.38	0.21	0.07	0.15	0.21	0.07	0.38	0.19	0.12	0.31	0.26	0.14	0.33	0.27	0.25	0.05	0.13	0.56	0.24	0.22	0.38	0.28	0.02	0.31	0.52	0.30	0.48	0.36	0.37	0.43	0.37	0.49	0.52	0.55	0.52	0.43	0.48	0.51	0.54	0.54	0.50	0.68	1.00	1.00	1.00
8	20	8	0.12	0.38	0.22	0.05	0.05	0.04	0.04	0.22	0.18	0.11	0.20	0.21	0.13	0.28	0.25	0.23	0.04	0.15	0.64	0.21	0.21	0.38	0.28	0.24	0.55	0.74	0.54	0.74	0.64	0.65	0.69	0.69	0.75	0.77	0.75	0.73	0.70	0.73	0.72	0.73	0.74	0.72	0.87	1.00	1.00	1.00
8	20	9	0.12	0.37	0.22	0.08	0.01	0.04	0.02	0.13	0.18	0.11	0.12	0.05	0.13	0.11	0.30	0.27	0.04	0.23	0.73	0.23	0.20	0.37	0.26	0.47	0.72	0.87	0.71	0.88	0.79	0.79	0.82	0.85	0.89	0.89	0.87	0.84	0.80	0.86	0.83	0.81	0.84	0.84	0.95	1.00	1.00	1.00
8	20	10	0.13	0.37	0.22	0.12	0.00	0.08	0.02	0.10	0.19	0.13	0.07	0.01	0.14	0.08	0.35	0.32	0.07	0.26	0.75	0.30	0.19	0.37	0.27	0.65	0.83	0.93	0.81	0.94	0.86	0.85	0.88	0.93	0.98	0.94	0.92	0.91	0.89	0.91	0.91	0.85	0.87	0.90	0.98	1.00	1.00	1.00
8	20	11	0.15	0.38	0.28	0.17	0.00	0.05	0.01	0.10	0.21	0.14	0.07	0.00	0.16	0.07	0.47	0.45	0.12	0.20	0.82	0.37	0.17	0.38	0.28	0.75	0.88	0.96	0.86	0.96	0.89	0.88	0.90	0.96	1.00	0.95	0.95	0.92	0.93	0.93	0.91	0.87	0.89	0.92	0.98	1.00	1.00	1.00
8	20	12	0.22	0.34	0.43	0.21	0.00	0.06	0.02	0.15	0.28	0.21	0.14	0.00	0.23	0.06	0.56	0.54	0.17	0.14	0.88	0.38	0.18	0.34	0.23	0.80	0.90	0.94	0.88	0.95	0.89	0.87	0.90	0.96	1.00	0.95	0.93	0.93	0.94	0.92	0.92	0.85	0.87	0.92	0.94	1.00	1.00	1.00
8	20	13	0.29	0.30	0.55	0.26	0.00	0.04	0.05	0.23	0.34	0.28	0.29	0.00	0.30	0.06	0.63	0.62	0.23	0.15	0.89	0.36	0.19	0.30	0.19	0.81	0.89	0.94	0.88	0.95	0.88	0.86	0.89	0.96	0.97	0.95	0.92	0.90	0.90	0.93	0.89	0.86	0.88	0.90	0.93	1.00	1.00	1.00
8	20	14	0.35	0.33	0.68	0.30	0.00	0.06	0.10	0.33	0.40	0.34	0.41	0.01	0.36	0.07	0.66	0.65	0.34	0.20	0.89	0.33	0.22	0.33	0.23	0.78	0.87	0.93	0.86	0.95	0.86	0.85	0.88	0.95	0.96	0.95	0.92	0.89	0.87	0.89	0.88	0.86	0.87	0.88	0.89	1.00	1.00	1.00
8	20	15	0.43	0.53	0.75	0.34	0.00	0.08	0.15	0.46	0.47	0.42	0.47	0.03	0.44	0.10	0.65	0.64	0.44	0.23	0.84	0.31	0.22	0.53	0.42	0.70	0.83	0.86	0.81	0.92	0.84	0.82	0.86	0.91	0.94	0.92	0.87	0.86	0.87	0.87	0.86	0.84	0.85	0.84	0.75	1.00	1.00	1.00
8	20	16	0.49	0.32	0.79	0.37	0.03	0.10	0.23	0.56	0.53	0.48	0.50	0.05	0.50	0.12	0.62	0.61	0.41	0.28	0.79	0.27	0.23	0.32	0.22	0.56	0.73	0.78	0.72	0.87	0.78	0.77	0.81	0.86	0.83	0.84	0.83	0.80	0.75	0.77	0.79	0.78	0.80	0.77	0.63	1.00	1.00	1.00
8	20	17	0.55	0.27	0.84	0.39	0.15	0.13	0.30	0.62	0.59	0.54	0.51	0.06	0.56	0.14	0.57	0.56	0.38	0.39	0.71	0.24	0.24	0.27	0.17	0.35	0.57	0.61	0.56	0.78	0.66	0.66	0.68	0.71	0.62	0.68	0.70	0.67	0.60	0.64	0.66	0.65	0.69	0.59	0.46	1.00	1.00	1.00
8	20	18	0.63	0.33	0.86	0.40	0.33	0.20	0.39	0.66	0.66	0.63	0.51	0.09	0.64	0.16	0.52	0.51	0.35	0.56	0.46	0.22	0.27	0.33	0.22	0.10	0.28	0.28	0.28	0.54	0.46	0.44	0.41	0.39	0.35	0.40	0.26	0.31	0.29	0.28	0.31	0.33	0.41	0.22	0.06	1.00	1.00	1.00
8	20	19	0.75	0.38	0.80	0.42	0.56	0.31	0.50	0.73	0.77	0.74	0.51	0.24	0.75	0.31	0.44	0.42	0.31	0.81	0.34	0.25	0.36	0.37	0.28	0.00	0.05	0.05	0.05	0.22	0.17	0.14	0.10	0.09	0.04	0.04	0.01	0.02	0.01	0.01	0.02	0.05	0.07	0.00	0.00	1.00	1.00	1.00
8	20	20	0.78	0.62	0.69	0.47	0.71	0.59	0.56	0.70	0.80	0.78	0.55	0.40	0.78	0.46	0.33	0.31	0.47	0.84	0.31	0.23	0.53	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	21	0.66	0.79	0.59	0.40	0.72	0.72	0.59	0.68	0.69	0.66	0.58	0.43	0.67	0.49	0.27	0.25	0.42	0.79	0.37	0.18	0.63	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	22	0.50	0.82	0.57	0.29	0.70	0.76	0.59	0.66	0.53	0.49	0.59	0.41	0.50	0.48	0.23	0.21	0.27	0.79	0.41	0.14	0.66	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	23	0.41	0.80	0.56	0.24	0.68	0.64	0.61	0.67	0.46	0.41	0.66	0.37	0.42	0.43	0.19	0.16	0.17	0.80	0.44	0.14	0.65	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	20	24	0.42	0.68	0.56	0.23	0.65	0.54	0.60	0.66	0.47	0.42	0.65	0.45	0.43	0.51	0.15	0.13	0.12	0.80	0.42	0.10	0.58	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	1	0.46	0.59	0.63	0.20	0.61	0.41	0.60	0.64	0.51	0.46	0.66	0.49	0.47	0.54	0.13	0.11	0.12	0.76	0.45	0.06	0.52	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	2	0.46	0.49	0.69	0.17	0.56	0.36	0.56	0.60	0.50	0.45	0.56	0.48	0.47	0.53	0.13	0.11	0.15	0.65	0.46	0.01	0.49	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	3	0.43	0.37	0.65	0.12	0.49	0.41	0.48	0.59	0.48	0.43	0.43	0.44	0.44	0.50	0.10	0.08	0.17	0.59	0.41	0.01	0.47	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	4	0.36	0.23	0.60	0.08	0.41	0.44	0.41	0.55	0.41	0.36	0.38	0.43	0.37	0.49	0.07	0.05	0.16	0.52	0.37	0.00	0.47	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	5	0.32	0.19	0.56	0.04	0.35	0.39	0.32	0.51	0.37	0.31	0.30	0.41	0.33	0.48	0.06	0.04	0.17	0.46	0.36	0.00	0.41	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	21	6	0.23	0.14	0.46	0.02	0.29	0.36	0.25	0.44	0.28	0.22	0.20	0.39	0.24	0.46	0.07	0.05	0.15	0.36	0.35	0.00	0.27	0.14	0.04	0.00	0.04	0.22	0.04	0.05	0.00	0.00	0.05	0.00	0.03	0.09	0.17	0.09	0.12	0.06	0.09	0.26	0.19	0.20	0.35	1.00	1.00	1.00
8	21	7	0.13	0.06	0.26	0.01	0.21	0.24	0.20	0.32	0.18	0.12	0.09	0.27	0.14	0.34	0.04	0.03	0.10	0.17	0.24	0.00	0.11	0.06	0.00	0.02	0.29	0.53	0.28	0.43	0.34	0.36	0.43	0.30	0.41	0.47	0.52	0.45	0.49	0.47	0.45	0.55	0.53	0.55	0.66	1.00	1.00	1.00
8	21	8	0.05	0.03	0.21	0.00	0.07	0.05	0.15	0.17	0.10	0.04	0.02	0.14	0.06	0.21	0.02	0.01	0.12	0.11	0.32	0.00	0.03	0.03	0.00	0.24	0.54	0.74	0.53	0.66	0.64	0.63	0.68	0.66	0.71	0.74	0.75	0.70	0.72	0.71	0.70	0.74	0.73	0.74	0.85	1.00	1.00	1.00
8	21	9	0.05	0.02	0.17	0.00	0.01	0.03	0.10	0.06	0.10	0.04	0.02	0.03	0.06	0.09	0.01	0.00	0.11	0.07	0.49	0.00	0.02	0.02	0.00	0.47	0.72	0.86	0.70	0.83	0.79	0.78	0.81	0.85	0.89	0.87	0.86	0.84	0.82	0.84	0.83	0.83	0.82	0.84	0.92	1.00	1.00	1.00
8	21	10	0.06	0.07	0.12	0.01	0.00	0.03	0.09	0.01	0.12	0.05	0.05	0.00	0.07	0.05	0.01	0.00	0.11	0.03	0.55	0.00	0.01	0.07	0.00	0.64	0.82	0.93	0.81	0.93	0.86	0.85	0.88	0.93	0.96	0.94	0.91	0.89	0.86	0.91	0.88	0.86	0.88	0.88	0.98	1.00	1.00	1.00
8	21	11	0.03	0.10	0.12	0.02	0.00	0.03	0.10	0.00	0.08	0.02	0.13	0.00	0.04	0.07	0.02	0.01	0.10	0.01	0.56	0.00	0.02	0.10	0.02	0.75	0.87	0.95	0.86	0.95	0.87	0.86	0.90	0.97	0.99	0.96	0.93	0.92	0.88	0.92	0.91	0.85	0.89	0.89	0.98	1.00	1.00	1.00
8	21	12	0.00	0.14	0.15	0.04	0.00	0.06	0.10	0.01	0.04	0.00	0.26	0.02	0.00	0.09	0.02	0.01	0.10	0.00	0.55	0.00	0.02	0.14	0.05	0.80	0.89	0.95	0.87	0.93	0.87	0.86	0.90	0.97	0.98	0.95	0.94	0.90	0.89	0.93	0.90	0.84	0.88	0.90	0.98	1.00	1.00	1.00
8	21	13	0.00	0.18	0.18	0.06	0.00	0.05	0.12	0.05	0.06	0.00	0.35	0.04	0.01	0.11	0.03	0.01	0.11	0.00	0.54	0.00	0.04	0.18	0.07	0.80	0.88	0.93	0.87	0.94	0.86	0.85	0.88	0.94	0.97	0.95	0.91	0.89	0.87	0.92	0.88	0.85	0.87	0.89	0.92	1.00	1.00	1.00
8	21	14	0.03	0.23	0.18	0.08	0.00	0.10	0.15	0.16	0.08	0.02	0.39	0.09	0.04	0.16	0.03	0.02	0.13	0.00	0.52	0.01	0.05	0.23	0.12	0.77	0.86	0.93	0.85	0.92	0.84	0.83	0.87	0.93	0.96	0.93	0.91	0.89	0.88	0.90	0.88	0.84	0.86	0.88	0.93	1.00	1.00	1.00
8	21	15	0.10	0.39	0.18	0.09	0.00	0.15	0.22	0.37	0.16	0.09	0.44	0.19	0.11	0.26	0.03	0.02	0.14	0.00	0.49	0.02	0.06	0.39	0.27	0.69	0.82	0.87	0.80	0.91	0.80	0.81	0.86	0.91	0.93	0.90	0.88	0.87	0.84	0.87	0.86	0.81	0.84	0.84	0.80	1.00	1.00	1.00
8	21	16	0.20	0.36	0.16	0.11	0.06	0.18	0.29	0.59	0.26	0.19	0.49	0.33	0.21	0.40	0.04	0.02	0.14	0.00	0.46	0.01	0.07	0.36	0.26	0.55	0.72	0.78	0.71	0.86	0.77	0.74	0.80	0.85	0.84	0.83	0.79	0.79	0.73	0.78	0.78	0.77	0.79	0.74	0.69	1.00	1.00	1.00
8	21	17	0.26	0.36	0.18	0.14	0.26	0.19	0.34	0.70	0.31	0.25	0.52	0.41	0.27	0.48	0.04	0.03	0.16	0.00	0.42	0.00	0.07	0.36	0.27	0.35	0.56	0.59	0.55	0.75	0.67	0.63	0.68	0.67	0.70	0.69	0.64	0.63	0.58	0.63	0.62	0.64	0.67	0.56	0.40	1.00	1.00	1.00
8	21	18	0.29	0.64	0.21	0.17	0.46	0.27	0.41	0.78	0.34	0.28	0.49	0.43	0.30	0.49	0.06	0.04	0.19	0.00	0.33	0.01	0.09	0.64	0.55	0.10	0.29	0.27	0.28	0.50	0.45	0.40	0.42	0.34	0.42	0.43	0.35	0.34	0.30	0.28	0.34	0.31	0.41	0.20	0.05	1.00	1.00	1.00
8	21	19	0.39	0.62	0.33	0.26	0.67	0.82	0.51	0.83	0.44	0.39	0.46	0.42	0.40	0.47	0.10	0.08	0.24	0.01	0.27	0.04	0.12	0.62	0.54	0.00	0.05	0.04	0.05	0.19	0.16	0.11	0.09	0.07	0.06	0.05	0.02	0.02	0.01	0.01	0.02	0.05	0.06	0.00	0.00	1.00	1.00	1.00
8	21	20	0.51	0.60	0.57	0.30	0.74	0.86	0.57	0.79	0.55	0.50	0.45	0.51	0.52	0.56	0.15	0.13	0.25	0.04	0.25	0.07	0.23	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	21	0.50	0.65	0.63	0.26	0.75	0.82	0.56	0.77	0.54	0.49	0.43	0.65	0.51	0.69	0.15	0.13	0.26	0.25	0.23	0.07	0.38	0.66	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	22	0.48	0.64	0.59	0.23	0.76	0.83	0.55	0.76	0.52	0.47	0.42	0.64	0.49	0.69	0.19	0.17	0.21	0.53	0.20	0.06	0.46	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	23	0.51	0.51	0.57	0.29	0.77	0.59	0.54	0.75	0.55	0.50	0.40	0.55	0.51	0.60	0.16	0.14	0.18	0.62	0.12	0.07	0.47	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	21	24	0.50	0.47	0.49	0.29	0.69	0.41	0.52	0.71	0.54	0.49	0.43	0.59	0.51	0.63	0.17	0.14	0.15	0.62	0.08	0.09	0.50	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	1	0.45	0.50	0.31	0.28	0.61	0.49	0.42	0.68	0.50	0.45	0.45	0.70	0.46	0.73	0.15	0.13	0.17	0.63	0.06	0.09	0.46	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	2	0.44	0.37	0.21	0.27	0.56	0.58	0.35	0.68	0.49	0.44	0.56	0.72	0.45	0.76	0.13	0.10	0.21	0.56	0.06	0.09	0.43	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	3	0.44	0.27	0.15	0.24	0.50	0.23	0.28	0.64	0.49	0.43	0.62	0.73	0.45	0.76	0.09	0.07	0.21	0.52	0.08	0.07	0.44	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	4	0.48	0.23	0.12	0.22	0.44	0.26	0.26	0.59	0.52	0.47	0.59	0.73	0.49	0.76	0.07	0.05	0.19	0.52	0.12	0.07	0.46	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	5	0.45	0.26	0.11	0.18	0.37	0.33	0.20	0.55	0.50	0.44	0.54	0.68	0.46	0.72	0.06	0.04	0.17	0.52	0.12	0.07	0.43	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	22	6	0.37	0.30	0.06	0.14	0.28	0.27	0.18	0.49	0.42	0.36	0.48	0.62	0.38	0.66	0.05	0.03	0.18	0.39	0.08	0.08	0.40	0.30	0.19	0.00	0.04	0.21	0.04	0.04	0.01	0.00	0.05	0.00	0.03	0.10	0.17	0.12	0.11	0.05	0.12	0.22	0.20	0.22	0.34	1.00	1.00	1.00
8	22	7	0.29	0.32	0.01	0.12	0.15	0.20	0.15	0.43	0.34	0.28	0.32	0.51	0.30	0.56	0.03	0.02	0.14	0.24	0.04	0.08	0.29	0.32	0.21	0.02	0.29	0.52	0.28	0.45	0.34	0.34	0.42	0.24	0.44	0.50	0.53	0.47	0.50	0.44	0.46	0.52	0.53	0.55	0.64	1.00	1.00	1.00
8	22	8	0.27	0.37	0.00	0.07	0.03	0.06	0.11	0.31	0.32	0.26	0.34	0.41	0.28	0.47	0.02	0.01	0.14	0.20	0.03	0.08	0.27	0.37	0.26	0.23	0.53	0.73	0.52	0.73	0.64	0.61	0.67	0.50	0.74	0.77	0.74	0.70	0.73	0.67	0.70	0.73	0.72	0.74	0.80	1.00	1.00	1.00
8	22	9	0.29	0.37	0.00	0.08	0.00	0.03	0.06	0.20	0.35	0.28	0.43	0.39	0.30	0.45	0.02	0.01	0.14	0.28	0.03	0.19	0.42	0.37	0.26	0.47	0.71	0.87	0.70	0.87	0.78	0.77	0.80	0.80	0.88	0.89	0.86	0.84	0.81	0.82	0.83	0.82	0.83	0.85	0.95	1.00	1.00	1.00
8	22	10	0.29	0.30	0.00	0.07	0.00	0.01	0.05	0.19	0.35	0.28	0.49	0.35	0.30	0.41	0.02	0.01	0.13	0.32	0.04	0.36	0.44	0.30	0.19	0.64	0.82	0.92	0.81	0.94	0.86	0.84	0.86	0.93	0.97	0.95	0.90	0.90	0.89	0.88	0.89	0.86	0.87	0.90	0.92	1.00	1.00	1.00
8	22	11	0.36	0.24	0.00	0.05	0.00	0.00	0.04	0.25	0.41	0.35	0.56	0.32	0.37	0.38	0.02	0.01	0.11	0.36	0.04	0.48	0.47	0.24	0.14	0.75	0.88	0.92	0.86	0.96	0.89	0.86	0.89	0.97	0.97	0.96	0.94	0.92	0.91	0.92	0.91	0.87	0.86	0.92	0.82	1.00	1.00	1.00
8	22	12	0.39	0.23	0.00	0.03	0.00	0.00	0.03	0.38	0.44	0.39	0.59	0.36	0.40	0.42	0.03	0.02	0.11	0.33	0.07	0.55	0.46	0.23	0.13	0.79	0.89	0.90	0.87	0.96	0.88	0.85	0.89	0.97	0.96	0.96	0.93	0.92	0.88	0.91	0.91	0.85	0.86	0.91	0.72	1.00	1.00	1.00
8	22	13	0.49	0.30	0.00	0.01	0.00	0.01	0.03	0.55	0.53	0.48	0.62	0.42	0.49	0.48	0.04	0.02	0.11	0.36	0.15	0.57	0.50	0.30	0.19	0.80	0.88	0.88	0.86	0.95	0.86	0.84	0.87	0.96	0.96	0.94	0.91	0.91	0.87	0.88	0.90	0.83	0.80	0.89	0.71	1.00	1.00	1.00
8	22	14	0.57	0.46	0.00	0.02	0.00	0.02	0.03	0.69	0.60	0.56	0.64	0.45	0.57	0.51	0.04	0.03	0.14	0.42	0.37	0.58	0.57	0.46	0.35	0.77	0.87	0.82	0.85	0.93	0.85	0.83	0.87	0.94	0.95	0.93	0.92	0.89	0.86	0.91	0.88	0.84	0.75	0.87	0.56	1.00	1.00	1.00
8	22	15	0.67	0.27	0.00	0.03	0.02	0.03	0.02	0.79	0.69	0.66	0.64	0.48	0.67	0.54	0.05	0.03	0.23	0.55	0.40	0.62	0.58	0.27	0.18	0.69	0.82	0.76	0.80	0.90	0.82	0.81	0.86	0.91	0.91	0.91	0.89	0.86	0.83	0.88	0.85	0.81	0.71	0.84	0.39	1.00	1.00	1.00
8	22	16	0.74	0.42	0.00	0.05	0.15	0.04	0.04	0.84	0.76	0.74	0.66	0.50	0.74	0.55	0.06	0.04	0.35	0.74	0.46	0.61	0.59	0.42	0.32	0.56	0.73	0.66	0.72	0.85	0.76	0.76	0.80	0.85	0.87	0.84	0.81	0.79	0.75	0.79	0.78	0.69	0.68	0.76	0.22	1.00	1.00	1.00
8	22	17	0.83	0.57	0.00	0.07	0.36	0.08	0.08	0.85	0.85	0.83	0.70	0.52	0.84	0.56	0.08	0.06	0.50	0.90	0.39	0.58	0.61	0.57	0.48	0.35	0.56	0.52	0.55	0.75	0.65	0.64	0.69	0.70	0.68	0.67	0.65	0.61	0.60	0.64	0.60	0.65	0.59	0.56	0.12	1.00	1.00	1.00
8	22	18	0.87	0.60	0.00	0.13	0.51	0.21	0.10	0.83	0.88	0.87	0.78	0.66	0.87	0.70	0.10	0.08	0.55	0.95	0.29	0.52	0.58	0.60	0.52	0.09	0.28	0.25	0.27	0.50	0.42	0.42	0.41	0.40	0.36	0.36	0.36	0.29	0.32	0.23	0.29	0.27	0.35	0.23	0.01	1.00	1.00	1.00
8	22	19	0.86	0.59	0.00	0.24	0.64	0.69	0.10	0.84	0.88	0.86	0.86	0.70	0.87	0.73	0.14	0.11	0.53	0.94	0.41	0.54	0.76	0.59	0.51	0.00	0.04	0.04	0.04	0.19	0.13	0.12	0.08	0.08	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.04	0.06	0.00	0.00	1.00	1.00	1.00
8	22	20	0.80	0.62	0.01	0.29	0.71	0.73	0.07	0.81	0.82	0.80	0.85	0.64	0.80	0.67	0.17	0.15	0.55	0.89	0.32	0.63	0.83	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	21	0.73	0.73	0.16	0.32	0.71	0.73	0.04	0.80	0.75	0.72	0.86	0.62	0.73	0.66	0.17	0.15	0.65	0.74	0.18	0.71	0.82	0.73	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	22	0.75	0.39	0.25	0.29	0.70	0.72	0.01	0.80	0.77	0.74	0.85	0.64	0.75	0.68	0.21	0.18	0.74	0.57	0.15	0.69	0.79	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	23	0.74	0.15	0.26	0.26	0.67	0.62	0.00	0.75	0.77	0.74	0.80	0.67	0.75	0.71	0.18	0.16	0.61	0.48	0.09	0.68	0.83	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	22	24	0.57	0.41	0.20	0.28	0.61	0.46	0.00	0.70	0.60	0.56	0.75	0.70	0.58	0.73	0.13	0.11	0.66	0.30	0.11	0.67	0.84	0.41	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	1	0.51	0.27	0.14	0.26	0.47	0.46	0.00	0.66	0.55	0.50	0.73	0.72	0.52	0.75	0.09	0.07	0.70	0.17	0.14	0.64	0.88	0.27	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	2	0.46	0.40	0.13	0.25	0.33	0.50	0.00	0.61	0.50	0.45	0.71	0.73	0.46	0.76	0.07	0.05	0.61	0.13	0.17	0.62	0.86	0.39	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	3	0.43	0.70	0.09	0.22	0.29	0.54	0.00	0.56	0.47	0.42	0.73	0.70	0.43	0.74	0.05	0.04	0.54	0.15	0.16	0.63	0.76	0.70	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	4	0.39	0.78	0.05	0.20	0.29	0.48	0.00	0.51	0.44	0.39	0.72	0.62	0.40	0.66	0.04	0.02	0.48	0.09	0.12	0.58	0.64	0.78	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	5	0.35	0.80	0.02	0.17	0.27	0.35	0.00	0.45	0.40	0.34	0.67	0.59	0.35	0.63	0.02	0.01	0.49	0.07	0.09	0.50	0.49	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	23	6	0.24	0.73	0.02	0.15	0.21	0.25	0.00	0.38	0.30	0.24	0.63	0.57	0.25	0.62	0.02	0.01	0.39	0.06	0.08	0.41	0.36	0.73	0.67	0.00	0.03	0.19	0.03	0.04	0.01	0.01	0.03	0.00	0.03	0.09	0.12	0.07	0.10	0.05	0.07	0.21	0.22	0.20	0.25	1.00	1.00	1.00
8	23	7	0.14	0.68	0.00	0.13	0.12	0.16	0.00	0.27	0.20	0.14	0.49	0.49	0.15	0.54	0.01	0.01	0.20	0.04	0.06	0.39	0.27	0.68	0.62	0.02	0.28	0.50	0.27	0.44	0.33	0.33	0.41	0.23	0.46	0.51	0.47	0.45	0.48	0.46	0.44	0.55	0.55	0.54	0.48	1.00	1.00	1.00
8	23	8	0.10	0.71	0.00	0.07	0.02	0.05	0.00	0.15	0.16	0.09	0.39	0.37	0.11	0.43	0.01	0.00	0.11	0.04	0.07	0.45	0.38	0.71	0.65	0.23	0.53	0.71	0.52	0.73	0.63	0.63	0.67	0.46	0.73	0.76	0.70	0.72	0.70	0.70	0.71	0.72	0.74	0.74	0.66	1.00	1.00	1.00
8	23	9	0.12	0.67	0.00	0.05	0.00	0.01	0.00	0.11	0.18	0.11	0.46	0.30	0.13	0.36	0.01	0.00	0.09	0.05	0.09	0.61	0.49	0.67	0.60	0.46	0.70	0.82	0.69	0.87	0.78	0.76	0.80	0.57	0.90	0.89	0.86	0.84	0.85	0.83	0.83	0.81	0.83	0.85	0.70	1.00	1.00	1.00
8	23	10	0.13	0.57	0.00	0.03	0.00	0.00	0.00	0.09	0.19	0.12	0.46	0.25	0.14	0.33	0.01	0.00	0.08	0.07	0.11	0.67	0.53	0.57	0.48	0.63	0.80	0.91	0.79	0.93	0.86	0.84	0.86	0.63	0.98	0.96	0.92	0.91	0.91	0.88	0.90	0.86	0.87	0.91	0.87	1.00	1.00	1.00
8	23	11	0.10	0.38	0.00	0.02	0.00	0.00	0.00	0.11	0.16	0.10	0.51	0.14	0.11	0.21	0.02	0.01	0.08	0.08	0.15	0.67	0.57	0.38	0.28	0.73	0.85	0.88	0.84	0.96	0.89	0.87	0.88	0.67	0.99	0.97	0.94	0.92	0.92	0.91	0.91	0.84	0.83	0.92	0.69	1.00	1.00	1.00
8	23	12	0.13	0.27	0.00	0.01	0.00	0.00	0.00	0.16	0.19	0.12	0.51	0.11	0.14	0.18	0.02	0.01	0.07	0.11	0.28	0.66	0.71	0.27	0.16	0.78	0.88	0.87	0.86	0.96	0.89	0.86	0.88	0.76	0.97	0.96	0.94	0.93	0.92	0.91	0.92	0.81	0.85	0.89	0.65	1.00	1.00	1.00
8	23	13	0.19	0.21	0.00	0.00	0.00	0.00	0.00	0.25	0.24	0.18	0.48	0.16	0.20	0.24	0.03	0.02	0.08	0.12	0.20	0.65	0.73	0.21	0.11	0.81	0.89	0.85	0.88	0.93	0.87	0.84	0.89	0.92	0.96	0.96	0.94	0.93	0.92	0.94	0.92	0.74	0.83	0.87	0.69	1.00	1.00	1.00
8	23	14	0.31	0.23	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.30	0.50	0.22	0.32	0.29	0.03	0.02	0.11	0.18	0.25	0.63	0.76	0.23	0.12	0.78	0.88	0.81	0.86	0.93	0.85	0.84	0.88	0.96	0.96	0.95	0.94	0.91	0.89	0.93	0.90	0.69	0.74	0.86	0.67	1.00	1.00	1.00
8	23	15	0.37	0.22	0.00	0.01	0.02	0.02	0.00	0.43	0.42	0.36	0.55	0.34	0.38	0.40	0.03	0.02	0.16	0.21	0.26	0.61	0.77	0.22	0.12	0.71	0.84	0.74	0.82	0.89	0.83	0.81	0.87	0.94	0.95	0.93	0.91	0.88	0.87	0.89	0.87	0.55	0.80	0.78	0.54	1.00	1.00	1.00
8	23	16	0.48	0.38	0.00	0.01	0.12	0.08	0.00	0.49	0.53	0.48	0.58	0.44	0.49	0.50	0.04	0.02	0.23	0.25	0.14	0.58	0.78	0.38	0.27	0.57	0.74	0.62	0.73	0.85	0.77	0.76	0.81	0.87	0.88	0.86	0.82	0.79	0.80	0.81	0.79	0.40	0.75	0.68	0.39	1.00	1.00	1.00
8	23	17	0.59	0.50	0.00	0.02	0.35	0.25	0.00	0.54	0.63	0.59	0.59	0.51	0.60	0.56	0.04	0.02	0.29	0.29	0.13	0.52	0.76	0.50	0.40	0.35	0.57	0.48	0.56	0.75	0.65	0.64	0.67	0.71	0.71	0.70	0.66	0.63	0.62	0.65	0.63	0.37	0.65	0.48	0.20	1.00	1.00	1.00
8	23	18	0.65	0.45	0.00	0.06	0.58	0.32	0.00	0.57	0.68	0.65	0.60	0.59	0.65	0.63	0.05	0.03	0.33	0.30	0.08	0.48	0.64	0.45	0.36	0.09	0.27	0.22	0.26	0.50	0.39	0.40	0.39	0.40	0.38	0.38	0.29	0.29	0.27	0.25	0.29	0.20	0.32	0.20	0.02	1.00	1.00	1.00
8	23	19	0.62	0.51	0.00	0.16	0.78	0.72	0.00	0.57	0.65	0.61	0.62	0.62	0.62	0.66	0.09	0.07	0.35	0.29	0.16	0.50	0.64	0.51	0.42	0.00	0.04	0.03	0.04	0.18	0.11	0.10	0.07	0.08	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.00	0.00	1.00	1.00	1.00
8	23	20	0.61	0.62	0.03	0.26	0.85	0.84	0.00	0.56	0.64	0.60	0.58	0.54	0.61	0.58	0.09	0.07	0.36	0.17	0.18	0.59	0.71	0.62	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	21	0.54	0.57	0.06	0.22	0.85	0.84	0.00	0.51	0.58	0.53	0.54	0.48	0.54	0.54	0.06	0.04	0.34	0.14	0.20	0.55	0.72	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	22	0.37	0.51	0.08	0.19	0.84	0.72	0.00	0.41	0.41	0.36	0.47	0.42	0.37	0.48	0.08	0.06	0.36	0.09	0.23	0.55	0.76	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	23	0.25	0.57	0.09	0.20	0.82	0.55	0.00	0.30	0.30	0.24	0.38	0.39	0.26	0.45	0.06	0.05	0.33	0.04	0.23	0.47	0.75	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	23	24	0.14	0.66	0.08	0.24	0.80	0.44	0.00	0.21	0.20	0.13	0.29	0.38	0.15	0.44	0.05	0.03	0.25	0.02	0.20	0.41	0.71	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	1	0.07	0.68	0.04	0.25	0.79	0.53	0.00	0.16	0.12	0.06	0.25	0.36	0.08	0.43	0.04	0.03	0.21	0.02	0.18	0.38	0.70	0.68	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	2	0.01	0.51	0.00	0.23	0.74	0.33	0.00	0.10	0.07	0.00	0.17	0.34	0.02	0.40	0.03	0.02	0.16	0.02	0.17	0.30	0.52	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	3	0.00	0.36	0.00	0.23	0.69	0.27	0.00	0.05	0.05	0.00	0.10	0.33	0.00	0.40	0.03	0.01	0.12	0.06	0.12	0.19	0.28	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	4	0.00	0.35	0.00	0.21	0.65	0.22	0.00	0.00	0.06	0.00	0.07	0.30	0.01	0.37	0.02	0.01	0.09	0.07	0.11	0.15	0.29	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	5	0.00	0.39	0.00	0.21	0.60	0.13	0.00	0.00	0.04	0.00	0.05	0.26	0.00	0.33	0.02	0.01	0.04	0.07	0.12	0.09	0.23	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	24	6	0.00	0.41	0.00	0.19	0.53	0.13	0.00	0.00	0.04	0.00	0.02	0.24	0.00	0.32	0.03	0.02	0.01	0.03	0.14	0.06	0.13	0.41	0.31	0.00	0.04	0.20	0.04	0.04	0.01	0.01	0.04	0.00	0.03	0.09	0.18	0.13	0.05	0.04	0.13	0.28	0.22	0.17	0.25	1.00	1.00	1.00
8	24	7	0.00	0.45	0.00	0.12	0.42	0.09	0.00	0.00	0.02	0.00	0.00	0.10	0.00	0.17	0.03	0.02	0.00	0.01	0.15	0.05	0.05	0.45	0.36	0.02	0.28	0.48	0.27	0.44	0.27	0.32	0.40	0.26	0.47	0.51	0.54	0.50	0.42	0.41	0.50	0.55	0.55	0.50	0.43	1.00	1.00	1.00
8	24	8	0.00	0.57	0.00	0.06	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.02	0.01	0.00	0.01	0.22	0.04	0.09	0.57	0.49	0.24	0.53	0.70	0.52	0.70	0.61	0.61	0.67	0.43	0.76	0.75	0.76	0.72	0.71	0.70	0.72	0.74	0.73	0.71	0.67	1.00	1.00	1.00
8	24	9	0.00	0.77	0.00	0.05	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.01	0.00	0.00	0.26	0.03	0.10	0.78	0.70	0.46	0.70	0.83	0.69	0.83	0.78	0.75	0.80	0.59	0.91	0.87	0.86	0.84	0.86	0.84	0.84	0.83	0.82	0.83	0.77	1.00	1.00	1.00
8	24	10	0.00	0.49	0.00	0.05	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.03	0.02	0.00	0.00	0.23	0.07	0.08	0.49	0.40	0.63	0.80	0.87	0.79	0.90	0.86	0.84	0.87	0.69	0.96	0.93	0.92	0.92	0.91	0.90	0.91	0.84	0.87	0.88	0.74	1.00	1.00	1.00
8	24	11	0.00	0.25	0.00	0.05	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.04	0.02	0.00	0.00	0.23	0.10	0.10	0.25	0.14	0.74	0.86	0.89	0.85	0.93	0.89	0.86	0.89	0.82	0.96	0.95	0.93	0.95	0.94	0.91	0.94	0.82	0.88	0.89	0.74	1.00	1.00	1.00
8	24	12	0.00	0.15	0.00	0.05	0.04	0.02	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.08	0.04	0.02	0.00	0.00	0.23	0.14	0.13	0.15	0.05	0.80	0.89	0.88	0.88	0.92	0.88	0.86	0.90	0.97	1.00	0.95	0.92	0.92	0.93	0.94	0.91	0.82	0.87	0.81	0.79	1.00	1.00	1.00
8	24	13	0.00	0.12	0.00	0.04	0.10	0.02	0.00	0.00	0.00	0.00	0.07	0.02	0.00	0.09	0.04	0.03	0.00	0.00	0.21	0.19	0.17	0.12	0.04	0.81	0.89	0.83	0.87	0.91	0.86	0.84	0.88	0.97	0.99	0.94	0.90	0.91	0.92	0.92	0.90	0.81	0.86	0.73	0.60	1.00	1.00	1.00
8	24	14	0.00	0.26	0.00	0.05	0.19	0.03	0.00	0.05	0.01	0.00	0.16	0.04	0.00	0.11	0.04	0.03	0.00	0.00	0.17	0.23	0.19	0.26	0.15	0.77	0.87	0.78	0.85	0.90	0.84	0.82	0.87	0.97	0.96	0.93	0.91	0.89	0.87	0.91	0.88	0.82	0.86	0.71	0.39	1.00	1.00	1.00
8	24	15	0.00	0.26	0.00	0.06	0.27	0.05	0.00	0.15	0.05	0.00	0.35	0.08	0.00	0.14	0.04	0.03	0.01	0.00	0.15	0.25	0.19	0.26	0.15	0.70	0.82	0.73	0.81	0.88	0.81	0.80	0.86	0.94	0.95	0.91	0.89	0.86	0.85	0.86	0.85	0.81	0.84	0.60	0.36	1.00	1.00	1.00
8	24	16	0.04	0.15	0.00	0.08	0.36	0.08	0.00	0.25	0.09	0.03	0.51	0.28	0.04	0.35	0.04	0.03	0.01	0.00	0.14	0.25	0.25	0.15	0.05	0.55	0.72	0.65	0.71	0.83	0.76	0.75	0.77	0.86	0.87	0.84	0.82	0.78	0.78	0.71	0.77	0.78	0.79	0.48	0.30	1.00	1.00	1.00
8	24	17	0.11	0.16	0.00	0.11	0.48	0.14	0.00	0.31	0.17	0.10	0.56	0.53	0.12	0.59	0.05	0.03	0.01	0.00	0.10	0.23	0.24	0.16	0.06	0.34	0.55	0.50	0.54	0.73	0.64	0.61	0.63	0.69	0.71	0.69	0.66	0.63	0.63	0.55	0.63	0.66	0.67	0.30	0.16	1.00	1.00	1.00
8	24	18	0.18	0.26	0.00	0.16	0.64	0.29	0.00	0.31	0.23	0.17	0.60	0.63	0.18	0.68	0.07	0.05	0.02	0.02	0.07	0.26	0.21	0.26	0.15	0.08	0.24	0.20	0.24	0.49	0.41	0.36	0.33	0.38	0.38	0.32	0.27	0.24	0.13	0.22	0.24	0.14	0.35	0.10	0.02	1.00	1.00	1.00
8	24	19	0.38	0.31	0.02	0.35	0.80	0.68	0.00	0.28	0.43	0.37	0.69	0.72	0.39	0.75	0.12	0.10	0.04	0.12	0.09	0.33	0.27	0.31	0.21	0.00	0.03	0.03	0.03	0.17	0.12	0.07	0.05	0.06	0.04	0.02	0.01	0.01	0.00	0.01	0.01	0.04	0.04	0.00	0.00	1.00	1.00	1.00
8	24	20	0.40	0.57	0.17	0.50	0.86	0.86	0.00	0.25	0.45	0.40	0.69	0.74	0.41	0.77	0.14	0.12	0.03	0.07	0.14	0.48	0.36	0.57	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	21	0.38	0.41	0.38	0.41	0.87	0.79	0.00	0.21	0.43	0.37	0.61	0.60	0.38	0.65	0.13	0.11	0.03	0.05	0.18	0.59	0.50	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	22	0.31	0.29	0.50	0.38	0.86	0.80	0.00	0.19	0.36	0.30	0.51	0.42	0.32	0.48	0.12	0.10	0.03	0.10	0.22	0.64	0.75	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	23	0.23	0.21	0.53	0.36	0.84	0.72	0.00	0.19	0.28	0.22	0.41	0.30	0.24	0.37	0.12	0.10	0.04	0.12	0.26	0.68	0.84	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	24	24	0.16	0.14	0.54	0.39	0.81	0.59	0.00	0.19	0.22	0.15	0.36	0.24	0.17	0.31	0.16	0.13	0.05	0.13	0.30	0.70	0.91	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	1	0.06	0.12	0.54	0.37	0.78	0.62	0.00	0.15	0.12	0.05	0.33	0.27	0.07	0.34	0.22	0.19	0.08	0.15	0.28	0.58	0.83	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	2	0.02	0.12	0.58	0.30	0.75	0.53	0.00	0.10	0.07	0.01	0.32	0.27	0.03	0.34	0.30	0.28	0.08	0.15	0.24	0.55	0.65	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	3	0.03	0.12	0.62	0.21	0.74	0.45	0.00	0.06	0.09	0.02	0.28	0.27	0.04	0.35	0.33	0.31	0.05	0.21	0.22	0.56	0.60	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	4	0.03	0.08	0.63	0.17	0.73	0.42	0.00	0.04	0.09	0.03	0.25	0.20	0.04	0.27	0.35	0.33	0.04	0.26	0.17	0.44	0.45	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	5	0.06	0.07	0.60	0.14	0.73	0.36	0.00	0.00	0.12	0.05	0.25	0.16	0.07	0.23	0.33	0.31	0.06	0.35	0.13	0.39	0.48	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	25	6	0.05	0.10	0.58	0.11	0.72	0.39	0.00	0.00	0.11	0.04	0.29	0.18	0.06	0.26	0.34	0.32	0.10	0.56	0.08	0.39	0.44	0.10	0.01	0.00	0.03	0.15	0.03	0.03	0.01	0.01	0.02	0.01	0.02	0.07	0.15	0.06	0.04	0.01	0.05	0.27	0.17	0.05	0.18	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
8	25	7	0.04	0.05	0.58	0.07	0.63	0.24	0.00	0.00	0.10	0.04	0.23	0.11	0.05	0.19	0.32	0.29	0.13	0.55	0.04	0.33	0.28	0.05	0.00	0.02	0.26	0.41	0.25	0.42	0.24	0.31	0.38	0.37	0.37	0.45	0.53	0.40	0.41	0.29	0.40	0.57	0.49	0.19	0.42	1.00	1.00	1.00
8	25	8	0.08	0.05	0.58	0.03	0.48	0.04	0.00	0.00	0.14	0.07	0.18	0.05	0.09	0.11	0.21	0.19	0.12	0.75	0.03	0.26	0.19	0.05	0.00	0.23	0.50	0.63	0.49	0.70	0.53	0.61	0.65	0.68	0.71	0.73	0.73	0.69	0.50	0.47	0.69	0.72	0.69	0.37	0.68	1.00	1.00	1.00
8	25	9	0.15	0.04	0.60	0.03	0.34	0.08	0.00	0.00	0.21	0.14	0.11	0.01	0.16	0.08	0.18	0.16	0.10	0.83	0.06	0.27	0.08	0.04	0.00	0.46	0.69	0.74	0.67	0.85	0.76	0.76	0.79	0.87	0.87	0.88	0.86	0.82	0.58	0.73	0.81	0.81	0.80	0.42	0.81	1.00	1.00	1.00
8	25	10	0.14	0.07	0.70	0.04	0.27	0.04	0.00	0.02	0.20	0.13	0.07	0.01	0.15	0.08	0.19	0.17	0.11	0.73	0.14	0.33	0.06	0.07	0.00	0.63	0.80	0.78	0.79	0.92	0.86	0.84	0.86	0.96	0.96	0.94	0.91	0.82	0.81	0.80	0.81	0.82	0.86	0.38	0.81	1.00	1.00	1.00
8	25	11	0.15	0.10	0.80	0.07	0.22	0.04	0.00	0.11	0.21	0.14	0.03	0.00	0.16	0.07	0.23	0.20	0.11	0.50	0.23	0.31	0.30	0.10	0.01	0.72	0.84	0.81	0.82	0.94	0.90	0.87	0.87	0.99	0.94	0.94	0.94	0.81	0.75	0.80	0.81	0.81	0.87	0.40	0.86	1.00	1.00	1.00
8	25	12	0.25	0.14	0.85	0.10	0.22	0.05	0.00	0.18	0.31	0.24	0.03	0.00	0.26	0.06	0.29	0.26	0.12	0.39	0.28	0.29	0.55	0.14	0.04	0.76	0.85	0.80	0.84	0.93	0.90	0.87	0.88	0.95	0.88	0.84	0.95	0.94	0.83	0.76	0.93	0.83	0.86	0.38	0.79	1.00	1.00	1.00
8	25	13	0.29	0.19	0.87	0.14	0.26	0.05	0.00	0.27	0.34	0.28	0.03	0.02	0.30	0.08	0.34	0.32	0.16	0.37	0.36	0.29	0.32	0.19	0.09	0.75	0.83	0.74	0.81	0.91	0.88	0.85	0.84	0.96	0.76	0.87	0.89	0.93	0.77	0.65	0.92	0.75	0.79	0.38	0.69	1.00	1.00	1.00
8	25	14	0.35	0.34	0.88	0.19	0.32	0.03	0.00	0.33	0.40	0.34	0.04	0.01	0.36	0.08	0.39	0.37	0.23	0.38	0.45	0.30	0.30	0.34	0.23	0.70	0.79	0.71	0.77	0.91	0.86	0.83	0.84	0.82	0.60	0.77	0.86	0.84	0.88	0.78	0.83	0.68	0.77	0.56	0.45	1.00	1.00	1.00
8	25	15	0.33	0.45	0.90	0.25	0.45	0.06	0.00	0.30	0.38	0.32	0.06	0.02	0.34	0.09	0.50	0.48	0.34	0.70	0.49	0.27	0.07	0.45	0.34	0.61	0.72	0.65	0.71	0.89	0.84	0.81	0.77	0.63	0.46	0.69	0.85	0.86	0.88	0.76	0.85	0.68	0.70	0.56	0.31	1.00	1.00	1.00
8	25	16	0.17	0.43	0.92	0.33	0.61	0.10	0.00	0.32	0.21	0.16	0.13	0.05	0.18	0.12	0.60	0.58	0.40	0.65	0.48	0.25	0.17	0.43	0.32	0.49	0.64	0.59	0.62	0.83	0.78	0.75	0.72	0.63	0.42	0.67	0.67	0.81	0.81	0.62	0.80	0.65	0.62	0.54	0.26	1.00	1.00	1.00
8	25	17	0.45	0.29	0.91	0.41	0.74	0.19	0.03	0.39	0.50	0.44	0.25	0.05	0.46	0.11	0.67	0.65	0.36	0.57	0.34	0.39	0.61	0.29	0.19	0.32	0.51	0.46	0.50	0.72	0.64	0.63	0.56	0.54	0.52	0.58	0.64	0.66	0.66	0.51	0.66	0.58	0.52	0.37	0.16	1.00	1.00	1.00
8	25	18	0.57	0.32	0.89	0.46	0.82	0.39	0.07	0.44	0.60	0.56	0.38	0.20	0.57	0.27	0.66	0.65	0.24	0.86	0.23	0.74	0.62	0.32	0.21	0.07	0.21	0.19	0.20	0.45	0.36	0.33	0.31	0.23	0.26	0.34	0.24	0.26	0.09	0.17	0.25	0.19	0.26	0.16	0.02	1.00	1.00	1.00
8	25	19	0.73	0.32	0.87	0.54	0.87	0.86	0.11	0.46	0.76	0.73	0.44	0.37	0.74	0.44	0.66	0.65	0.15	0.93	0.15	0.54	0.43	0.32	0.22	0.00	0.02	0.02	0.02	0.15	0.08	0.05	0.04	0.03	0.02	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.02	0.00	0.00	1.00	1.00	1.00
8	25	20	0.82	0.46	0.87	0.51	0.88	0.87	0.09	0.48	0.84	0.82	0.38	0.35	0.82	0.41	0.61	0.60	0.11	0.95	0.09	0.39	0.33	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	21	0.64	0.52	0.86	0.44	0.87	0.84	0.11	0.46	0.67	0.64	0.34	0.28	0.65	0.34	0.52	0.50	0.06	0.90	0.09	0.40	0.23	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	22	0.48	0.57	0.81	0.42	0.87	0.79	0.16	0.38	0.52	0.47	0.31	0.22	0.48	0.30	0.43	0.41	0.05	0.57	0.12	0.46	0.39	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	23	0.41	0.59	0.78	0.44	0.85	0.74	0.14	0.28	0.46	0.40	0.28	0.14	0.42	0.22	0.35	0.33	0.12	0.48	0.19	0.45	0.47	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	25	24	0.31	0.56	0.76	0.45	0.81	0.54	0.09	0.24	0.36	0.30	0.21	0.09	0.32	0.16	0.33	0.30	0.21	0.55	0.29	0.39	0.42	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	1	0.29	0.51	0.78	0.41	0.76	0.68	0.07	0.24	0.34	0.28	0.06	0.00	0.30	0.06	0.36	0.34	0.20	0.72	0.44	0.27	0.24	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	2	0.23	0.43	0.82	0.32	0.73	0.62	0.08	0.22	0.28	0.22	0.03	0.00	0.24	0.04	0.40	0.37	0.20	0.76	0.63	0.19	0.18	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	3	0.13	0.39	0.82	0.24	0.71	0.57	0.08	0.19	0.19	0.12	0.03	0.00	0.14	0.07	0.41	0.39	0.15	0.83	0.66	0.21	0.13	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	4	0.13	0.31	0.78	0.20	0.68	0.56	0.08	0.20	0.19	0.12	0.03	0.02	0.14	0.09	0.42	0.40	0.17	0.86	0.50	0.17	0.05	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	5	0.16	0.26	0.70	0.18	0.66	0.49	0.09	0.22	0.22	0.15	0.01	0.03	0.17	0.10	0.43	0.41	0.18	0.88	0.39	0.08	0.00	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	26	6	0.17	0.25	0.61	0.14	0.59	0.39	0.07	0.22	0.23	0.16	0.00	0.06	0.18	0.14	0.46	0.44	0.28	0.86	0.43	0.02	0.00	0.25	0.13	0.00	0.02	0.16	0.02	0.04	0.01	0.01	0.00	0.00	0.00	0.02	0.12	0.08	0.06	0.03	0.08	0.23	0.14	0.09	0.37	1.00	1.00	1.00
8	26	7	0.23	0.16	0.60	0.09	0.48	0.24	0.04	0.19	0.28	0.22	0.01	0.00	0.24	0.04	0.42	0.40	0.19	0.81	0.44	0.00	0.00	0.16	0.07	0.02	0.20	0.44	0.20	0.44	0.26	0.31	0.12	0.11	0.11	0.26	0.53	0.37	0.38	0.33	0.36	0.54	0.47	0.30	0.70	1.00	1.00	1.00
8	26	8	0.30	0.18	0.61	0.05	0.33	0.07	0.00	0.06	0.36	0.29	0.08	0.00	0.31	0.02	0.35	0.33	0.11	0.86	0.59	0.00	0.00	0.18	0.07	0.19	0.41	0.65	0.40	0.72	0.56	0.50	0.29	0.29	0.45	0.51	0.72	0.57	0.57	0.49	0.56	0.69	0.65	0.50	0.87	1.00	1.00	1.00
8	26	9	0.36	0.17	0.69	0.07	0.20	0.01	0.00	0.02	0.41	0.35	0.16	0.00	0.37	0.03	0.31	0.29	0.07	0.86	0.57	0.00	0.00	0.17	0.07	0.37	0.55	0.81	0.54	0.85	0.70	0.74	0.40	0.39	0.52	0.63	0.82	0.66	0.64	0.59	0.65	0.77	0.77	0.73	0.93	1.00	1.00	1.00
8	26	10	0.34	0.17	0.83	0.10	0.09	0.03	0.01	0.02	0.39	0.33	0.13	0.00	0.35	0.01	0.25	0.23	0.10	0.70	0.49	0.03	0.01	0.17	0.07	0.50	0.64	0.81	0.63	0.92	0.86	0.81	0.58	0.40	0.84	0.54	0.74	0.57	0.69	0.75	0.56	0.81	0.74	0.72	0.93	1.00	1.00	1.00
8	26	11	0.31	0.19	0.89	0.15	0.02	0.03	0.01	0.06	0.36	0.30	0.17	0.00	0.32	0.02	0.22	0.20	0.11	0.51	0.35	0.06	0.09	0.19	0.09	0.55	0.64	0.77	0.63	0.94	0.90	0.83	0.52	0.33	0.77	0.56	0.52	0.55	0.76	0.79	0.55	0.81	0.65	0.71	0.80	1.00	1.00	1.00
8	26	12	0.31	0.22	0.86	0.22	0.00	0.00	0.02	0.17	0.36	0.30	0.09	0.00	0.32	0.03	0.26	0.24	0.12	0.46	0.41	0.12	0.15	0.22	0.12	0.55	0.61	0.73	0.60	0.94	0.88	0.87	0.54	0.37	0.66	0.49	0.25	0.57	0.59	0.80	0.57	0.62	0.58	0.76	0.76	1.00	1.00	1.00
8	26	13	0.50	0.22	0.82	0.28	0.01	0.00	0.02	0.35	0.55	0.49	0.07	0.00	0.51	0.03	0.29	0.26	0.14	0.65	0.34	0.21	0.09	0.22	0.12	0.57	0.63	0.76	0.62	0.93	0.88	0.86	0.65	0.43	0.58	0.54	0.52	0.54	0.42	0.78	0.53	0.66	0.50	0.80	0.74	1.00	1.00	1.00
8	26	14	0.45	0.26	0.80	0.30	0.07	0.00	0.02	0.38	0.50	0.44	0.17	0.00	0.46	0.04	0.30	0.28	0.16	0.77	0.21	0.25	0.06	0.26	0.15	0.58	0.65	0.65	0.64	0.92	0.86	0.84	0.66	0.50	0.66	0.57	0.65	0.49	0.49	0.76	0.49	0.38	0.42	0.73	0.70	1.00	1.00	1.00
8	26	15	0.19	0.30	0.86	0.30	0.18	0.01	0.03	0.48	0.24	0.18	0.36	0.00	0.20	0.06	0.31	0.29	0.16	0.58	0.44	0.31	0.14	0.30	0.19	0.48	0.57	0.57	0.56	0.91	0.82	0.82	0.58	0.46	0.24	0.61	0.44	0.48	0.54	0.72	0.48	0.25	0.35	0.72	0.68	1.00	1.00	1.00
8	26	16	0.43	0.34	0.91	0.31	0.29	0.03	0.05	0.69	0.48	0.42	0.47	0.02	0.44	0.08	0.32	0.29	0.18	0.52	0.51	0.36	0.16	0.34	0.23	0.40	0.52	0.47	0.51	0.86	0.77	0.76	0.58	0.25	0.37	0.65	0.44	0.48	0.64	0.54	0.47	0.13	0.28	0.74	0.50	1.00	1.00	1.00
8	26	17	0.54	0.37	0.87	0.32	0.44	0.35	0.07	0.78	0.58	0.53	0.52	0.08	0.55	0.15	0.32	0.29	0.18	0.53	0.56	0.25	0.02	0.37	0.26	0.25	0.40	0.32	0.39	0.76	0.66	0.63	0.47	0.19	0.33	0.53	0.34	0.34	0.49	0.40	0.34	0.06	0.19	0.56	0.29	1.00	1.00	1.00
8	26	18	0.47	0.40	0.82	0.35	0.59	0.49	0.11	0.80	0.51	0.46	0.52	0.26	0.48	0.34	0.34	0.32	0.18	0.42	0.52	0.15	0.04	0.40	0.30	0.07	0.18	0.15	0.18	0.51	0.40	0.33	0.23	0.19	0.26	0.24	0.15	0.15	0.05	0.10	0.15	0.02	0.13	0.27	0.04	1.00	1.00	1.00
8	26	19	0.36	0.45	0.75	0.46	0.74	0.83	0.15	0.77	0.40	0.35	0.49	0.34	0.37	0.41	0.40	0.38	0.18	0.06	0.51	0.23	0.46	0.44	0.35	0.00	0.02	0.01	0.02	0.17	0.09	0.05	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
8	26	20	0.48	0.57	0.61	0.50	0.79	0.87	0.15	0.65	0.52	0.47	0.42	0.36	0.49	0.42	0.42	0.40	0.19	0.16	0.62	0.16	0.40	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	21	0.69	0.58	0.42	0.42	0.77	0.80	0.15	0.54	0.73	0.69	0.34	0.38	0.70	0.45	0.39	0.37	0.23	0.63	0.71	0.02	0.43	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	22	0.59	0.59	0.30	0.41	0.73	0.78	0.13	0.47	0.63	0.59	0.26	0.43	0.60	0.49	0.38	0.36	0.54	0.80	0.55	0.00	0.45	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	23	0.50	0.54	0.28	0.40	0.69	0.72	0.13	0.38	0.54	0.50	0.19	0.43	0.51	0.49	0.31	0.29	0.73	0.58	0.46	0.01	0.35	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	26	24	0.52	0.49	0.23	0.38	0.60	0.63	0.11	0.31	0.57	0.52	0.14	0.42	0.53	0.48	0.20	0.17	0.78	0.48	0.59	0.01	0.31	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	1	0.39	0.37	0.17	0.27	0.52	0.58	0.10	0.24	0.43	0.38	0.19	0.45	0.39	0.51	0.10	0.08	0.70	0.43	0.61	0.03	0.29	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	2	0.21	0.27	0.13	0.19	0.45	0.50	0.08	0.16	0.27	0.20	0.20	0.47	0.22	0.53	0.06	0.04	0.64	0.42	0.64	0.03	0.25	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	3	0.23	0.15	0.07	0.12	0.39	0.45	0.05	0.10	0.29	0.22	0.18	0.49	0.24	0.55	0.04	0.03	0.59	0.52	0.74	0.01	0.26	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	4	0.26	0.10	0.05	0.09	0.30	0.40	0.03	0.06	0.32	0.25	0.15	0.48	0.27	0.54	0.03	0.02	0.51	0.51	0.77	0.00	0.26	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	5	0.17	0.06	0.03	0.06	0.19	0.32	0.02	0.04	0.22	0.16	0.10	0.44	0.18	0.50	0.03	0.02	0.40	0.45	0.66	0.03	0.19	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	27	6	0.15	0.03	0.00	0.04	0.11	0.33	0.00	0.02	0.20	0.14	0.08	0.41	0.16	0.48	0.02	0.01	0.36	0.50	0.61	0.03	0.16	0.03	0.00	0.00	0.02	0.16	0.02	0.04	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.07	0.04	0.05	0.09	0.12	0.16	0.38	1.00	1.00	1.00
8	27	7	0.10	0.02	0.00	0.03	0.02	0.22	0.00	0.00	0.16	0.09	0.03	0.33	0.11	0.40	0.01	0.01	0.23	0.42	0.53	0.00	0.06	0.02	0.00	0.02	0.24	0.43	0.24	0.43	0.28	0.31	0.35	0.36	0.43	0.43	0.18	0.34	0.42	0.45	0.34	0.17	0.46	0.49	0.70	1.00	1.00	1.00
8	27	8	0.11	0.05	0.00	0.01	0.00	0.04	0.00	0.00	0.16	0.10	0.00	0.18	0.12	0.26	0.01	0.00	0.15	0.58	0.57	0.00	0.03	0.05	0.00	0.24	0.52	0.63	0.51	0.71	0.60	0.59	0.61	0.68	0.73	0.70	0.67	0.66	0.67	0.69	0.66	0.29	0.68	0.71	0.88	1.00	1.00	1.00
8	27	9	0.11	0.07	0.00	0.01	0.00	0.03	0.00	0.00	0.17	0.10	0.00	0.06	0.12	0.12	0.01	0.00	0.10	0.57	0.60	0.00	0.02	0.07	0.00	0.47	0.70	0.76	0.68	0.85	0.78	0.74	0.75	0.85	0.84	0.85	0.85	0.73	0.85	0.81	0.73	0.53	0.78	0.73	0.95	1.00	1.00	1.00
8	27	10	0.07	0.08	0.00	0.01	0.00	0.02	0.00	0.00	0.13	0.06	0.00	0.00	0.08	0.05	0.01	0.00	0.08	0.42	0.44	0.00	0.02	0.08	0.00	0.64	0.81	0.87	0.79	0.91	0.86	0.83	0.83	0.93	0.96	0.87	0.88	0.88	0.89	0.91	0.87	0.75	0.84	0.74	1.00	1.00	1.00	1.00
8	27	11	0.01	0.11	0.00	0.01	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.07	0.26	0.32	0.01	0.03	0.11	0.02	0.74	0.87	0.88	0.85	0.95	0.89	0.86	0.81	0.94	0.96	0.94	0.94	0.92	0.90	0.95	0.91	0.87	0.80	0.69	0.97	1.00	1.00	1.00
8	27	12	0.00	0.12	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.03	0.02	0.01	0.07	0.14	0.28	0.02	0.05	0.12	0.02	0.77	0.86	0.86	0.85	0.95	0.89	0.86	0.83	0.97	0.94	0.90	0.79	0.87	0.88	0.94	0.87	0.82	0.72	0.68	0.92	1.00	1.00	1.00
8	27	13	0.03	0.08	0.00	0.04	0.00	0.00	0.00	0.01	0.08	0.02	0.07	0.00	0.04	0.05	0.02	0.01	0.08	0.06	0.36	0.03	0.08	0.08	0.01	0.73	0.81	0.86	0.79	0.95	0.86	0.85	0.73	0.96	0.74	0.87	0.58	0.85	0.87	0.89	0.84	0.80	0.69	0.75	0.94	1.00	1.00	1.00
8	27	14	0.20	0.10	0.00	0.06	0.00	0.01	0.00	0.06	0.27	0.20	0.16	0.02	0.21	0.08	0.03	0.02	0.12	0.16	0.20	0.04	0.10	0.10	0.01	0.70	0.78	0.80	0.77	0.94	0.84	0.83	0.70	0.90	0.72	0.77	0.62	0.84	0.87	0.90	0.83	0.69	0.68	0.72	0.84	1.00	1.00	1.00
8	27	15	0.12	0.13	0.00	0.08	0.00	0.02	0.00	0.14	0.18	0.11	0.30	0.06	0.13	0.14	0.04	0.02	0.16	0.61	0.07	0.06	0.08	0.13	0.03	0.66	0.78	0.69	0.77	0.91	0.82	0.81	0.66	0.92	0.85	0.89	0.74	0.86	0.82	0.86	0.85	0.57	0.57	0.67	0.65	1.00	1.00	1.00
8	27	16	0.15	0.13	0.02	0.08	0.00	0.04	0.00	0.22	0.20	0.14	0.43	0.16	0.16	0.23	0.04	0.03	0.18	0.70	0.07	0.07	0.05	0.13	0.04	0.52	0.68	0.62	0.66	0.85	0.76	0.75	0.61	0.87	0.84	0.74	0.51	0.79	0.75	0.78	0.78	0.56	0.52	0.55	0.61	1.00	1.00	1.00
8	27	17	0.50	0.17	0.08	0.09	0.00	0.07	0.00	0.29	0.55	0.49	0.52	0.31	0.51	0.38	0.06	0.04	0.20	0.78	0.09	0.03	0.04	0.17	0.07	0.33	0.52	0.45	0.51	0.74	0.63	0.63	0.55	0.70	0.70	0.66	0.34	0.64	0.59	0.62	0.64	0.32	0.51	0.40	0.38	1.00	1.00	1.00
8	27	18	0.47	0.26	0.10	0.12	0.03	0.16	0.02	0.36	0.51	0.46	0.53	0.35	0.48	0.42	0.07	0.05	0.23	0.83	0.11	0.04	0.04	0.26	0.15	0.08	0.22	0.18	0.22	0.47	0.40	0.36	0.34	0.37	0.39	0.31	0.15	0.17	0.17	0.12	0.17	0.07	0.27	0.19	0.04	1.00	1.00	1.00
8	27	19	0.52	0.33	0.10	0.24	0.17	0.74	0.02	0.42	0.56	0.51	0.49	0.37	0.53	0.44	0.11	0.09	0.26	0.73	0.15	0.13	0.06	0.33	0.22	0.00	0.03	0.01	0.03	0.14	0.09	0.06	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
8	27	20	0.48	0.28	0.08	0.23	0.36	0.87	0.01	0.31	0.52	0.47	0.41	0.36	0.49	0.42	0.12	0.10	0.26	0.56	0.15	0.13	0.11	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	21	0.43	0.23	0.04	0.20	0.47	0.76	0.00	0.19	0.47	0.42	0.29	0.45	0.43	0.51	0.13	0.11	0.22	0.39	0.09	0.11	0.17	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	22	0.25	0.34	0.02	0.13	0.51	0.77	0.01	0.10	0.30	0.24	0.28	0.54	0.26	0.60	0.13	0.11	0.23	0.42	0.16	0.13	0.17	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	23	0.21	0.36	0.00	0.11	0.52	0.69	0.01	0.05	0.27	0.20	0.19	0.53	0.22	0.58	0.09	0.07	0.36	0.33	0.27	0.08	0.17	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	27	24	0.20	0.31	0.00	0.13	0.47	0.55	0.00	0.04	0.26	0.19	0.12	0.54	0.21	0.59	0.07	0.05	0.47	0.26	0.28	0.03	0.10	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	1	0.17	0.26	0.00	0.14	0.41	0.46	0.00	0.00	0.23	0.16	0.12	0.54	0.18	0.59	0.06	0.04	0.48	0.29	0.40	0.01	0.03	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	2	0.12	0.24	0.00	0.09	0.35	0.39	0.00	0.00	0.18	0.11	0.13	0.50	0.13	0.55	0.04	0.03	0.36	0.31	0.48	0.00	0.00	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	3	0.06	0.30	0.00	0.07	0.26	0.34	0.00	0.00	0.12	0.06	0.13	0.49	0.07	0.54	0.03	0.02	0.29	0.32	0.54	0.00	0.00	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	4	0.03	0.29	0.00	0.04	0.14	0.35	0.00	0.00	0.08	0.02	0.12	0.47	0.04	0.53	0.03	0.01	0.24	0.27	0.59	0.00	0.00	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	5	0.03	0.26	0.00	0.05	0.03	0.39	0.00	0.00	0.09	0.02	0.07	0.45	0.04	0.51	0.03	0.01	0.18	0.19	0.58	0.00	0.00	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
8	28	6	0.00	0.25	0.00	0.06	0.00	0.35	0.00	0.00	0.04	0.00	0.08	0.36	0.00	0.43	0.02	0.01	0.15	0.12	0.51	0.00	0.00	0.25	0.14	0.00	0.03	0.17	0.03	0.03	0.01	0.01	0.02	0.02	0.02	0.08	0.16	0.12	0.07	0.04	0.12	0.23	0.14	0.17	0.36	1.00	1.00	1.00
8	28	7	0.00	0.14	0.00	0.05	0.00	0.25	0.00	0.00	0.01	0.00	0.05	0.16	0.00	0.23	0.02	0.01	0.09	0.05	0.41	0.00	0.00	0.14	0.05	0.02	0.29	0.49	0.28	0.42	0.32	0.31	0.38	0.35	0.45	0.51	0.53	0.49	0.48	0.46	0.49	0.54	0.44	0.53	0.65	1.00	1.00	1.00
8	28	8	0.00	0.13	0.00	0.03	0.00	0.07	0.00	0.00	0.01	0.00	0.02	0.01	0.00	0.07	0.02	0.01	0.05	0.03	0.37	0.00	0.00	0.13	0.03	0.24	0.54	0.70	0.53	0.70	0.61	0.61	0.63	0.67	0.74	0.75	0.73	0.72	0.71	0.70	0.71	0.69	0.61	0.73	0.82	1.00	1.00	1.00
8	28	9	0.00	0.10	0.00	0.02	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.04	0.02	0.28	0.00	0.00	0.10	0.02	0.48	0.72	0.82	0.70	0.84	0.76	0.76	0.79	0.84	0.89	0.88	0.87	0.83	0.81	0.84	0.82	0.79	0.66	0.83	0.94	1.00	1.00	1.00
8	28	10	0.00	0.09	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.04	0.01	0.20	0.00	0.00	0.09	0.01	0.65	0.82	0.87	0.80	0.91	0.84	0.82	0.85	0.93	0.97	0.94	0.91	0.90	0.89	0.91	0.89	0.78	0.71	0.89	0.97	1.00	1.00	1.00
8	28	11	0.00	0.11	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.04	0.00	0.13	0.00	0.00	0.11	0.02	0.73	0.85	0.83	0.84	0.93	0.86	0.85	0.82	0.96	0.99	0.97	0.82	0.91	0.88	0.92	0.90	0.72	0.63	0.89	0.84	1.00	1.00	1.00
8	28	12	0.00	0.12	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.03	0.01	0.10	0.00	0.00	0.12	0.03	0.77	0.86	0.78	0.84	0.93	0.86	0.84	0.81	0.97	0.98	0.96	0.75	0.89	0.87	0.88	0.88	0.54	0.65	0.88	0.74	1.00	1.00	1.00
8	28	13	0.01	0.15	0.00	0.01	0.00	0.05	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.03	0.02	0.03	0.16	0.10	0.00	0.00	0.15	0.05	0.76	0.83	0.74	0.82	0.91	0.85	0.83	0.80	0.96	0.97	0.92	0.61	0.85	0.85	0.88	0.84	0.46	0.64	0.82	0.74	1.00	1.00	1.00
8	28	14	0.12	0.19	0.00	0.02	0.00	0.10	0.00	0.00	0.18	0.11	0.02	0.00	0.13	0.02	0.03	0.02	0.03	0.39	0.16	0.06	0.00	0.19	0.08	0.70	0.79	0.66	0.77	0.91	0.83	0.80	0.79	0.93	0.91	0.92	0.56	0.87	0.83	0.65	0.86	0.38	0.60	0.80	0.55	1.00	1.00	1.00
8	28	15	0.21	0.17	0.00	0.02	0.00	0.14	0.00	0.00	0.28	0.20	0.06	0.00	0.22	0.03	0.04	0.02	0.04	0.85	0.20	0.12	0.00	0.17	0.07	0.60	0.71	0.54	0.69	0.89	0.80	0.74	0.82	0.92	0.76	0.89	0.10	0.84	0.82	0.67	0.84	0.30	0.57	0.75	0.31	1.00	1.00	1.00
8	28	16	0.12	0.15	0.00	0.03	0.00	0.17	0.02	0.04	0.18	0.11	0.12	0.00	0.13	0.06	0.04	0.03	0.05	0.88	0.21	0.01	0.00	0.15	0.05	0.51	0.67	0.50	0.65	0.83	0.72	0.67	0.77	0.82	0.83	0.73	0.72	0.77	0.67	0.56	0.76	0.29	0.50	0.71	0.32	1.00	1.00	1.00
8	28	17	0.11	0.17	0.00	0.04	0.00	0.16	0.04	0.13	0.16	0.10	0.23	0.00	0.11	0.06	0.05	0.03	0.07	0.59	0.17	0.00	0.00	0.17	0.07	0.33	0.52	0.41	0.51	0.72	0.59	0.61	0.66	0.67	0.69	0.65	0.56	0.62	0.56	0.50	0.61	0.28	0.38	0.55	0.19	1.00	1.00	1.00
8	28	18	0.18	0.24	0.00	0.08	0.04	0.17	0.10	0.28	0.24	0.17	0.29	0.00	0.19	0.04	0.07	0.05	0.09	0.17	0.23	0.05	0.02	0.24	0.13	0.07	0.19	0.19	0.18	0.46	0.27	0.37	0.32	0.34	0.39	0.34	0.01	0.13	0.02	0.07	0.13	0.09	0.22	0.25	0.02	1.00	1.00	1.00
8	28	19	0.21	0.33	0.01	0.21	0.23	0.26	0.17	0.45	0.27	0.20	0.29	0.07	0.22	0.13	0.10	0.08	0.10	0.13	0.21	0.14	0.02	0.33	0.22	0.00	0.02	0.01	0.02	0.14	0.04	0.06	0.03	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	1.00	1.00	1.00
8	28	20	0.21	0.42	0.04	0.29	0.45	0.44	0.22	0.49	0.27	0.20	0.28	0.20	0.22	0.28	0.13	0.11	0.10	0.04	0.17	0.12	0.05	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	21	0.23	0.46	0.05	0.28	0.59	0.53	0.24	0.40	0.29	0.22	0.20	0.20	0.24	0.28	0.13	0.11	0.06	0.00	0.16	0.05	0.05	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	22	0.15	0.51	0.05	0.22	0.63	0.56	0.26	0.22	0.20	0.14	0.14	0.22	0.16	0.30	0.11	0.09	0.03	0.00	0.18	0.05	0.06	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	23	0.07	0.46	0.02	0.16	0.60	0.41	0.25	0.08	0.13	0.07	0.09	0.22	0.08	0.30	0.09	0.07	0.02	0.00	0.23	0.07	0.06	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	28	24	0.04	0.39	0.00	0.17	0.59	0.31	0.24	0.05	0.10	0.03	0.07	0.19	0.05	0.26	0.09	0.07	0.02	0.00	0.25	0.06	0.04	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	1	0.00	0.35	0.00	0.15	0.59	0.35	0.23	0.04	0.04	0.00	0.07	0.14	0.00	0.21	0.08	0.06	0.02	0.01	0.27	0.03	0.02	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	2	0.00	0.25	0.00	0.09	0.56	0.46	0.23	0.02	0.00	0.00	0.09	0.15	0.00	0.22	0.07	0.06	0.02	0.01	0.23	0.05	0.01	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	3	0.00	0.24	0.00	0.07	0.48	0.45	0.20	0.00	0.00	0.00	0.13	0.12	0.00	0.19	0.06	0.05	0.02	0.01	0.20	0.03	0.00	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	4	0.00	0.26	0.00	0.06	0.38	0.24	0.17	0.00	0.00	0.00	0.16	0.05	0.00	0.12	0.07	0.05	0.01	0.01	0.19	0.03	0.00	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	5	0.00	0.23	0.00	0.06	0.29	0.11	0.14	0.00	0.00	0.00	0.22	0.04	0.00	0.11	0.08	0.06	0.01	0.01	0.19	0.06	0.00	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	29	6	0.00	0.20	0.00	0.08	0.20	0.09	0.13	0.00	0.00	0.00	0.17	0.03	0.00	0.11	0.07	0.06	0.01	0.01	0.15	0.08	0.00	0.20	0.09	0.00	0.03	0.14	0.03	0.03	0.01	0.01	0.03	0.02	0.02	0.07	0.16	0.11	0.07	0.03	0.11	0.20	0.15	0.18	0.22	1.00	1.00	1.00
8	29	7	0.00	0.17	0.00	0.07	0.09	0.09	0.10	0.00	0.00	0.00	0.11	0.01	0.00	0.08	0.08	0.06	0.01	0.00	0.12	0.06	0.00	0.17	0.07	0.02	0.28	0.41	0.27	0.40	0.30	0.31	0.39	0.32	0.44	0.50	0.52	0.49	0.44	0.44	0.49	0.50	0.50	0.51	0.44	1.00	1.00	1.00
8	29	8	0.00	0.21	0.00	0.02	0.01	0.05	0.07	0.00	0.00	0.00	0.02	0.02	0.00	0.09	0.07	0.05	0.01	0.00	0.10	0.03	0.00	0.21	0.10	0.24	0.52	0.67	0.51	0.63	0.60	0.59	0.66	0.60	0.73	0.74	0.72	0.71	0.66	0.69	0.71	0.73	0.71	0.71	0.69	1.00	1.00	1.00
8	29	9	0.00	0.22	0.00	0.02	0.00	0.03	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.06	0.04	0.01	0.00	0.08	0.00	0.00	0.22	0.12	0.47	0.70	0.79	0.68	0.76	0.75	0.73	0.80	0.83	0.88	0.86	0.84	0.82	0.79	0.82	0.82	0.82	0.80	0.83	0.71	1.00	1.00	1.00
8	29	10	0.00	0.25	0.00	0.05	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.07	0.05	0.01	0.00	0.07	0.00	0.00	0.25	0.15	0.62	0.79	0.80	0.77	0.73	0.82	0.80	0.86	0.92	0.95	0.89	0.88	0.88	0.82	0.89	0.88	0.81	0.81	0.86	0.80	1.00	1.00	1.00
8	29	11	0.00	0.30	0.00	0.05	0.00	0.06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.07	0.02	0.00	0.05	0.00	0.00	0.30	0.19	0.71	0.83	0.82	0.82	0.67	0.84	0.82	0.89	0.96	0.97	0.95	0.90	0.90	0.86	0.90	0.89	0.84	0.74	0.87	0.78	1.00	1.00	1.00
8	29	12	0.00	0.31	0.00	0.11	0.00	0.07	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.08	0.01	0.00	0.06	0.00	0.00	0.31	0.20	0.74	0.83	0.79	0.81	0.62	0.83	0.81	0.88	0.95	0.96	0.84	0.89	0.88	0.85	0.89	0.87	0.75	0.67	0.84	0.78	1.00	1.00	1.00
8	29	13	0.00	0.30	0.01	0.17	0.00	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.13	0.11	0.02	0.00	0.08	0.00	0.09	0.30	0.19	0.72	0.80	0.76	0.78	0.62	0.81	0.80	0.85	0.93	0.87	0.76	0.85	0.84	0.83	0.83	0.83	0.74	0.64	0.80	0.59	1.00	1.00	1.00
8	29	14	0.00	0.28	0.02	0.21	0.00	0.04	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.20	0.18	0.02	0.00	0.13	0.00	0.15	0.28	0.17	0.62	0.70	0.74	0.68	0.56	0.79	0.78	0.84	0.75	0.83	0.60	0.54	0.87	0.78	0.63	0.86	0.63	0.70	0.71	0.69	1.00	1.00	1.00
8	29	15	0.00	0.28	0.03	0.18	0.00	0.03	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.24	0.22	0.02	0.01	0.15	0.00	0.28	0.28	0.17	0.56	0.66	0.67	0.64	0.59	0.78	0.77	0.79	0.74	0.88	0.49	0.59	0.75	0.71	0.57	0.75	0.66	0.62	0.71	0.55	1.00	1.00	1.00
8	29	16	0.00	0.27	0.03	0.09	0.01	0.04	0.29	0.00	0.00	0.00	0.02	0.01	0.00	0.08	0.34	0.32	0.28	0.01	0.19	0.01	0.18	0.27	0.16	0.45	0.59	0.57	0.58	0.56	0.73	0.70	0.73	0.68	0.76	0.56	0.58	0.73	0.68	0.45	0.72	0.61	0.66	0.59	0.33	1.00	1.00	1.00
8	29	17	0.01	0.26	0.03	0.09	0.08	0.07	0.34	0.04	0.02	0.01	0.04	0.01	0.01	0.07	0.32	0.29	0.21	0.02	0.31	0.14	0.03	0.26	0.15	0.27	0.43	0.43	0.43	0.46	0.61	0.57	0.63	0.59	0.41	0.50	0.61	0.57	0.30	0.39	0.56	0.58	0.53	0.36	0.25	1.00	1.00	1.00
8	29	18	0.10	0.27	0.02	0.19	0.28	0.15	0.43	0.18	0.16	0.10	0.02	0.01	0.11	0.04	0.29	0.27	0.10	0.02	0.32	0.06	0.04	0.27	0.17	0.06	0.18	0.20	0.17	0.30	0.37	0.35	0.34	0.23	0.30	0.19	0.14	0.19	0.09	0.06	0.19	0.34	0.28	0.14	0.02	1.00	1.00	1.00
8	29	19	0.18	0.47	0.04	0.31	0.53	0.73	0.49	0.33	0.25	0.17	0.02	0.16	0.19	0.23	0.26	0.24	0.25	0.02	0.37	0.09	0.13	0.47	0.36	0.00	0.01	0.01	0.01	0.04	0.01	0.00	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	1.00	1.00	1.00
8	29	20	0.09	0.40	0.07	0.34	0.68	0.86	0.52	0.38	0.15	0.08	0.02	0.33	0.10	0.40	0.23	0.21	0.38	0.02	0.35	0.10	0.23	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	21	0.03	0.23	0.02	0.20	0.74	0.87	0.52	0.28	0.09	0.02	0.09	0.27	0.04	0.34	0.21	0.18	0.33	0.02	0.37	0.04	0.15	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	22	0.07	0.16	0.00	0.16	0.74	0.77	0.55	0.21	0.13	0.06	0.18	0.14	0.08	0.22	0.20	0.18	0.28	0.04	0.31	0.01	0.16	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	23	0.05	0.10	0.00	0.14	0.73	0.66	0.56	0.23	0.11	0.04	0.18	0.08	0.06	0.15	0.17	0.15	0.30	0.08	0.23	0.00	0.07	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	29	24	0.04	0.07	0.00	0.11	0.72	0.65	0.56	0.26	0.10	0.03	0.15	0.05	0.05	0.12	0.28	0.26	0.40	0.12	0.17	0.04	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	1	0.03	0.06	0.01	0.10	0.72	0.70	0.56	0.25	0.09	0.02	0.11	0.05	0.04	0.13	0.38	0.36	0.50	0.09	0.10	0.05	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	2	0.00	0.08	0.00	0.08	0.65	0.76	0.52	0.17	0.05	0.00	0.06	0.03	0.01	0.09	0.33	0.31	0.59	0.09	0.05	0.04	0.07	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	3	0.00	0.21	0.00	0.08	0.57	0.52	0.44	0.11	0.03	0.00	0.05	0.05	0.00	0.12	0.32	0.30	0.65	0.08	0.02	0.00	0.05	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	4	0.00	0.26	0.00	0.08	0.54	0.39	0.35	0.03	0.02	0.00	0.08	0.08	0.00	0.15	0.24	0.22	0.66	0.08	0.01	0.00	0.02	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	5	0.00	0.24	0.00	0.07	0.46	0.28	0.31	0.01	0.02	0.00	0.10	0.12	0.00	0.19	0.20	0.18	0.58	0.07	0.01	0.04	0.02	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	30	6	0.00	0.20	0.00	0.05	0.37	0.19	0.23	0.00	0.01	0.00	0.07	0.11	0.00	0.18	0.17	0.15	0.45	0.04	0.01	0.04	0.10	0.20	0.09	0.00	0.01	0.14	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.04	0.02	0.01	0.01	0.02	0.25	0.12	0.13	0.21	1.00	1.00	1.00
8	30	7	0.00	0.13	0.00	0.04	0.26	0.19	0.18	0.00	0.00	0.00	0.05	0.07	0.00	0.14	0.14	0.12	0.19	0.03	0.00	0.01	0.09	0.12	0.03	0.01	0.14	0.39	0.13	0.36	0.29	0.21	0.07	0.10	0.14	0.14	0.40	0.13	0.07	0.27	0.13	0.55	0.36	0.45	0.40	1.00	1.00	1.00
8	30	8	0.00	0.12	0.00	0.02	0.09	0.06	0.14	0.00	0.00	0.00	0.09	0.03	0.00	0.10	0.10	0.08	0.04	0.02	0.00	0.02	0.01	0.12	0.03	0.14	0.29	0.49	0.28	0.54	0.59	0.42	0.04	0.22	0.50	0.25	0.47	0.19	0.24	0.52	0.19	0.72	0.45	0.64	0.53	1.00	1.00	1.00
8	30	9	0.00	0.09	0.00	0.02	0.01	0.02	0.12	0.00	0.00	0.00	0.03	0.02	0.00	0.08	0.07	0.06	0.02	0.03	0.00	0.17	0.00	0.09	0.01	0.32	0.46	0.62	0.46	0.73	0.74	0.59	0.18	0.35	0.84	0.30	0.76	0.29	0.39	0.72	0.29	0.80	0.51	0.82	0.61	1.00	1.00	1.00
8	30	10	0.00	0.08	0.00	0.04	0.00	0.03	0.09	0.00	0.01	0.00	0.00	0.03	0.00	0.10	0.11	0.09	0.05	0.06	0.01	0.14	0.00	0.08	0.00	0.45	0.57	0.61	0.56	0.85	0.81	0.59	0.38	0.59	0.91	0.34	0.74	0.30	0.51	0.80	0.29	0.83	0.53	0.88	0.62	1.00	1.00	1.00
8	30	11	0.00	0.08	0.00	0.07	0.00	0.02	0.07	0.00	0.01	0.00	0.01	0.02	0.00	0.08	0.12	0.10	0.07	0.06	0.01	0.11	0.00	0.08	0.01	0.50	0.58	0.58	0.57	0.75	0.84	0.63	0.40	0.72	0.93	0.57	0.26	0.25	0.66	0.76	0.25	0.70	0.42	0.89	0.74	1.00	1.00	1.00
8	30	12	0.06	0.08	0.00	0.12	0.00	0.02	0.06	0.00	0.12	0.05	0.00	0.02	0.07	0.09	0.14	0.12	0.08	0.07	0.01	0.10	0.11	0.08	0.00	0.55	0.61	0.54	0.60	0.68	0.84	0.76	0.36	0.79	0.87	0.58	0.04	0.52	0.79	0.74	0.52	0.68	0.33	0.84	0.70	1.00	1.00	1.00
8	30	13	0.14	0.07	0.00	0.16	0.00	0.00	0.06	0.03	0.20	0.13	0.00	0.01	0.15	0.08	0.18	0.16	0.10	0.06	0.01	0.15	0.58	0.07	0.00	0.54	0.59	0.46	0.58	0.67	0.82	0.74	0.34	0.87	0.75	0.41	0.19	0.52	0.79	0.64	0.51	0.46	0.25	0.74	0.73	1.00	1.00	1.00
8	30	14	0.38	0.12	0.00	0.22	0.00	0.00	0.07	0.21	0.44	0.37	0.00	0.03	0.39	0.10	0.24	0.22	0.14	0.07	0.03	0.15	0.38	0.12	0.03	0.55	0.62	0.36	0.61	0.64	0.79	0.74	0.46	0.84	0.70	0.54	0.28	0.52	0.90	0.70	0.52	0.34	0.29	0.62	0.46	1.00	1.00	1.00
8	30	15	0.30	0.14	0.01	0.40	0.01	0.01	0.08	0.04	0.35	0.29	0.00	0.03	0.31	0.09	0.34	0.32	0.18	0.11	0.07	0.14	0.15	0.14	0.04	0.52	0.61	0.34	0.60	0.47	0.78	0.66	0.54	0.89	0.54	0.55	0.78	0.58	0.73	0.57	0.57	0.33	0.36	0.45	0.33	1.00	1.00	1.00
8	30	16	0.33	0.10	0.11	0.43	0.07	0.04	0.09	0.06	0.39	0.32	0.01	0.06	0.34	0.13	0.50	0.49	0.23	0.16	0.22	0.15	0.10	0.10	0.02	0.42	0.55	0.35	0.54	0.61	0.72	0.70	0.49	0.76	0.41	0.52	0.77	0.58	0.59	0.52	0.58	0.33	0.39	0.43	0.50	1.00	1.00	1.00
8	30	17	0.17	0.09	0.19	0.35	0.11	0.14	0.12	0.10	0.23	0.16	0.00	0.07	0.18	0.14	0.56	0.54	0.42	0.23	0.20	0.23	0.57	0.09	0.01	0.27	0.44	0.30	0.43	0.55	0.60	0.59	0.50	0.59	0.39	0.40	0.60	0.50	0.54	0.44	0.50	0.17	0.37	0.31	0.23	1.00	1.00	1.00
8	30	18	0.12	0.10	0.06	0.38	0.14	0.54	0.15	0.09	0.18	0.11	0.02	0.20	0.13	0.28	0.54	0.52	0.40	0.18	0.24	0.33	0.50	0.10	0.01	0.06	0.16	0.13	0.16	0.35	0.33	0.31	0.28	0.31	0.14	0.20	0.13	0.04	0.11	0.15	0.04	0.09	0.21	0.11	0.02	1.00	1.00	1.00
8	30	19	0.04	0.13	0.12	0.33	0.23	0.82	0.14	0.02	0.10	0.03	0.13	0.37	0.05	0.44	0.57	0.56	0.29	0.23	0.26	0.33	0.52	0.13	0.04	0.00	0.01	0.01	0.01	0.04	0.00	0.00	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	1.00	1.00	1.00
8	30	20	0.03	0.19	0.23	0.19	0.28	0.87	0.15	0.00	0.09	0.03	0.08	0.27	0.04	0.35	0.55	0.53	0.33	0.32	0.23	0.42	0.53	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	21	0.09	0.17	0.29	0.15	0.31	0.80	0.17	0.00	0.15	0.08	0.07	0.10	0.10	0.17	0.46	0.44	0.30	0.17	0.27	0.25	0.33	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind																						
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_Ne	Arizona_Wir	New_Mexico	SW_Ext_Tx
8	30	22	0.01	0.16	0.48	0.12	0.34	0.74	0.15	0.00	0.04	0.00	0.11	0.01	0.01	0.07	0.39	0.37	0.54	0.08	0.13	0.06	0.24	0.16	0.06
8	30	23	0.00	0.15	0.49	0.09	0.37	0.85	0.11	0.00	0.00	0.00	0.04	0.01	0.00	0.08	0.30	0.28	0.55	0.15	0.18	0.00	0.20	0.15	0.05
8	30	24	0.00	0.16	0.40	0.10	0.29	0.85	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.27	0.25	0.35	0.22	0.21	0.00	0.14	0.16	0.06
8	31	1	0.00	0.13	0.38	0.11	0.11	0.89	0.05	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.49	0.47	0.22	0.28	0.12	0.00	0.08	0.13	0.04
8	31	2	0.00	0.11	0.45	0.12	0.03	0.85	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.50	0.48	0.12	0.28	0.14	0.00	0.05	0.11	0.02
8	31	3	0.00	0.10	0.45	0.12	0.03	0.75	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.51	0.50	0.11	0.27	0.21	0.00	0.02	0.10	0.02
8	31	4	0.00	0.11	0.41	0.13	0.02	0.73	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.49	0.47	0.32	0.31	0.25	0.00	0.02	0.12	0.02
8	31	5	0.00	0.09	0.32	0.12	0.09	0.66	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.02	0.36	0.34	0.20	0.35	0.22	0.00	0.04	0.09	0.01
8	31	6	0.01	0.05	0.33	0.12	0.15	0.55	0.04	0.00	0.06	0.00	0.00	0.00	0.02	0.01	0.31	0.29	0.19	0.36	0.19	0.00	0.04	0.05	0.00
8	31	7	0.00	0.04	0.27	0.09	0.12	0.49	0.06	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.25	0.22	0.14	0.31	0.10	0.00	0.00	0.04	0.00
8	31	8	0.00	0.06	0.19	0.07	0.05	0.16	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.14	0.05	0.26	0.08	0.00	0.00	0.06	0.00
8	31	9	0.00	0.07	0.15	0.09	0.01	0.22	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.18	0.04	0.13	0.12	0.00	0.00	0.07	0.00
8	31	10	0.00	0.08	0.18	0.12	0.00	0.18	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.31	0.29	0.05	0.03	0.12	0.00	0.00	0.08	0.01
8	31	11	0.00	0.12	0.24	0.18	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.40	0.38	0.07	0.03	0.10	0.00	0.01	0.12	0.03
8	31	12	0.00	0.15	0.35	0.24	0.00	0.14	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.43	0.41	0.07	0.01	0.12	0.00	0.18	0.15	0.05
8	31	13	0.01	0.16	0.56	0.31	0.02	0.13	0.23	0.00	0.01	0.01	0.01	0.00	0.01	0.04	0.55	0.53	0.10	0.01	0.21	0.00	0.73	0.16	0.06
8	31	14	0.17	0.14	0.66	0.38	0.10	0.10	0.29	0.00	0.23	0.16	0.11	0.00	0.18	0.04	0.56	0.54	0.14	0.04	0.27	0.00	0.52	0.14	0.04
8	31	15	0.07	0.13	0.69	0.45	0.20	0.06	0.38	0.01	0.13	0.06	0.01	0.00	0.08	0.06	0.62	0.60	0.21	0.24	0.35	0.00	0.11	0.13	0.03
8	31	16	0.10	0.12	0.65	0.51	0.26	0.12	0.46	0.11	0.16	0.09	0.05	0.00	0.11	0.04	0.55	0.53	0.26	0.16	0.40	0.00	0.13	0.12	0.03
8	31	17	0.33	0.15	0.76	0.33	0.24	0.13	0.52	0.12	0.39	0.32	0.04	0.00	0.34	0.06	0.48	0.47	0.38	0.59	0.51	0.06	0.34	0.15	0.05
8	31	18	0.18	0.13	0.77	0.32	0.32	0.41	0.57	0.35	0.23	0.17	0.00	0.00	0.19	0.07	0.42	0.40	0.39	0.82	0.46	0.18	0.34	0.13	0.04
8	31	19	0.23	0.24	0.83	0.38	0.46	0.83	0.60	0.52	0.29	0.22	0.00	0.00	0.24	0.03	0.41	0.39	0.24	0.46	0.25	0.26	0.23	0.24	0.12
8	31	20	0.28	0.20	0.84	0.35	0.56	0.83	0.62	0.59	0.34	0.27	0.00	0.00	0.29	0.05	0.35	0.33	0.14	0.15	0.30	0.14	0.10	0.20	0.09
8	31	21	0.31	0.17	0.77	0.28	0.57	0.73	0.65	0.58	0.36	0.30	0.00	0.00	0.32	0.06	0.30	0.28	0.08	0.18	0.14	0.07	0.05	0.17	0.07
8	31	22	0.40	0.24	0.75	0.26	0.55	0.76	0.64	0.56	0.44	0.39	0.00	0.02	0.40	0.09	0.26	0.24	0.05	0.29	0.22	0.00	0.03	0.24	0.13
8	31	23	0.47	0.21	0.80	0.26	0.57	0.79	0.64	0.59	0.51	0.46	0.05	0.02	0.47	0.09	0.23	0.21	0.03	0.44	0.31	0.00	0.01	0.21	0.10
8	31	24	0.34	0.24	0.72	0.32	0.61	0.69	0.63	0.61	0.39	0.33	0.01	0.00	0.35	0.06	0.24	0.21	0.06	0.53	0.30	0.00	0.00	0.24	0.13
9	1	1	0.24	0.20	0.67	0.35	0.64	0.61	0.61	0.56	0.29	0.23	0.00	0.00	0.25	0.04	0.18	0.16	0.05	0.39	0.41	0.00	0.00	0.20	0.09
9	1	2	0.22	0.19	0.54	0.30	0.60	0.61	0.60	0.46	0.27	0.21	0.00	0.00	0.23	0.03	0.14	0.12	0.03	0.21	0.56	0.00	0.03	0.19	0.09
9	1	3	0.19	0.25	0.45	0.26	0.57	0.44	0.59	0.35	0.25	0.18	0.00	0.00	0.20	0.03	0.12	0.10	0.02	0.23	0.57	0.00	0.19	0.25	0.14
9	1	4	0.20	0.22	0.32	0.22	0.54	0.43	0.57	0.31	0.26	0.19	0.00	0.00	0.21	0.01	0.11	0.09	0.04	0.32	0.60	0.00	0.05	0.22	0.11
9	1	5	0.13	0.13	0.18	0.21	0.50	0.41	0.55	0.29	0.19	0.12	0.00	0.00	0.14	0.01	0.11	0.09	0.04	0.26	0.66	0.00	0.02	0.13	0.04
9	1	6	0.09	0.11	0.07	0.19	0.47	0.38	0.49	0.21	0.15	0.08	0.00	0.00	0.10	0.01	0.13	0.11	0.06	0.15	0.63	0.00	0.00	0.11	0.02
9	1	7	0.02	0.07	0.01	0.15	0.39	0.32	0.45	0.11	0.07	0.01	0.00	0.00	0.02	0.00	0.13	0.11	0.10	0.09	0.46	0.00	0.00	0.07	0.00
9	1	8	0.00	0.08	0.01	0.08	0.23	0.13	0.39	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.07	0.01	0.42	0.00	0.00	0.08	0.00
9	1	9	0.00	0.09	0.04	0.11	0.05	0.08	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.11	0.07	0.00	0.36	0.00	0.00	0.09	0.01
9	1	10	0.00	0.11	0.07	0.17	0.00	0.08	0.36	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.19	0.17	0.08	0.00	0.26	0.00	0.01	0.11	0.02
9	1	11	0.00	0.17	0.08	0.22	0.00	0.08	0.40	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.23	0.20	0.11	0.01	0.18	0.00	0.04	0.17	0.07
9	1	12	0.00	0.21	0.07	0.25	0.00	0.12	0.45	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.24	0.22	0.12	0.02	0.13	0.00	0.04	0.20	0.10
9	1	13	0.00	0.34	0.04	0.30	0.00	0.11	0.54	0.00	0.06	0.00	0.07	0.00	0.01	0.05	0.25	0.23	0.21	0.07	0.09	0.01	0.28	0.34	0.23
9	1	14	0.02	0.45	0.01	0.31	0.00	0.16	0.61	0.00	0.08	0.01	0.01	0.00	0.03	0.06	0.26	0.24	0.22	0.39	0.07	0.03	0.50	0.46	0.34
9	1	15	0.03	0.29	0.00	0.31	0.01	0.21	0.64	0.03	0.09	0.02	0.04	0.00	0.04	0.04	0.28	0.26	0.22	0.36	0.05	0.00	0.65	0.29	0.19
9	1	16	0.23	0.24	0.00	0.31	0.06	0.26	0.66	0.16	0.29	0.22	0.04	0.00	0.24	0.04	0.28	0.26	0.21	0.22	0.04	0.04	0.39	0.24	0.13
9	1	17	0.29	0.20	0.00	0.31	0.22	0.34	0.66	0.35	0.35	0.28	0.03	0.03	0.30	0.10	0.28	0.26	0.15	0.30	0.04	0.29	0.33	0.20	0.10
9	1	18	0.26	0.16	0.00	0.31	0.41	0.41	0.69	0.44	0.31	0.25	0.01	0.04	0.27	0.11	0.24	0.22	0.09	0.10	0.10	0.43	0.51	0.16	0.06
9	1	19	0.32	0.15	0.00	0.33	0.61	0.63	0.71	0.62	0.37	0.31	0.01	0.07	0.32	0.14	0.23	0.21	0.08	0.09	0.16	0.17	0.46	0.15	0.05
9	1	20	0.36	0.15	0.02	0.35	0.69	0.78	0.71	0.68	0.41	0.35	0.00	0.09	0.37	0.16	0.24	0.21	0.07	0.06	0.21	0.08	0.33	0.15	0.05
9	1	21	0.40	0.15	0.09	0.31	0.68	0.82	0.71	0.66	0.45	0.40	0.04	0.22	0.41	0.29	0.24	0.22	0.10	0.08	0.21	0.10	0.15	0.15	0.05
9	1	22	0.41	0.12	0.19	0.22	0.65	0.76	0.72	0.64	0.46	0.40	0.10	0.29	0.42	0.36	0.23	0.21	0.11	0.17	0.21	0.19	0.04	0.12	0.03
9	1	23	0.34	0.12	0.30	0.16	0.65	0.73	0.67	0.66	0.39	0.33	0.03	0.21	0.35	0.28	0.25	0.22	0.13	0.20	0.25	0.18	0.31	0.12	0.03
9	1	24	0.30	0.15	0.41	0.14	0.66	0.48	0.61	0.65	0.35	0.29	0.06	0.10	0.31	0.17	0.26	0.24	0.16	0.19	0.25	0.34	0.75	0.15	0.05
9	2	1	0.33	0.13	0.46	0.11	0.64	0.57	0.55	0.61	0.38	0.32	0.07	0.09	0.34	0.16	0.23	0.21	0.22	0.16	0.23	0.25	0.64	0.13	0.03
9	2	2	0.40	0.11	0.43	0.09	0.62	0.64	0.48	0.56	0.45	0.39	0.05	0.14	0.41	0.22	0.18	0.16	0.26	0.44	0.21	0.08	0.46	0.11	0.02
9	2	3	0.37	0.11	0.34	0.09	0.59	0.64	0.39	0.49	0.42	0.36	0.09	0.08	0.37	0.15	0.12	0.10	0.29	0.59	0.17	0.06	0.08	0.11	0.02
9	2	4	0.19	0.11	0.26	0.08	0.56	0.58	0.32	0.43	0.24	0.18	0.03	0.02	0.20	0.09	0.10	0.08	0.38	0.44	0.10	0.09	0.18	0.11	0.02
9	2	5	0.10	0.11	0.25	0.08	0.56	0.51	0.24	0.36	0.16	0.10	0.00	0.04	0.11	0.10	0.09	0.07	0.31	0.27	0.10	0.05	0.31	0.11	0.02
9	2	6	0.05	0.13	0.29	0.09	0.55	0.44	0.20	0.24	0.10	0.04	0.01	0.23	0.06	0.30	0.09	0.07	0.26	0.20	0.09	0.01	0.11	0.13	0.03
9	2	7	0.03	0.08	0.21	0.07	0.40	0.41	0.19	0.15	0.08	0.02	0.04	0.23	0.04	0.30	0.10	0.08	0.22	0.17	0.06	0.10	0.04	0.08	0.01
9	2	8	0.00	0.08	0.08	0.04	0.13	0.21	0.16	0.02	0.03	0.00	0.00	0.16	0.00	0.23	0.07	0.05	0.11	0.13	0.03	0.03	0.00	0.08	0.00
9	2	9	0.01	0.10	0.01	0.02	0.02	0.14	0.14	0.00	0.06	0.00	0.00	0.15	0.02	0.22	0.08	0.06	0.07	0.19	0.02	0.00	0.00	0.10	0.01
9	2	10	0.00	0.11	0.00	0.03	0.00	0.17	0.13	0.00	0.02	0.00	0.00	0.12	0.00	0.19	0.11	0.09	0.10	0.12	0.02	0.00	0.01	0.11	0.02
9	2	11	0.00	0.11	0.00	0.04	0.00	0.21	0.15	0.00	0.01	0.00	0.00	0.07	0.00	0.14	0.13	0.11	0.14	0.25	0.04	0.00	0.05	0.11	0.02
9	2	12	0.00	0.15	0.00	0.06	0.00	0.21	0.21	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.15	0.13	0.20	0.18	0.14	0.00	0.08	0.15	0.05
9	2	13	0.00	0.17	0.06	0.07	0.00	0.20	0.29	0.00	0.01	0.00	0.01	0.02	0.00	0.09	0.18	0.16	0.16	0.08	0.21	0.00	0.09	0.17	0.07
9	2	14	0.05	0.17	0.20	0.09	0.00	0.20	0.37	0.00	0.11	0.04	0.18	0.01	0.06	0.08	0.22	0.20	0.13	0.04	0.31	0.01	0.11	0.17	0.07
9	2	15	0.17	0.19	0.32	0.09	0.00	0.22	0.50	0.02	0.23	0.16	0.04	0.01	0.18	0.07	0.28	0.25	0.23	0.40	0.35	0.21	0.15	0.19	0.08
9	2	16	0.13	0.20	0.35	0.09	0.00	0.24	0.56	0.16	0.18	0.12	0.03	0.10	0.14	0.18	0.30	0.28	0.29	0.47	0.47	0.40	0.31	0.20	0.09
9	2	17	0.23	0.21	0.41	0.08	0.03	0.30	0.61	0.36	0.29	0.23	0.09	0.21	0.24	0.28	0.31	0.29	0.25	0.22	0.51	0.45	0.09	0.21	0.11
9	2	18	0.23	0.25	0.42	0.10	0.20	0.33	0.61	0.53	0.28	0.22	0.02	0.39	0.24	0.46	0.28	0.26	0.27	0.10	0.46	0.29	0.05	0.25	0.14
9	2	19	0.38	0.29	0.38	0.19	0.48	0.51	0.66	0.63	0.43	0.37	0.05	0.18	0.39	0.24	0.27	0.25	0.33	0.17	0.44	0.27	0.17	0.29	0.18
9	2	20	0.45	0.35	0.36	0.18	0.63	0.47	0.66	0.62	0.50	0.44	0.31	0.21	0.46	0.28	0.28	0.26	0.27	0.51	0.41	0.27	0.24	0.35	0.24
9	2	21	0.39	0.34	0.37	0.12	0.67	0.72	0.67	0.55	0.44	0.39	0.41	0.28	0.40	0.35	0.27	0.25	0.18	0.28	0.28	0.28	0.44	0.34	0.24
9	2	22	0.32	0.34	0.39	0.10	0.68	0.55	0.63	0.52	0.37	0.31	0.33	0.39	0.33	0.46	0.22	0.20	0.18	0.08	0.23	0.34	0.50	0.34	0.23
9	2	23	0.18	0.30	0.39	0.07	0.68	0.33	0.57	0.51	0.23	0.17	0.19	0.43	0.18	0.50	0.16	0.14	0.18	0.07	0.26	0.43	0.70	0.30	0.19
9	2	24	0.18	0.26	0.37	0.06	0.69	0.35	0.54	0.48	0.24	0.17	0.19	0.40	0.19	0.46	0.09	0.07	0.15	0.09	0.27	0.42	0.69	0.26	0.15
9	3	1	0.08	0.21	0.29	0.05	0.67	0.33	0.50	0.27	0.14	0.07	0.10	0.49	0.09	0.56	0.05	0.04	0.16	0.12	0.20	0.48	0.33	0.21	0.10
9	3	2	0.17	0.15	0.21	0.04	0.63	0.20	0.46	0.13	0.23	0.16	0.08	0.33	0.18	0.39	0.05	0.03	0.14	0.11	0.14	0.39	0.11	0.15	0.05
9	3	3	0.09	0.11	0.21	0.05	0.59	0.25	0.41	0.10	0.14	0.08	0.15	0.23	0.10	0.30	0.05	0.04	0.10	0.26	0.17	0.27	0.02	0.11	0.02
9	3	4	0.01	0.06	0.13	0.04	0.59	0.32	0.38	0.05	0.01	0.01	0.19	0.17	0.01	0.24	0.06	0.04	0.07	0.11	0.21	0.14	0.00	0.06	0.00
9	3	5	0.07	0.04	0.06	0.04	0.55	0.33	0.36	0.00	0.13	0.06	0.11	0.14	0.08	0.21	0.05	0.04	0.08	0.10	0.32	0.15	0.00	0.04	0.00
9	3	6	0.22	0.03	0.02	0.06	0.58	0.32	0.34	0.00	0.28	0.21	0.25	0.15	0.23	0.23	0.04	0.03	0.09	0.42	0.28	0.18	0.00	0.03	0.00
9	3	7	0.17	0.01	0.00	0.06	0.55	0.31	0.35	0.00	0.22	0.16	0.27	0.17	0.18	0.25	0.04	0.03	0.06	0.29	0.28	0.18	0.01	0.01	0.00
9	3	8	0.20	0.02	0.00	0.04	0.43	0.21	0.37	0.00	0.26	0.19	0.12	0.19	0.21	0.26	0.03	0.02	0.04	0.14	0.45	0.14	0.00	0.02	0.00
9	3	9	0.12	0.05	0.00	0.04	0.25	0.08	0.35	0.00	0.17	0.11	0.08	0.22	0.13	0.29	0.03	0.02	0.06	0.16	0.67	0.18	0.01	0.05	0.00
9	3	10	0.03	0.06	0.00	0.08	0.17	0.05	0.37	0.00	0.08	0.02	0.03	0.21	0.04	0.28	0.06	0.04	0.07	0.20	0.60	0.19	0.01	0.06	0.00
9	3	11	0.00	0.07	0.00	0.15	0.17	0.09	0.42	0.00	0.03	0.00	0.01	0.17	0.00	0.25	0.10	0.08	0.08	0.12	0.49	0.19	0.00	0.07	0.00
9	3	12	0.02	0.08	0.00	0.23	0.20	0.10	0.48	0.02	0.07	0.02	0.04	0.13	0.03	0.21	0.15	0.13	0.12	0.03	0.38	0.19	0.08	0.08	0.00
9	3	13	0.31	0.08	0.00	0.29	0.28	0.12	0.56	0.25	0.37	0.31	0.08	0.05	0.32	0.12	0.18	0.16	0.17	0.27	0.32	0.24	0.34	0.08	0.00
9	3	14	0.39	0.08	0.00	0.34	0.41	0.18	0.61	0.62	0.45	0.39	0.03	0.06	0.40	0.12	0.22	0.20	0.22	0.69	0.30	0.24	0.43	0.08	0.00
9	3	15	0.26	0.08	0.00	0.40	0.59	0.26	0.69	0.35	0.31	0.25	0.05	0.13	0.27	0.19	0.26	0.24	0.32	0.49	0.34	0.29	0.14	0.08	0.01
9	3	16	0.30	0.09	0.01	0.48	0.70	0.29	0.74	0.10	0.35	0.29	0.26	0.30	0.31	0.38	0.31	0.29	0.43	0.50	0.21	0.24	0.05	0.09	0.01
9	3	17	0.33	0.13	0.09	0.54	0.79	0.38	0.76	0.12	0.38	0.32	0.62	0.39	0.34	0.45	0.35	0.33	0.46	0.67	0.28	0.21	0.12	0.13	0.04
9	3	18	0.36	0.27	0.23	0.54	0.85	0.78	0.79	0.13	0.42	0.36	0.32	0.37	0.37	0.43	0.36	0.34	0.42	0.55	0.34	0.17	0.26	0.27	0.16
9	3	19	0.29	0.42	0.36	0.58	0.89	0.95	0.81	0.13	0.34	0.28	0.09	0.39	0.30	0.46	0.39	0.37	0.44	0.54	0.31	0.15	0.11	0.42	0.31
9	3	20	0.36	0.47	0.44	0.49	0.88	0.91	0.82	0.13	0.42	0.36	0.08	0.26	0.37	0.33	0.41	0.39	0.45	0.66	0.32	0.26	0.09	0.47	0.37
9	3	21	0.41	0.51	0.46	0.40	0.88	0.93	0.80	0.21	0.46	0.40	0.03	0.24	0.42	0.30	0.43	0.41	0.57	0.86	0.31	0.25	0.11	0.51	0.42
9	3	22	0.27	0.52	0.50	0.38	0.88	0.87	0.79	0.25	0.31	0.26	0.02	0.27	0.27	0.34	0.46	0.44	0.73	0.85	0.36	0.31	0.10	0.52	0.43
9	3	23	0.33	0.46	0.55	0.43	0.87	0.78	0.79	0.37	0.38	0.32	0.06	0.32	0.34	0.39	0.43	0.41	0.64	0.74	0.34	0.30	0.11	0.46	0.36
9	3	24	0.45	0.37	0.58	0.40	0.87	0.57	0.78	0.60	0.50	0.45	0.09	0.34	0.46	0.40	0.38	0.36	0.45	0.61	0.27	0.28	0.03	0.37	0.26
9	4	1	0.46	0.29	0.59	0.41	0.87	0.47	0.77	0.61	0.51	0.45	0.13	0.36	0.47	0.42	0.39	0.37	0.60	0.44	0.22	0.25	0.01	0.29	0.18
9	4	2	0.38	0.16	0.62	0.39	0.87	0.48	0.77	0.58	0.43	0.37	0.22	0.39	0.39	0.45	0.44	0.43	0.67	0.38	0.19	0.26	0.05	0.16	0.07
9	4	3	0.38	0.12	0.83	0.37	0.87	0.50	0.77	0.55	0.43	0.37	0.13	0.42	0.39	0.49	0.48	0.46	0.60	0.46	0.23	0.30	0.20	0.12	0.03
9	4	4	0.36	0.13	0.84	0.35	0.87	0.52	0.76	0.55	0.41	0.35	0.18	0.39	0.37	0.46	0.51	0.49	0.41	0.52	0.24	0.26	0.34	0.13	0.04
9	4	5	0.36	0.15	0.70	0.31	0.87	0.49	0.76	0.52	0.41	0.35	0.21	0.36	0.37	0.42	0.47	0.46	0.40	0.63	0.25	0.27	0.32	0.15	0.05
9	4	6	0.34	0.21	0.61	0.28	0.86	0.52	0.77	0.49	0.39	0.33	0.25	0.28	0.35	0.35	0.39	0.37	0.43	0.49	0.24	0.24	0.28	0.21	0.09
9	4	7	0.27	0.15	0.52	0.26	0.78	0.41	0.76	0.41	0.33	0.26	0.31	0.20	0.28	0.28	0.30	0.28	0.38	0.27	0.14	0.21	0.22	0.15	0.05
9	4	8	0.14	0.14	0.35	0.13	0.65	0.10	0.74	0.32	0.19	0.13	0.18	0.15	0.15	0.23	0.20	0.18	0.23	0.14	0.09	0.28	0.12	0.14	0.04
9	4	9	0.18	0.14	0.33	0.10	0.63	0.12	0.73	0.29	0.24	0.17	0.20	0.14	0.19	0.21	0.15	0.13	0.20	0.26	0.07	0.36	0.10	0.14	0.04
9	4	10	0.20	0.10	0.24	0.10	0.64	0.23	0.75	0.26	0.26	0.19	0.23	0.08	0.21	0.15	0.16	0.14	0.14	0.18	0.04	0.48	0.08	0.10	0.01
9	4	11	0.27	0.08	0.20	0.10	0.62	0.33	0.77	0.32	0.32	0.26	0.18	0.07	0.28	0.14	0.17	0.15	0.17	0.30	0.03	0.62	0.08	0.08	0.00
9	4	12	0.48	0.08	0.17	0.10	0.51	0.27	0.74	0.38	0.52	0.47	0.20	0.08	0.49	0.16	0.15	0.12	0.24	0.19	0.07	0.72	0.09	0.08	0.01
9	4	13	0.63	0.09	0.23	0.12	0.40	0.27	0.74	0.46	0.66	0.63	0.22	0.13	0.64	0.20	0.14	0.12	0.32	0.52	0.07	0.74	0.11	0.09	0.01
9	4	14	0.70	0.12	0.38	0.14	0.38	0.26	0.77	0.54	0.73	0.70	0.28	0.29	0.71	0.37	0.16	0.14	0.28	0.68	0.05	0.73	0.19	0.12	0.03
9	4	15	0.78	0.13	0.47	0.17	0.44	0.32	0.78	0.60	0.80	0.77	0.26	0.33	0.78	0.40	0.22	0.20	0.22	0.29	0.13	0.71	0.26	0.13	0.04
9	4	16	0.81	0.18	0.57	0.19	0.55	0.37	0.79	0.65	0.83	0.81	0.38	0.45	0.81	0.52	0.30	0.28	0.22	0.17	0.18	0.71	0.36	0.18	0.07
9	4	17	0.87	0.18	0.58	0.26	0.65	0.43	0.79	0.68	0.88	0.87	0.43	0.39	0.87	0.45	0.33	0.31	0.42	0.39	0.17	0.71	0.46	0.18	0.08
9	4	18	0.81	0.25	0.58	0.31	0.72	0.43	0.80	0.69	0.83	0.81	0.40	0.45	0.82	0.51	0.37	0.35	0.77	0.45	0.17	0.67	0.56	0.25	0.14
9	4	19	0.83	0.36	0.60	0.33	0.73	0.86	0.83	0.72	0.85	0.83	0.58	0.60	0.84	0.65	0.48	0.46	0.76	0.33	0.26	0.61	0.71	0.36	0.25
9	4	20	0.74	0.37	0.66	0.34	0.70	0.93	0.84	0.73	0.76	0.74	0.70	0.61	0.75	0.65	0.58	0.56	0.52	0.36	0.31	0.67	0.87	0.37	0.26
9	4	21	0.77	0.31	0.65	0.37	0.65	0.82	0.82	0.69	0.79	0.77	0.81	0.66	0.77	0.70	0.59	0.58	0.47	0.56	0.29	0.66	0.90	0.31	0.21
9	4	22	0.74	0.31	0.64	0.43	0.57	0.71	0.82	0.69	0.76	0.74	0.83	0.67	0.74	0.71	0.56	0.54	0.39	0.66	0.27	0.77	0.88	0.31	0.20
9	4	23	0.68	0.34	0.61	0.49	0.47	0.57	0.79	0.67	0.70	0.67	0.85	0.64	0.68	0.68	0.49	0.47	0.41	0.83	0.30	0.77	0.89	0.34	0.24
9	4	24	0.56	0.41	0.63	0.55	0.34	0.44	0.76	0.65	0.60	0.55	0.87	0.58	0.57	0.62	0.43	0.41	0.42	0.72	0.46	0.82	0.92	0.41	0.31
9	5	1	0.51	0.50	0.62	0.64	0.21	0.39	0.71	0.62	0.55	0.50	0.86	0.50	0.52	0.55	0.41	0.39	0.40	0.77	0.53	0.81	0.83	0.50	0.41
9	5	2	0.53	0.62	0.57	0.69	0.14	0.33	0.61	0.55	0.57	0.53	0.86	0.46	0.54	0.51	0.36	0.33	0.35	0.73	0.64	0.74	0.73	0.62	0.54
9	5	3	0.55	0.73	0.50	0.72	0.20	0.27	0.52	0.51	0.59	0.55	0.81	0.45	0.56	0.51	0.33	0.31	0.28	0.81	0.66	0.70	0.60	0.73	0.67
9	5	4	0.48	0.75	0.42	0.75	0.33	0.28	0.44	0.46	0.52	0.47	0.73	0.38	0.49	0.44	0.30	0.28	0.32	0.86	0.50	0.69	0.49	0.75	0.70
9	5	5	0.40	0.81	0.31	0.73	0.34	0.28	0.36	0.37	0.45	0.40	0.57	0.31	0.41	0.38	0.27	0.25	0.29	0.80	0.33	0.69	0.49	0.81	0.76
9	5	6	0.31	0.81	0.27	0.69	0.15	0.26	0.27	0.28	0.36	0.30	0.49	0.26	0.31	0.33	0.24	0.22	0.37	0.65	0.28	0.65	0.41	0.81	0.76
9	5	7	0.18	0.63	0.23	0.67	0.02	0.36	0.19	0.13	0.24	0.17	0.42	0.24	0.19	0.31	0.20	0.18	0.40	0.47	0.16	0.58	0.30	0.63	0.56
9	5	8	0.18	0.60	0.16	0.61	0.00	0.29	0.12	0.01	0.23	0.17	0.39	0.25	0.19	0.32	0.13	0.11	0.27	0.39	0.10	0.57	0.29	0.60	0.51
9	5	9	0.31	0.54	0.12	0.58	0.00	0.24	0.07	0.00	0.37	0.31	0.39	0.27	0.32	0.34	0.09	0.07	0.14	0.46	0.09	0.64	0.35	0.54	0.46
9	5	10	0.36	0.49	0.06	0.56	0.00	0.19	0.03	0.00	0.41	0.35	0.36	0.31	0.37	0.38	0.07	0.05	0.08	0.59	0.18	0.65	0.41	0.49	0.39
9	5	11	0.31	0.37	0.05	0.52	0.00	0.14	0.01	0.00	0.36	0.30	0.31	0.29	0.32	0.36	0.06	0.04	0.05	0.58	0.27	0.64	0.45	0.36	0.26
9	5	12	0.30	0.29	0.05	0.44	0.00	0.11	0.00	0.00	0.36	0.29	0.33	0.30	0.31	0.36	0.05	0.04	0.07	0.56	0.21	0.62	0.48	0.29	0.18

Month	Day	Hour	Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
8	30	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	30	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
8	31	6	0.00	0.02	0.16	0.02	0.02	0.00	0.01	0.02	0.01	0.00	0.05	0.06	0.04	0.05	0.02	0.04	0.23	0.14	0.10	0.27	1.00	1.00	1.00
8	31	7	0.02	0.24	0.48	0.23	0.33	0.20	0.28	0.34	0.30	0.41	0.39	0.48	0.37	0.39	0.39	0.37	0.52	0.50	0.43	0.59	1.00	1.00	1.00
8	31	8	0.23	0.49	0.69	0.48	0.60	0.45	0.40	0.60	0.61	0.73	0.70	0.72	0.68	0.61	0.64	0.68	0.71	0.68	0.63	0.77	1.00	1.00	1.00
8	31	9	0.46	0.68	0.79	0.67	0.79	0.70	0.63	0.74	0.83	0.86	0.86	0.83	0.80	0.80	0.79	0.79	0.78	0.80	0.65	0.80	1.00	1.00	1.00
8	31	10	0.63	0.79	0.81	0.77	0.86	0.80	0.79	0.81	0.93	0.95	0.90	0.89	0.88	0.85	0.82	0.87	0.81	0.85	0.68	0.79	1.00	1.00	1.00
8	31	11	0.71	0.83	0.80	0.81	0.73	0.84	0.80	0.87	0.96	0.97	0.81	0.92	0.90	0.92	0.84	0.89	0.85	0.85	0.72	0.84	1.00	1.00	1.00
8	31	12	0.72	0.81	0.68	0.79	0.70	0.84	0.73	0.88	0.95	0.90	0.73	0.90	0.90	0.87	0.79	0.89	0.83	0.81	0.80	0.56	1.00	1.00	1.00
8	31	13	0.67	0.74	0.65	0.73	0.56	0.84	0.75	0.82	0.94	0.80	0.61	0.76	0.86	0.74	0.67	0.86	0.69	0.77	0.76	0.57	1.00	1.00	1.00
8	31	14	0.58	0.65	0.61	0.63	0.70	0.81	0.70	0.86	0.92	0.63	0.52	0.30	0.75	0.51	0.65	0.74	0.66	0.70	0.71	0.51	1.00	1.00	1.00
8	31	15	0.50	0.59	0.57	0.58	0.68	0.79	0.73	0.81	0.89	0.55	0.41	0.27	0.59	0.46	0.69	0.58	0.64	0.65	0.68	0.53	1.00	1.00	1.00
8	31	16	0.43	0.55	0.49	0.54	0.75	0.75	0.72	0.78	0.77	0.52	0.32	0.49	0.52	0.54	0.52	0.52	0.70	0.61	0.48	0.37	1.00	1.00	1.00
8	31	17	0.24	0.38	0.39	0.38	0.62	0.61	0.58	0.64	0.64	0.49	0.24	0.08	0.35	0.38	0.32	0.34	0.49	0.45	0.33	0.22	1.00	1.00	1.00
8	31	18	0.05	0.16	0.19	0.15	0.38	0.34	0.32	0.31	0.28	0.17	0.10	0.00	0.13	0.21	0.05	0.12	0.30	0.20	0.12	0.01	1.00	1.00	1.00
8	31	19	0.00	0.01	0.02	0.01	0.05	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	1.00	1.00	1.00
8	31	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
8	31	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	1	6	0.00	0.02	0.15	0.02	0.03	0.01	0.01	0.03	0.01	0.01	0.06	0.03	0.04	0.05	0.03	0.04	0.21	0.10	0.12	0.33	1.00	1.00	1.00
9	1	7	0.02	0.27	0.47	0.26	0.43	0.31	0.32	0.38	0.31	0.43	0.47	0.46	0.39	0.45	0.44	0.39	0.48	0.44	0.44	0.65	1.00	1.00	1.00
9	1	8	0.24	0.53	0.70	0.52	0.71	0.61	0.60	0.64	0.62	0.71	0.69	0.74	0.70	0.69	0.69	0.69	0.61	0.66	0.69	0.87	1.00	1.00	1.00
9	1	9	0.48	0.70	0.82	0.69	0.85	0.77	0.75	0.74	0.82	0.84	0.87	0.85	0.84	0.81	0.82	0.83	0.73	0.81	0.81	0.87	1.00	1.00	1.00
9	1	10	0.65	0.82	0.84	0.80	0.92	0.84	0.82	0.86	0.92	0.94	0.92	0.87	0.91	0.89	0.87	0.90	0.71	0.83	0.82	0.78	1.00	1.00	1.00
9	1	11	0.68	0.80	0.85	0.78	0.95	0.87	0.85	0.89	0.96	0.94	0.85	0.40	0.93	0.81	0.79	0.92	0.77	0.79	0.80	0.82	1.00	1.00	1.00
9	1	12	0.69	0.77	0.84	0.76	0.96	0.87	0.85	0.89	0.97	0.88	0.84	0.23	0.85	0.69	0.75	0.85	0.71	0.79	0.83	0.72	1.00	1.00	1.00
9	1	13	0.68	0.74	0.73	0.73	0.95	0.86	0.84	0.89	0.96	0.94	0.84	0.17	0.81	0.56	0.61	0.80	0.63	0.67	0.76	0.54	1.00	1.00	1.00
9	1	14	0.64	0.72	0.72	0.71	0.93	0.84	0.82	0.85	0.94	0.73	0.75	0.57	0.64	0.53	0.58	0.63	0.66	0.61	0.77	0.60	1.00	1.00	1.00
9	1	15	0.60	0.70	0.68	0.69	0.90	0.81	0.80	0.83	0.91	0.56	0.70	0.80	0.55	0.68	0.61	0.54	0.59	0.50	0.67	0.63	1.00	1.00	1.00
9	1	16	0.47	0.61	0.54	0.60	0.85	0.75	0.73	0.78	0.84	0.57	0.63	0.77	0.44	0.65	0.42	0.44	0.44	0.46	0.51	0.42	1.00	1.00	1.00
9	1	17	0.29	0.46	0.41	0.46	0.72	0.62	0.59	0.65	0.66	0.48	0.57	0.53	0.39	0.43	0.36	0.39	0.52	0.42	0.26	0.30	1.00	1.00	1.00
9	1	18	0.06	0.18	0.16	0.17	0.41	0.35	0.32	0.28	0.26	0.19	0.11	0.24	0.16	0.17	0.09	0.16	0.32	0.14	0.09	0.02	1.00	1.00	1.00
9	1	19	0.00	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
9	1	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	1	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	2	6	0.00	0.04	0.17	0.04	0.05	0.01	0.01	0.04	0.02	0.03	0.10	0.18	0.11	0.05	0.01	0.11	0.18	0.10	0.20	0.36	1.00	1.00	1.00
9	2	7	0.02	0.28	0.50	0.27	0.44	0.32	0.31	0.39	0.36	0.45	0.51	0.55	0.49	0.39	0.33	0.49	0.46	0.45	0.55	0.72	1.00	1.00	1.00
9	2	8	0.24	0.53	0.72	0.52	0.71	0.62	0.60	0.66	0.67	0.75	0.75	0.74	0.73	0.48	0.68	0.72	0.63	0.67	0.76	0.93	1.00	1.00	1.00
9	2	9	0.47	0.69	0.86	0.68	0.85	0.78	0.76	0.79	0.84	0.89	0.86	0.86	0.85	0.60	0.73	0.84	0.76	0.77	0.86	1.00	1.00	1.00	1.00
9	2	10	0.63	0.79	0.91	0.78	0.92	0.85	0.83	0.86	0.92	0.95	0.86	0.92	0.91	0.76	0.68	0.91	0.79	0.81	0.92	0.97	1.00	1.00	1.00
9	2	11	0.73	0.85	0.83	0.84	0.95	0.88	0.85	0.89	0.95	0.97	0.85	0.94	0.93	0.90	0.74	0.93	0.48	0.75	0.94	0.89	1.00	1.00	1.00
9	2	12	0.77	0.85	0.84	0.84	0.95	0.88	0.86	0.90	0.96	0.95	0.80	0.91	0.94	0.93	0.62	0.93	0.46	0.74	0.91	0.94	1.00	1.00	1.00
9	2	13	0.75	0.83	0.83	0.82	0.95	0.86	0.85	0.89	0.96	0.79	0.77	0.70	0.93	0.93	0.76	0.93	0.47	0.75	0.86	0.96	1.00	1.00	1.00
9	2	14	0.68	0.76	0.75	0.75	0.93	0.84	0.83	0.87	0.95	0.78	0.55	0.40	0.92	0.91	0.68	0.91	0.31	0.67	0.88	0.81	1.00	1.00	1.00
9	2	15	0.61	0.72	0.70	0.70	0.90	0.81	0.80	0.85	0.91	0.73	0.51	0.34	0.86	0.88	0.76	0.85	0.46	0.56	0.78	0.74	1.00	1.00	1.00
9	2	16	0.49	0.64	0.65	0.63	0.86	0.75	0.73	0.78	0.84	0.78	0.51	0.36	0.62	0.79	0.78	0.61	0.50	0.57	0.63	0.65	1.00	1.00	1.00
9	2	17	0.31	0.50	0.44	0.49	0.72	0.61	0.57	0.63	0.67	0.56	0.50	0.53	0.52	0.58	0.58	0.52	0.36	0.46	0.39	0.35	1.00	1.00	1.00
9	2	18	0.06	0.19	0.16	0.19	0.40	0.34	0.31	0.26	0.32	0.22	0.04	0.29	0.18	0.28	0.25	0.18	0.17	0.19	0.14	0.02	1.00	1.00	1.00
9	2	19	0.00	0.01	0.01	0.01	0.06	0.00	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
9	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	2	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	3	6	0.00	0.04	0.21	0.04	0.03	0.01	0.01	0.04	0.02	0.06	0.10	0.16	0.11	0.07	0.03	0.11	0.27	0.20	0.17	0.39	1.00	1.00	1.00
9	3	7	0.02	0.29	0.54	0.28	0.43	0.32	0.32	0.38	0.37	0.44	0.51	0.54	0.48	0.48	0.45	0.48	0.57	0.54	0.52	0.73	1.00	1.00	1.00
9	3	8	0.25	0.55	0.75	0.54	0.71	0.62	0.60	0.66	0.67	0.74	0.75	0.76	0.73	0.73	0.70	0.72	0.70	0.73	0.73	0.93	1.00	1.00	1.00
9	3	9	0.49	0.72	0.88	0.71	0.85	0.78	0.75	0.79	0.83	0.88	0.85	0.88	0.84	0.86	0.82	0.84	0.82	0.81	0.86	1.00	1.00	1.00	1.00
9	3	10	0.65	0.82	0.94	0.80	0.92	0.86	0.84	0.85	0.92	0.95	0.85	0.93	0.92	0.92	0.82	0.92	0.85	0.86	0.92	1.00	1.00	1.00	1.00
9	3	11	0.75	0.87	0.94	0.85	0.95	0.88	0.86	0.86	0.96	0.96	0.84	0.95	0.95	0.94	0.94	0.94	0.79	0.83	0.94	1.00	1.00	1.00	1.00
9	3	12	0.76	0.85	0.88	0.83	0.95	0.89	0.87	0.87	0.96	0.74	0.72	0.84	0.94	0.93	0.94	0.93	0.64	0.71	0.94	0.99	1.00	1.00	1.00
9	3	13	0.70	0.77	0.86	0.75	0.95	0.88	0.85	0.82	0.96	0.63	0.54	0.66	0.84	0.77	0.78	0.83	0.56	0.72	0.93	1.00	1.00	1.00	1.00
9	3	14	0.68	0.76	0.84	0.75	0.93	0.85	0.83	0.85	0.95	0.72	0.44	0.70	0.88	0.74	0.80	0.88	0.71	0.66	0.90	0.84	1.00	1.00	1.00
9	3	15	0.60	0.71	0.78	0.69	0.90	0.83	0.81	0.79	0.92	0.66	0.49	0.43	0.80	0.76	0.85	0.80	0.55	0.64	0.80	0.90	1.00	1.00	1.00
9	3	16	0.49	0.63	0.65	0.62	0.85	0.76	0.74	0.77	0.83	0.51	0.48	0.68	0.71	0.69	0.67	0.70	0.69	0.51	0.70	0.65	1.00	1.00	1.00
9	3	17	0.29	0.47	0.41	0.46	0.70	0.57	0.58	0.60	0.66	0.45	0.47	0.46	0.48	0.58	0.52	0.48	0.57	0.35	0.48	0.36	1.00	1.00	1.00
9	3	18	0.05	0.18	0.13	0.18	0.38	0.30	0.31	0.26	0.26	0.09	0.08	0.27	0.27	0.27	0.23	0.27	0.27	0.13	0.17	0.02	1.00	1.00	1.00
9	3	19	0.00	0.01	0.00	0.01	0.05	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
9	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	4	6	0.00	0.03	0.19	0.03	0.03	0.01	0.01	0.04	0.01	0.05	0.07	0.17	0.07	0.04	0.03	0.07	0.23	0.16	0.15	0.36	1.00	1.00	1.00
9	4	7	0.02	0.27	0.52	0.27	0.43	0.30	0.32	0.38	0.29	0.45	0.50	0.54	0.43	0.44	0.43	0.43	0.54	0.52	0.49	0.71	1.00	1.00	1.00
9	4	8	0.25	0.54	0.73	0.53	0.71	0.53	0.61	0.66	0.65	0.75	0.75	0.74	0.72	0.69	0.72	0.71	0.66	0.69	0.71	0.93	1.00	1.00	1.00
9	4	9	0.49	0.72	0.87	0.71	0.86	0.65	0.77	0.81	0.85	0.90	0.89	0.86	0.84	0.85	0.86	0.83	0.75	0.79	0.86	1.00	1.00	1.00	1.00
9	4	10	0.67	0.84	0.93	0.82	0.87	0.81	0.86	0.90	0.95	0.98	0.96	0.93	0.91	0.92	0.93	0.91	0.78	0.83	0.90	1.00	1.00	1.00	1.00
9	4	11	0.77	0.89	0.90	0.88	0.85	0.89	0.90	0.93	0.99	1.00	0.98	0.95	0.94	0.93	0.96	0.93	0.57	0.86	0.86	1.00	1.00	1.00	1.00
9	4	12	0.81	0.91	0.90	0.89	0.90	0.90	0.91	0.94	1.00	1.00	0.97	0.96	0.85	0.93	0.94	0.84	0.70	0.80	0.82	0.99	1.00	1.00	1.00
9	4	13	0.79	0.87	0.91	0.86	0.82	0.89	0.90	0.93	0.99	1.00	0.98	0.95	0.64	0.93	0.83	0.63	0.87	0.77	0.73	0.98	1.00	1.00	1.00
9	4	14	0.73	0.82	0.82	0.80	0.76	0.89	0.88	0.92	0.97	1.00	0.96	0.93	0.54	0.77	0.73	0.53	0.84	0.80	0.52	0.81	1.00	1.00	1.00
9	4	15	0.63	0.75	0.76	0.73	0.68	0.86	0.85	0.88	0.94	0.97	0.89	0.84	0.57	0.73	0.49	0.56	0.75	0.71	0.52	0.75	1.00	1.00	1.00
9	4	16	0.46	0.60	0.67	0.59	0.59	0.78	0.76	0.81	0.85	0.87	0.77	0.54	0.33	0.53	0.41	0.32	0.69	0.68	0.41	0.64	1.00	1.00	1.00
9	4	17	0.27	0.43	0.50	0.42	0.50	0.62	0.59	0.65	0.66	0.67	0.65	0.32	0.26	0.30	0.32	0.26	0.53	0.55	0.34	0.35	1.00	1.00	1.00
9	4	18	0.04	0.14	0.17	0.14	0.31	0.31	0.24	0.24	0.27	0.08	0.08	0.18	0.13	0.14	0.16	0.13	0.24	0.25	0.11	0.02	1.00	1.00	1.00
9	4	19	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
9	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	5	6	0.00	0.03	0.15	0.03	0.02	0.00	0.01	0.03	0.01	0.07	0.12	0.15	0.10	0.03	0.04	0.10	0.18	0.15	0.12	0.35	1.00	1.00	1.00
9	5	7	0.02	0.27	0.49	0.27	0.41	0.23	0.31	0.39	0.27	0.47	0.53	0.54	0.51	0.29	0.46	0.51	0.51	0.49	0.48	0.67	1.00	1.00	1.00
9	5	8	0.25	0.52	0.74	0.51	0.71	0.46	0.61	0.67	0.55	0.77	0.78	0.75	0.74	0.56	0.70	0.74	0.70	0.72	0.73	0.88	1.00	1.00	1.00
9	5	9	0.50	0.73	0.86	0.71	0.88	0.65	0.77	0.82	0.83	0.94	0.91	0.89	0.85	0.82	0.85	0.84	0.71	0.83	0.86	0.95	1.00	1.00	1.00
9	5	10	0.68	0.85	0.90	0.83	0.95	0.77	0.85	0.91	0.94	1.00	0.98	0.96	0.93	0.88	0.95	0.92	0.69	0.90	0.89	0.94	1.00	1.00	1.00
9	5	11	0.79	0.91	0.91	0.89	0.98	0.83	0.88	0.94	1.00	1.00	1.00	0.99	0.96	0.91	0.98	0.95	0.81	0.89	0.82	0.91	1.00	1.00	1.00
9	5	12	0.84	0.93	0.90	0.92	0.97	0.84	0.90	0.95	1.00	1.00	1.00	0.98	0.93	0.96	0.98	0.92	0.72	0.91	0.84	0.84	1.00	1.00	1.00

Based on 2007 Weather

			Wind																						
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx
9	5	13	0.30	0.26	0.03	0.37	0.00	0.14	0.00	0.01	0.35	0.29	0.44	0.37	0.31	0.44	0.07	0.05	0.13	0.50	0.15	0.60	0.56	0.26	0.15
9	5	14	0.27	0.23	0.02	0.32	0.00	0.15	0.00	0.06	0.32	0.26	0.55	0.46	0.28	0.52	0.09	0.07	0.24	0.43	0.32	0.59	0.69	0.23	0.13
9	5	15	0.21	0.34	0.07	0.30	0.00	0.12	0.00	0.14	0.26	0.20	0.62	0.57	0.22	0.62	0.12	0.10	0.34	0.24	0.38	0.59	0.75	0.34	0.23
9	5	16	0.19	0.40	0.19	0.30	0.00	0.11	0.00	0.21	0.25	0.18	0.68	0.64	0.20	0.68	0.15	0.13	0.19	0.16	0.26	0.58	0.77	0.40	0.29
9	5	17	0.28	0.47	0.38	0.31	0.00	0.10	0.00	0.29	0.33	0.27	0.75	0.64	0.29	0.68	0.21	0.19	0.20	0.19	0.32	0.57	0.73	0.47	0.37
9	5	18	0.44	0.51	0.55	0.35	0.07	0.09	0.00	0.35	0.48	0.43	0.82	0.67	0.45	0.71	0.30	0.27	0.24	0.28	0.50	0.54	0.65	0.51	0.41
9	5	19	0.54	0.36	0.67	0.53	0.29	0.03	0.01	0.37	0.58	0.53	0.74	0.60	0.54	0.64	0.37	0.35	0.16	0.40	0.20	0.48	0.70	0.36	0.26
9	5	20	0.52	0.34	0.74	0.59	0.38	0.02	0.01	0.31	0.56	0.52	0.70	0.61	0.53	0.65	0.46	0.45	0.11	0.37	0.12	0.45	0.74	0.34	0.24
9	5	21	0.43	0.50	0.68	0.58	0.29	0.16	0.00	0.24	0.47	0.42	0.75	0.63	0.44	0.67	0.54	0.52	0.23	0.28	0.19	0.46	0.78	0.50	0.40
9	5	22	0.38	0.54	0.67	0.63	0.23	0.19	0.00	0.16	0.43	0.37	0.72	0.49	0.39	0.55	0.56	0.54	0.35	0.18	0.19	0.43	0.75	0.54	0.45
9	5	23	0.29	0.58	0.68	0.62	0.22	0.31	0.00	0.08	0.34	0.28	0.60	0.35	0.30	0.41	0.51	0.49	0.48	0.10	0.15	0.46	0.72	0.58	0.50
9	5	24	0.25	0.60	0.68	0.59	0.24	0.22	0.00	0.02	0.30	0.24	0.46	0.38	0.26	0.44	0.40	0.38	0.52	0.11	0.13	0.51	0.61	0.60	0.52
9	6	1	0.21	0.67	0.65	0.56	0.23	0.13	0.00	0.00	0.27	0.20	0.39	0.39	0.22	0.45	0.31	0.29	0.50	0.11	0.17	0.45	0.56	0.67	0.59
9	6	2	0.15	0.60	0.67	0.55	0.14	0.05	0.00	0.00	0.20	0.14	0.31	0.36	0.15	0.42	0.27	0.24	0.49	0.10	0.07	0.37	0.40	0.60	0.52
9	6	3	0.07	0.49	0.68	0.55	0.03	0.03	0.00	0.00	0.12	0.06	0.28	0.36	0.08	0.43	0.25	0.22	0.34	0.06	0.10	0.29	0.31	0.49	0.41
9	6	4	0.01	0.63	0.63	0.53	0.00	0.02	0.00	0.00	0.07	0.01	0.26	0.36	0.02	0.43	0.23	0.20	0.27	0.04	0.23	0.25	0.18	0.63	0.56
9	6	5	0.00	0.73	0.61	0.52	0.00	0.01	0.00	0.00	0.05	0.00	0.25	0.32	0.01	0.39	0.20	0.17	0.25	0.05	0.27	0.22	0.15	0.73	0.66
9	6	6	0.02	0.65	0.55	0.52	0.00	0.02	0.00	0.00	0.07	0.01	0.24	0.26	0.03	0.33	0.17	0.15	0.25	0.04	0.36	0.16	0.12	0.65	0.57
9	6	7	0.03	0.45	0.42	0.47	0.00	0.00	0.00	0.00	0.08	0.02	0.23	0.19	0.04	0.26	0.13	0.11	0.19	0.03	0.23	0.13	0.03	0.45	0.36
9	6	8	0.01	0.45	0.26	0.33	0.00	0.01	0.00	0.00	0.06	0.00	0.23	0.13	0.02	0.20	0.06	0.04	0.13	0.03	0.45	0.11	0.00	0.45	0.35
9	6	9	0.00	0.39	0.14	0.23	0.00	0.00	0.00	0.01	0.06	0.00	0.23	0.11	0.01	0.19	0.04	0.03	0.12	0.04	0.66	0.05	0.01	0.39	0.29
9	6	10	0.00	0.35	0.04	0.21	0.00	0.00	0.02	0.03	0.06	0.00	0.20	0.13	0.01	0.20	0.05	0.03	0.09	0.04	0.69	0.03	0.04	0.35	0.24
9	6	11	0.00	0.31	0.00	0.16	0.00	0.00	0.04	0.03	0.04	0.00	0.16	0.13	0.00	0.20	0.05	0.04	0.08	0.04	0.77	0.03	0.08	0.31	0.21
9	6	12	0.00	0.29	0.00	0.11	0.00	0.00	0.07	0.02	0.02	0.00	0.18	0.16	0.00	0.23	0.05	0.04	0.08	0.02	0.83	0.04	0.10	0.29	0.18
9	6	13	0.00	0.32	0.00	0.07	0.00	0.00	0.11	0.01	0.02	0.00	0.27	0.30	0.00	0.37	0.05	0.04	0.08	0.02	0.91	0.07	0.16	0.32	0.21
9	6	14	0.00	0.38	0.00	0.04	0.00	0.02	0.11	0.01	0.02	0.00	0.46	0.39	0.00	0.45	0.05	0.03	0.08	0.02	0.94	0.08	0.27	0.38	0.27
9	6	15	0.02	0.45	0.00	0.03	0.05	0.02	0.06	0.09	0.07	0.01	0.58	0.46	0.03	0.52	0.04	0.02	0.09	0.02	0.89	0.12	0.24	0.45	0.35
9	6	16	0.10	0.60	0.00	0.02	0.28	0.05	0.03	0.23	0.16	0.09	0.62	0.48	0.11	0.53	0.03	0.02	0.08	0.03	0.83	0.13	0.32	0.60	0.50
9	6	17	0.26	0.41	0.00	0.03	0.56	0.23	0.01	0.36	0.31	0.25	0.63	0.51	0.27	0.55	0.03	0.02	0.09	0.04	0.73	0.14	0.67	0.41	0.31
9	6	18	0.40	0.31	0.02	0.08	0.78	0.58	0.01	0.37	0.45	0.39	0.66	0.60	0.41	0.65	0.04	0.02	0.13	0.06	0.61	0.05	0.68	0.31	0.21
9	6	19	0.41	0.31	0.12	0.15	0.88	0.90	0.00	0.27	0.45	0.40	0.71	0.58	0.41	0.63	0.07	0.06	0.16	0.10	0.53	0.10	0.77	0.31	0.20
9	6	20	0.37	0.40	0.31	0.22	0.90	0.84	0.00	0.19	0.42	0.36	0.75	0.50	0.38	0.55	0.10	0.08	0.15	0.07	0.45	0.19	0.54	0.40	0.29
9	6	21	0.29	0.45	0.39	0.22	0.90	0.76	0.00	0.17	0.34	0.28	0.74	0.42	0.30	0.48	0.07	0.05	0.08	0.07	0.37	0.30	0.59	0.45	0.34
9	6	22	0.25	0.40	0.40	0.21	0.91	0.79	0.00	0.14	0.30	0.24	0.67	0.39	0.26	0.45	0.05	0.03	0.05	0.07	0.28	0.30	0.67	0.40	0.30
9	6	23	0.27	0.43	0.32	0.24	0.91	0.76	0.00	0.12	0.32	0.26	0.56	0.37	0.28	0.44	0.04	0.03	0.05	0.06	0.26	0.26	0.72	0.43	0.32
9	6	24	0.26	0.38	0.31	0.26	0.90	0.81	0.00	0.08	0.32	0.26	0.45	0.35	0.27	0.42	0.04	0.03	0.04	0.04	0.20	0.24	0.66	0.38	0.27
9	7	1	0.21	0.40	0.31	0.29	0.88	0.89	0.00	0.03	0.27	0.20	0.36	0.34	0.22	0.41	0.05	0.03	0.05	0.02	0.15	0.26	0.58	0.40	0.30
9	7	2	0.10	0.46	0.30	0.27	0.86	0.88	0.00	0.00	0.15	0.09	0.37	0.35	0.11	0.42	0.07	0.05	0.05	0.01	0.12	0.29	0.55	0.46	0.36
9	7	3	0.02	0.53	0.29	0.23	0.84	0.83	0.00	0.00	0.07	0.01	0.30	0.31	0.03	0.38	0.07	0.05	0.03	0.00	0.07	0.30	0.54	0.53	0.43
9	7	4	0.00	0.54	0.28	0.20	0.81	0.79	0.00	0.00	0.04	0.00	0.25	0.14	0.00	0.21	0.05	0.03	0.02	0.00	0.04	0.19	0.48	0.54	0.44
9	7	5	0.00	0.49	0.27	0.17	0.78	0.57	0.00	0.00	0.02	0.00	0.22	0.12	0.00	0.20	0.05	0.03	0.01	0.00	0.02	0.09	0.48	0.49	0.40
9	7	6	0.00	0.51	0.24	0.14	0.74	0.48	0.00	0.00	0.01	0.00	0.18	0.05	0.00	0.11	0.05	0.04	0.01	0.00	0.01	0.05	0.43	0.51	0.41
9	7	7	0.00	0.55	0.19	0.09	0.66	0.46	0.00	0.00	0.00	0.00	0.10	0.04	0.00	0.11	0.06	0.04	0.02	0.00	0.00	0.05	0.24	0.55	0.45
9	7	8	0.00	0.50	0.10	0.02	0.52	0.17	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.08	0.05	0.04	0.01	0.00	0.00	0.03	0.09	0.49	0.40
9	7	9	0.00	0.46	0.06	0.01	0.41	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.01	0.00	0.01	0.03	0.02	0.46	0.36
9	7	10	0.00	0.40	0.01	0.01	0.30	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.04	0.02	0.00	0.02	0.06	0.00	0.40	0.30
9	7	11	0.00	0.34	0.00	0.01	0.18	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.06	0.04	0.00	0.04	0.09	0.00	0.34	0.23
9	7	12	0.00	0.26	0.00	0.02	0.12	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.09	0.06	0.00	0.09	0.15	0.03	0.26	0.15
9	7	13	0.00	0.21	0.05	0.03	0.09	0.03	0.00	0.08	0.01	0.00	0.02	0.00	0.00	0.03	0.12	0.10	0.09	0.00	0.14	0.22	0.09	0.21	0.10
9	7	14	0.00	0.19	0.13	0.04	0.08	0.04	0.00	0.13	0.04	0.00	0.10	0.00	0.00	0.04	0.13	0.11	0.12	0.00	0.19	0.24	0.12	0.19	0.08
9	7	15	0.01	0.17	0.15	0.05	0.10	0.08	0.00	0.16	0.07	0.01	0.26	0.00	0.02	0.04	0.17	0.15	0.14	0.00	0.25	0.25	0.50	0.17	0.07
9	7	16	0.04	0.19	0.08	0.06	0.15	0.12	0.00	0.18	0.09	0.03	0.38	0.00	0.05	0.05	0.25	0.23	0.16	0.00	0.31	0.24	0.79	0.19	0.10
9	7	17	0.05	0.39	0.09	0.09	0.26	0.18	0.00	0.19	0.11	0.04	0.43	0.07	0.06	0.14	0.31	0.29	0.16	0.00	0.35	0.24	0.67	0.39	0.28
9	7	18	0.12	0.40	0.22	0.15	0.46	0.26	0.00	0.20	0.18	0.11	0.43	0.23	0.13	0.31	0.36	0.34	0.15	0.02	0.36	0.33	0.63	0.41	0.29
9	7	19	0.33	0.28	0.43	0.27	0.69	0.48	0.00	0.18	0.38	0.32	0.40	0.29	0.34	0.37	0.46	0.44	0.17	0.08	0.40	0.27	0.52	0.28	0.17
9	7	20	0.41	0.24	0.47	0.31	0.79	0.73	0.00	0.18	0.46	0.40	0.30	0.28	0.42	0.35	0.45	0.43	0.22	0.26	0.43	0.39	0.28	0.24	0.14
9	7	21	0.40	0.20	0.47	0.26	0.80	0.78	0.00	0.16	0.45	0.39	0.19	0.28	0.41	0.34	0.34	0.32	0.57	0.48	0.44	0.45	0.18	0.20	0.09
9	7	22	0.31	0.18	0.39	0.21	0.79	0.74	0.00	0.10	0.36	0.30	0.13	0.30	0.32	0.37	0.25	0.23	0.78	0.62	0.43	0.23	0.15	0.18	0.08
9	7	23	0.24	0.26	0.27	0.23	0.77	0.71	0.00	0.07	0.29	0.23	0.16	0.35	0.25	0.42	0.23	0.20	0.77	0.61	0.48	0.11	0.25	0.26	0.15
9	7	24	0.20	0.28	0.12	0.23	0.75	0.62	0.00	0.04	0.25	0.19	0.07	0.25	0.20	0.31	0.21	0.19	0.75	0.57	0.49	0.08	0.21	0.28	0.16
9	8	1	0.18	0.24	0.07	0.21	0.72	0.64	0.00	0.01	0.23	0.17	0.04	0.27	0.19	0.34	0.21	0.18	0.74	0.52	0.50	0.08	0.16	0.24	0.13
9	8	2	0.15	0.24	0.08	0.16	0.69	0.62	0.00	0.00	0.21	0.14	0.02	0.30	0.16	0.37	0.19	0.17	0.75	0.50	0.48	0.03	0.14	0.24	0.14
9	8	3	0.10	0.24	0.10	0.13	0.65	0.61	0.00	0.00	0.16	0.09	0.01	0.19	0.11	0.26	0.17	0.15	0.74	0.52	0.42	0.00	0.12	0.24	0.13
9	8	4	0.04	0.18	0.10	0.11	0.60	0.49	0.00	0.00	0.10	0.03	0.02	0.10	0.05	0.17	0.18	0.15	0.66	0.50	0.43	0.00	0.06	0.18	0.08
9	8	5	0.02	0.16	0.08	0.11	0.54	0.40	0.00	0.00	0.08	0.02	0.03	0.13	0.03	0.21	0.16	0.14	0.53	0.44	0.47	0.00	0.04	0.16	0.06
9	8	6	0.01	0.11	0.05	0.12	0.45	0.31	0.00	0.00	0.07	0.00	0.04	0.13	0.02	0.20	0.15	0.13	0.43	0.38	0.44	0.00	0.00	0.11	0.03
9	8	7	0.00	0.09	0.02	0.09	0.28	0.23	0.00	0.00	0.04	0.00	0.01	0.06	0.00	0.13	0.15	0.13	0.31	0.22	0.27	0.00	0.00	0.09	0.01
9	8	8	0.00	0.08	0.00	0.07	0.09	0.09	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.10	0.12	0.10	0.17	0.10	0.23	0.00	0.00	0.08	0.00
9	8	9	0.00	0.06	0.00	0.05	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.11	0.09	0.13	0.06	0.26	0.00	0.00	0.06	0.00
9	8	10	0.00	0.04	0.03	0.04	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.08	0.12	0.03	0.29	0.00	0.03	0.04	0.00
9	8	11	0.00	0.03	0.02	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.09	0.10	0.02	0.25	0.00	0.08	0.03	0.00
9	8	12	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.10	0.09	0.02	0.22	0.00	0.07	0.02	0.00
9	8	13	0.00	0.04	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.13	0.11	0.07	0.02	0.25	0.00	0.22	0.04	0.00
9	8	14	0.00	0.19	0.01	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.05	0.14	0.12	0.08	0.01	0.29	0.05	0.36	0.19	0.08
9	8	15	0.00	0.33	0.02	0.01	0.02	0.04	0.00	0.02	0.02	0.00	0.11	0.00	0.00	0.06	0.16	0.14	0.11	0.01	0.32	0.19	0.13	0.33	0.22
9	8	16	0.00	0.51	0.03	0.01	0.14	0.06	0.00	0.06	0.04	0.00	0.26	0.04	0.00	0.10	0.18	0.16	0.13	0.01	0.41	0.15	0.05	0.51	0.40
9	8	17	0.04	0.41	0.04	0.03	0.38	0.12	0.00	0.13	0.10	0.03	0.35	0.23	0.05	0.31	0.21	0.18	0.16	0.04	0.43	0.05	0.01	0.41	0.30
9	8	18	0.16	0.20	0.04	0.08	0.63	0.22	0.00	0.21	0.22	0.15	0.36	0.34	0.17	0.41	0.23	0.21	0.20	0.14	0.42	0.08	0.15	0.20	0.10
9	8	19	0.25	0.19	0.07	0.25	0.81	0.47	0.02	0.25	0.31	0.24	0.33	0.36	0.26	0.42	0.29	0.26	0.25	0.53	0.37	0.17	0.42	0.19	0.09
9	8	20	0.27	0.12	0.08	0.37	0.87	0.63	0.03	0.26	0.32	0.26	0.25	0.36	0.28	0.42	0.27	0.25	0.32	0.49	0.34	0.14	0.23	0.12	0.03
9	8	21	0.35	0.10	0.08	0.33	0.88	0.75	0.04	0.21	0.40	0.34	0.22	0.41	0.36	0.47	0.23	0.21	0.40	0.32	0.37	0.09	0.11	0.10	0.02
9	8	22	0.29	0.18	0.06	0.26	0.87	0.66	0.03	0.14	0.34	0.28	0.24	0.48	0.30	0.54	0.19	0.17	0.54	0.36	0.45	0.09	0.05	0.18	0.07
9	8	23	0.36	0.14	0.03	0.27	0.85	0.62	0.02	0.08	0.41	0.35	0.18	0.50	0.36	0.55	0.17	0.15	0.56	0.45	0.50	0.07	0.03	0.14	0.04
9	8	24	0.33	0.13	0.01	0.27	0.83	0.51	0.00	0.03	0.39	0.32	0.13	0.47	0.34	0.52	0.20	0.17	0.54	0.64	0.53	0.04	0.02	0.13	0.04
9	9	1	0.21	0.14	0.00	0.24	0.80	0.75	0.00	0.01	0.27	0.20	0.10	0.47	0.22	0.53	0.18	0.16	0.56	0.46	0.50	0.02	0.01	0.14	0.04
9	9	2	0.09	0.15	0.00	0.19	0.80	0.65	0.00	0.00	0.14	0.08	0.11	0.43	0.10	0.49	0.18	0.16	0.55	0.26	0.47	0.04	0.00	0.15	0.05
9	9	3	0.04	0.13	0.03	0.15	0.79	0.54	0.00	0.00	0.09	0.03	0.09	0.39	0.05	0.45	0.18	0.15	0.47	0.18	0.48	0.02	0.00	0.13	0.04
9	9	4	0.04	0.15	0.07	0.11	0.79	0.42	0.00	0.00	0.10	0.03	0.06	0.35	0.05	0.41	0.17	0.15	0.41	0.21	0.47	0.00	0.00	0.15	0.05
9	9	5	0.02	0.22	0.07	0.11	0.79	0.38	0.00	0.00	0.08	0.01	0.05	0.33	0.03	0.39	0.17	0.15	0.39	0.21	0.45	0.00	0.02	0.22	0.11
9	9	6	0.00	0.27	0.06	0.12	0.78	0.33	0.00	0.00	0.03	0.00	0.04	0.30	0.00	0.37	0.16	0.14	0.38	0.47	0.40	0.00	0.05	0.27	0.16
9	9	7	0.00	0.31	0.04	0.12	0.75	0.32	0.00	0.00	0.02	0.00	0.02	0.21	0.00	0.28	0.15	0.13	0.35	0.38	0.33	0.00	0.07	0.31	0.19
9	9	8	0.00	0.24	0.00	0.10	0.69	0.12	0.00	0.00	0.04	0.00	0.00	0.12	0.00	0.19	0.14	0.12	0.25	0.21	0.32	0.00	0.04	0.24	0.13
9	9	9	0.00	0.18	0.00	0.08	0.64	0.03	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.08	0.13	0.11	0.24	0.15	0.32	0.00	0.02	0.18	0.07
9	9	10	0.00	0.15	0.04	0.07	0.57	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.13	0.11	0.29	0.19	0.32	0.00	0.03	0.15	0.05
9	9	11	0.02	0.14	0.07	0.06	0.52	0.03	0.00	0.00	0.06	0.01	0.00	0.00	0.02	0.02	0.15	0.13	0.31	0.23	0.22	0.01	0.06	0.14	0.04
9	9	12	0.18	0.14	0.08	0.05	0.50	0.03	0.00	0.00	0.25	0.17	0.01	0.00	0.19	0.04	0.18	0.16	0.29	0.44	0.10	0.05	0.11	0.14	0.05
9	9	13	0.05	0.16	0.10	0.05	0.51	0.04	0.00	0.02	0.10	0.04	0.06	0.00	0.06	0.05	0.22	0.20	0.25	0.68	0.11	0.11	0.16	0.16	0.06
9	9	14	0.15	0.16	0.15	0.05	0.59	0.06	0.00	0.08	0.21	0.14	0.16	0.01	0.16	0.08	0.25	0.23	0.21	0.26	0.31	0.15	0.18	0.16	0.07
9	9	15	0.19	0.29	0.16	0.06	0.70	0.09	0.00	0.16	0.25	0.18	0.32	0.07	0.20	0.14	0.28	0.25	0.22	0.51	0.29	0.12	0.30	0.29	0.19
9	9	16	0.21	0.58	0.16	0.08	0.80	0.15	0.00	0.26	0.27	0.20	0.44	0.22	0.22	0.29	0.29	0.27	0.24	0.39	0.20	0.09	0.35	0.58	0.46
9	9	17	0.32	0.22	0.18	0.12	0.87	0.31	0.00	0.33	0.38	0.32	0.49	0.38	0.33	0.44	0.32	0.30	0.23	0.40	0.18	0.08	0.19	0.22	0.12
9	9	18	0.26	0.06	0.19	0.25	0.90	0.55	0.00	0.36	0.30	0.25	0.48	0.43	0.26	0.49	0.33	0.31	0.27	0.30	0.19	0.07	0.15	0.06	0.01
9	9	19	0.44	0.31	0.21	0.51	0.92	0.90	0.01	0.41	0.49	0.43	0.45	0.47	0.45	0.53	0.36	0.34	0.39	0.22	0.14	0.08	0.04	0.31	0.19
9	9	20	0.62	0.39	0.24	0.56	0.92	0.90	0.02	0.39	0.66	0.61	0.39	0.50	0.62	0.56	0.31	0.28	0.49	0.38	0.12	0.12	0.06	0.39	0.27
9	9	21	0.58	0.20	0.25	0.52	0.91	0.84	0.03	0.31	0.61	0.57	0.31	0.50	0.59	0.56	0.23	0.21	0.59	0.41	0.09	0.12	0.12	0.20	0.09
9	9	22	0.62	0.07	0.20	0.50	0.91	0.77	0.03	0.26	0.66	0.62	0.22	0.45	0.63	0.51	0.19	0.17	0.60	0.41	0.09	0.13	0.24	0.07	0.00
9	9	23	0.65	0.06	0.12	0.44	0.87	0.67	0.02	0.23	0.69	0.65	0.17	0.41	0.66	0.47	0.18	0.16	0.46	0.38	0.09	0.15	0.27	0.06	0.00
9	9	24	0.60	0.05	0.13	0.34	0.86	0.61	0.04	0.20	0.63	0.59	0.12	0.38	0.60	0.44	0.18	0.16	0.31	0.38	0.07	0.12	0.25	0.05	0.00
9	10	1	0.54	0.05	0.19	0.29	0.85	0.69	0.04	0.14	0.58	0.53	0.10	0.37	0.54	0.43	0.17	0.15	0.23	0.36	0.07	0.09	0.16	0.05	0.00
9	10	2	0.46	0.06	0.22	0.25	0.83	0.68	0.05	0.08	0.51	0.46	0.07	0.36	0.47	0.43	0.17	0.15	0.18	0.33	0.07	0.07	0.06	0.06	0.00
9	10	3	0.39	0.05	0.24	0.22	0.81	0.57	0.04	0.03	0.44	0.38	0.05	0.36	0.40	0.43	0.17	0.15	0.17	0.31	0.06	0.09	0.04	0.05	0.00
9	10	4	0.32	0.11	0.28	0.20	0.82	0.65	0.05	0.00	0.37	0.31	0.05	0.30	0.33	0.37	0.18	0.16	0.16	0.28	0.05	0.07	0.03	0.11	0.02
9	10	5	0.29	0.10	0.28	0.20	0.81	0.58	0.06	0.00	0.35	0.28	0.05	0.24	0.30	0.31	0.16	0.14	0.11	0.27	0.05	0.09	0.00	0.10	0.02
9	10	6	0.20	0.09	0.22	0.19	0.80	0.61	0.07	0.00	0.25	0.19	0.05	0.20	0.21	0.28	0.15	0.13	0.09	0.30	0.06	0.09	0.01	0.09	0.01
9	10	7	0.14	0.05	0.12	0.18	0.75	0.41	0.07	0.00	0.20	0.13	0.04	0.05	0.15	0.12	0.15	0.13	0.07	0.23	0.08	0.08	0.04	0.05	0.00
9	10	8	0.13	0.05	0.01	0.14	0.61	0.12	0.06	0.00	0.19	0.12	0.01	0.00	0.14	0.01	0.15	0.12	0.04	0.12	0.10	0.04	0.02	0.05	0.00
9	10	9	0.13	0.04	0.00	0.12	0.46	0.06	0.05	0.00	0.19	0.12	0.00	0.00	0.14	0.01	0.11	0.09	0.04	0.12	0.12	0.00	0.04	0.04	0.00
9	10	10	0.12	0.02	0.00	0.11	0.30	0.03	0.05	0.00	0.18	0.11	0.00	0.00	0.13	0.00	0.11	0.09	0.06	0.16	0.11	0.00	0.01	0.02	0.00
9	10	11	0.12	0.02	0.00	0.10	0.18	0.03	0.06	0.00	0.18	0.11	0.00	0.00	0.13	0.00	0.11	0.09	0.08	0.16	0.10	0.00	0.12	0.02	0.00
9	10	12	0.11	0.06	0.00	0.08	0.10	0.03	0.08	0.00	0.17	0.10	0.00	0.00	0.12	0.01	0.11	0.09	0.10	0.15	0.10	0.10	0.27	0.06	0.00
9	10	13	0.11	0.25	0.00	0.06	0.05	0.04	0.10	0.00	0.17	0.10	0.01	0.00	0.12	0.02	0.11	0.09	0.12	0.16	0.10	0.10	0.24	0.25	0.15
9	10	14	0.13	0.51	0.00	0.05	0.08	0.05	0.13	0.00	0.19	0.12	0.07	0.00	0.14	0.04	0.11	0.09	0.12	0.17	0.11	0.00	0.30	0.51	0.38
9	10	15	0.16	0.18	0.00	0.04	0.18	0.07	0.16	0.01	0.22	0.15	0.17	0.00	0.17	0.05	0.11	0.09	0.10	0.16	0.09	0.00	0.54	0.18	0.09
9	10	16	0.21	0.12	0.00	0.06	0.35	0.09	0.17	0.06	0.26	0.20	0.27	0.00	0.22	0.06	0.11	0.09	0.09	0.16	0.06	0.00	0.59	0.12	0.04
9	10	17	0.25	0.25	0.01	0.10	0.55	0.12	0.21	0.15	0.30	0.24	0.34	0.01	0.26	0.07	0.11	0.09	0.09	0.18	0.05	0.01	0.22	0.25	0.14
9	10	18	0.40	0.25	0.03	0.18	0.73	0.19	0.29	0.33	0.45	0.39	0.35	0.00	0.41	0.05	0.12	0.10	0.09	0.21	0.05	0.06	0.12	0.25	0.14
9	10	19	0.47	0.20	0.08	0.37	0.83	0.51	0.35	0.44	0.52	0.47	0.33	0.07	0.48	0.14	0.14	0.12	0.11	0.26	0.05	0.10	0.02	0.20	0.10
9	10	20	0.47	0.40	0.11	0.41	0.87	0.66	0.38	0.42	0.51	0.46	0.25	0.14	0.47	0.22	0.13	0.11	0.12	0.23	0.05	0.11	0.03	0.40	0.29
9	10	21	0.52	0.51	0.06	0.35	0.88	0.77	0.42	0.37	0.56	0.51	0.16	0.16	0.53	0.24	0.12	0.10	0.10	0.19	0.04	0.13	0.03	0.51	0.40
9	10	22	0.46	0.45	0.00	0.30	0.88	0.70	0.45	0.29	0.50	0.45	0.11	0.19	0.47	0.27	0.11	0.09	0.06	0.14	0.04	0.03	0.04	0.45	0.35
9	10	23	0.38	0.32	0.00	0.27	0.86	0.65	0.46	0.25	0.43	0.37	0.08	0.13	0.39	0.21	0.12	0.10	0.04	0.10	0.07	0.07	0.06	0.32	0.22
9	10	24	0.31	0.34	0.00	0.21	0.84	0.58	0.46	0.22	0.37	0.30	0.06	0.11	0.32	0.19	0.13	0.11	0.03	0.08	0.11	0.13	0.06	0.34	0.22
9	11	1	0.20	0.25	0.00	0.16	0.82	0.80	0.47	0.18	0.26	0.19	0.06	0.08	0.21	0.16	0.12	0.10	0.02	0.06	0.10	0.15	0.02	0.25	0.14
9	11	2	0.12	0.17	0.00	0.13	0.79	0.74	0.46	0.16	0.18	0.11	0.03	0.09	0.13	0.16	0.11	0.09	0.01	0.04	0.09	0.11	0.09	0.17	0.07
9	11	3	0.09	0.17	0.00	0.11	0.76	0.70	0.46	0.13	0.15	0.08	0.03	0.06	0.10	0.13	0.09	0.07	0.00	0.02	0.09	0.06	0.26	0.17	0.07

			Solar																			Geothermal	Biomass	Small Hydro
Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sola	New_Mexico_S	Geothermal	Biomass	Small Hydro
9	5	13	0.82	0.91	0.91	0.89	0.98	0.84	0.88	0.94	1.00	1.00	1.00	0.76	0.88	0.94	0.97	0.87	0.80	0.84	0.81	0.89	1.00	1.00	1.00
9	5	14	0.80	0.90	0.89	0.89	0.91	0.81	0.86	0.92	0.99	1.00	0.99	0.95	0.95	0.93	0.95	0.94	0.74	0.88	0.81	0.81	1.00	1.00	1.00
9	5	15	0.71	0.84	0.80	0.83	0.93	0.75	0.81	0.89	0.94	0.99	0.96	0.93	0.88	0.85	0.91	0.88	0.70	0.82	0.75	0.64	1.00	1.00	1.00
9	5	16	0.56	0.73	0.71	0.72	0.86	0.66	0.71	0.80	0.87	0.90	0.87	0.84	0.82	0.75	0.80	0.81	0.72	0.77	0.58	0.58	1.00	1.00	1.00
9	5	17	0.32	0.52	0.50	0.51	0.72	0.46	0.50	0.63	0.67	0.70	0.67	0.65	0.59	0.56	0.57	0.58	0.56	0.60	0.38	0.26	1.00	1.00	1.00
9	5	18	0.05	0.19	0.16	0.18	0.36	0.23	0.21	0.18	0.23	0.11	0.24	0.38	0.31	0.29	0.30	0.30	0.26	0.25	0.12	0.01	1.00	1.00	1.00
9	5	19	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
9	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	6	0.00	0.04	0.10	0.03	0.02	0.00	0.00	0.02	0.01	0.03	0.12	0.17	0.10	0.08	0.03	0.10	0.15	0.13	0.11	0.10	1.00	1.00	1.00
9	6	7	0.02	0.26	0.38	0.26	0.39	0.14	0.19	0.33	0.25	0.45	0.52	0.56	0.51	0.48	0.44	0.50	0.52	0.53	0.37	0.16	1.00	1.00	1.00
9	6	8	0.26	0.53	0.61	0.52	0.68	0.44	0.51	0.63	0.51	0.77	0.77	0.77	0.75	0.74	0.71	0.74	0.75	0.76	0.58	0.22	1.00	1.00	1.00
9	6	9	0.49	0.71	0.73	0.70	0.83	0.69	0.68	0.78	0.70	0.93	0.89	0.88	0.88	0.88	0.84	0.87	0.86	0.85	0.68	0.31	1.00	1.00	1.00
9	6	10	0.67	0.83	0.80	0.82	0.91	0.80	0.79	0.88	0.84	1.00	0.98	0.95	0.95	0.95	0.92	0.94	0.87	0.90	0.74	0.36	1.00	1.00	1.00
9	6	11	0.77	0.89	0.81	0.87	0.95	0.86	0.85	0.92	0.84	1.00	1.00	0.97	0.97	0.97	0.96	0.96	0.89	0.92	0.74	0.32	1.00	1.00	1.00
9	6	12	0.82	0.92	0.83	0.90	0.96	0.87	0.87	0.93	0.86	1.00	1.00	0.98	0.98	0.97	0.96	0.97	0.92	0.93	0.77	0.26	1.00	1.00	1.00
9	6	13	0.83	0.92	0.83	0.90	0.96	0.86	0.86	0.92	0.87	1.00	1.00	0.96	0.97	0.94	0.97	0.96	0.92	0.92	0.71	0.36	1.00	1.00	1.00
9	6	14	0.80	0.90	0.77	0.88	0.94	0.83	0.84	0.90	0.94	1.00	0.98	0.95	0.95	0.91	0.96	0.94	0.90	0.91	0.52	0.32	1.00	1.00	1.00
9	6	15	0.71	0.84	0.76	0.82	0.91	0.80	0.81	0.87	0.84	0.99	0.95	0.92	0.89	0.89	0.92	0.88	0.87	0.87	0.57	0.36	1.00	1.00	1.00
9	6	16	0.56	0.73	0.66	0.71	0.85	0.73	0.74	0.79	0.77	0.90	0.87	0.83	0.82	0.73	0.81	0.81	0.80	0.79	0.37	0.40	1.00	1.00	1.00
9	6	17	0.32	0.51	0.46	0.50	0.69	0.56	0.54	0.63	0.53	0.69	0.68	0.62	0.62	0.53	0.60	0.61	0.61	0.65	0.19	0.17	1.00	1.00	1.00
9	6	18	0.04	0.17	0.14	0.17	0.33	0.24	0.23	0.12	0.19	0.00	0.28	0.33	0.32	0.25	0.31	0.32	0.29	0.29	0.04	0.00	1.00	1.00	1.00
9	6	19	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
9	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	7	6	0.00	0.03	0.15	0.03	0.01	0.00	0.00	0.02	0.00	0.03	0.12	0.16	0.08	0.07	0.02	0.08	0.19	0.16	0.09	0.36	1.00	1.00	1.00
9	7	7	0.02	0.24	0.48	0.24	0.32	0.16	0.19	0.34	0.06	0.45	0.51	0.54	0.50	0.49	0.42	0.50	0.55	0.52	0.36	0.69	1.00	1.00	1.00
9	7	8	0.25	0.50	0.72	0.49	0.64	0.46	0.49	0.63	0.31	0.75	0.77	0.77	0.74	0.72	0.70	0.73	0.75	0.72	0.56	0.88	1.00	1.00	1.00
9	7	9	0.48	0.70	0.85	0.69	0.84	0.65	0.72	0.79	0.62	0.92	0.91	0.89	0.87	0.83	0.83	0.86	0.84	0.84	0.67	1.00	1.00	1.00	1.00
9	7	10	0.67	0.84	0.93	0.83	0.93	0.85	0.84	0.88	0.87	1.00	0.98	0.95	0.92	0.91	0.92	0.92	0.89	0.90	0.79	1.00	1.00	1.00	1.00
9	7	11	0.78	0.91	0.94	0.89	0.96	0.90	0.88	0.93	1.00	1.00	0.99	0.97	0.95	0.97	0.94	0.95	0.86	0.90	0.79	1.00	1.00	1.00	1.00
9	7	12	0.84	0.94	0.94	0.92	0.98	0.91	0.90	0.94	1.00	1.00	1.00	0.96	0.95	0.97	0.97	0.95	0.90	0.90	0.79	0.90	1.00	1.00	1.00
9	7	13	0.85	0.93	0.96	0.92	0.97	0.90	0.89	0.93	1.00	1.00	1.00	0.97	0.96	0.96	0.94	0.95	0.89	0.91	0.82	0.95	1.00	1.00	1.00
9	7	14	0.81	0.91	0.88	0.89	0.96	0.88	0.87	0.91	1.00	1.00	0.98	0.95	0.94	0.92	0.93	0.93	0.88	0.90	0.78	0.67	1.00	1.00	1.00
9	7	15	0.72	0.85	0.82	0.83	0.92	0.84	0.83	0.88	0.96	0.97	0.94	0.91	0.90	0.85	0.87	0.90	0.85	0.87	0.72	0.60	1.00	1.00	1.00
9	7	16	0.56	0.74	0.71	0.72	0.85	0.76	0.73	0.81	0.87	0.89	0.86	0.82	0.80	0.77	0.78	0.79	0.78	0.80	0.65	0.41	1.00	1.00	1.00
9	7	17	0.32	0.51	0.50	0.50	0.68	0.58	0.54	0.62	0.66	0.68	0.68	0.57	0.57	0.55	0.54	0.56	0.60	0.63	0.41	0.19	1.00	1.00	1.00
9	7	18	0.04	0.17	0.15	0.17	0.33	0.26	0.25	0.13	0.14	0.14	0.35	0.27	0.27	0.26	0.26	0.27	0.27	0.27	0.12	0.01	1.00	1.00	1.00
9	7	19	0.00	0.00	0.01	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
9	7	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	8	6	0.00	0.03	0.15	0.03	0.01	0.00	0.00	0.02	0.01	0.03	0.09	0.14	0.10	0.06	0.02	0.09	0.23	0.16	0.14	0.25	1.00	1.00	1.00
9	8	7	0.02	0.27	0.48	0.26	0.33	0.20	0.26	0.36	0.34	0.46	0.51	0.51	0.50	0.48	0.44	0.49	0.56	0.52	0.53	0.55	1.00	1.00	1.00
9	8	8	0.26	0.54	0.74	0.53	0.64	0.52	0.57	0.65	0.67	0.76	0.76	0.74	0.73	0.73	0.71	0.72	0.73	0.73	0.75	0.84	1.00	1.00	1.00
9	8	9	0.50	0.73	0.87	0.71	0.82	0.76	0.75	0.80	0.85	0.91	0.90	0.86	0.84	0.85	0.84	0.84	0.77	0.84	0.86	0.96	1.00	1.00	1.00
9	8	10	0.68	0.85	0.94	0.83	0.91	0.87	0.84	0.89	0.95	0.99	0.96	0.93	0.94	0.93	0.93	0.93	0.77	0.89	0.93	0.99	1.00	1.00	1.00
9	8	11	0.78	0.91	0.91	0.89	0.93	0.90	0.89	0.92	1.00	1.00	0.98	0.96	0.96	0.95	0.96	0.96	0.82	0.91	0.95	0.68	1.00	1.00	1.00
9	8	12	0.83	0.93	0.90	0.91	0.96	0.89	0.89	0.93	1.00	1.00	0.99	0.97	0.96	0.95	0.97	0.95	0.83	0.88	0.94	0.65	1.00	1.00	1.00
9	8	13	0.84	0.92	0.82	0.90	0.96	0.88	0.88	0.91	1.00	1.00	0.99	0.94	0.95	0.93	0.96	0.94	0.82	0.84	0.88	0.33	1.00	1.00	1.00
9	8	14	0.75	0.84	0.79	0.83	0.93	0.85	0.86	0.88	0.98	0.83	0.86	0.63	0.94	0.93	0.94	0.93	0.86	0.82	0.79	0.31	1.00	1.00	1.00
9	8	15	0.69	0.82	0.75	0.80	0.88	0.81	0.82	0.82	0.94	0.95	0.83	0.85	0.90	0.89	0.87	0.89	0.84	0.76	0.74	0.35	1.00	1.00	1.00
9	8	16	0.55	0.72	0.63	0.71	0.81	0.73	0.74	0.78	0.86	0.87	0.82	0.81	0.80	0.79	0.77	0.79	0.75	0.62	0.62	0.20	1.00	1.00	1.00
9	8	17	0.32	0.51	0.46	0.50	0.60	0.51	0.56	0.60	0.68	0.68	0.68	0.61	0.60	0.57	0.56	0.60	0.59	0.54	0.41	0.07	1.00	1.00	1.00
9	8	18	0.04	0.17	0.12	0.17	0.28	0.25	0.18	0.09	0.17	0.17	0.39	0.26	0.29	0.25	0.26	0.29	0.26	0.27	0.10	0.00	1.00	1.00	1.00
9	8	19	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	6	0.00	0.02	0.08	0.02	0.01	0.00	0.00	0.02	0.01	0.03	0.07	0.09	0.06	0.02	0.02	0.06	0.09	0.15	0.12	0.08	1.00	1.00	1.00
9	9	7	0.02	0.25	0.33	0.25	0.34	0.19	0.25	0.36	0.35	0.45	0.50	0.51	0.42	0.35	0.45	0.42	0.37	0.52	0.49	0.09	1.00	1.00	1.00
9	9	8	0.26	0.53	0.57	0.52	0.65	0.48	0.56	0.65	0.68	0.75	0.76	0.75	0.70	0.67	0.72	0.70	0.68	0.72	0.69	0.18	1.00	1.00	1.00
9	9	9	0.49	0.72	0.68	0.70	0.82	0.66	0.74	0.81	0.86	0.91	0.90	0.84	0.83	0.82	0.86	0.83	0.66	0.83	0.82	0.20	1.00	1.00	1.00
9	9	10	0.67	0.83	0.75	0.82	0.90	0.80	0.84	0.89	0.95	1.00	0.97	0.85	0.91	0.89	0.95	0.90	0.70	0.85	0.84	0.32	1.00	1.00	1.00
9	9	11	0.78	0.90	0.81	0.88	0.93	0.88	0.89	0.92	0.99	1.00	0.99	0.91	0.94	0.92	0.97	0.93	0.74	0.85	0.88	0.42	1.00	1.00	1.00
9	9	12	0.81	0.90	0.80	0.89	0.94	0.91	0.89	0.93	1.00	1.00	0.95	0.79	0.93	0.91	0.95	0.92	0.73	0.86	0.84	0.36	1.00	1.00	1.00
9	9	13	0.80	0.88	0.78	0.87	0.96	0.90	0.88	0.92	1.00	1.00	0.89	0.65	0.94	0.90	0.92	0.93	0.64	0.85	0.82	0.37	1.00	1.00	1.00
9	9	14	0.77	0.86	0.71	0.85	0.94	0.87	0.86	0.90	1.00	1.00	0.94	0.83	0.82	0.77	0.92	0.82	0.61	0.79	0.77	0.29	1.00	1.00	1.00
9	9	15	0.68	0.81	0.64	0.79	0.91	0.82	0.82	0.86	0.96	0.98	0.83	0.81	0.75	0.79	0.90	0.74	0.45	0.77	0.77	0.17	1.00	1.00	1.00
9	9	16	0.55	0.72	0.59	0.70	0.83	0.76	0.73	0.77	0.87	0.88	0.84	0.78	0.78	0.72	0.78	0.77	0.40	0.68	0.70	0.26	1.00	1.00	1.00
9	9	17	0.32	0.51	0.39	0.50	0.67	0.59	0.52	0.60	0.68	0.66	0.65	0.59	0.60	0.52	0.59	0.60	0.23	0.53	0.47	0.05	1.00	1.00	1.00
9	9	18	0.04	0.15	0.11	0.15	0.26	0.23	0.17	0.05	0.12	0.24	0.38	0.24	0.25	0.21	0.25	0.25	0.09	0.27	0.13	0.00	1.00	1.00	1.00
9	9	19	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
9	9	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	9	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	6	0.00	0.02	0.08	0.02	0.01	0.00	0.00	0.02	0.01	0.02	0.08	0.08	0.07	0.06	0.03	0.07	0.09	0.06	0.13	0.05	1.00	1.00	1.00
9	10	7	0.02	0.26	0.42	0.25	0.34	0.19	0.25	0.34	0.35	0.41	0.49	0.48	0.46	0.44	0.45	0.46	0.47	0.43	0.51	0.31	1.00	1.00	1.00
9	10	8	0.25	0.53	0.67	0.52	0.65	0.54	0.58	0.64	0.67	0.74	0.75	0.71	0.64	0.67	0.70	0.64	0.72	0.65	0.74	0.53	1.00	1.00	1.00
9	10	9	0.49	0.72	0.79	0.70	0.82	0.75	0.76	0.80	0.85	0.91	0.88	0.74	0.84	0.82	0.86	0.83	0.84	0.77	0.85	0.59	1.00	1.00	1.00
9	10	10	0.65	0.81	0.88	0.80	0.92	0.85	0.85	0.89	0.95	0.99	0.97	0.59	0.89	0.88	0.92	0.88	0.83	0.86	0.91	0.68	1.00	1.00	1.00
9	10	11	0.74	0.85	0.90	0.84	0.96	0.90	0.89	0.92	0.99	1.00	0.98	0.52	0.91	0.84	0.94	0.90	0.83	0.88	0.92	0.70	1.00	1.00	1.00
9	10	12	0.78	0.87	0.88	0.85	0.97	0.90	0.89	0.85	1.00	1.00	1.00	0.56	0.93	0.82	0.94	0.92	0.88	0.84	0.84	0.61	1.00	1.00	1.00
9	10	13	0.82	0.90	0.87	0.88	0.96	0.89	0.88	0.90	0.99	1.00	0.99	0.85	0.91	0.89	0.92	0.90	0.84	0.84	0.88	0.59	1.00	1.00	1.00
9	10	14	0.77	0.87	0.85	0.85	0.94	0.87	0.85	0.90	0.98	1.00	0.97	0.67	0.89	0.92	0.93	0.89	0.89	0.80	0.82	0.53	1.00	1.00	1.00
9	10	15	0.69	0.81	0.77	0.80	0.90	0.83	0.82	0.81	0.94	0.96	0.88	0.88	0.73	0.88	0.89	0.72	0.85	0.78	0.75	0.39	1.00	1.00	1.00
9	10	16	0.53	0.69	0.65	0.68	0.83	0.74	0.73	0.77	0.85	0.86	0.77	0.63	0.68	0.75	0.80	0.67	0.78	0.68	0.61	0.26	1.00	1.00	1.00
9	10	17	0.30	0.49	0.46	0.48	0.67	0.56	0.55	0.59	0.64	0.64	0.63	0.43	0.52	0.55	0.58	0.51	0.59	0.53	0.41	0.13	1.00	1.00	1.00
9	10	18	0.03	0.14	0.17	0.13	0.23	0.21	0.12	0.07	0.05	0.30	0.34	0.17	0.20	0.21	0.23	0.20	0.23	0.24	0.10	0.00	1.00	1.00	1.00
9	10	19	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
9	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx_	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_Ca	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
9	11	4	0.04	0.14	0.00	0.08	0.74	0.71	0.46	0.08	0.10	0.04	0.04	0.07	0.05	0.14	0.08	0.06	0.00	0.02	0.10	0.03	0.30	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	5	0.00	0.15	0.00	0.05	0.73	0.69	0.47	0.02	0.05	0.00	0.09	0.06	0.01	0.14	0.08	0.06	0.00	0.01	0.12	0.03	0.32	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	6	0.00	0.22	0.00	0.05	0.72	0.61	0.47	0.00	0.03	0.00	0.05	0.00	0.00	0.06	0.07	0.06	0.00	0.01	0.12	0.01	0.08	0.22	0.11	0.00	0.03	0.09	0.03	0.01	0.00	0.00	0.02	0.00	0.03	0.08	0.13	0.08	0.06	0.03	0.08	0.04	0.09	0.15	0.17	1.00	1.00	1.00
9	11	7	0.00	0.22	0.00	0.04	0.67	0.52	0.47	0.00	0.02	0.00	0.01	0.00	0.00	0.04	0.06	0.04	0.00	0.00	0.09	0.00	0.05	0.22	0.11	0.02	0.25	0.38	0.25	0.30	0.19	0.27	0.35	0.22	0.45	0.50	0.52	0.47	0.44	0.44	0.47	0.20	0.49	0.53	0.38	1.00	1.00	1.00
9	11	8	0.00	0.18	0.00	0.02	0.57	0.16	0.45	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.04	0.03	0.00	0.00	0.05	0.00	0.07	0.18	0.08	0.25	0.52	0.59	0.51	0.60	0.55	0.57	0.64	0.47	0.73	0.76	0.74	0.71	0.68	0.69	0.71	0.33	0.72	0.74	0.47	1.00	1.00	1.00
9	11	9	0.00	0.15	0.00	0.01	0.47	0.09	0.43	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.02	0.01	0.00	0.00	0.03	0.00	0.09	0.15	0.05	0.49	0.70	0.73	0.69	0.80	0.77	0.76	0.79	0.65	0.88	0.89	0.87	0.84	0.80	0.82	0.84	0.52	0.81	0.86	0.55	1.00	1.00	1.00
9	11	10	0.00	0.14	0.00	0.01	0.36	0.08	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.34	0.14	0.04	0.65	0.82	0.82	0.80	0.91	0.86	0.85	0.87	0.74	0.95	0.96	0.93	0.91	0.85	0.90	0.90	0.58	0.85	0.90	0.73	1.00	1.00	1.00
9	11	11	0.00	0.13	0.00	0.01	0.28	0.08	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03	0.00	0.21	0.13	0.03	0.76	0.88	0.87	0.86	0.94	0.90	0.89	0.91	0.78	1.00	0.98	0.96	0.93	0.89	0.92	0.93	0.61	0.90	0.92	0.79	1.00	1.00	1.00
9	11	12	0.00	0.09	0.00	0.01	0.27	0.07	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.06	0.03	0.14	0.09	0.01	0.82	0.92	0.89	0.90	0.95	0.90	0.89	0.92	0.98	1.00	0.98	0.97	0.94	0.93	0.95	0.94	0.69	0.85	0.84	0.86	1.00	1.00	1.00
9	11	13	0.00	0.06	0.00	0.01	0.28	0.08	0.43	0.00	0.00	0.00	0.07	0.00	0.00	0.02	0.01	0.01	0.00	0.00	0.12	0.10	0.24	0.06	0.00	0.83	0.91	0.87	0.90	0.96	0.90	0.87	0.92	0.98	1.00	0.98	0.96	0.94	0.88	0.93	0.93	0.74	0.85	0.74	0.83	1.00	1.00	1.00
9	11	14	0.00	0.05	0.00	0.02	0.35	0.10	0.44	0.01	0.02	0.00	0.15	0.00	0.00	0.03	0.02	0.01	0.00	0.01	0.16	0.15	0.64	0.05	0.00	0.80	0.89	0.81	0.88	0.94	0.88	0.86	0.91	0.97	0.99	0.97	0.94	0.93	0.90	0.92	0.92	0.70	0.81	0.57	0.84	1.00	1.00	1.00
9	11	15	0.00	0.06	0.00	0.03	0.46	0.12	0.47	0.06	0.03	0.00	0.19	0.00	0.00	0.04	0.02	0.01	0.00	0.01	0.18	0.16	0.70	0.06	0.00	0.71	0.84	0.74	0.82	0.90	0.84	0.83	0.87	0.94	0.95	0.93	0.90	0.88	0.83	0.87	0.87	0.59	0.78	0.59	0.68	1.00	1.00	1.00
9	11	16	0.00	0.09	0.00	0.05	0.59	0.14	0.49	0.11	0.05	0.00	0.34	0.00	0.01	0.06	0.03	0.02	0.00	0.01	0.18	0.11	0.30	0.09	0.01	0.55	0.72	0.68	0.70	0.82	0.77	0.74	0.79	0.85	0.85	0.83	0.79	0.78	0.72	0.76	0.77	0.58	0.72	0.61	0.56	1.00	1.00	1.00
9	11	17	0.08	0.14	0.01	0.08	0.71	0.17	0.50	0.16	0.13	0.07	0.44	0.05	0.09	0.12	0.04	0.02	0.00	0.00	0.18	0.09	0.08	0.14	0.05	0.31	0.50	0.46	0.49	0.64	0.60	0.55	0.61	0.66	0.64	0.63	0.57	0.53	0.52	0.56	0.53	0.48	0.57	0.43	0.16	1.00	1.00	1.00
9	11	18	0.21	0.15	0.09	0.15	0.80	0.43	0.55	0.27	0.27	0.20	0.45	0.20	0.22	0.28	0.06	0.04	0.00	0.01	0.23	0.08	0.20	0.15	0.05	0.03	0.15	0.18	0.15	0.25	0.17	0.14	0.23	0.05	0.37	0.31	0.22	0.20	0.19	0.22	0.20	0.20	0.27	0.10	0.00	1.00	1.00	1.00
9	11	19	0.29	0.14	0.28	0.32	0.88	0.80	0.58	0.40	0.34	0.28	0.44	0.34	0.30	0.41	0.10	0.08	0.00	0.03	0.29	0.06	0.31	0.14	0.04	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	11	20	0.31	0.17	0.51	0.40	0.90	0.81	0.60	0.41	0.36	0.30	0.41	0.34	0.31	0.41	0.13	0.11	0.00	0.01	0.33	0.08	0.17	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	21	0.30	0.12	0.67	0.36	0.91	0.77	0.62	0.36	0.35	0.29	0.37	0.37	0.31	0.44	0.22	0.19	0.00	0.00	0.40	0.12	0.09	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	22	0.32	0.10	0.71	0.35	0.90	0.70	0.65	0.36	0.37	0.31	0.36	0.46	0.33	0.52	0.34	0.32	0.01	0.01	0.45	0.16	0.02	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	23	0.26	0.07	0.69	0.35	0.88	0.74	0.66	0.34	0.32	0.25	0.34	0.54	0.27	0.59	0.39	0.37	0.02	0.04	0.47	0.16	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	11	24	0.21	0.09	0.71	0.35	0.87	0.78	0.66	0.30	0.26	0.20	0.34	0.52	0.22	0.57	0.43	0.42	0.04	0.06	0.48	0.17	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	1	0.19	0.15	0.76	0.30	0.85	0.65	0.66	0.25	0.25	0.18	0.31	0.53	0.20	0.58	0.45	0.43	0.05	0.05	0.56	0.19	0.07	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	2	0.16	0.23	0.79	0.23	0.82	0.71	0.64	0.23	0.22	0.15	0.27	0.44	0.17	0.49	0.42	0.40	0.08	0.08	0.66	0.19	0.18	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	3	0.18	0.25	0.84	0.19	0.81	0.64	0.60	0.20	0.24	0.17	0.22	0.41	0.19	0.47	0.38	0.36	0.10	0.12	0.73	0.15	0.10	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	4	0.19	0.29	0.84	0.15	0.81	0.64	0.61	0.16	0.25	0.19	0.18	0.42	0.20	0.48	0.32	0.30	0.12	0.22	0.73	0.11	0.05	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	5	0.18	0.35	0.77	0.14	0.79	0.51	0.61	0.12	0.24	0.17	0.17	0.43	0.19	0.49	0.24	0.22	0.15	0.23	0.76	0.13	0.04	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	6	0.13	0.35	0.70	0.14	0.76	0.42	0.63	0.07	0.19	0.12	0.16	0.38	0.14	0.44	0.18	0.16	0.20	0.20	0.76	0.21	0.09	0.35	0.23	0.00	0.02	0.13	0.02	0.00	0.00	0.00	0.02	0.00	0.02	0.07	0.12	0.08	0.05	0.02	0.08	0.16	0.13	0.15	0.21	1.00	1.00	1.00
9	12	7	0.10	0.16	0.56	0.11	0.75	0.38	0.62	0.03	0.16	0.09	0.10	0.33	0.11	0.40	0.13	0.11	0.23	0.19	0.65	0.19	0.12	0.16	0.07	0.02	0.24	0.47	0.24	0.28	0.16	0.25	0.35	0.12	0.43	0.49	0.52	0.48	0.42	0.43	0.47	0.52	0.48	0.53	0.56	1.00	1.00	1.00
9	12	8	0.04	0.09	0.47	0.04	0.73	0.18	0.59	0.00	0.09	0.03	0.07	0.24	0.05	0.32	0.08	0.06	0.17	0.14	0.59	0.09	0.02	0.09	0.01	0.24	0.50	0.71	0.49	0.60	0.47	0.56	0.64	0.25	0.74	0.75	0.73	0.72	0.69	0.70	0.72	0.72	0.70	0.74	0.76	1.00	1.00	1.00
9	12	9	0.01	0.09	0.47	0.03	0.72	0.16	0.59	0.00	0.06	0.00	0.13	0.11	0.02	0.18	0.05	0.03	0.11	0.21	0.68	0.06	0.00	0.09	0.01	0.48	0.69	0.85	0.68	0.80	0.64	0.75	0.80	0.55	0.91	0.88	0.87	0.83	0.83	0.83	0.82	0.78	0.79	0.85	0.92	1.00	1.00	1.00
9	12	10	0.02	0.10	0.36	0.04	0.73	0.15	0.60	0.00	0.08	0.01	0.24	0.01	0.03	0.05	0.05	0.03	0.06	0.29	0.74	0.11	0.00	0.10	0.02	0.66	0.81	0.92	0.80	0.90	0.72	0.85	0.88	0.77	0.98	0.96	0.92	0.92	0.90	0.91	0.91	0.84	0.83	0.90	0.99	1.00	1.00	1.00
9	12	11	0.06	0.14	0.25	0.05	0.75	0.13	0.59	0.01	0.11	0.05	0.29	0.00	0.07	0.04	0.05	0.04	0.03	0.27	0.75	0.18	0.03	0.14	0.04	0.77	0.88	0.95	0.87	0.95	0.75	0.88	0.92	0.95	1.00	0.96	0.95	0.94	0.93	0.94	0.93	0.86	0.89	0.89	0.95	1.00	1.00	1.00
9	12	12	0.08	0.15	0.18	0.07	0.76	0.11	0.60	0.07	0.14	0.07	0.33	0.00	0.09	0.05	0.06	0.05	0.02	0.20	0.69	0.27	0.07	0.15	0.05	0.81	0.90	0.96	0.88	0.96	0.78	0.89	0.92	0.97	1.00	0.93	0.94	0.95	0.93	0.90	0.94	0.85	0.89	0.88	0.97	1.00	1.00	1.00
9	12	13	0.13	0.17	0.11	0.10	0.77	0.11	0.62	0.15	0.19	0.12	0.42	0.00	0.14	0.06	0.09	0.07	0.04	0.25	0.63	0.31	0.16	0.17	0.07	0.79	0.87	0.95	0.86	0.94	0.79	0.89	0.91	0.98	1.00	0.98	0.63	0.94	0.88	0.91	0.93	0.86	0.88	0.83	0.98	1.00	1.00	1.00
9	12	14	0.12	0.21	0.05	0.14	0.80	0.19	0.65	0.21	0.18	0.11	0.49	0.03	0.13	0.10	0.10	0.08	0.07	0.25	0.61	0.31	0.23	0.21	0.11	0.76	0.85	0.88	0.84	0.91	0.85	0.87	0.90	0.98	1.00	0.97	0.70	0.84	0.88	0.84	0.83	0.87	0.87	0.71	0.83	1.00	1.00	1.00
9	12	15	0.23	0.33	0.04	0.18	0.84	0.39	0.68	0.25	0.29	0.22	0.53	0.07	0.24	0.15	0.12	0.10	0.08	0.18	0.58	0.29	0.25	0.33	0.21	0.69	0.82	0.82	0.80	0.83	0.80	0.82	0.86	0.92	0.96	0.93	0.87	0.86	0.83	0.87	0.86	0.84	0.80	0.73	0.67	1.00	1.00	1.00
9	12	16	0.35	0.25	0.04	0.24	0.86	0.57	0.71	0.28	0.40	0.34	0.56	0.12	0.36	0.19	0.10	0.08	0.08	0.25	0.56	0.30	0.31	0.25	0.15	0.54	0.70	0.72	0.69	0.77	0.73	0.75	0.76	0.77	0.86	0.84	0.82	0.78	0.63	0.78	0.77	0.76	0.76	0.69	0.48	1.00	1.00	1.00
9	12	17	0.36	0.18	0.06	0.29	0.88	0.68	0.73	0.28	0.41	0.35	0.56	0.17	0.37	0.25	0.11	0.09	0.06	0.37	0.48	0.28	0.20	0.18	0.08	0.30	0.48	0.47	0.48	0.67	0.51	0.57	0.55	0.57	0.66	0.62	0.61	0.53	0.49	0.54	0.53	0.57	0.59	0.45	0.14	1.00	1.00	1.00
9	12	18	0.44	0.18	0.07	0.40	0.90	0.83	0.74	0.27	0.48	0.43	0.54	0.26	0.44	0.33	0.10	0.08	0.06	0.43	0.49	0.30	0.10	0.18	0.08	0.03	0.13	0.19	0.13	0.17	0.12	0.06	0.16	0.08	0.38	0.30	0.24	0.20	0.17	0.20	0.20	0.22	0.29	0.10	0.00	1.00	1.00	1.00
9	12	19	0.53	0.15	0.12	0.60	0.91	0.97	0.73	0.29	0.57	0.52	0.51	0.30	0.53	0.37	0.18	0.16	0.04	0.54	0.50	0.43	0.23	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
9	12	20	0.56	0.14	0.23	0.60	0.90	0.98	0.71	0.32	0.60	0.56	0.47	0.35	0.57	0.41	0.12	0.10	0.02	0.66	0.57	0.46	0.37	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	21	0.54	0.22	0.28	0.52	0.91	0.86	0.72	0.35	0.58	0.54	0.46	0.50	0.55	0.56	0.06	0.05	0.02	0.72	0.73	0.35	0.37	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	22	0.51	0.36	0.29	0.46	0.89	0.60	0.73	0.35	0.55	0.51	0.42	0.57	0.52	0.62	0.03	0.02	0.02	0.70	0.72	0.29	0.47	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	23	0.43	0.53	0.31	0.42	0.87	0.51	0.73	0.33	0.47	0.42	0.43	0.55	0.44	0.60	0.04	0.03	0.01	0.68	0.72	0.29	0.52	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	12	24	0.36	0.60	0.21	0.40	0.85	0.44	0.74	0.30	0.41	0.35	0.46	0.55	0.37	0.60	0.05	0.04	0.01	0.66	0.67	0.34	0.48	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	1	0.35	0.63	0.12	0.38	0.82	0.42	0.76	0.35	0.40	0.34	0.46	0.54	0.35	0.59	0.09	0.07	0.02	0.70	0.64	0.35	0.48	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	2	0.33	0.59	0.06	0.37	0.79	0.45	0.80	0.31	0.39	0.33	0.45	0.52	0.34	0.57	0.11	0.09	0.02	0.69	0.47	0.34	0.47	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	3	0.33	0.62	0.04	0.33	0.72	0.51	0.82	0.25	0.38	0.32	0.49	0.50	0.34	0.55	0.12	0.10	0.02	0.63	0.33	0.34	0.43	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	4	0.36	0.71	0.02	0.27	0.62	0.73	0.84	0.25	0.41	0.35	0.53	0.51	0.37	0.57	0.13	0.11	0.02	0.63	0.24	0.30	0.39	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	5	0.36	0.70	0.00	0.24	0.46	0.73	0.84	0.27	0.41	0.35	0.53	0.46	0.37	0.52	0.14	0.12	0.04	0.65	0.18	0.26	0.34	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	6	0.36	0.67	0.00	0.22	0.28	0.66	0.85	0.29	0.41	0.35	0.53	0.40	0.37	0.46	0.14	0.12	0.05	0.58	0.14	0.24	0.33	0.67	0.60	0.00	0.02	0.10	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.14	0.10	0.03	0.02	0.10	0.06	0.05	0.14	0.31	1.00	1.00	1.00
9	13	7	0.34	0.54	0.00	0.18	0.11	0.51	0.83	0.28	0.40	0.34	0.47	0.40	0.35	0.46	0.13	0.11	0.06	0.54	0.06	0.24	0.26	0.54	0.46	0.02	0.24	0.43	0.24	0.22	0.19	0.27	0.23	0.29	0.44	0.45	0.53	0.47	0.44	0.42	0.47	0.44	0.30	0.52	0.67	1.00	1.00	1.00
9	13	8	0.29	0.46	0.00	0.10	0.02	0.09	0.78	0.19	0.34	0.28	0.40	0.30	0.30	0.37	0.09	0.07	0.04	0.48	0.04	0.27	0.15	0.46	0.36	0.26	0.52	0.65	0.51	0.45	0.58	0.58	0.53	0.65	0.73	0.74	0.75	0.73	0.72	0.69	0.72	0.44	0.56	0.72	0.91	1.00	1.00	1.00
9	13	9	0.38	0.41	0.00	0.10	0.00	0.05	0.77	0.16	0.43	0.37	0.42	0.20	0.39	0.27	0.07	0.06	0.03	0.62	0.05	0.25	0.20	0.41	0.31	0.49	0.70	0.81	0.69	0.59	0.78	0.77	0.69	0.85	0.89	0.87	0.87	0.85	0.85	0.83	0.84	0.64	0.62	0.85	1.00	1.00	1.00	1.00
9	13	10	0.46	0.33	0.00	0.11	0.00	0.12	0.77	0.17	0.50	0.45	0.48	0.12	0.46	0.19	0.08	0.06	0.04	0.70	0.05	0.25	0.25	0.33	0.22	0.66	0.82	0.89	0.80	0.65	0.88	0.87	0.81	0.94	0.97	0.96	0.93	0.92	0.92	0.90	0.92	0.76	0.70	0.91	1.00	1.00	1.00	1.00
9	13	11	0.44	0.19	0.00	0.13	0.00	0.20	0.79	0.21	0.48	0.43	0.51	0.08	0.45	0.15	0.08	0.06	0.04	0.63	0.05	0.32	0.25	0.19	0.09	0.76	0.88	0.93	0.86	0.66	0.92	0.91	0.89	0.99	1.00	0.97	0.96	0.94	0.94	0.94	0.94	0.80	0.73	0.93	1.00	1.00	1.00	1.00
9	13	12	0.46	0.16	0.00	0.16	0.00	0.23	0.80	0.27	0.50	0.45	0.57	0.09	0.47	0.16	0.08	0.06	0.04	0.56	0.06	0.38	0.27	0.16	0.06	0.81	0.90	0.96	0.88	0.72	0.92	0.92	0.92	0.99	1.00	1.00	0.97	0.85	0.94	0.94	0.84	0.87	0.84	0.91	1.00	1.00	1.00	1.00
9	13	13	0.60	0.15	0.00	0.19	0.00	0.22	0.82	0.32	0.64	0.60	0.63	0.15	0.61	0.22	0.09	0.07	0.04	0.70	0.08	0.44	0.26	0.15	0.05	0.81	0.90	0.95	0.88	0.79	0.91	0.92	0.92	0.99	0.99	0.98	0.94	0.83	0.93	0.94	0.83	0.84	0.82	0.87	1.00	1.00	1.00	1.00
9	13	14	0.62	0.15	0.00	0.19	0.00	0.24	0.84	0.37	0.65	0.62	0.64	0.22	0.63	0.29	0.11	0.09	0.04	0.86	0.09	0.51	0.27	0.15	0.05	0.78	0.88	0.89	0.86	0.83	0.89	0.89	0.92	0.99	1.00	0.97	0.92	0.82	0.87	0.93	0.81	0.82	0.78	0.79	0.92	1.00	1.00	1.00
9	13	15	0.67	0.15	0.01	0.19	0.00	0.22	0.82	0.42	0.70	0.67	0.64	0.32	0.68	0.38	0.15	0.12	0.05	0.89	0.11	0.56	0.25	0.15	0.05	0.68	0.80	0.86	0.79	0.77	0.80	0.86	0.90	0.95	0.97	0.93	0.76	0.79	0.78	0.88	0.79	0.81	0.80	0.77	0.89	1.00	1.00	1.00
9	13	16	0.74	0.16	0.09	0.21	0.00	0.25	0.78	0.47	0.76	0.74	0.64	0.41	0.74	0.47	0.18	0.16	0.05	0.89	0.13	0.57	0.24	0.16	0.06	0.52	0.67	0.70	0.66	0.78	0.78	0.77	0.81	0.84	0.86	0.82	0.42	0.64	0.70	0.79	0.63	0.64	0.70	0.66	0.64	1.00	1.00	1.00
9	13	17	0.78	0.17	0.15	0.21	0.04	0.29	0.78	0.49	0.80	0.77	0.64	0.45	0.78	0.51	0.18	0.16	0.06	0.90	0.13	0.49	0.25	0.17	0.07	0.29	0.48	0.44	0.47	0.69	0.60	0.58	0.62	0.63	0.63	0.59	0.34	0.50	0.52	0.54	0.50	0.42	0.53	0.44	0.20	1.00	1.00	1.00
9	13	18	0.72	0.23	0.08	0.24	0.21	0.30	0.79	0.50	0.74	0.71	0.70	0.45	0.72	0.50	0.21	0.19	0.10	0.83	0.16	0.49	0.30	0.23	0.12	0.03	0.13	0.16	0.12	0.15	0.12	0.05	0.28	0.08	0.36	0.24	0.12	0.18	0.18	0.20	0.18	0.15	0.24	0.09	0.00	1.00	1.00	1.00
9	13	19	0.69	0.26	0.16	0.36	0.43	0.48	0.81	0.55	0.72	0.69	0.84	0.51	0.70	0.56	0.26	0.24	0.10	0.78	0.17	0.54	0.46	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	13	20	0.61	0.25	0.26	0.35	0.51	0.74	0.81	0.60	0.64	0.61	0.89	0.54	0.62	0.59	0.27	0.25	0.08	0.75	0.17	0.70	0.63	0.25	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	21	0.60	0.16	0.34	0.31	0.48	0.79	0.80	0.61	0.64	0.60	0.89	0.57	0.61	0.62	0.22	0.20	0.11	0.76	0.20	0.66	0.76	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	22	0.59	0.13	0.55	0.27	0.45	0.75	0.83	0.62	0.62	0.58	0.88	0.61	0.59	0.65	0.28	0.26	0.09	0.74	0.22	0.45	0.76	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	23	0.58	0.12	0.51	0.20	0.45	0.65	0.84	0.64	0.62	0.57	0.82	0.60	0.58	0.65	0.33	0.31	0.04	0.71	0.22	0.33	0.71	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	13	24	0.50	0.08	0.34	0.17	0.44	0.57	0.83	0.64	0.54	0.50	0.79	0.60	0.51	0.64	0.37	0.35	0.06	0.63	0.19	0.25	0.69	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	1	0.50	0.08	0.37	0.14	0.43	0.42	0.82	0.65	0.54	0.49	0.78	0.56	0.51	0.60	0.22	0.20	0.09	0.55	0.21	0.30	0.71	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	2	0.52	0.13	0.25	0.13	0.44	0.41	0.80	0.63	0.56	0.51	0.79	0.52	0.52	0.57	0.23	0.21	0.16	0.48	0.19	0.36	0.72	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	3	0.52	0.22	0.32	0.10	0.46	0.46	0.78	0.62	0.56	0.51	0.81	0.54	0.53	0.59	0.25	0.23	0.25	0.55	0.17	0.38	0.61	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	4	0.55	0.20	0.29	0.08	0.46	0.43	0.78	0.60	0.59	0.55	0.80	0.54	0.56	0.59	0.16	0.14	0.16	0.63	0.15	0.45	0.52	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	5	0.57	0.20	0.32	0.07	0.45	0.43	0.77	0.58	0.61	0.56	0.80	0.48	0.57	0.53	0.16	0.14	0.11	0.68	0.16	0.47	0.43	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	6	0.53	0.13	0.31	0.05	0.44	0.28	0.75	0.54	0.57	0.52	0.79	0.43	0.54	0.49	0.15	0.13	0.15	0.74	0.15	0.44	0.33	0.13	0.04	0.00	0.02	0.14	0.02	0.00	0.00	0.00	0.01	0.00	0.02	0.07	0.15	0.08	0.05	0.02	0.08	0.20	0.12	0.11	0.33	1.00	1.00	1.00
9	14	7	0.47	0.07	0.34	0.04	0.34	0.23	0.70	0.50	0.51	0.46	0.77	0.34	0.48	0.41	0.15	0.13	0.09	0.72	0.11	0.41	0.19	0.07	0.00	0.02	0.26	0.49	0.25	0.21	0.20	0.26	0.37	0.29	0.44	0.49	0.53	0.48	0.47	0.44	0.48	0.49	0.52	0.47	0.66	1.00	1.00	1.00
9	14	8	0.42	0.05	0.24	0.02	0.14	0.10	0.63	0.34	0.46	0.41	0.71	0.20	0.42	0.27	0.14	0.12	0.07	0.64	0.09	0.39	0.17	0.05	0.00	0.26	0.53	0.74	0.52	0.50	0.57	0.59	0.67	0.65	0.75	0.76	0.76	0.72	0.73	0.70	0.71	0.73	0.74	0.71	0.86	1.00	1.00	1.00
9	14	9	0.41	0.08	0.18	0.01	0.03	0.10	0.57	0.22	0.46	0.40	0.65	0.17	0.42	0.24	0.10	0.08	0.10	0.81	0.09	0.48	0.38	0.08	0.00	0.50	0.72	0.89	0.70	0.71	0.73	0.77	0.83	0.86	0.93	0.88	0.89	0.74	0.86	0.84	0.73	0.82	0.85	0.83	1.00	1.00	1.00	1.00
9	14	10	0.48	0.08	0.13	0.01	0.00	0.14	0.60	0.16	0.52	0.47	0.61	0.15	0.49	0.22	0.08	0.06	0.18	0.94	0.11	0.55	0.51	0.08	0.01	0.67	0.84	0.93	0.82	0.76	0.85	0.85	0.92	0.96	0.99	0.97	0.94	0.91	0.93	0.90	0.90	0.79	0.88	0.86	1.00	1.00	1.00	1.00
9	14	11	0.60	0.10	0.06	0.02	0.00	0.15	0.66	0.16	0.64	0.60	0.61	0.17	0.61	0.24	0.04	0.02	0.22	0.99	0.13	0.64	0.61	0.10	0.02	0.77	0.89	0.96	0.87	0.73	0.91	0.91	0.94	1.00	1.00	1.00	0.97	0.92	0.96	0.91	0.92	0.82	0.92	0.86	1.00	1.00	1.00	1.00
9	14	12	0.60	0.11	0.01	0.03	0.00	0.12	0.66	0.20	0.63	0.59	0.61	0.21	0.60	0.29	0.02	0.01	0.20	1.00	0.15	0.70	0.66	0.11	0.03	0.82	0.92	0.91	0.90	0.77	0.91	0.89	0.95	1.00	1.00	1.00	0.98	0.94	0.96	0.93	0.93	0.65	0.92	0.77	1.00	1.00	1.00	1.00
9	14	13	0.61	0.15	0.00	0.04	0.00	0.10	0.65	0.27	0.64	0.61	0.61	0.28	0.62	0.34	0.03	0.02	0.19	1.00	0.18	0.76	0.67	0.15	0.05	0.83	0.91	0.92	0.90	0.71	0.90	0.91	0.96	1.00	1.00	1.00	0.97	0.96	0.95	0.95	0.95	0.71	0.91	0.79	0.99	1.00	1.00	1.00
9	14	14	0.70	0.18	0.01	0.06	0.00	0.08	0.68	0.34	0.73	0.70	0.61	0.40	0.70	0.46	0.03	0.02	0.20	1.00	0.21	0.78	0.71	0.18	0.08	0.80	0.90	0.86	0.88	0.74	0.90	0.89	0.94	0.99	1.00	0.99	0.96	0.94	0.93	0.93	0.93	0.55	0.91	0.78	0.93	1.00	1.00	1.00
9	14	15	0.75	0.29	0.04	0.07	0.00	0.10	0.69	0.42	0.77	0.74	0.63	0.46	0.75	0.52	0.03	0.02	0.20	1.00	0.27	0.79	0.71	0.29	0.19	0.71	0.84	0.86	0.82	0.75	0.87	0.85	0.90	0.94	0.98	0.95	0.91	0.89	0.88	0.85	0.88	0.73	0.87	0.73	0.89	1.00	1.00	1.00
9	14	16	0.78	0.47	0.12	0.08	0.00	0.14	0.68	0.49	0.80	0.78	0.64	0.49	0.79	0.54	0.04	0.03	0.24	1.00	0.30	0.80	0.70	0.47	0.37	0.54	0.71	0.74	0.70	0.67	0.78	0.77	0.81	0.85	0.88	0.84	0.79	0.77	0.76	0.76	0.76	0.69	0.80	0.60	0.72	1.00	1.00	1.00
9	14	17	0.81	0.55	0.23	0.09	0.05	0.17	0.69	0.57	0.83	0.81	0.67	0.49	0.81	0.54	0.07	0.05	0.25	1.00	0.39	0.80	0.62	0.55	0.45	0.29	0.48	0.47	0.47	0.54	0.58	0.58	0.60	0.61	0.66	0.61	0.56	0.50	0.53	0.51	0.50	0.51	0.62	0.38	0.17	1.00	1.00	1.00
9	14	18	0.81	0.46	0.39	0.16	0.28	0.25	0.71	0.64	0.82	0.80	0.73	0.53	0.81	0.58	0.13	0.11	0.23	0.97	0.36	0.79	0.47	0.46	0.36	0.03	0.13	0.17	0.13	0.18	0.12	0.04	0.26	0.16	0.35	0.25	0.20	0.17	0.18	0.18	0.17	0.19	0.27	0.07	0.00	1.00	1.00	1.00
9	14	19	0.73	0.48	0.55	0.31	0.52	0.46	0.74	0.72	0.75	0.72	0.84	0.61	0.73	0.66	0.23	0.21	0.18	0.88	0.28	0.76	0.40	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	14	20	0.65	0.62	0.58	0.36	0.60	0.83	0.75	0.72	0.68	0.65	0.89	0.62	0.66	0.66	0.24	0.22	0.40	0.75	0.27	0.73	0.40	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	21	0.63	0.61	0.59	0.25	0.63	0.83	0.76	0.69	0.66	0.62	0.84	0.67	0.63	0.71	0.26	0.24	0.45	0.73	0.23	0.65	0.48	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	22	0.52	0.60	0.60	0.19	0.65	0.68	0.74	0.67	0.56	0.52	0.76	0.58	0.53	0.62	0.29	0.27	0.37	0.67	0.16	0.53	0.56	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	23	0.37	0.55	0.59	0.14	0.65	0.62	0.72	0.64	0.42	0.36	0.72	0.41	0.38	0.47	0.34	0.32	0.43	0.63	0.12	0.50	0.62	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	14	24	0.31	0.44	0.58	0.13	0.67	0.55	0.71	0.59	0.36	0.30	0.70	0.35	0.32	0.41	0.38	0.36	0.31	0.62	0.23	0.50	0.60	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	1	0.30	0.35	0.56	0.09	0.69	0.47	0.70	0.56	0.35	0.29	0.70	0.34	0.31	0.41	0.33	0.31	0.22	0.58	0.26	0.48	0.55	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	2	0.35	0.29	0.51	0.06	0.70	0.51	0.69	0.58	0.40	0.34	0.71	0.24	0.36	0.31	0.30	0.28	0.17	0.57	0.28	0.47	0.46	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	3	0.36	0.29	0.46	0.04	0.69	0.67	0.65	0.52	0.42	0.36	0.68	0.13	0.37	0.20	0.22	0.20	0.11	0.58	0.27	0.43	0.42	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	4	0.34	0.22	0.45	0.03	0.64	0.72	0.60	0.47	0.39	0.33	0.66	0.11	0.34	0.18	0.13	0.11	0.06	0.56	0.31	0.38	0.37	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	5	0.31	0.13	0.49	0.03	0.61	0.69	0.55	0.42	0.36	0.30	0.61	0.13	0.32	0.21	0.08	0.06	0.16	0.55	0.40	0.33	0.34	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
9	15	6	0.28	0.13	0.41	0.03	0.56	0.50	0.50	0.33	0.33	0.27	0.55	0.15	0.29	0.23	0.09	0.07	0.22	0.51	0.48	0.29	0.31	0.13	0.03	0.00	0.02	0.14	0.02	0.01	0.00	0.00	0.01	0.00	0.02	0.04	0.10	0.09	0.07	0.03	0.09	0.13	0.13	0.13	0.38	1.00	1.00	1.00
9	15	7	0.22	0.08	0.38	0.03	0.49	0.45	0.47	0.26	0.28	0.22	0.44	0.13	0.23	0.21	0.08	0.06	0.12	0.50	0.39	0.28	0.27	0.08	0.01	0.02	0.26	0.48	0.25	0.37	0.23	0.27	0.37	0.29	0.44	0.51	0.39	0.45	0.45	0.44	0.44	0.37	0.51	0.48	0.72	1.00	1.00	1.00
9	15	8	0.14	0.10	0.41	0.02	0.37	0.14	0.46	0.15	0.20	0.13	0.28	0.14	0.15	0.22	0.05	0.03	0.03	0.54	0.27	0.26	0.31	0.10	0.02	0.27	0.54	0.73	0.53	0.70	0.59	0.60	0.67	0.65	0.75	0.76	0.72	0.71	0.70	0.70	0.70	0.63	0.72	0.71	0.90	1.00	1.00	1.00
9	15	9	0.13	0.15	0.32	0.01	0.33	0.05	0.39	0.06	0.19	0.12	0.17	0.07	0.14	0.15	0.02	0.01	0.01	0.73	0.31	0.35	0.47	0.15	0.05	0.51	0.74	0.86	0.73	0.88	0.78	0.77	0.82	0.85	0.91	0.91	0.88	0.85	0.80	0.86	0.84	0.70	0.84	0.83	1.00	1.00	1.00	1.00
9	15	10	0.18	0.20	0.21	0.01	0.32	0.03	0.37	0.01	0.23	0.17	0.16	0.05	0.19	0.12	0.02	0.01	0.01	0.92	0.42	0.48	0.57	0.20	0.09	0.69	0.85	0.91	0.84	0.96	0.86	0.87	0.91	0.94	0.99	0.98	0.95	0.90	0.86	0.93	0.90	0.75	0.90	0.80	1.00	1.00	1.00	1.00
9	15	11	0.35	0.21	0.12	0.02	0.27	0.04	0.39	0.00	0.40	0.34	0.19	0.05	0.36	0.12	0.01	0.00	0.01	0.97	0.45	0.57	0.61	0.21	0.10	0.79	0.91	0.92	0.89	0.98	0.90	0.90	0.94	1.00	1.00	1.00	0.98	0.96	0.89	0.94	0.95	0.77	0.91	0.75	0.99	1.00	1.00	1.00
9	15	12	0.40	0.20	0.04	0.03	0.24	0.04	0.46	0.01	0.45	0.39	0.21	0.07	0.41	0.14	0.02	0.01	0.01	1.00	0.46	0.64	0.68	0.20	0.09	0.84	0.93	0.88	0.92	0.95	0.90	0.90	0.95	1.00	1.00	1.00	0.99	0.96	0.90	0.96	0.95	0.74	0.92	0.59	0.97	1.00	1.00	1.00
9	15	13	0.43	0.20	0.02	0.06	0.27	0.03	0.57	0.06	0.47	0.42	0.27	0.15	0.43	0.23	0.03	0.01	0.02	1.00	0.50	0.67	0.68	0.20	0.09	0.84	0.92	0.88	0.91	0.85	0.88	0.90	0.93	1.00	1.00	1.00	0.98	0.97	0.92	0.96	0.96	0.80	0.93	0.54	0.95	1.00	1.00	1.00
9	15	14	0.49	0.22	0.03	0.08	0.35	0.03	0.66	0.16	0.54	0.49	0.35	0.28	0.50	0.35	0.04	0.02	0.02	1.00	0.51	0.70	0.67	0.22	0.11	0.79	0.88	0.84	0.87	0.81	0.87	0.87	0.92	0.98	1.00	0.99	0.94	0.93	0.82	0.93	0.93	0.79	0.91	0.46	0.88	1.00	1.00	1.00
9	15	15	0.55	0.24	0.06	0.11	0.45	0.04	0.69	0.29	0.59	0.54	0.48	0.38	0.56	0.44	0.05	0.03	0.02	1.00	0.48	0.71	0.67	0.24	0.13	0.69	0.82	0.76	0.80	0.70	0.83	0.84	0.88	0.94	0.98	0.94	0.86	0.87	0.80	0.87	0.87	0.80	0.86	0.34	0.78	1.00	1.00	1.00
9	15	16	0.62	0.24	0.11	0.14	0.53	0.06	0.72	0.44	0.65	0.61	0.59	0.50	0.62	0.55	0.06	0.04	0.05	1.00	0.40	0.72	0.68	0.24	0.13	0.52	0.68	0.69	0.66	0.68	0.76	0.75	0.79	0.85	0.88	0.83	0.72	0.67	0.67	0.63	0.67	0.73	0.79	0.30	0.71	1.00	1.00	1.00
9	15	17	0.72	0.28	0.28	0.17	0.63	0.23	0.73	0.56	0.75	0.72	0.79	0.63	0.73	0.67	0.09	0.07	0.07	1.00	0.27	0.72	0.56	0.28	0.18	0.29	0.47	0.44	0.46	0.57	0.57	0.56	0.61	0.61	0.63	0.63	0.53	0.49	0.45	0.44	0.49	0.48	0.61	0.21	0.30	1.00	1.00	1.00
9	15	18	0.76	0.40	0.47	0.22	0.70	0.60	0.72	0.66	0.78	0.75	0.86	0.67	0.76	0.71	0.10	0.08	0.05	0.96	0.18	0.67	0.43	0.40	0.30	0.02	0.13	0.14	0.13	0.09	0.05	0.21	0.30	0.26	0.28	0.25	0.18	0.16	0.14	0.15	0.16	0.16	0.25	0.03	0.00	1.00	1.00	1.00
9	15	19	0.69	0.57	0.65	0.37	0.72	0.97	0.72	0.73	0.72	0.69	0.81	0.60	0.70	0.65	0.14	0.12	0.06	0.82	0.16	0.71	0.30	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	15	20	0.68	0.67	0.71	0.42	0.70	0.93	0.72	0.69	0.71	0.68	0.70	0.43	0.69	0.49	0.25	0.23	0.06	0.75	0.34	0.77	0.29	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	21	0.74	0.74	0.73	0.37	0.68	0.85	0.71	0.64	0.77	0.74	0.69	0.38	0.75	0.45	0.32	0.30	0.03	0.79	0.39	0.69	0.35	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	22	0.66	0.74	0.73	0.28	0.65	0.87	0.68	0.59	0.69	0.65	0.65	0.31	0.66	0.38	0.26	0.24	0.01	0.81	0.49	0.59	0.38	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	23	0.50	0.67	0.76	0.26	0.62	0.77	0.65	0.57	0.54	0.49	0.65	0.24	0.51	0.31	0.26	0.24	0.01	0.74	0.55	0.51	0.39	0.67	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	15	24	0.39	0.55	0.78	0.27	0.58	0.68	0.62	0.55	0.44	0.38	0.66	0.21	0.40	0.29	0.26	0.24	0.01	0.67	0.55	0.44	0.38	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	1	0.39	0.35	0.78	0.23	0.59	0.70	0.62	0.52	0.43	0.38	0.65	0.21	0.39	0.28	0.29	0.27	0.01	0.64	0.61	0.47	0.42	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	2	0.41	0.24	0.82	0.15	0.58	0.82	0.62	0.53	0.45	0.40	0.67	0.28	0.42	0.35	0.33	0.31	0.02	0.68	0.62	0.52	0.51	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	3	0.48	0.34	0.85	0.11	0.57	0.67	0.61	0.53	0.52	0.47	0.65	0.29	0.49	0.36	0.39	0.37	0.02	0.68	0.63	0.60	0.52	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	4	0.50	0.47	0.88	0.07	0.50	0.51	0.61	0.49	0.54	0.49	0.66	0.31	0.51	0.37	0.35	0.33	0.02	0.67	0.66	0.58	0.45	0.47	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	5	0.46	0.50	0.89	0.04	0.38	0.40	0.63	0.43	0.50	0.45	0.68	0.32	0.46	0.38	0.35	0.33	0.02	0.61	0.65	0.56	0.37	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	6	0.37	0.52	0.89	0.03	0.27	0.32	0.63	0.36	0.42	0.36	0.67	0.36	0.38	0.43	0.38	0.36	0.02	0.58	0.63	0.53	0.26	0.52	0.43	0.00	0.02	0.11	0.02	0.01	0.00	0.00	0.01	0.00	0.02	0.04	0.13	0.07	0.04	0.02	0.07	0.12	0.11	0.06	0.28	1.00	1.00	1.00
9	16	7	0.35	0.44	0.86	0.03	0.19	0.30	0.58	0.35	0.40	0.34	0.66	0.33	0.36	0.40	0.39	0.36	0.01	0.58	0.45	0.47	0.16	0.44	0.34	0.02	0.25	0.47	0.25	0.35	0.14	0.25	0.36	0.25	0.43	0.49	0.52	0.45	0.42	0.43	0.45	0.43	0.50	0.43	0.68	1.00	1.00	1.00
9	16	8	0.33	0.39	0.85	0.02	0.06	0.15	0.53	0.32	0.38	0.32	0.57	0.27	0.34	0.33	0.38	0.36	0.00	0.65	0.39	0.46	0.18	0.39	0.28	0.26	0.52	0.73	0.51	0.70	0.40	0.60	0.66	0.52	0.75	0.76	0.73	0.72	0.67	0.71	0.72	0.70	0.73	0.68	0.90	1.00	1.00	1.00
9	16	9	0.46	0.31	0.84	0.01	0.01	0.12	0.49	0.26	0.50	0.45	0.57	0.36	0.46	0.43	0.37	0.35	0.01	0.86	0.59	0.57	0.25	0.31	0.19	0.51	0.73	0.87	0.72	0.87	0.70	0.78	0.82	0.82	0.91	0.91	0.87	0.86	0.79	0.82	0.85	0.77	0.82	0.83	0.99	1.00	1.00	1.00
9	16	10	0.60	0.19	0.87	0.01	0.00	0.09	0.47	0.24	0.64	0.60	0.64	0.43	0.61	0.49	0.41	0.39	0.03	0.98	0.59	0.66	0.37	0.19	0.09	0.69	0.86	0.92	0.84	0.96	0.86	0.87	0.92	0.95	1.00	0.98	0.94	0.92	0.88	0.93	0.91	0.81	0.87	0.86	0.97	1.00	1.00	1.00
9	16	11	0.70	0.13	0.91	0.01	0.00	0.08	0.47	0.26	0.73	0.70	0.69	0.45	0.70	0.51	0.46	0.44	0.04	0.99	0.52	0.69	0.48	0.13	0.04	0.80	0.92	0.94	0.90	0.99	0.92	0.91	0.94	1.00	1.00	1.00	0.97	0.97	0.88	0.93	0.96	0.87	0.87	0.85	0.92	1.00	1.00	1.00
9	16	12	0.68	0.08	0.93	0.01	0.00	0.08	0.50	0.33	0.71	0.68	0.73	0.48	0.69	0.53	0.51	0.49	0.04	1.00	0.52	0.70	0.59	0.08	0.01	0.85	0.94	0.90	0.92	0.96	0.92	0.92	0.95	1.00	1.00	1.00	0.99	0.97	0.89	0.94	0.96	0.81	0.89	0.74	0.90	1.00	1.00	1.00
9	16	13	0.71	0.07	0.91	0.03	0.00	0.10	0.56	0.43	0.74	0.71	0.74	0.51	0.72	0.56	0.50	0.49	0.04	1.00	0.48	0.71	0.76	0.07	0.00	0.85	0.94	0.93	0.92	0.94	0.90	0.90	0.95	1.00	1.00	1.00	0.97	0.95	0.94	0.96	0.95	0.89	0.90	0.78	0.89	1.00	1.00	1.00
9	16	14	0.80	0.08	0.91	0.04	0.00	0.17	0.63	0.55	0.82	0.80	0.77	0.53	0.80	0.58	0.52	0.50	0.05	1.00	0.57	0.72	0.41	0.08	0.00	0.81	0.91	0.90	0.89	0.93	0.89	0.89	0.92	0.97	1.00	0.99	0.95	0.95	0.93	0.90	0.94	0.82	0.87	0.73	0.94	1.00	1.00	1.00
9	16	15	0.87	0.10	0.89	0.09	0.00	0.21	0.66	0.65	0.88	0.87	0.82	0.55	0.87	0.59	0.58	0.56	0.13	1.00	0.45	0.72	0.45	0.10	0.02	0.70	0.83	0.83	0.82	0.76	0.85	0.85	0.88	0.93	0.97	0.95	0.91	0.90	0.88	0.85	0.89	0.82	0.76	0.68	0.84	1.00	1.00	1.00
9	16	16	0.93	0.13	0.90	0.13	0.00	0.24	0.66	0.72	0.94	0.93	0.92	0.62	0.93	0.66	0.60	0.59	0.41	1.00	0.51	0.72	0.66	0.13	0.04	0.54	0.71	0.74	0.69	0.71	0.77	0.76	0.77	0.83	0.88	0.85	0.80	0.78	0.69	0.77	0.77	0.74	0.71	0.65	0.69	1.00	1.00	1.00
9	16	17	0.96	0.20	0.89	0.17	0.06	0.27	0.67	0.74	0.96	0.96	0.96	0.69	0.96	0.72	0.61	0.60	0.29	1.00	0.50	0.69	0.59	0.20	0.10	0.28	0.46	0.47	0.45	0.43	0.59	0.55	0.58	0.56	0.63	0.64	0.56	0.51	0.50	0.52	0.51	0.52	0.51	0.38	0.27	1.00	1.00	1.00
9	16	18	0.94	0.32	0.86	0.19	0.34	0.38	0.70	0.75	0.95	0.94	0.93	0.68	0.94	0.71	0.58	0.57	0.24	0.93	0.60	0.65	0.58	0.32	0.21	0.02	0.14	0.14	0.13	0.11	0.03	0.20	0.30	0.31	0.26	0.25	0.18	0.17	0.16	0.17	0.16	0.16	0.19	0.06	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
9	16	19	0.86	0.49	0.86	0.31	0.61	0.87	0.74	0.76	0.87	0.86	0.88	0.60	0.86	0.65	0.56	0.54	0.18	0.80	0.59	0.59	0.62	0.49	0.39
9	16	20	0.68	0.63	0.83	0.40	0.69	0.89	0.75	0.73	0.70	0.67	0.86	0.51	0.68	0.56	0.57	0.56	0.26	0.78	0.73	0.62	0.67	0.63	0.55
9	16	21	0.56	0.65	0.83	0.43	0.72	0.89	0.75	0.66	0.59	0.55	0.86	0.48	0.56	0.53	0.53	0.52	0.29	0.81	0.73	0.68	0.66	0.65	0.58
9	16	22	0.55	0.67	0.88	0.37	0.78	0.91	0.73	0.62	0.59	0.54	0.82	0.46	0.56	0.51	0.47	0.45	0.27	0.82	0.69	0.56	0.58	0.67	0.60
9	16	23	0.52	0.62	0.90	0.31	0.79	0.89	0.71	0.62	0.56	0.51	0.76	0.48	0.53	0.53	0.44	0.42	0.48	0.87	0.67	0.39	0.56	0.62	0.55
9	16	24	0.55	0.62	0.87	0.31	0.81	0.78	0.70	0.68	0.59	0.55	0.77	0.51	0.56	0.56	0.45	0.44	0.54	0.88	0.67	0.31	0.46	0.62	0.54
9	17	1	0.59	0.60	0.83	0.29	0.84	0.63	0.68	0.73	0.63	0.59	0.79	0.54	0.60	0.59	0.46	0.44	0.56	0.87	0.63	0.31	0.39	0.60	0.52
9	17	2	0.63	0.69	0.81	0.26	0.86	0.42	0.63	0.74	0.66	0.63	0.74	0.58	0.64	0.63	0.48	0.46	0.58	0.82	0.61	0.41	0.49	0.69	0.62
9	17	3	0.64	0.73	0.81	0.23	0.85	0.29	0.53	0.77	0.68	0.64	0.74	0.57	0.65	0.61	0.46	0.44	0.51	0.83	0.56	0.34	0.47	0.73	0.67
9	17	4	0.58	0.71	0.74	0.20	0.82	0.44	0.44	0.77	0.62	0.58	0.66	0.53	0.59	0.58	0.38	0.36	0.47	0.84	0.55	0.23	0.43	0.71	0.65
9	17	5	0.55	0.69	0.74	0.17	0.79	0.34	0.36	0.75	0.59	0.55	0.61	0.48	0.56	0.54	0.39	0.37	0.35	0.79	0.52	0.14	0.33	0.69	0.63
9	17	6	0.44	0.65	0.73	0.14	0.74	0.21	0.31	0.73	0.48	0.43	0.59	0.46	0.45	0.52	0.38	0.36	0.23	0.56	0.32	0.14	0.24	0.65	0.57
9	17	7	0.48	0.49	0.67	0.10	0.62	0.39	0.30	0.71	0.53	0.48	0.54	0.47	0.49	0.52	0.35	0.33	0.19	0.34	0.33	0.15	0.25	0.49	0.41
9	17	8	0.48	0.51	0.55	0.05	0.32	0.25	0.28	0.66	0.53	0.48	0.44	0.43	0.49	0.48	0.27	0.25	0.20	0.31	0.39	0.19	0.40	0.51	0.42
9	17	9	0.49	0.47	0.52	0.03	0.08	0.14	0.26	0.65	0.53	0.48	0.42	0.48	0.49	0.53	0.21	0.18	0.19	0.34	0.30	0.24	0.58	0.47	0.38
9	17	10	0.50	0.45	0.49	0.03	0.01	0.09	0.25	0.72	0.55	0.50	0.42	0.55	0.51	0.60	0.18	0.16	0.17	0.27	0.19	0.29	0.67	0.45	0.35
9	17	11	0.43	0.42	0.43	0.03	0.00	0.05	0.24	0.78	0.48	0.43	0.42	0.55	0.44	0.60	0.16	0.13	0.17	0.15	0.10	0.30	0.78	0.42	0.32
9	17	12	0.31	0.46	0.42	0.03	0.00	0.04	0.25	0.81	0.37	0.31	0.45	0.51	0.32	0.57	0.13	0.11	0.22	0.06	0.16	0.28	0.84	0.46	0.36
9	17	13	0.25	0.56	0.44	0.03	0.00	0.07	0.33	0.85	0.30	0.24	0.46	0.52	0.26	0.57	0.13	0.11	0.22	0.02	0.15	0.28	0.90	0.56	0.46
9	17	14	0.24	0.50	0.47	0.03	0.00	0.10	0.43	0.88	0.29	0.23	0.48	0.53	0.25	0.58	0.16	0.14	0.24	0.02	0.19	0.26	0.93	0.50	0.40
9	17	15	0.30	0.45	0.58	0.03	0.00	0.12	0.49	0.90	0.35	0.29	0.52	0.51	0.31	0.57	0.19	0.16	0.28	0.05	0.23	0.23	0.93	0.45	0.35
9	17	16	0.39	0.42	0.65	0.03	0.00	0.19	0.57	0.89	0.43	0.38	0.54	0.50	0.40	0.55	0.20	0.18	0.29	0.43	0.27	0.20	0.88	0.42	0.31
9	17	17	0.56	0.22	0.68	0.03	0.01	0.27	0.62	0.88	0.60	0.55	0.56	0.48	0.57	0.53	0.24	0.22	0.30	0.53	0.28	0.20	0.70	0.22	0.12
9	17	18	0.49	0.28	0.68	0.04	0.09	0.30	0.67	0.88	0.53	0.49	0.55	0.47	0.50	0.52	0.28	0.26	0.28	0.14	0.10	0.23	0.47	0.28	0.17
9	17	19	0.50	0.28	0.66	0.05	0.35	0.67	0.68	0.89	0.54	0.49	0.54	0.57	0.51	0.62	0.34	0.31	0.22	0.17	0.09	0.23	0.45	0.28	0.17
9	17	20	0.50	0.39	0.60	0.09	0.46	0.65	0.68	0.87	0.54	0.50	0.58	0.69	0.51	0.73	0.37	0.35	0.22	0.19	0.10	0.16	0.53	0.39	0.29
9	17	21	0.73	0.43	0.57	0.09	0.51	0.61	0.66	0.83	0.76	0.73	0.55	0.71	0.74	0.74	0.41	0.39	0.22	0.60	0.16	0.12	0.55	0.43	0.33
9	17	22	0.57	0.44	0.55	0.06	0.57	0.49	0.58	0.76	0.60	0.56	0.47	0.64	0.58	0.68	0.39	0.37	0.20	0.40	0.26	0.07	0.49	0.44	0.34
9	17	23	0.53	0.45	0.51	0.05	0.62	0.42	0.50	0.62	0.58	0.53	0.36	0.59	0.54	0.63	0.36	0.34	0.27	0.26	0.24	0.03	0.40	0.45	0.36
9	17	24	0.42	0.57	0.51	0.06	0.67	0.49	0.41	0.44	0.47	0.41	0.26	0.55	0.43	0.59	0.32	0.30	0.30	0.09	0.26	0.00	0.28	0.57	0.48
9	18	1	0.30	0.62	0.49	0.05	0.70	0.44	0.30	0.33	0.35	0.29	0.17	0.54	0.31	0.59	0.30	0.28	0.18	0.02	0.40	0.00	0.27	0.63	0.54
9	18	2	0.15	0.55	0.40	0.06	0.69	0.38	0.27	0.25	0.21	0.14	0.10	0.50	0.16	0.56	0.28	0.26	0.09	0.02	0.48	0.02	0.26	0.55	0.47
9	18	3	0.05	0.59	0.36	0.07	0.65	0.42	0.20	0.18	0.10	0.04	0.06	0.45	0.06	0.50	0.24	0.22	0.04	0.01	0.48	0.01	0.18	0.59	0.51
9	18	4	0.02	0.60	0.34	0.09	0.58	0.36	0.14	0.16	0.07	0.01	0.03	0.39	0.03	0.46	0.21	0.19	0.03	0.01	0.50	0.02	0.09	0.60	0.52
9	18	5	0.00	0.62	0.38	0.12	0.49	0.29	0.09	0.13	0.05	0.00	0.01	0.28	0.01	0.35	0.16	0.14	0.03	0.01	0.46	0.01	0.06	0.62	0.53
9	18	6	0.00	0.53	0.41	0.16	0.37	0.10	0.05	0.10	0.03	0.00	0.00	0.11	0.00	0.18	0.15	0.13	0.03	0.01	0.32	0.00	0.09	0.53	0.43
9	18	7	0.00	0.36	0.40	0.19	0.25	0.07	0.02	0.05	0.02	0.00	0.00	0.01	0.00	0.07	0.14	0.11	0.04	0.00	0.22	0.00	0.12	0.36	0.26
9	18	8	0.00	0.28	0.28	0.09	0.08	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.08	0.02	0.00	0.25	0.00	0.07	0.28	0.18
9	18	9	0.00	0.28	0.28	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.05	0.01	0.00	0.27	0.00	0.03	0.28	0.17
9	18	10	0.00	0.27	0.31	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.05	0.00	0.29	0.02	0.02	0.27	0.16
9	18	11	0.00	0.26	0.33	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.08	0.01	0.32	0.07	0.02	0.26	0.15
9	18	12	0.00	0.23	0.33	0.13	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.09	0.06	0.35	0.18	0.03	0.23	0.12
9	18	13	0.06	0.22	0.32	0.14	0.15	0.00	0.00	0.00	0.12	0.05	0.00	0.00	0.07	0.01	0.12	0.10	0.10	0.20	0.35	0.29	0.05	0.22	0.12
9	18	14	0.17	0.22	0.32	0.15	0.28	0.00	0.00	0.02	0.23	0.16	0.00	0.00	0.18	0.02	0.15	0.13	0.16	0.36	0.33	0.37	0.07	0.22	0.11
9	18	15	0.22	0.20	0.37	0.17	0.39	0.06	0.01	0.14	0.28	0.21	0.04	0.00	0.23	0.03	0.18	0.16	0.26	0.45	0.29	0.39	0.10	0.20	0.09
9	18	16	0.34	0.18	0.47	0.16	0.55	0.28	0.04	0.30	0.39	0.33	0.16	0.01	0.34	0.07	0.21	0.19	0.17	0.53	0.24	0.43	0.16	0.18	0.08
9	18	17	0.50	0.16	0.56	0.22	0.67	0.47	0.10	0.46	0.55	0.50	0.36	0.20	0.51	0.27	0.23	0.21	0.15	0.64	0.19	0.49	0.26	0.16	0.06
9	18	18	0.57	0.16	0.63	0.29	0.74	0.67	0.19	0.55	0.61	0.57	0.47	0.38	0.58	0.45	0.26	0.24	0.15	0.71	0.14	0.47	0.44	0.16	0.06
9	18	19	0.69	0.15	0.71	0.42	0.83	0.86	0.28	0.59	0.72	0.69	0.47	0.38	0.70	0.45	0.28	0.26	0.10	0.74	0.16	0.45	0.48	0.15	0.05
9	18	20	0.71	0.14	0.72	0.48	0.86	0.92	0.33	0.60	0.74	0.71	0.44	0.38	0.71	0.44	0.29	0.27	0.06	0.72	0.23	0.39	0.50	0.14	0.04
9	18	21	0.67	0.11	0.68	0.38	0.90	0.94	0.31	0.61	0.70	0.67	0.40	0.41	0.68	0.47	0.26	0.24	0.06	0.72	0.26	0.37	0.48	0.11	0.02
9	18	22	0.62	0.09	0.59	0.35	0.93	0.88	0.30	0.62	0.65	0.62	0.49	0.52	0.63	0.57	0.24	0.22	0.10	0.75	0.31	0.40	0.46	0.09	0.01
9	18	23	0.61	0.10	0.51	0.34	0.94	0.71	0.30	0.60	0.64	0.61	0.49	0.62	0.62	0.66	0.24	0.22	0.08	0.75	0.40	0.42	0.41	0.10	0.02
9	18	24	0.64	0.10	0.41	0.33	0.93	0.71	0.27	0.55	0.67	0.63	0.45	0.60	0.64	0.65	0.20	0.18	0.06	0.74	0.44	0.45	0.43	0.10	0.02
9	19	1	0.68	0.16	0.33	0.31	0.90	0.69	0.24	0.52	0.71	0.68	0.47	0.62	0.69	0.66	0.17	0.15	0.10	0.71	0.44	0.50	0.36	0.16	0.06
9	19	2	0.73	0.22	0.28	0.33	0.90	0.59	0.21	0.50	0.76	0.73	0.51	0.71	0.74	0.75	0.14	0.12	0.11	0.69	0.42	0.54	0.28	0.22	0.11
9	19	3	0.72	0.28	0.28	0.29	0.91	0.66	0.22	0.48	0.74	0.71	0.51	0.73	0.72	0.76	0.12	0.10	0.14	0.67	0.36	0.62	0.24	0.28	0.17
9	19	4	0.65	0.29	0.25	0.31	0.89	0.73	0.22	0.45	0.68	0.65	0.51	0.72	0.66	0.75	0.11	0.09	0.20	0.64	0.26	0.65	0.22	0.29	0.18
9	19	5	0.54	0.26	0.17	0.32	0.87	0.74	0.19	0.39	0.58	0.53	0.47	0.71	0.55	0.74	0.11	0.09	0.22	0.62	0.26	0.67	0.23	0.26	0.15
9	19	6	0.48	0.27	0.13	0.32	0.87	0.59	0.18	0.34	0.52	0.47	0.48	0.70	0.49	0.74	0.12	0.10	0.20	0.65	0.25	0.70	0.26	0.27	0.16
9	19	7	0.45	0.26	0.14	0.27	0.90	0.16	0.16	0.34	0.49	0.44	0.52	0.69	0.45	0.73	0.13	0.11	0.20	0.68	0.18	0.72	0.28	0.26	0.15
9	19	8	0.49	0.19	0.17	0.16	0.88	0.13	0.15	0.38	0.52	0.48	0.52	0.56	0.49	0.61	0.17	0.14	0.19	0.74	0.10	0.72	0.37	0.19	0.09
9	19	9	0.74	0.21	0.21	0.13	0.88	0.29	0.11	0.52	0.77	0.74	0.63	0.51	0.74	0.56	0.19	0.17	0.21	0.90	0.05	0.85	0.49	0.21	0.10
9	19	10	0.87	0.17	0.34	0.12	0.86	0.54	0.11	0.66	0.89	0.87	0.69	0.52	0.87	0.57	0.23	0.21	0.19	0.96	0.06	0.93	0.61	0.17	0.07
9	19	11	0.89	0.15	0.46	0.12	0.84	0.68	0.15	0.75	0.90	0.89	0.69	0.48	0.90	0.53	0.29	0.27	0.18	0.99	0.08	0.96	0.66	0.15	0.05
9	19	12	0.87	0.14	0.49	0.11	0.85	0.73	0.19	0.80	0.88	0.87	0.69	0.50	0.87	0.55	0.36	0.34	0.19	0.99	0.13	0.97	0.72	0.14	0.05
9	19	13	0.88	0.21	0.48	0.12	0.90	0.73	0.23	0.81	0.89	0.88	0.68	0.50	0.88	0.55	0.48	0.46	0.26	0.99	0.19	0.98	0.74	0.21	0.11
9	19	14	0.90	0.37	0.47	0.14	0.94	0.81	0.29	0.80	0.91	0.90	0.69	0.50	0.91	0.55	0.55	0.53	0.30	0.99	0.25	0.98	0.73	0.37	0.25
9	19	15	0.94	0.31	0.40	0.18	0.97	0.87	0.40	0.80	0.94	0.94	0.70	0.50	0.94	0.56	0.58	0.57	0.35	0.99	0.32	0.96	0.68	0.31	0.21
9	19	16	0.96	0.36	0.32	0.30	0.98	0.93	0.48	0.81	0.96	0.96	0.74	0.52	0.96	0.57	0.61	0.60	0.55	0.98	0.37	0.95	0.65	0.36	0.25
9	19	17	0.96	0.29	0.28	0.45	0.96	0.97	0.49	0.80	0.97	0.96	0.80	0.53	0.96	0.58	0.64	0.63	0.73	0.95	0.35	0.94	0.56	0.29	0.19
9	19	18	0.95	0.42	0.21	0.34	0.92	0.97	0.48	0.71	0.96	0.95	0.88	0.61	0.95	0.65	0.58	0.57	0.75	0.84	0.33	0.92	0.40	0.42	0.32
9	19	19	0.84	0.59	0.21	0.33	0.87	0.97	0.51	0.66	0.86	0.84	0.93	0.70	0.84	0.74	0.55	0.53	0.65	0.72	0.28	0.92	0.36	0.59	0.51
9	19	20	0.69	0.76	0.20	0.35	0.77	0.68	0.52	0.64	0.71	0.68	0.94	0.65	0.69	0.69	0.46	0.44	0.68	0.63	0.25	0.86	0.32	0.76	0.70
9	19	21	0.63	0.77	0.18	0.43	0.64	0.65	0.49	0.63	0.65	0.62	0.92	0.62	0.63	0.67	0.39	0.37	0.79	0.56	0.23	0.83	0.30	0.77	0.72
9	19	22	0.77	0.76	0.19	0.45	0.43	0.59	0.41	0.58	0.79	0.76	0.88	0.55	0.77	0.60	0.40	0.38	0.85	0.52	0.20	0.76	0.29	0.76	0.70
9	19	23	0.85	0.65	0.24	0.40	0.15	0.43	0.42	0.46	0.87	0.85	0.85	0.46	0.85	0.52	0.36	0.34	0.83	0.49	0.23	0.60	0.31	0.65	0.59
9	19	24	0.72	0.59	0.20	0.34	0.02	0.27	0.39	0.35	0.74	0.72	0.88	0.46	0.72	0.52	0.32	0.30	0.76	0.47	0.24	0.51	0.34	0.59	0.51
9	20	1	0.66	0.54	0.13	0.29	0.00	0.46	0.29	0.31	0.69	0.65	0.90	0.42	0.66	0.47	0.29	0.27	0.70	0.38	0.20	0.55	0.37	0.54	0.46
9	20	2	0.59	0.56	0.09	0.35	0.00	0.31	0.18	0.25	0.63	0.59	0.92	0.43	0.60	0.49	0.24	0.22	0.65	0.44	0.25	0.62	0.40	0.56	0.47
9	20	3	0.42	0.48	0.12	0.40	0.00	0.09	0.10	0.18	0.46	0.41	0.92	0.46	0.42	0.52	0.21	0.19	0.62	0.54	0.27	0.70	0.40	0.48	0.38
9	20	4	0.26	0.29	0.20	0.43	0.00	0.02	0.02	0.10	0.31	0.25	0.91	0.49	0.27	0.54	0.19	0.17	0.63	0.51	0.26	0.74	0.41	0.29	0.19
9	20	5	0.17	0.25	0.30	0.42	0.00	0.02	0.00	0.04	0.23	0.16	0.94	0.51	0.18	0.57	0.21	0.19	0.60	0.43	0.24	0.73	0.41	0.25	0.14
9	20	6	0.10	0.24	0.39	0.39	0.00	0.02	0.00	0.02	0.16	0.09	0.93	0.45	0.11	0.50	0.25	0.23	0.52	0.39	0.21	0.68	0.42	0.24	0.12
9	20	7	0.09	0.14	0.44	0.33	0.00	0.05	0.00	0.02	0.15	0.08	0.93	0.45	0.10	0.51	0.26	0.24	0.46	0.39	0.20	0.58	0.38	0.13	0.04
9	20	8	0.23	0.11	0.42	0.30	0.00	0.03	0.00	0.06	0.29	0.23	0.89	0.48	0.24	0.54	0.18	0.16	0.27	0.36	0.23	0.57	0.38	0.11	0.02
9	20	9	0.32	0.10	0.38	0.29	0.00	0.00	0.00	0.11	0.37	0.31	0.82	0.46	0.33	0.51	0.13	0.11	0.19	0.37	0.42	0.61	0.45	0.10	0.02
9	20	10	0.30	0.12	0.43	0.28	0.00	0.00	0.00	0.11	0.35	0.29	0.69	0.57	0.31	0.62	0.11	0.09	0.14	0.35	0.58	0.73	0.52	0.12	0.03
9	20	11	0.28	0.16	0.53	0.28	0.00	0.00	0.02	0.09	0.33	0.27	0.54	0.59	0.29	0.64	0.13	0.11	0.11	0.28	0.62	0.75	0.58	0.16	0.06
9	20	12	0.26	0.21	0.70	0.24	0.00	0.00	0.08	0.06	0.32	0.26	0.40	0.52	0.27	0.57	0.17	0.15	0.08	0.27	0.64	0.75	0.66	0.21	0.11
9	20	13	0.27	0.38	0.78	0.18	0.00	0.00	0.11	0.03	0.32	0.26	0.36	0.48	0.28	0.54	0.24	0.22	0.07	0.32	0.64	0.74	0.69	0.39	0.27
9	20	14	0.28	0.45	0.88	0.13	0.00	0.00	0.13	0.01	0.33	0.27	0.38	0.44	0.29	0.50	0.33	0.31	0.08	0.44	0.64	0.73	0.66	0.45	0.33
9	20	15	0.30	0.30	0.92	0.07	0.00	0.00	0.16	0.00	0.35	0.29	0.36	0.43	0.31	0.49	0.38	0.36	0.08	0.52	0.64	0.74	0.64	0.30	0.21
9	20	16	0.31	0.50	0.89	0.04	0.00	0.01	0.18	0.00	0.37	0.30	0.38	0.43	0.32	0.49	0.39	0.37	0.10	0.61	0.63	0.74	0.60	0.50	0.39
9	20	17	0.30	0.46	0.82	0.04	0.00	0.01	0.11	0.00	0.36	0.30	0.42	0.41	0.31	0.47	0.37	0.34	0.09	0.69	0.54	0.68	0.51	0.46	0.36
9	20	18	0.31	0.40	0.79	0.09	0.00	0.04	0.01	0.01	0.36	0.30	0.43	0.39	0.32	0.45	0.36	0.34	0.10	0.62	0.50	0.38	0.37	0.40	0.30
9	20	19	0.37	0.38	0.77	0.21	0.05	0.06	0.00	0.07	0.43	0.37	0.41	0.43	0.38	0.49	0.35	0.33	0.15	0.62	0.49	0.18	0.37	0.38	0.28
9	20	20	0.38	0.41	0.72	0.35	0.23	0.05	0.02	0.06	0.43	0.38	0.30	0.57	0.39	0.62	0.32	0.30	0.15	0.62	0.54	0.16	0.38	0.41	0.30
9	20	21	0.44	0.40	0.63	0.34	0.36	0.11	0.06	0.02	0.49	0.43	0.31	0.63	0.45	0.67	0.30	0.28	0.16	0.60	0.60	0.17	0.35	0.41	0.30
9	20	22	0.41	0.35	0.45	0.28	0.42	0.29	0.05	0.01	0.46	0.40	0.37	0.66	0.42	0.70	0.20	0.18	0.22	0.49	0.71	0.24	0.31	0.35	0.24
9	20	23	0.30	0.20	0.32	0.25	0.51	0.51	0.04	0.02	0.35	0.29	0.38	0.67	0.31	0.70	0.12	0.10	0.29	0.33	0.77	0.29	0.31	0.20	0.10
9	20	24	0.16	0.13	0.26	0.20	0.56	0.39	0.02	0.01	0.22	0.15	0.31	0.64	0.17	0.68	0.08	0.06	0.40	0.23	0.80	0.35	0.27	0.12	0.04
9	21	1	0.07	0.18	0.23	0.20	0.60	0.22	0.03	0.00	0.12	0.06	0.21	0.65	0.08	0.69	0.06	0.05	0.49	0.10	0.78	0.35	0.25	0.18	0.07
9	21	2	0.00	0.19	0.21	0.20	0.60	0.09	0.03	0.00	0.03	0.00	0.11	0.64	0.00	0.68	0.05	0.03	0.45	0.05	0.72	0.37	0.23	0.19	0.09
9	21	3	0.00	0.22	0.20	0.20	0.56	0.04	0.06	0.00	0.00	0.00	0.07	0.59	0.00	0.64	0.04	0.03	0.34	0.03	0.61	0.36	0.18	0.22	0.12
9	21	4	0.00	0.31	0.20	0.22	0.47	0.04	0.09	0.00	0.00	0.00	0.06	0.53	0.00	0.59	0.05	0.03	0.24	0.01	0.60	0.35	0.16	0.31	0.21
9	21	5	0.00	0.47	0.18	0.23	0.37	0.02	0.11	0.01	0.00	0.00	0.06	0.38	0.00	0.45	0.05	0.04	0.14	0.00	0.62	0.38	0.14	0.47	0.37
9	21	6	0.00	0.63	0.16	0.24	0.24	0.01	0.07	0.06	0.00	0.00	0.04	0.09	0.00	0.16	0.06	0.05	0.07	0.00	0.58	0.37	0.14	0.63	0.54
9	21	7	0.00	0.60	0.12	0.24	0.10	0.00	0.07	0.09	0.00	0.00	0.03	0.00	0.00	0.04	0.06	0.04	0.05	0.00	0.53	0.35	0.11	0.60	0.53
9	21	8	0.00	0.63	0.08	0.20	0.01	0.02	0.06	0.09	0.00	0.00	0.04	0.00	0.00	0.06	0.05	0.03	0.02	0.00	0.57	0.29	0.10	0.63	0.56
9	21	9	0.00	0.61	0.05	0.15	0.00	0.00	0.06	0.12	0.00	0.00	0.16	0.02	0.00	0.08	0.04	0.02	0.01	0.00	0.58	0.14	0.07	0.61	0.53
9	21	10	0.00	0.52	0.09	0.13	0.00	0.00	0.07	0.21	0.00	0.00	0.27	0.07	0.00	0.14	0.04	0.03	0.00	0.00	0.59	0.18	0.06	0.52	0.43
9	21	11	0.01	0.48	0.12	0.14	0.00	0.00	0.14	0.31	0.04	0.01	0.25	0.11	0.01	0.19	0.04	0.03	0.00	0.00	0.59	0.31	0.06	0.48	0.38
9	21	12	0.13	0.39	0.15	0.15	0.00	0.00	0.24	0.35	0.19	0.12	0.25	0.15	0.14	0.22	0.05	0.04	0.00	0.00	0.58	0.41	0.08	0.39	0.28
9	21	13	0.28	0.29	0.17	0.15	0.00	0.00	0.21	0.36	0.33	0.27	0.34	0.11	0.29	0.18	0.06	0.04	0.02	0.00	0.57	0.43	0.10	0.29	0.18
9	21	14	0.32	0.20	0.16	0.17	0.00	0.00	0.26	0.37	0.38	0.32	0.47	0.10	0.33	0.17	0.06	0.04	0.02	0.01	0.48	0.42	0.19	0.20	0.09
9	21	15	0.37	0.15	0.17	0.18	0.00	0.00	0.32	0.48	0.42	0.36	0.49	0.09	0.38	0.16	0.05	0.04	0.02	0.00	0.37	0.34	0.23	0.15	0.05
9	21	16	0.37	0.15	0.15	0.20	0.02	0.00	0.31	0.63	0.42	0.36	0.43	0.11	0.38	0.18	0.05	0.03	0.02	0.01	0.28	0.28	0.18	0.15	0.06
9	21	17	0.49	0.19	0.09	0.18	0.12	0.07	0.25	0.66	0.53	0.48	0.44	0.22	0.49	0.29	0.05	0.03	0.03	0.00	0.21	0.29	0.20	0.19	0.09
9	21	18	0.49	0.27	0.09	0.20	0.35	0.28	0.21	0.51	0.54	0.48	0.46	0.40	0.50	0.47	0.06	0.04	0.06	0.00	0.25	0.36	0.19	0.27	0.16
9	21	19	0.38	0.28	0.13	0.27	0.62	0.20	0.34	0.45	0.43	0.37	0.32	0.43	0.39	0.49	0.08	0.06	0.16	0.12	0.34	0.36	0.14	0.28	0.17
9	21	20	0.36	0.21	0.23	0.33	0.69	0.58	0.35	0.41	0.41	0.35	0.34	0.45	0.37	0.50	0.10	0.08	0.20	0.37	0.45	0.26	0.18	0.21	0.10
9	21	21	0.41	0.14	0.43	0.38	0.71	0.40	0.28	0.46	0.45	0.40	0.42	0.51	0.41	0.56	0.15	0.13	0.22	0.46	0.47	0.24	0.33	0.14	0.05
9	21	22	0.40	0.15	0.57	0.40	0.71	0.78	0.37	0.49	0.45	0.39	0.49	0.54	0.40	0.59	0.20	0.18	0.29	0.51	0.44	0.25	0.47	0.15	0.06
9	21	23	0.31	0.20	0.60	0.47	0.75	0.63	0.37	0.47	0.36	0.30	0.57	0.59	0.32	0.64	0.21	0.18	0.48	0.36	0.44	0.29	0.49	0.20	0.09
9	21	24	0.38	0.22	0.66	0.46	0.81	0.51	0.26	0.36	0.43	0.37	0.63	0.69	0.39	0.72	0.22	0.20	0.48	0.39	0.42	0.51	0.50	0.22	0.11
9	22	1	0.32	0.26	0.70	0.47	0.80	0.58	0.26	0.26	0.37	0.31	0.56	0.73	0.33	0.77	0.27	0.25	0.53	0.42	0.39	0.63	0.56	0.26	0.15
9	22	2	0.27	0.28	0.68	0.47	0.71	0.27	0.22	0.18	0.32	0.26	0.47	0.62	0.28	0.66	0.30	0.28	0.50	0.52	0.35	0.62	0.57	0.28	0.17
9	22	3	0.26	0.28	0.62	0.42	0.55	0.24	0.25	0.13	0.32	0.26	0.45	0.48	0.27	0.53	0.35	0.33	0.47	0.52	0.35	0.51	0.28	0.28	0.17
9	22	4	0.15	0.26	0.62	0.38	0.39	0.57	0.21	0.07	0.20	0.14	0.45	0.42	0.16	0.48	0.43	0.41	0.48	0.47	0.32	0.41	0.32	0.26	0.15
9	22	5	0.08	0.26	0.64	0.36	0.25	0.36	0.17	0.01	0.14	0.07	0.36	0.41	0.09	0.47	0.47	0.45	0.53	0.36	0.33	0.42	0.33	0.26	0.15
9	22	6	0.07	0.24	0.65	0.42	0.12	0.16	0.12	0.00	0.13	0.06	0.31	0.35	0.08	0.42	0.51	0.49	0.38	0.56	0.37	0.49	0.29	0.24	0.12
9	22	7	0.08	0.12	0.63	0.38	0.04	0.02	0.08	0.00	0.14	0.07	0.29	0.29	0.09	0.36	0.52	0.50	0.26	0.64	0.35	0.62	0.38	0.12	0.03
9	22	8	0.16	0.06	0.59	0.34	0.00	0.04	0.04	0.00	0.22	0.15	0.40	0.31	0.17	0.37	0.38	0.36	0.22	0.55	0.27	0.63	0.51	0.06	0.00
9	22	9	0.21	0.06	0.54	0.29	0.00	0.02	0.06	0.01	0.27	0.20	0.57	0.48	0.22	0.54	0.25	0.23	0.16	0.65	0.26	0.61	0.61	0.06	0.00

Solar / Geothermal / Biomass / Small Hydro

Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
9	16	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	6	0.00	0.02	0.06	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.03	0.12	0.07	0.03	0.02	0.07	0.03	0.05	0.11	0.12	1.00	1.00	1.00
9	17	7	0.02	0.24	0.31	0.24	0.23	0.17	0.24	0.35	0.25	0.41	0.50	0.52	0.46	0.44	0.37	0.46	0.20	0.42	0.48	0.26	1.00	1.00	1.00
9	17	8	0.26	0.52	0.50	0.51	0.53	0.49	0.58	0.66	0.53	0.73	0.78	0.77	0.74	0.72	0.64	0.73	0.40	0.66	0.60	0.30	1.00	1.00	1.00
9	17	9	0.52	0.74	0.68	0.73	0.82	0.71	0.76	0.83	0.83	0.94	0.93	0.90	0.86	0.86	0.86	0.85	0.58	0.83	0.79	0.37	1.00	1.00	1.00
9	17	10	0.70	0.87	0.78	0.85	0.91	0.86	0.86	0.92	0.96	1.00	1.00	0.99	0.95	0.94	0.95	0.94	0.79	0.90	0.79	0.35	1.00	1.00	1.00
9	17	11	0.79	0.91	0.78	0.89	0.78	0.91	0.91	0.92	1.00	1.00	1.00	1.00	0.99	0.95	0.98	0.98	0.86	0.83	0.84	0.37	1.00	1.00	1.00
9	17	12	0.85	0.94	0.81	0.92	0.87	0.93	0.91	0.89	1.00	1.00	1.00	1.00	0.99	0.95	0.98	0.98	0.91	0.83	0.81	0.53	1.00	1.00	1.00
9	17	13	0.85	0.94	0.82	0.92	0.84	0.92	0.90	0.88	1.00	1.00	1.00	1.00	1.00	0.98	0.96	0.99	0.81	0.82	0.77	0.57	1.00	1.00	1.00
9	17	14	0.81	0.91	0.82	0.89	0.87	0.89	0.88	0.80	0.99	1.00	1.00	0.99	0.98	0.94	0.95	0.98	0.71	0.81	0.83	0.63	1.00	1.00	1.00
9	17	15	0.71	0.84	0.68	0.82	0.76	0.85	0.84	0.77	0.94	1.00	0.97	0.94	0.92	0.90	0.90	0.92	0.54	0.73	0.78	0.58	1.00	1.00	1.00
9	17	16	0.55	0.72	0.58	0.70	0.76	0.76	0.75	0.72	0.84	0.89	0.86	0.84	0.80	0.73	0.75	0.80	0.42	0.73	0.73	0.38	1.00	1.00	1.00
9	17	17	0.29	0.47	0.40	0.46	0.66	0.56	0.54	0.53	0.56	0.63	0.62	0.54	0.52	0.50	0.52	0.51	0.31	0.59	0.42	0.17	1.00	1.00	1.00
9	17	18	0.02	0.14	0.11	0.13	0.17	0.02	0.30	0.27	0.27	0.25	0.23	0.16	0.16	0.15	0.16	0.16	0.09	0.22	0.06	0.00	1.00	1.00	1.00
9	17	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	6	0.00	0.02	0.13	0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.03	0.13	0.05	0.03	0.02	0.05	0.15	0.09	0.12	0.32	1.00	1.00	1.00
9	18	7	0.02	0.22	0.51	0.22	0.10	0.18	0.23	0.34	0.17	0.41	0.47	0.51	0.46	0.44	0.34	0.46	0.55	0.51	0.52	0.69	1.00	1.00	1.00
9	18	8	0.25	0.50	0.76	0.49	0.43	0.54	0.56	0.65	0.42	0.73	0.75	0.74	0.74	0.72	0.64	0.73	0.76	0.74	0.75	0.90	1.00	1.00	1.00
9	18	9	0.50	0.71	0.88	0.70	0.73	0.77	0.75	0.81	0.64	0.91	0.91	0.88	0.87	0.87	0.83	0.86	0.85	0.86	0.88	1.00	1.00	1.00	1.00
9	18	10	0.69	0.85	0.95	0.83	0.87	0.86	0.84	0.89	0.87	1.00	0.99	0.96	0.94	0.96	0.91	0.93	0.92	0.91	0.94	1.00	1.00	1.00	1.00
9	18	11	0.79	0.91	0.99	0.90	0.94	0.91	0.89	0.92	0.96	1.00	1.00	0.98	0.98	0.98	0.94	0.97	0.93	0.93	0.97	1.00	1.00	1.00	1.00
9	18	12	0.85	0.94	1.00	0.92	0.97	0.92	0.90	0.93	0.98	1.00	1.00	1.00	0.98	0.99	0.95	0.98	0.93	0.93	0.97	1.00	1.00	1.00	1.00
9	18	13	0.85	0.93	0.98	0.91	0.93	0.88	0.87	0.93	0.97	1.00	1.00	0.98	0.99	0.99	0.95	0.98	0.92	0.92	0.96	0.99	1.00	1.00	1.00
9	18	14	0.81	0.91	0.96	0.89	0.92	0.88	0.87	0.91	0.95	1.00	0.99	0.98	0.97	0.96	0.94	0.96	0.90	0.89	0.93	0.98	1.00	1.00	1.00
9	18	15	0.71	0.84	0.90	0.82	0.82	0.82	0.82	0.88	0.87	0.98	0.96	0.93	0.92	0.90	0.91	0.92	0.87	0.84	0.87	0.88	1.00	1.00	1.00
9	18	16	0.54	0.70	0.76	0.69	0.64	0.75	0.74	0.79	0.76	0.85	0.86	0.81	0.80	0.78	0.79	0.79	0.78	0.77	0.73	0.61	1.00	1.00	1.00
9	18	17	0.27	0.45	0.48	0.44	0.37	0.55	0.54	0.58	0.51	0.58	0.62	0.48	0.55	0.52	0.53	0.55	0.52	0.58	0.44	0.33	1.00	1.00	1.00
9	18	18	0.02	0.14	0.12	0.14	0.13	0.15	0.30	0.27	0.28	0.23	0.22	0.13	0.17	0.16	0.16	0.17	0.14	0.21	0.06	0.00	1.00	1.00	1.00
9	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	6	0.00	0.01	0.13	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.03	0.11	0.04	0.03	0.02	0.04	0.18	0.08	0.12	0.31	1.00	1.00	1.00
9	19	7	0.02	0.20	0.50	0.20	0.12	0.10	0.08	0.30	0.10	0.33	0.47	0.52	0.45	0.43	0.36	0.45	0.54	0.47	0.53	0.69	1.00	1.00	1.00
9	19	8	0.22	0.42	0.74	0.41	0.26	0.38	0.27	0.50	0.24	0.52	0.69	0.77	0.73	0.72	0.59	0.72	0.75	0.68	0.75	0.89	1.00	1.00	1.00
9	19	9	0.42	0.58	0.84	0.57	0.32	0.66	0.34	0.60	0.36	0.69	0.87	0.89	0.86	0.84	0.77	0.86	0.84	0.77	0.87	0.92	1.00	1.00	1.00
9	19	10	0.56	0.69	0.85	0.68	0.32	0.83	0.47	0.73	0.50	0.80	0.88	0.97	0.96	0.95	0.79	0.95	0.85	0.75	0.94	0.94	1.00	1.00	1.00
9	19	11	0.64	0.73	0.81	0.71	0.29	0.70	0.46	0.65	0.61	0.99	0.90	1.00	0.99	0.98	0.84	0.98	0.90	0.69	0.97	0.84	1.00	1.00	1.00
9	19	12	0.68	0.76	0.77	0.74	0.24	0.78	0.64	0.64	0.50	0.95	0.92	1.00	0.99	0.99	0.95	0.98	0.89	0.72	0.97	0.84	1.00	1.00	1.00
9	19	13	0.71	0.78	0.79	0.77	0.30	0.80	0.85	0.60	0.57	0.90	0.93	1.00	0.98	0.97	0.93	0.98	0.91	0.67	0.96	0.80	1.00	1.00	1.00
9	19	14	0.65	0.73	0.67	0.72	0.17	0.74	0.84	0.45	0.67	0.77	0.91	0.99	0.97	0.96	0.89	0.97	0.89	0.52	0.93	0.83	1.00	1.00	1.00
9	19	15	0.56	0.67	0.63	0.65	0.14	0.55	0.65	0.62	0.56	0.77	0.86	0.93	0.92	0.90	0.89	0.91	0.86	0.56	0.87	0.75	1.00	1.00	1.00
9	19	16	0.45	0.59	0.53	0.58	0.10	0.53	0.71	0.57	0.60	0.68	0.78	0.84	0.81	0.79	0.78	0.80	0.77	0.48	0.73	0.63	1.00	1.00	1.00
9	19	17	0.23	0.38	0.31	0.37	0.05	0.44	0.57	0.47	0.40	0.38	0.55	0.55	0.55	0.53	0.50	0.55	0.55	0.31	0.42	0.30	1.00	1.00	1.00
9	19	18	0.02	0.12	0.06	0.11	0.01	0.22	0.32	0.19	0.19	0.13	0.18	0.16	0.17	0.15	0.14	0.16	0.17	0.09	0.05	0.00	1.00	1.00	1.00
9	19	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
9	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	6	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.12	0.03	0.01	0.00	0.03	0.17	0.07	0.10	0.15	1.00	1.00	1.00
9	20	7	0.01	0.15	0.34	0.15	0.27	0.07	0.19	0.13	0.27	0.35	0.30	0.45	0.26	0.13	0.02	0.26	0.53	0.35	0.46	0.35	1.00	1.00	1.00
9	20	8	0.17	0.32	0.58	0.32	0.56	0.05	0.45	0.43	0.61	0.68	0.52	0.34	0.37	0.25	0.16	0.37	0.74	0.50	0.67	0.59	1.00	1.00	1.00
9	20	9	0.34	0.47	0.70	0.46	0.75	0.14	0.58	0.66	0.71	0.83	0.51	0.55	0.40	0.38	0.33	0.40	0.85	0.63	0.79	0.54	1.00	1.00	1.00
9	20	10	0.43	0.53	0.81	0.52	0.89	0.14	0.70	0.72	0.59	1.00	0.37	0.66	0.36	0.53	0.29	0.36	0.90	0.71	0.85	0.49	1.00	1.00	1.00
9	20	11	0.55	0.63	0.79	0.62	0.99	0.29	0.87	0.78	0.71	1.00	0.42	0.66	0.38	0.52	0.58	0.38	0.87	0.64	0.87	0.36	1.00	1.00	1.00
9	20	12	0.57	0.63	0.77	0.62	0.99	0.48	0.91	0.78	0.59	1.00	0.52	0.26	0.48	0.50	0.64	0.47	0.79	0.67	0.82	0.35	1.00	1.00	1.00
9	20	13	0.61	0.67	0.72	0.66	0.98	0.77	0.91	0.81	0.54	0.96	0.42	0.53	0.54	0.45	0.68	0.54	0.68	0.66	0.85	0.21	1.00	1.00	1.00
9	20	14	0.59	0.66	0.68	0.65	0.96	0.90	0.91	0.71	0.64	0.84	0.53	0.25	0.67	0.48	0.64	0.66	0.76	0.62	0.75	0.08	1.00	1.00	1.00
9	20	15	0.50	0.59	0.61	0.58	0.92	0.89	0.83	0.60	0.67	0.68	0.46	0.27	0.53	0.39	0.60	0.53	0.61	0.59	0.64	0.11	1.00	1.00	1.00
9	20	16	0.37	0.49	0.56	0.48	0.84	0.79	0.74	0.59	0.44	0.25	0.53	0.39	0.47	0.38	0.48	0.47	0.58	0.62	0.59	0.08	1.00	1.00	1.00
9	20	17	0.21	0.34	0.37	0.34	0.64	0.58	0.38	0.45	0.37	0.23	0.38	0.47	0.30	0.26	0.39	0.30	0.40	0.45	0.36	0.04	1.00	1.00	1.00
9	20	18	0.02	0.11	0.09	0.11	0.32	0.33	0.19	0.18	0.16	0.07	0.10	0.10	0.07	0.06	0.10	0.07	0.07	0.14	0.03	0.00	1.00	1.00	1.00
9	20	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	6	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.11	0.03	0.10	0.21	1.00	1.00	1.00
9	21	7	0.01	0.11	0.41	0.10	0.31	0.17	0.11	0.17	0.07	0.19	0.25	0.01	0.13	0.07	0.25	0.13	0.40	0.24	0.51	0.58	1.00	1.00	1.00
9	21	8	0.14	0.28	0.62	0.28	0.65	0.55	0.39	0.39	0.18	0.50	0.46	0.12	0.16	0.07	0.40	0.16	0.56	0.33	0.71	0.85	1.00	1.00	1.00
9	21	9	0.27	0.39	0.79	0.39	0.81	0.77	0.67	0.57	0.36	0.68	0.34	0.12	0.08	0.17	0.40	0.08	0.80	0.42	0.83	1.00	1.00	1.00	1.00
9	21	10	0.40	0.50	0.84	0.49	0.89	0.83	0.76	0.61	0.60	0.92	0.58	0.08	0.04	0.14	0.53	0.04	0.83	0.49	0.91	1.00	1.00	1.00	1.00
9	21	11	0.47	0.54	0.85	0.53	0.89	0.89	0.82	0.63	0.83	0.87	0.57	0.02	0.01	0.13	0.57	0.01	0.86	0.49	0.93	1.00	1.00	1.00	1.00
9	21	12	0.51	0.57	0.79	0.56	0.88	0.89	0.80	0.56	0.75	0.94	0.60	0.03	0.12	0.36	0.53	0.12	0.75	0.39	0.90	1.00	1.00	1.00	1.00
9	21	13	0.43	0.47	0.69	0.46	0.88	0.83	0.58	0.65	0.59	0.59	0.58	0.04	0.08	0.05	0.46	0.08	0.66	0.35	0.70	1.00	1.00	1.00	1.00
9	21	14	0.36	0.41	0.61	0.40	0.83	0.76	0.22	0.70	0.35	0.41	0.40	0.02	0.13	0.22	0.59	0.13	0.62	0.35	0.69	0.99	1.00	1.00	1.00
9	21	15	0.29	0.34	0.56	0.33	0.70	0.61	0.37	0.50	0.16	0.31	0.39	0.01	0.10	0.22	0.54	0.10	0.59	0.28	0.50	0.89	1.00	1.00	1.00
9	21	16	0.24	0.30	0.39	0.30	0.52	0.52	0.35	0.33	0.13	0.50	0.45	0.06	0.09	0.37	0.40	0.09	0.34	0.22	0.39	0.69	1.00	1.00	1.00
9	21	17	0.12	0.20	0.23	0.19	0.34	0.41	0.18	0.19	0.06	0.25	0.33	0.13	0.12	0.23	0.30	0.12	0.31	0.18	0.26	0.31	1.00	1.00	1.00
9	21	18	0.01	0.05	0.03	0.05	0.17	0.22	0.03	0.05	0.01	0.09	0.10	0.02	0.01	0.05	0.07	0.01	0.08	0.04	0.02	0.00	1.00	1.00	1.00
9	21	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
9	21	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	21	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	6	0.00	0.01	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.01	0.03	0.00	0.02	0.04	0.29	1.00	1.00	1.00
9	22	7	0.01	0.13	0.23	0.13	0.00	0.02	0.01	0.12	0.07	0.22	0.30	0.30	0.43	0.36	0.24	0.43	0.01	0.21	0.23	0.68	1.00	1.00	1.00
9	22	8	0.16	0.29	0.45	0.29	0.08	0.05	0.03	0.38	0.29	0.31	0.37	0.71	0.65	0.67	0.41	0.65	0.03	0.34	0.46	0.90	1.00	1.00	1.00
9	22	9	0.29	0.39	0.59	0.39	0.08	0.11	0.09	0.48	0.32	0.42	0.47	0.70	0.84	0.84	0.50	0.83	0.06	0.43	0.61	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Californ	Pacific_North	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fo	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
9	22	10	0.09	0.07	0.48	0.30	0.00	0.01	0.08	0.06	0.14	0.08	0.62	0.62	0.10	0.67	0.21	0.18	0.08	0.40	0.30	0.65	0.70	0.07	0.00	0.39	0.48	0.63	0.47	0.14	0.15	0.21	0.62	0.56	0.11	0.35	0.98	0.99	0.84	0.64	0.98	0.11	0.50	0.56	1.00	1.00	1.00	1.00
9	22	11	0.22	0.09	0.35	0.30	0.00	0.00	0.07	0.13	0.28	0.21	0.59	0.64	0.23	0.68	0.22	0.20	0.04	0.40	0.31	0.77	0.79	0.09	0.01	0.43	0.49	0.64	0.48	0.03	0.19	0.54	0.54	0.49	0.22	0.38	0.85	1.00	0.74	0.59	1.00	0.19	0.61	0.58	1.00	1.00	1.00	1.00
9	22	12	0.17	0.10	0.23	0.30	0.00	0.00	0.03	0.13	0.23	0.16	0.60	0.60	0.18	0.64	0.19	0.16	0.14	0.67	0.30	0.82	0.77	0.10	0.01	0.41	0.46	0.69	0.45	0.08	0.17	0.63	0.43	0.32	0.28	0.41	0.64	0.79	0.75	0.66	0.78	0.25	0.61	0.68	1.00	1.00	1.00	1.00
9	22	13	0.28	0.11	0.15	0.32	0.00	0.08	0.02	0.13	0.34	0.27	0.64	0.60	0.29	0.64	0.16	0.14	0.25	0.55	0.29	0.85	0.83	0.11	0.02	0.39	0.43	0.62	0.42	0.09	0.34	0.47	0.39	0.48	0.02	0.16	0.80	0.87	0.71	0.53	0.86	0.15	0.61	0.60	0.98	1.00	1.00	1.00
9	22	14	0.40	0.13	0.13	0.39	0.00	0.67	0.00	0.27	0.45	0.39	0.71	0.62	0.41	0.66	0.18	0.16	0.40	0.69	0.32	0.89	0.68	0.13	0.03	0.34	0.39	0.60	0.38	0.08	0.40	0.39	0.26	0.45	0.11	0.03	0.69	0.70	0.69	0.62	0.69	0.14	0.64	0.52	0.97	1.00	1.00	1.00
9	22	15	0.60	0.17	0.20	0.45	0.00	0.25	0.00	0.38	0.64	0.60	0.77	0.60	0.61	0.64	0.20	0.17	0.38	0.63	0.28	0.92	0.58	0.17	0.07	0.34	0.40	0.55	0.39	0.02	0.57	0.54	0.14	0.47	0.15	0.46	0.65	0.35	0.66	0.68	0.34	0.28	0.61	0.38	0.89	1.00	1.00	1.00
9	22	16	0.77	0.22	0.24	0.42	0.00	0.15	0.02	0.45	0.80	0.77	0.87	0.58	0.78	0.62	0.23	0.20	0.32	0.48	0.27	0.91	0.72	0.22	0.12	0.30	0.40	0.45	0.39	0.04	0.56	0.64	0.20	0.38	0.38	0.21	0.80	0.37	0.67	0.58	0.36	0.42	0.55	0.34	0.70	1.00	1.00	1.00
9	22	17	0.74	0.31	0.45	0.35	0.00	0.22	0.00	0.44	0.77	0.74	0.94	0.73	0.75	0.76	0.35	0.33	0.22	0.45	0.28	0.90	0.67	0.31	0.20	0.15	0.25	0.28	0.24	0.04	0.36	0.32	0.19	0.19	0.28	0.14	0.50	0.39	0.47	0.39	0.39	0.36	0.47	0.22	0.28	1.00	1.00	1.00
9	22	18	0.62	0.44	0.64	0.34	0.03	0.23	0.00	0.34	0.65	0.62	0.96	0.77	0.63	0.80	0.47	0.45	0.25	0.35	0.35	0.81	0.54	0.44	0.34	0.01	0.05	0.05	0.05	0.01	0.17	0.11	0.04	0.08	0.07	0.03	0.12	0.08	0.11	0.07	0.08	0.10	0.13	0.01	0.00	1.00	1.00	1.00
9	22	19	0.63	0.60	0.65	0.43	0.14	0.77	0.00	0.28	0.67	0.63	0.95	0.68	0.64	0.71	0.47	0.45	0.32	0.41	0.36	0.69	0.47	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
9	22	20	0.61	0.69	0.49	0.45	0.20	0.87	0.00	0.28	0.64	0.61	0.89	0.66	0.62	0.70	0.49	0.47	0.29	0.52	0.39	0.61	0.40	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	21	0.69	0.70	0.51	0.43	0.21	0.79	0.00	0.40	0.72	0.69	0.82	0.59	0.70	0.64	0.45	0.43	0.28	0.58	0.38	0.57	0.31	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	22	0.67	0.67	0.50	0.39	0.16	0.51	0.00	0.47	0.70	0.67	0.74	0.52	0.68	0.56	0.43	0.41	0.34	0.62	0.43	0.50	0.29	0.67	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	23	0.63	0.66	0.49	0.36	0.12	0.39	0.00	0.51	0.66	0.63	0.68	0.51	0.64	0.56	0.41	0.40	0.51	0.63	0.48	0.36	0.34	0.66	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	22	24	0.57	0.60	0.45	0.36	0.09	0.62	0.00	0.52	0.61	0.57	0.60	0.60	0.58	0.64	0.43	0.41	0.63	0.66	0.55	0.29	0.37	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	1	0.58	0.57	0.41	0.39	0.08	0.49	0.00	0.53	0.61	0.57	0.65	0.71	0.58	0.75	0.42	0.40	0.54	0.66	0.50	0.24	0.42	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	2	0.60	0.55	0.50	0.45	0.08	0.30	0.00	0.53	0.63	0.59	0.69	0.66	0.60	0.70	0.39	0.37	0.61	0.66	0.50	0.31	0.45	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	3	0.59	0.54	0.53	0.40	0.08	0.22	0.00	0.51	0.62	0.58	0.71	0.70	0.59	0.73	0.36	0.33	0.40	0.68	0.46	0.30	0.45	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	4	0.55	0.50	0.56	0.35	0.06	0.19	0.00	0.48	0.59	0.54	0.63	0.70	0.56	0.73	0.30	0.28	0.51	0.68	0.41	0.21	0.42	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	5	0.50	0.45	0.58	0.27	0.01	0.16	0.00	0.46	0.54	0.49	0.54	0.68	0.50	0.72	0.28	0.26	0.72	0.64	0.34	0.19	0.41	0.45	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	6	0.46	0.44	0.58	0.24	0.00	0.12	0.00	0.44	0.51	0.46	0.49	0.59	0.47	0.64	0.28	0.25	0.57	0.66	0.43	0.18	0.40	0.44	0.34	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.03	0.03	0.01	0.03	0.07	0.03	0.05	0.07	1.00	1.00	1.00
9	23	7	0.38	0.42	0.63	0.19	0.00	0.13	0.00	0.41	0.43	0.37	0.48	0.52	0.39	0.57	0.27	0.25	0.44	0.69	0.61	0.13	0.40	0.42	0.32	0.02	0.20	0.24	0.19	0.15	0.05	0.07	0.25	0.17	0.33	0.48	0.54	0.49	0.41	0.26	0.48	0.37	0.26	0.37	0.27	1.00	1.00	1.00
9	23	8	0.46	0.45	0.58	0.12	0.00	0.12	0.00	0.35	0.50	0.45	0.45	0.45	0.46	0.51	0.20	0.18	0.34	0.74	0.72	0.12	0.47	0.45	0.34	0.25	0.47	0.49	0.46	0.39	0.21	0.53	0.61	0.35	0.62	0.74	0.79	0.77	0.73	0.61	0.76	0.59	0.47	0.66	0.50	1.00	1.00	1.00
9	23	9	0.63	0.35	0.53	0.06	0.00	0.09	0.00	0.33	0.66	0.62	0.42	0.47	0.63	0.53	0.19	0.17	0.37	0.90	0.69	0.11	0.60	0.35	0.25	0.48	0.66	0.61	0.65	0.49	0.36	0.74	0.76	0.50	0.92	0.93	0.94	0.92	0.88	0.82	0.91	0.75	0.59	0.80	0.64	1.00	1.00	1.00
9	23	10	0.66	0.35	0.48	0.06	0.00	0.11	0.00	0.33	0.69	0.66	0.33	0.46	0.67	0.52	0.18	0.16	0.40	0.90	0.67	0.10	0.67	0.35	0.25	0.63	0.77	0.65	0.75	0.56	0.47	0.71	0.78	0.71	1.00	1.00	1.00	0.98	0.94	0.89	0.98	0.83	0.67	0.84	0.65	1.00	1.00	1.00
9	23	11	0.54	0.35	0.39	0.07	0.00	0.06	0.00	0.35	0.58	0.54	0.26	0.36	0.55	0.42	0.19	0.17	0.45	0.85	0.75	0.10	0.75	0.35	0.24	0.71	0.81	0.61	0.80	0.67	0.50	0.76	0.64	0.79	1.00	1.00	1.00	1.00	0.94	0.93	1.00	0.67	0.63	0.86	0.61	1.00	1.00	1.00
9	23	12	0.47	0.37	0.36	0.07	0.00	0.03	0.00	0.43	0.51	0.47	0.27	0.21	0.48	0.28	0.18	0.16	0.57	0.82	0.75	0.11	0.81	0.37	0.26	0.76	0.84	0.65	0.82	0.80	0.42	0.76	0.61	0.86	1.00	0.95	1.00	1.00	1.00	1.00	1.00	0.61	0.65	0.96	0.56	1.00	1.00	1.00
9	23	13	0.49	0.40	0.36	0.07	0.00	0.04	0.00	0.53	0.53	0.48	0.31	0.18	0.49	0.25	0.18	0.16	0.61	0.78	0.68	0.10	0.84	0.39	0.30	0.73	0.80	0.72	0.79	0.83	0.33	0.56	0.61	0.84	0.86	0.98	1.00	1.00	1.00	1.00	1.00	0.54	0.63	0.96	0.66	1.00	1.00	1.00
9	23	14	0.49	0.52	0.43	0.08	0.00	0.06	0.00	0.65	0.53	0.49	0.35	0.24	0.50	0.31	0.21	0.18	0.56	0.74	0.60	0.08	0.87	0.52	0.42	0.69	0.77	0.69	0.76	0.91	0.43	0.42	0.52	0.83	0.86	0.95	1.00	1.00	1.00	0.89	1.00	0.65	0.54	0.95	0.49	1.00	1.00	1.00
9	23	15	0.51	0.59	0.63	0.09	0.00	0.10	0.00	0.75	0.55	0.50	0.37	0.32	0.52	0.39	0.24	0.21	0.56	0.66	0.52	0.06	0.85	0.59	0.50	0.63	0.75	0.61	0.73	0.87	0.57	0.40	0.51	0.69	0.99	0.96	0.95	0.95	0.93	0.91	0.94	0.55	0.53	0.88	0.42	1.00	1.00	1.00
9	23	16	0.51	0.47	0.80	0.09	0.00	0.17	0.03	0.81	0.55	0.51	0.40	0.34	0.52	0.41	0.27	0.25	0.59	0.61	0.48	0.04	0.79	0.47	0.38	0.52	0.68	0.52	0.66	0.82	0.69	0.59	0.54	0.72	0.88	0.87	0.84	0.81	0.78	0.71	0.81	0.46	0.51	0.74	0.39	1.00	1.00	1.00
9	23	17	0.52	0.46	0.85	0.10	0.00	0.18	0.08	0.85	0.56	0.52	0.40	0.40	0.53	0.46	0.30	0.28	0.63	0.61	0.41	0.03	0.68	0.46	0.36	0.27	0.45	0.33	0.44	0.65	0.54	0.52	0.44	0.51	0.62	0.59	0.46	0.52	0.52	0.50	0.52	0.33	0.34	0.40	0.13	1.00	1.00	1.00
9	23	18	0.55	0.43	0.80	0.09	0.03	0.20	0.12	0.86	0.58	0.54	0.39	0.44	0.55	0.50	0.37	0.35	0.54	0.50	0.37	0.05	0.45	0.43	0.33	0.02	0.12	0.06	0.12	0.33	0.27	0.20	0.15	0.18	0.21	0.17	0.08	0.12	0.11	0.11	0.12	0.08	0.08	0.03	0.00	1.00	1.00	1.00
9	23	19	0.55	0.40	0.74	0.08	0.17	0.33	0.16	0.84	0.59	0.54	0.42	0.46	0.56	0.52	0.52	0.50	0.59	0.37	0.37	0.07	0.37	0.40	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	20	0.55	0.60	0.73	0.07	0.27	0.42	0.21	0.80	0.59	0.54	0.42	0.44	0.55	0.49	0.55	0.54	0.60	0.16	0.47	0.04	0.40	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	21	0.47	0.46	0.71	0.07	0.22	0.67	0.25	0.78	0.51	0.46	0.29	0.46	0.47	0.52	0.58	0.57	0.67	0.08	0.47	0.04	0.43	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	22	0.51	0.42	0.63	0.07	0.12	0.68	0.24	0.72	0.55	0.50	0.19	0.53	0.52	0.59	0.51	0.50	0.68	0.04	0.43	0.03	0.43	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	23	0.43	0.38	0.52	0.08	0.02	0.61	0.19	0.59	0.48	0.43	0.13	0.49	0.44	0.55	0.41	0.39	0.70	0.07	0.42	0.04	0.42	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	23	24	0.25	0.50	0.42	0.11	0.00	0.49	0.15	0.43	0.30	0.24	0.09	0.29	0.26	0.36	0.31	0.29	0.77	0.01	0.40	0.07	0.35	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	1	0.09	0.56	0.36	0.17	0.00	0.37	0.12	0.33	0.14	0.08	0.10	0.08	0.10	0.14	0.24	0.22	0.74	0.00	0.40	0.04	0.26	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	2	0.00	0.63	0.30	0.33	0.00	0.36	0.07	0.23	0.05	0.00	0.20	0.01	0.01	0.07	0.22	0.20	0.75	0.00	0.29	0.03	0.24	0.63	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	3	0.00	0.54	0.22	0.42	0.00	0.30	0.06	0.12	0.02	0.00	0.29	0.03	0.00	0.10	0.20	0.17	0.76	0.01	0.24	0.05	0.26	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	4	0.00	0.51	0.18	0.46	0.00	0.26	0.02	0.05	0.01	0.00	0.24	0.07	0.00	0.15	0.16	0.13	0.73	0.04	0.27	0.06	0.28	0.50	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	5	0.00	0.59	0.18	0.47	0.00	0.25	0.00	0.01	0.04	0.00	0.20	0.10	0.00	0.17	0.11	0.09	0.65	0.06	0.26	0.07	0.24	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	6	0.01	0.63	0.14	0.47	0.00	0.21	0.00	0.03	0.07	0.01	0.21	0.14	0.02	0.22	0.08	0.06	0.61	0.05	0.24	0.08	0.17	0.63	0.55	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.03	0.02	0.02	0.03	0.08	0.06	0.09	0.28	1.00	1.00	1.00
9	24	7	0.00	0.60	0.09	0.49	0.00	0.35	0.00	0.08	0.05	0.00	0.19	0.15	0.01	0.22	0.05	0.03	0.52	0.05	0.16	0.12	0.09	0.60	0.52	0.02	0.24	0.47	0.24	0.27	0.19	0.22	0.32	0.23	0.41	0.48	0.53	0.48	0.41	0.41	0.47	0.42	0.49	0.51	0.59	1.00	1.00	1.00
9	24	8	0.03	0.65	0.03	0.37	0.00	0.18	0.00	0.12	0.08	0.02	0.14	0.12	0.04	0.20	0.03	0.01	0.33	0.06	0.12	0.12	0.01	0.65	0.58	0.28	0.54	0.74	0.53	0.62	0.56	0.57	0.65	0.57	0.76	0.78	0.78	0.75	0.67	0.73	0.75	0.73	0.71	0.74	0.76	1.00	1.00	1.00
9	24	9	0.08	0.68	0.00	0.21	0.00	0.06	0.00	0.17	0.14	0.07	0.13	0.11	0.09	0.19	0.01	0.01	0.24	0.06	0.14	0.12	0.00	0.68	0.61	0.52	0.74	0.89	0.73	0.76	0.75	0.75	0.83	0.81	0.93	0.93	0.92	0.89	0.83	0.86	0.89	0.82	0.83	0.86	0.90	1.00	1.00	1.00
9	24	10	0.08	0.67	0.00	0.19	0.00	0.09	0.00	0.21	0.14	0.07	0.10	0.11	0.09	0.18	0.01	0.01	0.20	0.04	0.13	0.11	0.00	0.67	0.60	0.70	0.86	0.95	0.85	0.78	0.85	0.85	0.92	0.93	1.00	1.00	1.00	0.97	0.92	0.98	0.96	0.79	0.91	0.94	0.91	1.00	1.00	1.00
9	24	11	0.08	0.62	0.00	0.16	0.00	0.06	0.00	0.24	0.14	0.07	0.09	0.11	0.09	0.18	0.02	0.01	0.16	0.02	0.14	0.07	0.00	0.62	0.54	0.81	0.92	0.98	0.91	0.87	0.89	0.89	0.96	1.00	1.00	1.00	1.00	1.00	0.92	1.00	0.99	0.77	0.94	0.94	0.99	1.00	1.00	1.00
9	24	12	0.08	0.57	0.00	0.13	0.00	0.04	0.00	0.22	0.14	0.07	0.07	0.10	0.09	0.17	0.03	0.01	0.13	0.02	0.21	0.04	0.00	0.57	0.48	0.86	0.95	1.00	0.93	0.91	0.89	0.91	0.96	1.00	1.00	1.00	1.00	1.00	0.92	1.00	0.99	0.86	0.94	0.95	1.00	1.00	1.00	1.00
9	24	13	0.06	0.52	0.00	0.11	0.00	0.03	0.00	0.19	0.12	0.05	0.05	0.10	0.07	0.17	0.03	0.02	0.11	0.02	0.15	0.04	0.00	0.52	0.43	0.85	0.93	1.00	0.92	0.92	0.89	0.88	0.93	0.97	1.00	1.00	1.00	0.97	0.95	0.99	0.96	0.93	0.93	0.94	1.00	1.00	1.00	1.00
9	24	14	0.05	0.47	0.00	0.08	0.00	0.02	0.00	0.16	0.10	0.04	0.02	0.08	0.06	0.16	0.03	0.02	0.08	0.02	0.08	0.04	0.01	0.47	0.37	0.82	0.92	0.96	0.90	0.94	0.88	0.89	0.89	0.96	1.00	1.00	1.00	0.98	0.98	0.95	0.98	0.93	0.94	0.93	0.86	1.00	1.00	1.00
9	24	15	0.04	0.41	0.00	0.07	0.00	0.01	0.00	0.13	0.10	0.03	0.00	0.06	0.05	0.13	0.03	0.02	0.06	0.03	0.08	0.06	0.01	0.41	0.31	0.72	0.85	0.87	0.84	0.94	0.82	0.84	0.83	0.93	0.98	0.98	0.95	0.91	0.92	0.87	0.91	0.90	0.90	0.88	0.82	1.00	1.00	1.00
9	24	16	0.06	0.34	0.00	0.05	0.00	0.02	0.00	0.10	0.12	0.06	0.00	0.05	0.07	0.12	0.03	0.02	0.06	0.04	0.16	0.10	0.01	0.34	0.24	0.55	0.72	0.74	0.71	0.86	0.75	0.73	0.74	0.81	0.86	0.86	0.84	0.78	0.79	0.75	0.77	0.80	0.80	0.74	0.67	1.00	1.00	1.00
9	24	17	0.09	0.28	0.01	0.05	0.00	0.03	0.00	0.08	0.14	0.08	0.00	0.06	0.10	0.13	0.03	0.02	0.05	0.06	0.11	0.16	0.00	0.28	0.17	0.28	0.46	0.40	0.45	0.67	0.53	0.51	0.50	0.57	0.60	0.60	0.54	0.50	0.53	0.47	0.49	0.52	0.53	0.37	0.23	1.00	1.00	1.00
9	24	18	0.12	0.29	0.08	0.08	0.00	0.06	0.07	0.09	0.18	0.11	0.00	0.07	0.13	0.15	0.05	0.03	0.04	0.09	0.13	0.23	0.01	0.29	0.18	0.02	0.12	0.07	0.12	0.33	0.25	0.20	0.17	0.21	0.19	0.17	0.11	0.10	0.11	0.09	0.10	0.11	0.15	0.02	0.00	1.00	1.00	1.00
9	24	19	0.21	0.30	0.10	0.12	0.03	0.07	0.13	0.15	0.26	0.20	0.01	0.10	0.22	0.18	0.05	0.04	0.05	0.13	0.05	0.28	0.00	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
9	24	20	0.25	0.32	0.13	0.14	0.10	0.07	0.15	0.19	0.31	0.25	0.03	0.11	0.26	0.18	0.06	0.04	0.04	0.15	0.07	0.24	0.00	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	21	0.23	0.35	0.23	0.13	0.08	0.06	0.17	0.21	0.29	0.22	0.10	0.12	0.24	0.19	0.07	0.05	0.03	0.14	0.16	0.20	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	22	0.18	0.33	0.35	0.11	0.04	0.11	0.14	0.19	0.24	0.17	0.27	0.24	0.19	0.31	0.06	0.04	0.02	0.13	0.26	0.16	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	23	0.17	0.34	0.44	0.10	0.01	0.21	0.10	0.21	0.22	0.16	0.31	0.36	0.18	0.42	0.06	0.04	0.01	0.08	0.25	0.16	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	24	24	0.12	0.32	0.53	0.10	0.00	0.24	0.05	0.25	0.18	0.11	0.24	0.37	0.13	0.43	0.06	0.04	0.02	0.08	0.26	0.15	0.00	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	1	0.09	0.29	0.57	0.09	0.00	0.26	0.01	0.22	0.14	0.08	0.22	0.38	0.10	0.45	0.06	0.04	0.03	0.12	0.29	0.14	0.01	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	2	0.06	0.26	0.56	0.09	0.00	0.32	0.00	0.17	0.12	0.05	0.19	0.40	0.07	0.46	0.06	0.04	0.04	0.10	0.38	0.16	0.03	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	3	0.04	0.22	0.54	0.11	0.00	0.32	0.00	0.14	0.10	0.03	0.19	0.42	0.05	0.48	0.05	0.03	0.05	0.07	0.48	0.16	0.06	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	4	0.02	0.19	0.52	0.11	0.00	0.23	0.00	0.10	0.08	0.01	0.24	0.41	0.03	0.47	0.05	0.03	0.08	0.04	0.57	0.18	0.07	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	5	0.02	0.16	0.51	0.12	0.00	0.22	0.00	0.08	0.08	0.01	0.31	0.41	0.03	0.47	0.05	0.04	0.09	0.03	0.64	0.18	0.05	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	6	0.03	0.18	0.51	0.15	0.00	0.19	0.00	0.08	0.09	0.02	0.35	0.40	0.04	0.46	0.05	0.04	0.09	0.03	0.66	0.17	0.04	0.18	0.07	0.00	0.01	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.03	0.02	0.02	0.03	0.13	0.05	0.09	0.26	1.00	1.00	1.00
9	25	7	0.03	0.10	0.50	0.18	0.00	0.25	0.00	0.10	0.09	0.02	0.34	0.38	0.04	0.44	0.05	0.04	0.07	0.02	0.62	0.16	0.05	0.10	0.02	0.02	0.24	0.51	0.23	0.30	0.18	0.20	0.30	0.25	0.38	0.47	0.51	0.46	0.41	0.41	0.46	0.53	0.51	0.51	0.70	1.00	1.00	1.00
9	25	8	0.00	0.05	0.46	0.15	0.00	0.28	0.00	0.06	0.05	0.00	0.22	0.35	0.00	0.42	0.05	0.04	0.03	0.01	0.64	0.09	0.01	0.05	0.00	0.27	0.53	0.78	0.52	0.66	0.56	0.56	0.62	0.62	0.70	0.76	0.76	0.74	0.65	0.67	0.74	0.78	0.76	0.74	0.90	1.00	1.00	1.00
9	25	9	0.00	0.07	0.40	0.06	0.00	0.15	0.00	0.03	0.03	0.00	0.14	0.35	0.00	0.42	0.03	0.02	0.00	0.01	0.67	0.03	0.02	0.07	0.00	0.52	0.73	0.92	0.71	0.83	0.74	0.73	0.79	0.80	0.86	0.91	0.91	0.89	0.80	0.82	0.88	0.90	0.88	0.87	0.99	1.00	1.00	1.00
9	25	10	0.00	0.10	0.43	0.05	0.00	0.12	0.00	0.02	0.04	0.00	0.11	0.31	0.00	0.38	0.03	0.01	0.00	0.01	0.65	0.00	0.02	0.10	0.01	0.69	0.85	1.00	0.84	0.94	0.85	0.84	0.89	0.92	0.97	0.99	0.97	0.95	0.88	0.92	0.94	0.95	0.93	0.91	1.00	1.00	1.00	1.00
9	25	11	0.00	0.08	0.46	0.05	0.00	0.08	0.00	0.02	0.03	0.00	0.08	0.22	0.00	0.29	0.04	0.02	0.00	0.02	0.63	0.00	0.03	0.08	0.00	0.79	0.91	1.00	0.89	0.98	0.86	0.87	0.93	0.96	1.00	1.00	1.00	0.98	0.91	0.92	0.98	0.96	0.96	0.93	1.00	1.00	1.00	1.00
9	25	12	0.00	0.05	0.49	0.04	0.00	0.04	0.00	0.00	0.02	0.00	0.03	0.09	0.00	0.16	0.05	0.04	0.00	0.01	0.62	0.00	0.03	0.05	0.00	0.84	0.94	1.00	0.92	0.99	0.89	0.89	0.92	0.99	1.00	1.00	1.00	0.97	0.91	0.97	0.96	0.96	0.95	0.94	1.00	1.00	1.00	1.00
9	25	13	0.00	0.03	0.55	0.03	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.03	0.00	0.10	0.08	0.06	0.00	0.01	0.60	0.00	0.03	0.03	0.00	0.83	0.91	1.00	0.89	0.97	0.87	0.87	0.86	0.95	1.00	0.98	0.99	0.93	0.89	0.94	0.93	0.94	0.93	0.93	1.00	1.00	1.00	1.00
9	25	14	0.00	0.05	0.61	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.08	0.11	0.09	0.00	0.01	0.55	0.00	0.02	0.05	0.00	0.80	0.90	0.99	0.89	0.97	0.86	0.85	0.85	0.95	1.00	1.00	0.98	0.95	0.94	0.94	0.94	0.93	0.94	0.92	0.96	1.00	1.00	1.00
9	25	15	0.00	0.07	0.72	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.12	0.10	0.00	0.01	0.52	0.00	0.01	0.07	0.00	0.71	0.83	0.91	0.82	0.92	0.79	0.81	0.83	0.91	0.99	0.95	0.92	0.90	0.85	0.89	0.89	0.85	0.90	0.85	0.85	1.00	1.00	1.00
9	25	16	0.00	0.08	0.80	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.12	0.10	0.00	0.01	0.46	0.00	0.01	0.08	0.00	0.54	0.71	0.76	0.69	0.84	0.70	0.71	0.75	0.79	0.87	0.82	0.81	0.79	0.78	0.76	0.78	0.78	0.80	0.71	0.59	1.00	1.00	1.00
9	25	17	0.00	0.09	0.79	0.01	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.06	0.11	0.09	0.01	0.01	0.33	0.02	0.00	0.08	0.01	0.27	0.44	0.42	0.43	0.64	0.48	0.48	0.54	0.52	0.60	0.52	0.49	0.50	0.49	0.49	0.49	0.43	0.56	0.31	0.17	1.00	1.00	1.00
9	25	18	0.00	0.16	0.83	0.01	0.00	0.14	0.00	0.00	0.04	0.00	0.00	0.02	0.00	0.09	0.11	0.09	0.01	0.03	0.28	0.08	0.00	0.16	0.06	0.01	0.11	0.08	0.11	0.29	0.19	0.18	0.18	0.19	0.19	0.13	0.08	0.09	0.09	0.09	0.09	0.08	0.14	0.02	0.00	1.00	1.00	1.00
9	25	19	0.01	0.19	0.77	0.02	0.00	0.25	0.00	0.00	0.07	0.00	0.02	0.04	0.02	0.11	0.19	0.17	0.01	0.04	0.30	0.09	0.00	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	20	0.02	0.17	0.75	0.02	0.00	0.32	0.00	0.00	0.07	0.01	0.09	0.05	0.03	0.12	0.19	0.17	0.01	0.03	0.34	0.07	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	21	0.01	0.19	0.67	0.03	0.00	0.38	0.01	0.00	0.07	0.01	0.12	0.08	0.02	0.15	0.23	0.21	0.01	0.01	0.42	0.05	0.00	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	22	0.01	0.21	0.56	0.03	0.00	0.34	0.03	0.00	0.06	0.00	0.10	0.12	0.02	0.20	0.25	0.23	0.01	0.01	0.49	0.04	0.00	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	23	0.00	0.23	0.51	0.03	0.00	0.21	0.05	0.00	0.05	0.00	0.06	0.17	0.01	0.25	0.21	0.19	0.03	0.01	0.48	0.04	0.00	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	25	24	0.00	0.23	0.48	0.04	0.00	0.15	0.05	0.00	0.06	0.00	0.05	0.21	0.01	0.28	0.12	0.10	0.05	0.02	0.53	0.03	0.00	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	1	0.01	0.22	0.44	0.06	0.00	0.14	0.03	0.00	0.06	0.00	0.08	0.27	0.02	0.34	0.07	0.05	0.08	0.02	0.60	0.04	0.01	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	2	0.02	0.17	0.41	0.10	0.00	0.13	0.00	0.00	0.08	0.01	0.09	0.30	0.03	0.37	0.03	0.02	0.10	0.02	0.68	0.06	0.02	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	3	0.02	0.18	0.39	0.14	0.00	0.15	0.00	0.00	0.07	0.01	0.12	0.26	0.02	0.33	0.01	0.01	0.11	0.01	0.78	0.07	0.03	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	4	0.03	0.18	0.40	0.16	0.00	0.17	0.00	0.00	0.09	0.02	0.16	0.21	0.04	0.28	0.01	0.00	0.10	0.01	0.87	0.08	0.04	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	5	0.05	0.13	0.42	0.19	0.00	0.17	0.00	0.00	0.11	0.04	0.20	0.22	0.06	0.29	0.02	0.01	0.09	0.02	0.85	0.09	0.03	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	6	0.07	0.09	0.42	0.22	0.00	0.13	0.00	0.04	0.13	0.06	0.26	0.24	0.08	0.32	0.03	0.02	0.09	0.02	0.77	0.09	0.04	0.09	0.01	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.03	0.02	0.02	0.03	0.15	0.05	0.09	0.24	1.00	1.00	1.00
9	26	7	0.06	0.08	0.40	0.24	0.00	0.17	0.00	0.09	0.12	0.05	0.25	0.25	0.07	0.32	0.05	0.03	0.10	0.02	0.67	0.09	0.02	0.08	0.01	0.02	0.24	0.50	0.23	0.29	0.18	0.21	0.31	0.25	0.38	0.47	0.49	0.45	0.41	0.40	0.45	0.54	0.50	0.50	0.68	1.00	1.00	1.00
9	26	8	0.03	0.08	0.33	0.21	0.00	0.16	0.00	0.10	0.09	0.02	0.20	0.25	0.04	0.32	0.04	0.03	0.08	0.02	0.65	0.07	0.00	0.08	0.01	0.27	0.53	0.76	0.52	0.66	0.56	0.56	0.62	0.61	0.70	0.76	0.72	0.72	0.66	0.68	0.71	0.75	0.74	0.74	0.86	1.00	1.00	1.00
9	26	9	0.01	0.09	0.22	0.11	0.00	0.09	0.00	0.06	0.07	0.00	0.17	0.26	0.02	0.33	0.02	0.01	0.05	0.02	0.67	0.04	0.00	0.09	0.01	0.52	0.73	0.91	0.71	0.84	0.74	0.74	0.78	0.82	0.89	0.91	0.88	0.87	0.80	0.80	0.86	0.86	0.85	0.86	0.99	1.00	1.00	1.00
9	26	10	0.03	0.12	0.22	0.08	0.00	0.04	0.00	0.05	0.08	0.02	0.14	0.23	0.04	0.30	0.02	0.01	0.03	0.04	0.68	0.01	0.00	0.12	0.03	0.69	0.85	0.98	0.83	0.93	0.83	0.83	0.87	0.92	0.98	0.98	0.95	0.93	0.92	0.91	0.92	0.93	0.92	0.93	1.00	1.00	1.00	1.00
9	26	11	0.04	0.17	0.21	0.08	0.00	0.03	0.00	0.06	0.10	0.03	0.09	0.12	0.05	0.20	0.02	0.01	0.02	0.07	0.69	0.00	0.01	0.17	0.06	0.78	0.90	1.00	0.88	0.95	0.86	0.86	0.91	0.96	1.00	0.99	0.98	0.94	0.91	0.96	0.93	0.95	0.93	0.94	1.00	1.00	1.00	1.00
9	26	12	0.04	0.20	0.20	0.08	0.00	0.02	0.00	0.05	0.10	0.04	0.05	0.05	0.05	0.12	0.02	0.01	0.03	0.09	0.72	0.00	0.00	0.20	0.09	0.83	0.92	0.99	0.90	0.98	0.88	0.87	0.91	0.97	1.00	0.98	0.98	0.93	0.94	0.95	0.92	0.93	0.94	0.94	0.95	1.00	1.00	1.00
9	26	13	0.05	0.21	0.20	0.07	0.00	0.01	0.00	0.04	0.11	0.04	0.00	0.02	0.06	0.08	0.02	0.01	0.03	0.11	0.80	0.00	0.01	0.21	0.11	0.81	0.89	0.94	0.87	0.94	0.85	0.85	0.87	0.96	0.94	0.97	0.96	0.92	0.91	0.88	0.91	0.89	0.91	0.91	0.82	1.00	1.00	1.00
9	26	14	0.07	0.22	0.20	0.06	0.00	0.02	0.00	0.02	0.13	0.06	0.00	0.00	0.08	0.06	0.02	0.01	0.03	0.11	0.86	0.00	0.00	0.22	0.12	0.78	0.88	0.92	0.86	0.94	0.83	0.84	0.87	0.95	0.98	0.98	0.96	0.93	0.89	0.89	0.92	0.90	0.92	0.90	0.74	1.00	1.00	1.00
9	26	15	0.06	0.31	0.20	0.05	0.00	0.02	0.00	0.00	0.12	0.05	0.00	0.00	0.07	0.04	0.02	0.01	0.03	0.10	0.87	0.00	0.00	0.31	0.20	0.69	0.81	0.88	0.80	0.91	0.80	0.79	0.85	0.90	0.94	0.93	0.89	0.86	0.79	0.83	0.86	0.86	0.88	0.83	0.76	1.00	1.00	1.00
9	26	16	0.06	0.30	0.19	0.04	0.00	0.02	0.00	0.00	0.12	0.05	0.00	0.00	0.07	0.04	0.03	0.01	0.03	0.09	0.84	0.01	0.00	0.30	0.19	0.52	0.68	0.74	0.67	0.82	0.70	0.69	0.75	0.80	0.77	0.81	0.81	0.75	0.70	0.71	0.74	0.74	0.78	0.69	0.60	1.00	1.00	1.00
9	26	17	0.05	0.24	0.15	0.04	0.00	0.03	0.00	0.00	0.11	0.04	0.00	0.00	0.06	0.02	0.03	0.02	0.03	0.10	0.74	0.03	0.00	0.24	0.13	0.26	0.43	0.39	0.42	0.61	0.49	0.50	0.53	0.56	0.50	0.51	0.54	0.49	0.47	0.47	0.49	0.36	0.52	0.29	0.21	1.00	1.00	1.00
9	26	18	0.06	0.19	0.14	0.05	0.00	0.09	0.00	0.00	0.12	0.05	0.00	0.00	0.07	0.02	0.04	0.02	0.03	0.12	0.69	0.07	0.00	0.19	0.09	0.01	0.10	0.07	0.10	0.26	0.19	0.19	0.18	0.20	0.15	0.13	0.10	0.09	0.07	0.08	0.09	0.07	0.12	0.01	0.00	1.00	1.00	1.00
9	26	19	0.06	0.21	0.13	0.07	0.01	0.10	0.00	0.00	0.12	0.06	0.00	0.00	0.07	0.01	0.03	0.02	0.02	0.11	0.70	0.06	0.00	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	20	0.05	0.24	0.11	0.07	0.04	0.10	0.00	0.00	0.11	0.04	0.00	0.00	0.06	0.00	0.04	0.02	0.01	0.08	0.75	0.03	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	21	0.02	0.29	0.10	0.10	0.01	0.11	0.00	0.00	0.08	0.02	0.00	0.00	0.03	0.00	0.04	0.03	0.02	0.07	0.74	0.01	0.00	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	22	0.00	0.33	0.04	0.10	0.00	0.13	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.05	0.04	0.03	0.06	0.71	0.00	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	23	0.00	0.39	0.00	0.09	0.00	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.07	0.05	0.04	0.04	0.65	0.01	0.00	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	26	24	0.00	0.53	0.00	0.06	0.00	0.07	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.09	0.07	0.06	0.02	0.67	0.01	0.00	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	1	0.00	0.55	0.00	0.05	0.00	0.08	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.12	0.10	0.07	0.01	0.69	0.00	0.02	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	2	0.00	0.50	0.00	0.05	0.00	0.11	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.15	0.13	0.08	0.00	0.67	0.00	0.03	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	3	0.00	0.33	0.00	0.04	0.00	0.12	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.16	0.14	0.06	0.00	0.52	0.00	0.04	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	4	0.00	0.29	0.00	0.04	0.00	0.11	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.07	0.15	0.13	0.05	0.00	0.38	0.00	0.04	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	5	0.00	0.19	0.00	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.16	0.14	0.05	0.00	0.28	0.00	0.06	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	6	0.00	0.11	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.19	0.17	0.07	0.02	0.18	0.00	0.08	0.11	0.03	0.00	0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.02	0.01	0.02	0.15	0.03	0.05	0.27	1.00	1.00	1.00
9	27	7	0.00	0.07	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.21	0.18	0.09	0.02	0.07	0.00	0.07	0.07	0.00	0.02	0.19	0.47	0.19	0.28	0.15	0.18	0.22	0.23	0.28	0.39	0.44	0.38	0.32	0.31	0.38	0.50	0.44	0.44	0.66	1.00	1.00	1.00
9	27	8	0.00	0.04	0.00	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.19	0.17	0.14	0.02	0.01	0.00	0.02	0.04	0.00	0.23	0.45	0.73	0.44	0.64	0.54	0.54	0.51	0.56	0.62	0.53	0.66	0.51	0.48	0.57	0.51	0.71	0.68	0.67	0.89	1.00	1.00	1.00
9	27	9	0.00	0.06	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.15	0.13	0.17	0.01	0.00	0.00	0.01	0.06	0.00	0.44	0.62	0.87	0.61	0.81	0.72	0.71	0.72	0.74	0.74	0.75	0.56	0.70	0.66	0.57	0.70	0.81	0.80	0.80	0.98	1.00	1.00	1.00
9	27	10	0.00	0.06	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.14	0.12	0.16	0.01	0.00	0.00	0.02	0.05	0.00	0.58	0.71	0.92	0.70	0.88	0.83	0.80	0.81	0.85	0.86	0.77	0.73	0.56	0.79	0.54	0.55	0.89	0.83	0.86	0.99	1.00	1.00	1.00
9	27	11	0.00	0.06	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	0.14	0.19	0.01	0.01	0.00	0.02	0.06	0.00	0.64	0.74	0.94	0.72	0.92	0.84	0.64	0.87	0.91	0.96	0.77	0.42	0.75	0.84	0.56	0.74	0.90	0.87	0.88	0.93	1.00	1.00	1.00
9	27	12	0.00	0.05	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	0.16	0.20	0.01	0.03	0.01	0.05	0.05	0.00	0.71	0.79	0.92	0.77	0.91	0.79	0.73	0.85	0.85	1.00	0.85	0.79	0.76	0.59	0.80	0.76	0.81	0.79	0.87	0.99	1.00	1.00	1.00
9	27	13	0.00	0.04	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.23	0.20	0.23	0.01	0.07	0.06	0.06	0.04	0.00	0.70	0.77	0.90	0.76	0.90	0.84	0.55	0.77	0.79	0.95	0.88	0.86	0.60	0.79	0.79	0.59	0.80	0.83	0.80	0.94	1.00	1.00	1.00
9	27	14	0.00	0.04	0.00	0.18	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.30	0.28	0.24	0.01	0.11	0.11	0.07	0.04	0.00	0.62	0.69	0.86	0.68	0.91	0.81	0.55	0.64	0.54	0.98	0.95	0.57	0.58	0.77	0.64	0.57	0.83	0.83	0.72	0.89	1.00	1.00	1.00
9	27	15	0.03	0.05	0.01	0.23	0.03	0.00	0.00	0.04	0.09	0.02	0.00	0.00	0.04	0.04	0.39	0.37	0.25	0.02	0.16	0.18	0.09	0.05	0.00	0.53	0.63	0.72	0.62	0.85	0.74	0.44	0.57	0.58	0.88	0.90	0.47	0.79	0.53	0.60	0.79	0.77	0.74	0.58	0.77	1.00	1.00	1.00
9	27	16	0.07	0.06	0.12	0.29	0.20	0.04	0.00	0.15	0.13	0.06	0.00	0.00	0.08	0.06	0.48	0.47	0.29	0.06	0.24	0.22	0.11	0.06	0.00	0.36	0.47	0.56	0.46	0.74	0.67	0.33	0.44	0.25	0.53	0.65	0.71	0.67	0.29	0.44	0.67	0.57	0.56	0.54	0.58	1.00	1.00	1.00
9	27	17	0.14	0.14	0.33	0.34	0.50	0.42	0.03	0.21	0.20	0.13	0.03	0.03	0.15	0.09	0.52	0.50	0.33	0.08	0.33	0.23	0.12	0.14	0.05	0.17	0.28	0.28	0.27	0.49	0.42	0.34	0.25	0.15	0.21	0.47	0.49	0.36	0.23	0.22	0.36	0.33	0.42	0.21	0.13	1.00	1.00	1.00
9	27	18	0.26	0.23	0.54	0.45	0.70	0.69	0.07	0.18	0.32	0.25	0.19	0.24	0.27	0.32	0.52	0.50	0.40	0.07	0.46	0.21	0.21	0.23	0.12	0.01	0.05	0.04	0.05	0.19	0.15	0.10	0.06	0.04	0.04	0.10	0.07	0.05	0.02	0.03	0.05	0.06	0.08	0.01	0.00	1.00	1.00	1.00
9	27	19	0.27	0.27	0.61	0.57	0.79	0.70	0.12	0.16	0.32	0.26	0.20	0.34	0.28	0.41	0.57	0.56	0.48	0.17	0.54	0.20	0.23	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	20	0.18	0.28	0.62	0.52	0.84	0.58	0.15	0.15	0.24	0.17	0.17	0.35	0.19	0.41	0.60	0.58	0.50	0.45	0.57	0.22	0.35	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	21	0.20	0.31	0.62	0.45	0.88	0.73	0.18	0.15	0.26	0.19	0.17	0.36	0.21	0.42	0.63	0.62	0.47	0.53	0.52	0.26	0.30	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	22	0.23	0.32	0.57	0.45	0.90	0.82	0.22	0.16	0.28	0.22	0.21	0.40	0.24	0.46	0.63	0.62	0.47	0.60	0.42	0.29	0.23	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	23	0.28	0.32	0.55	0.47	0.89	0.87	0.22	0.20	0.33	0.27	0.28	0.45	0.29	0.51	0.57	0.56	0.53	0.61	0.38	0.30	0.24	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	27	24	0.31	0.32	0.57	0.52	0.88	0.87	0.24	0.23	0.36	0.30	0.39	0.46	0.32	0.52	0.51	0.49	0.52	0.60	0.39	0.33	0.26	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
9	28	1	0.31	0.29	0.55	0.58	0.88	0.61	0.24	0.23	0.36	0.30	0.44	0.49	0.32	0.55	0.50	0.48	0.52	0.56	0.40	0.39	0.30	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	2	0.39	0.24	0.56	0.62	0.86	0.75	0.18	0.25	0.43	0.38	0.50	0.44	0.39	0.50	0.55	0.53	0.52	0.55	0.48	0.47	0.29	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	3	0.46	0.21	0.53	0.62	0.84	0.95	0.17	0.27	0.50	0.45	0.53	0.41	0.47	0.47	0.55	0.53	0.50	0.54	0.49	0.51	0.22	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	4	0.52	0.14	0.51	0.61	0.83	0.93	0.16	0.27	0.56	0.52	0.57	0.41	0.53	0.47	0.54	0.53	0.46	0.53	0.50	0.47	0.13	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	5	0.55	0.12	0.53	0.59	0.81	0.94	0.12	0.24	0.59	0.55	0.62	0.41	0.56	0.47	0.55	0.53	0.47	0.54	0.50	0.45	0.10	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	6	0.49	0.10	0.63	0.58	0.74	0.86	0.10	0.20	0.53	0.48	0.59	0.35	0.50	0.42	0.53	0.52	0.50	0.56	0.50	0.49	0.10	0.10	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.20	1.00	1.00	1.00
9	28	7	0.44	0.10	0.62	0.52	0.69	0.60	0.09	0.20	0.49	0.44	0.65	0.26	0.45	0.32	0.48	0.47	0.54	0.57	0.40	0.55	0.12	0.10	0.02	0.01	0.13	0.26	0.12	0.02	0.10	0.17	0.27	0.05	0.30	0.28	0.33	0.28	0.18	0.07	0.28	0.06	0.31	0.06	0.53	1.00	1.00	1.00
9	28	8	0.41	0.11	0.50	0.44	0.68	0.38	0.05	0.16	0.46	0.40	0.68	0.24	0.42	0.31	0.50	0.48	0.53	0.58	0.27	0.53	0.15	0.11	0.02	0.20	0.36	0.48	0.35	0.26	0.23	0.49	0.59	0.09	0.54	0.63	0.70	0.55	0.50	0.28	0.55	0.34	0.59	0.20	0.62	1.00	1.00	1.00
9	28	9	0.46	0.13	0.50	0.43	0.72	0.29	0.02	0.20	0.51	0.46	0.66	0.27	0.47	0.34	0.60	0.58	0.46	0.65	0.19	0.58	0.28	0.13	0.04	0.39	0.53	0.54	0.52	0.51	0.37	0.51	0.73	0.23	0.69	0.87	0.83	0.79	0.62	0.40	0.78	0.50	0.71	0.31	0.76	1.00	1.00	1.00
9	28	10	0.60	0.24	0.60	0.49	0.72	0.40	0.00	0.29	0.63	0.59	0.62	0.32	0.60	0.39	0.66	0.65	0.42	0.96	0.22	0.73	0.46	0.24	0.14	0.53	0.65	0.62	0.63	0.53	0.41	0.66	0.82	0.35	0.72	0.92	0.94	0.89	0.82	0.57	0.88	0.78	0.81	0.39	0.81	1.00	1.00	1.00
9	28	11	0.67	0.42	0.67	0.55	0.69	0.35	0.00	0.37	0.70	0.67	0.60	0.37	0.68	0.43	0.63	0.62	0.46	0.99	0.31	0.81	0.56	0.42	0.31	0.60	0.69	0.61	0.68	0.62	0.51	0.69	0.88	0.31	0.64	0.82	0.97	0.90	0.82	0.74	0.89	0.57	0.84	0.44	0.82	1.00	1.00	1.00
9	28	12	0.67	0.49	0.68	0.56	0.63	0.31	0.02	0.46	0.70	0.67	0.61	0.44	0.68	0.50	0.64	0.62	0.53	1.00	0.45	0.86	0.66	0.49	0.39	0.64	0.71	0.71	0.70	0.48	0.48	0.79	0.85	0.43	0.59	0.93	0.96	0.94	0.85	0.72	0.93	0.75	0.88	0.59	0.83	1.00	1.00	1.00
9	28	13	0.71	0.51	0.67	0.53	0.56	0.30	0.04	0.56	0.74	0.71	0.65	0.50	0.72	0.55	0.69	0.68	0.62	1.00	0.58	0.90	0.71	0.51	0.43	0.59	0.66	0.62	0.64	0.35	0.53	0.80	0.77	0.43	0.63	0.94	0.63	0.90	0.81	0.64	0.89	0.67	0.81	0.54	0.68	1.00	1.00	1.00
9	28	14	0.80	0.67	0.67	0.54	0.58	0.38	0.05	0.63	0.82	0.80	0.67	0.54	0.81	0.59	0.72	0.71	0.82	1.00	0.59	0.92	0.76	0.67	0.60	0.56	0.63	0.57	0.62	0.34	0.58	0.80	0.69	0.63	0.62	0.86	0.58	0.85	0.73	0.48	0.85	0.59	0.81	0.48	0.65	1.00	1.00	1.00
9	28	15	0.87	0.81	0.67	0.55	0.67	0.45	0.10	0.71	0.88	0.87	0.68	0.55	0.87	0.60	0.74	0.73	0.91	1.00	0.51	0.93	0.79	0.81	0.76	0.47	0.56	0.49	0.55	0.23	0.47	0.69	0.67	0.56	0.58	0.80	0.65	0.81	0.56	0.49	0.80	0.46	0.69	0.35	0.51	1.00	1.00	1.00
9	28	16	0.92	0.85	0.66	0.53	0.77	0.48	0.18	0.78	0.93	0.92	0.74	0.56	0.92	0.60	0.69	0.67	0.93	1.00	0.53	0.92	0.76	0.85	0.82	0.37	0.48	0.46	0.47	0.36	0.54	0.53	0.63	0.51	0.51	0.81	0.63	0.59	0.45	0.21	0.59	0.59	0.57	0.23	0.31	1.00	1.00	1.00
9	28	17	0.94	0.92	0.67	0.48	0.83	0.65	0.29	0.83	0.94	0.93	0.82	0.64	0.94	0.67	0.70	0.69	0.87	1.00	0.50	0.93	0.69	0.92	0.89	0.18	0.29	0.29	0.29	0.27	0.35	0.44	0.43	0.39	0.39	0.52	0.37	0.40	0.14	0.14	0.39	0.42	0.32	0.17	0.08	1.00	1.00	1.00
9	28	18	0.92	0.81	0.70	0.51	0.80	0.77	0.35	0.80	0.93	0.92	0.90	0.77	0.93	0.80	0.66	0.65	0.72	0.95	0.41	0.89	0.63	0.81	0.77	0.01	0.06	0.05	0.06	0.10	0.11	0.13	0.11	0.12	0.10	0.12	0.05	0.06	0.01	0.01	0.05	0.07	0.06	0.00	0.00	1.00	1.00	1.00
9	28	19	0.84	0.85	0.81	0.57	0.74	0.83	0.39	0.79	0.86	0.84	0.87	0.77	0.85	0.79	0.71	0.69	0.63	0.88	0.33	0.83	0.63	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	20	0.74	0.87	0.90	0.51	0.75	0.67	0.41	0.74	0.76	0.73	0.84	0.77	0.74	0.79	0.72	0.71	0.73	0.85	0.29	0.78	0.61	0.87	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	21	0.63	0.90	0.90	0.55	0.77	0.58	0.42	0.74	0.66	0.62	0.81	0.77	0.63	0.80	0.69	0.68	0.74	0.85	0.33	0.82	0.61	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	22	0.54	0.90	0.77	0.62	0.69	0.70	0.44	0.75	0.57	0.53	0.76	0.74	0.55	0.77	0.66	0.65	0.70	0.85	0.37	0.79	0.64	0.90	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	23	0.54	0.59	0.70	0.62	0.42	0.58	0.45	0.75	0.58	0.53	0.72	0.71	0.54	0.74	0.64	0.62	0.63	0.86	0.45	0.68	0.63	0.59	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	28	24	0.55	0.57	0.70	0.59	0.24	0.51	0.49	0.73	0.58	0.54	0.74	0.67	0.55	0.71	0.64	0.63	0.71	0.89	0.51	0.73	0.67	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	1	0.55	0.55	0.83	0.58	0.25	0.56	0.52	0.70	0.58	0.54	0.70	0.64	0.55	0.68	0.63	0.62	0.60	0.82	0.53	0.73	0.72	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	2	0.52	0.50	0.83	0.57	0.39	0.17	0.57	0.68	0.56	0.52	0.67	0.64	0.53	0.68	0.63	0.61	0.59	0.76	0.57	0.76	0.72	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	3	0.51	0.51	0.74	0.55	0.51	0.19	0.57	0.70	0.55	0.51	0.63	0.65	0.52	0.69	0.62	0.60	0.62	0.80	0.56	0.83	0.71	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	4	0.48	0.54	0.72	0.51	0.43	0.24	0.59	0.71	0.52	0.47	0.58	0.63	0.49	0.67	0.60	0.58	0.56	0.82	0.58	0.78	0.71	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	5	0.58	0.49	0.73	0.55	0.32	0.35	0.59	0.70	0.62	0.58	0.51	0.57	0.59	0.61	0.57	0.55	0.66	0.81	0.57	0.65	0.74	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	6	0.55	0.41	0.76	0.53	0.25	0.96	0.55	0.69	0.59	0.55	0.46	0.57	0.56	0.62	0.51	0.50	0.69	0.79	0.57	0.65	0.73	0.41	0.31	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.02	0.06	0.02	0.04	0.23	1.00	1.00	1.00
9	29	7	0.59	0.42	0.77	0.50	0.18	0.94	0.48	0.65	0.63	0.59	0.38	0.48	0.60	0.54	0.46	0.44	0.74	0.81	0.54	0.52	0.71	0.42	0.32	0.02	0.19	0.33	0.19	0.23	0.16	0.19	0.24	0.13	0.20	0.44	0.39	0.43	0.39	0.28	0.42	0.24	0.33	0.30	0.54	1.00	1.00	1.00
9	29	8	0.69	0.51	0.75	0.46	0.19	0.50	0.35	0.58	0.72	0.69	0.26	0.36	0.69	0.42	0.35	0.33	0.74	0.90	0.66	0.32	0.71	0.51	0.42	0.25	0.49	0.53	0.48	0.61	0.54	0.56	0.51	0.52	0.46	0.73	0.74	0.69	0.68	0.61	0.69	0.16	0.58	0.60	0.65	1.00	1.00	1.00
9	29	9	0.65	0.60	0.66	0.39	0.14	0.45	0.27	0.49	0.68	0.64	0.17	0.40	0.65	0.46	0.29	0.27	0.77	0.93	0.83	0.32	0.76	0.60	0.52	0.50	0.70	0.66	0.68	0.81	0.74	0.76	0.67	0.72	0.71	0.89	0.90	0.88	0.82	0.80	0.87	0.08	0.73	0.78	0.84	1.00	1.00	1.00
9	29	10	0.30	0.69	0.61	0.37	0.12	0.44	0.20	0.27	0.35	0.29	0.12	0.38	0.31	0.45	0.24	0.22	0.70	0.82	0.91	0.33	0.79	0.69	0.62	0.67	0.82	0.75	0.81	0.94	0.86	0.86	0.75	0.81	0.80	0.91	0.98	0.95	0.97	0.91	0.94	0.25	0.82	0.88	0.84	1.00	1.00	1.00
9	29	11	0.12	0.75	0.52	0.33	0.08	0.36	0.17	0.08	0.17	0.11	0.12	0.20	0.13	0.27	0.21	0.19	0.64	0.61	0.84	0.30	0.80	0.76	0.70	0.77	0.89	0.80	0.87	0.96	0.91	0.91	0.78	0.83	0.83	1.00	1.00	0.98	1.00	0.93	0.97	0.40	0.81	0.95	0.86	1.00	1.00	1.00
9	29	12	0.04	0.75	0.33	0.23	0.02	0.31	0.16	0.01	0.09	0.03	0.09	0.01	0.05	0.06	0.20	0.18	0.61	0.31	0.89	0.25	0.81	0.75	0.69	0.83	0.92	0.80	0.91	0.99	0.90	0.92	0.80	0.91	1.00	1.00	1.00	0.96	1.00	0.94	0.95	0.47	0.81	0.92	0.66	1.00	1.00	1.00
9	29	13	0.07	0.66	0.16	0.15	0.00	0.33	0.18	0.00	0.12	0.06	0.05	0.00	0.08	0.02	0.23	0.21	0.55	0.29	0.88	0.20	0.82	0.66	0.60	0.81	0.89	0.79	0.88	0.95	0.87	0.88	0.72	0.92	0.96	0.99	0.97	0.94	0.99	0.90	0.93	0.45	0.81	0.91	0.65	1.00	1.00	1.00
9	29	14	0.10	0.84	0.08	0.11	0.00	0.29	0.20	0.00	0.16	0.09	0.01	0.00	0.11	0.02	0.26	0.24	0.47	0.23	0.79	0.14	0.84	0.84	0.78	0.80	0.91	0.83	0.89	0.99	0.88	0.88	0.79	0.93	1.00	1.00	0.98	0.96	0.97	0.94	0.95	0.56	0.90	0.91	0.62	1.00	1.00	1.00
9	29	15	0.10	0.62	0.05	0.08	0.00	0.21	0.20	0.00	0.16	0.09	0.00	0.00	0.11	0.01	0.30	0.28	0.38	0.17	0.77	0.10	0.87	0.62	0.57	0.71	0.84	0.79	0.83	0.96	0.84	0.84	0.78	0.91	0.97	0.95	0.93	0.91	0.90	0.89	0.90	0.59	0.87	0.85	0.53	1.00	1.00	1.00
9	29	16	0.12	0.81	0.03	0.07	0.00	0.16	0.20	0.00	0.18	0.11	0.01	0.00	0.13	0.02	0.32	0.30	0.35	0.21	0.71	0.07	0.89	0.81	0.74	0.53	0.70	0.73	0.69	0.85	0.74	0.72	0.70	0.78	0.85	0.85	0.78	0.77	0.77	0.75	0.77	0.72	0.79	0.71	0.48	1.00	1.00	1.00
9	29	17	0.11	0.58	0.04	0.07	0.00	0.12	0.22	0.00	0.17	0.10	0.07	0.00	0.12	0.03	0.33	0.31	0.37	0.14	0.50	0.05	0.84	0.58	0.51	0.25	0.42	0.37	0.41	0.62	0.52	0.50	0.48	0.50	0.53	0.56	0.43	0.48	0.44	0.44	0.47	0.41	0.50	0.21	0.13	1.00	1.00	1.00
9	29	18	0.08	0.66	0.10	0.10	0.00	0.10	0.26	0.00	0.14	0.07	0.18	0.03	0.09	0.10	0.31	0.29	0.36	0.08	0.46	0.09	0.65	0.66	0.60	0.01	0.08	0.06	0.08	0.23	0.19	0.17	0.13	0.16	0.13	0.12	0.05	0.06	0.05	0.05	0.06	0.06	0.09	0.00	0.00	1.00	1.00	1.00
9	29	19	0.10	0.86	0.21	0.15	0.00	0.19	0.31	0.01	0.16	0.09	0.24	0.09	0.11	0.16	0.36	0.34	0.31	0.04	0.39	0.15	0.74	0.86	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	20	0.08	0.76	0.26	0.13	0.01	0.23	0.33	0.02	0.14	0.07	0.24	0.12	0.09	0.20	0.43	0.41	0.29	0.04	0.48	0.17	0.78	0.76	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	21	0.06	0.73	0.23	0.12	0.02	0.33	0.30	0.06	0.11	0.05	0.27	0.14	0.06	0.22	0.51	0.49	0.27	0.03	0.69	0.25	0.67	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	22	0.06	0.67	0.19	0.13	0.01	0.30	0.24	0.12	0.12	0.05	0.40	0.17	0.07	0.24	0.57	0.55	0.28	0.05	0.80	0.33	0.42	0.67	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	23	0.08	0.64	0.18	0.14	0.00	0.21	0.16	0.11	0.14	0.07	0.39	0.20	0.09	0.27	0.58	0.56	0.32	0.09	0.78	0.26	0.27	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	29	24	0.08	0.56	0.18	0.15	0.00	0.14	0.11	0.10	0.14	0.07	0.30	0.21	0.09	0.28	0.56	0.54	0.44	0.09	0.82	0.27	0.14	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	1	0.06	0.53	0.17	0.16	0.00	0.10	0.05	0.09	0.12	0.05	0.21	0.17	0.07	0.24	0.55	0.54	0.52	0.07	0.78	0.26	0.03	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	2	0.06	0.40	0.15	0.17	0.00	0.08	0.01	0.12	0.12	0.06	0.19	0.15	0.07	0.22	0.60	0.58	0.51	0.06	0.79	0.25	0.03	0.40	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	3	0.05	0.42	0.10	0.19	0.00	0.13	0.00	0.14	0.11	0.04	0.24	0.20	0.06	0.27	0.61	0.60	0.58	0.06	0.84	0.29	0.03	0.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	4	0.04	0.58	0.06	0.21	0.00	0.07	0.00	0.13	0.10	0.03	0.26	0.28	0.05	0.35	0.61	0.59	0.66	0.03	0.83	0.26	0.05	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	5	0.02	0.70	0.04	0.22	0.00	0.03	0.00	0.15	0.07	0.01	0.19	0.35	0.03	0.42	0.59	0.57	0.66	0.02	0.76	0.26	0.07	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	6	0.00	0.80	0.04	0.22	0.00	0.03	0.00	0.17	0.05	0.00	0.13	0.40	0.00	0.46	0.57	0.56	0.62	0.01	0.72	0.22	0.06	0.80	0.75	0.00	0.01	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.01	0.01	0.02	0.12	0.03	0.06	0.25	1.00	1.00	1.00
9	30	7	0.00	0.68	0.03	0.22	0.00	0.01	0.00	0.16	0.03	0.00	0.10	0.44	0.00	0.50	0.61	0.59	0.52	0.01	0.70	0.17	0.06	0.68	0.61	0.02	0.22	0.49	0.22	0.27	0.14	0.17	0.29	0.23	0.36	0.44	0.49	0.43	0.40	0.40	0.43	0.52	0.49	0.47	0.67	1.00	1.00	1.00
9	30	8	0.00	0.47	0.02	0.20	0.00	0.00	0.00	0.11	0.01	0.00	0.04	0.40	0.00	0.46	0.66	0.64	0.38	0.01	0.71	0.11	0.03	0.47	0.38	0.27	0.53	0.76	0.52	0.65	0.54	0.55	0.62	0.61	0.70	0.73	0.74	0.70	0.65	0.70	0.69	0.78	0.74	0.69	0.89	1.00	1.00	1.00
9	30	9	0.00	0.49	0.00	0.18	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.30	0.00	0.37	0.69	0.68	0.31	0.01	0.77	0.09	0.02	0.49	0.39	0.52	0.72	0.91	0.71	0.82	0.75	0.74	0.80	0.82	0.88	0.90	0.86	0.84	0.78	0.83	0.83	0.87	0.86	0.83	0.98	1.00	1.00	1.00
9	30	10	0.00	0.51	0.00	0.19	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.19	0.00	0.26	0.74	0.73	0.32	0.01	0.84	0.08	0.04	0.51	0.41	0.69	0.84	0.99	0.83	0.93	0.83	0.84	0.88	0.92	0.99	0.98	0.93	0.90	0.87	0.94	0.89	0.92	0.91	0.89	1.00	1.00	1.00	1.00
9	30	11	0.00	0.52	0.00	0.23	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.08	0.00	0.15	0.82	0.81	0.36	0.01	0.86	0.09	0.04	0.52	0.43	0.79	0.90	1.00	0.88	0.96	0.88	0.87	0.91	0.95	1.00	0.98	0.97	0.93	0.93	0.95	0.93	0.90	0.94	0.93	1.00	1.00	1.00	1.00
9	30	12	0.00	0.50	0.04	0.34	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.03	0.00	0.09	0.87	0.87	0.41	0.01	0.85	0.12	0.05	0.50	0.40	0.82	0.91	0.99	0.90	0.94	0.91	0.89	0.91	0.96	1.00	0.97	0.98	0.92	0.94	0.94	0.91	0.93	0.93	0.93	0.99	1.00	1.00	1.00
9	30	13	0.00	0.45	0.13	0.47	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.00	0.08	0.88	0.88	0.48	0.03	0.83	0.15	0.04	0.45	0.35	0.77	0.85	0.95	0.84	0.78	0.86	0.84	0.85	0.89	0.93	0.94	0.90	0.88	0.92	0.86	0.87	0.88	0.87	0.88	0.99	1.00	1.00	1.00
9	30	14	0.04	0.36	0.21	0.57	0.00	0.00	0.00	0.00	0.10	0.03	0.00	0.00	0.05	0.04	0.90	0.90	0.56	0.08	0.78	0.21	0.04	0.36	0.26	0.77	0.86	0.95	0.85	0.77	0.86	0.85	0.88	0.94	0.98	0.97	0.95	0.90	0.89	0.90	0.89	0.88	0.91	0.88	0.95	1.00	1.00	1.00
9	30	15	0.08	0.31	0.35	0.64	0.00	0.00	0.00	0.00	0.14	0.07	0.00	0.00	0.09	0.01	0.90	0.90	0.68	0.18	0.70	0.24	0.04	0.31	0.21	0.67	0.80	0.88	0.78	0.72	0.82	0.81	0.85	0.89	0.93	0.92	0.88	0.86	0.84	0.84	0.85	0.86	0.88	0.81	0.84	1.00	1.00	1.00
9	30	16	0.09	0.29	0.53	0.68	0.01	0.01	0.00	0.00	0.15	0.08	0.01	0.00	0.10	0.01	0.88	0.87	0.77	0.30	0.60	0.26	0.03	0.29	0.18	0.51	0.67	0.72	0.65	0.59	0.72	0.71	0.75	0.79	0.82	0.81	0.78	0.72	0.72	0.71	0.72	0.74	0.77	0.69	0.60	1.00	1.00	1.00
9	30	17	0.07	0.35	0.48	0.67	0.09	0.00	0.00	0.00	0.12	0.06	0.00	0.00	0.08	0.00	0.84	0.83	0.72	0.36	0.44	0.21	0.02	0.35	0.25	0.23	0.38	0.33	0.37	0.35	0.47	0.47	0.49	0.48	0.58	0.55	0.36	0.42	0.40	0.42	0.41	0.31	0.49	0.30	0.17	1.00	1.00	1.00
9	30	18	0.12	0.41	0.46	0.72	0.33	0.06	0.00	0.00	0.18	0.11	0.00	0.00	0.13	0.00	0.83	0.83	0.62	0.47	0.39	0.23	0.04	0.41	0.30	0.01	0.07	0.04	0.07	0.11	0.16	0.15	0.13	0.14	0.15	0.11	0.04	0.04	0.04	0.04	0.04	0.02	0.09	0.01	0.00	1.00	1.00	1.00
9	30	19	0.15	0.30	0.37	0.72	0.53	0.69	0.00	0.01	0.21	0.14	0.00	0.00	0.16	0.00	0.87	0.86	0.58	0.58	0.37	0.26	0.08	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	20	0.08	0.22	0.55	0.67	0.61	0.82	0.00	0.06	0.14	0.07	0.00	0.00	0.09	0.00	0.86	0.86	0.59	0.64	0.35	0.28	0.16	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	21	0.11	0.17	0.41	0.61	0.56	0.86	0.00	0.15	0.17	0.10	0.00	0.00	0.12	0.00	0.85	0.84	0.65	0.62	0.32	0.30	0.22	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	22	0.18	0.11	0.32	0.58	0.50	0.80	0.01	0.24	0.23	0.17	0.00	0.00	0.19	0.00	0.83	0.82	0.65	0.67	0.34	0.33	0.23	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	23	0.28	0.08	0.33	0.57	0.50	0.64	0.02	0.32	0.34	0.28	0.01	0.00	0.29	0.00	0.87	0.86	0.73	0.70	0.35	0.37	0.29	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
9	30	24	0.30	0.13	0.35	0.57	0.50	0.79	0.04	0.36	0.36	0.30	0.02	0.00	0.31	0.01	0.82	0.81	0.81	0.67	0.35	0.45	0.33	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	1	0.28	0.14	0.40	0.50	0.47	0.94	0.08	0.35	0.33	0.27	0.05	0.00	0.29	0.01	0.80	0.79	0.84	0.69	0.34	0.50	0.35	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	2	0.22	0.11	0.41	0.51	0.45	0.75	0.12	0.32	0.27	0.21	0.08	0.00	0.23	0.02	0.73	0.72	0.77	0.73	0.39	0.53	0.34	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	3	0.24	0.09	0.39	0.51	0.45	0.70	0.16	0.31	0.30	0.23	0.11	0.00	0.25	0.04	0.61	0.59	0.53	0.75	0.47	0.55	0.37	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	4	0.24	0.11	0.33	0.45	0.41	0.60	0.19	0.29	0.30	0.23	0.12	0.03	0.25	0.09	0.60	0.58	0.36	0.72	0.57	0.51	0.39	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	5	0.19	0.13	0.31	0.41	0.37	0.54	0.22	0.21	0.25	0.18	0.09	0.05	0.20	0.12	0.66	0.65	0.37	0.66	0.53	0.46	0.38	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	6	0.18	0.10	0.36	0.31	0.39	0.47	0.27	0.15	0.23	0.17	0.12	0.15	0.19	0.23	0.66	0.64	0.43	0.64	0.49	0.46	0.36	0.10	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.10	0.01	0.01	0.10	1.00	1.00	1.00
10	1	7	0.25	0.09	0.44	0.21	0.39	0.41	0.33	0.15	0.31	0.25	0.25	0.17	0.26	0.25	0.63	0.62	0.47	0.68	0.50	0.46	0.32	0.09	0.01	0.01	0.15	0.22	0.14	0.04	0.04	0.10	0.21	0.22	0.37	0.41	0.42	0.32	0.12	0.11	0.32	0.47	0.28	0.09	0.32	1.00	1.00	1.00
10	1	8	0.31	0.07	0.53	0.12	0.23	0.18	0.32	0.12	0.36	0.30	0.20	0.04	0.32	0.10	0.63	0.61	0.52	0.79	0.47	0.41	0.30	0.07	0.00	0.21	0.39	0.38	0.38	0.28	0.19	0.51	0.55	0.61	0.72	0.70	0.72	0.50	0.23	0.28	0.49	0.72	0.48	0.14	0.59	1.00	1.00	1.00
10	1	9	0.35	0.07	0.53	0.07	0.09	0.04	0.32	0.09	0.40	0.34	0.18	0.00	0.36	0.06	0.62	0.61	0.52	0.87	0.53	0.57	0.34	0.07	0.00	0.44	0.60	0.49	0.59	0.45	0.44	0.66	0.78	0.83	0.92	0.89	0.89	0.77	0.45	0.36	0.76	0.82	0.54	0.30	0.69	1.00	1.00	1.00
10	1	10	0.44	0.14	0.55	0.05	0.01	0.13	0.38	0.12	0.49	0.43	0.17	0.02	0.45	0.08	0.63	0.62	0.46	0.98	0.69	0.67	0.43	0.14	0.04	0.60	0.73	0.53	0.72	0.62	0.50	0.81	0.88	0.94	1.00	0.96	0.96	0.79	0.63	0.48	0.78	0.81	0.53	0.38	0.69	1.00	1.00	1.00
10	1	11	0.49	0.21	0.68	0.05	0.00	0.30	0.39	0.18	0.53	0.48	0.19	0.05	0.50	0.12	0.62	0.61	0.36	0.97	0.76	0.68	0.44	0.21	0.10	0.71	0.81	0.61	0.80	0.89	0.62	0.68	0.91	1.00	1.00	1.00	1.00	0.88	0.64	0.58	0.87	0.86	0.55	0.38	0.63	1.00	1.00	1.00
10	1	12	0.56	0.23	0.83	0.05	0.00	0.29	0.40	0.22	0.60	0.56	0.24	0.09	0.57	0.16	0.60	0.58	0.30	0.97	0.75	0.70	0.44	0.23	0.12	0.79	0.88	0.53	0.86	0.91	0.74	0.76	0.96	1.00	1.00	1.00	1.00	0.97	0.83	0.62	0.96	0.82	0.66	0.28	0.51	1.00	1.00	1.00
10	1	13	0.61	0.27	0.91	0.05	0.00	0.23	0.43	0.25	0.64	0.61	0.27	0.12	0.62	0.19	0.58	0.57	0.25	0.98	0.72	0.70	0.37	0.27	0.16	0.79	0.87	0.46	0.85	0.88	0.70	0.90	0.95	1.00	1.00	1.00	0.99	0.98	0.76	0.52	0.97	0.53	0.71	0.26	0.36	1.00	1.00	1.00
10	1	14	0.72	0.30	0.97	0.06	0.00	0.24	0.47	0.32	0.75	0.72	0.34	0.13	0.72	0.21	0.58	0.56	0.30	0.99	0.70	0.68	0.46	0.30	0.19	0.74	0.83	0.55	0.82	0.94	0.83	0.88	0.92	0.99	1.00	1.00	0.94	0.96	0.53	0.50	0.95	0.57	0.78	0.26	0.30	1.00	1.00	1.00
10	1	15	0.78	0.36	0.99	0.05	0.00	0.27	0.49	0.40	0.80	0.78	0.41	0.22	0.79	0.29	0.58	0.57	0.46	1.00	0.84	0.67	0.69	0.36	0.25	0.67	0.80	0.44	0.78	0.94	0.82	0.83	0.88	0.93	0.97	0.94	0.83	0.89	0.67	0.59	0.88	0.38	0.77	0.18	0.23	1.00	1.00	1.00
10	1	16	0.77	0.37	0.99	0.06	0.00	0.30	0.55	0.47	0.79	0.77	0.49	0.32	0.77	0.39	0.56	0.54	0.50	0.99	0.81	0.68	0.64	0.37	0.27	0.50	0.65	0.35	0.64	0.81	0.70	0.69	0.74	0.78	0.83	0.80	0.74	0.71	0.61	0.54	0.70	0.04	0.67	0.21	0.19	1.00	1.00	1.00
10	1	17	0.76	0.41	0.98	0.07	0.00	0.38	0.60	0.53	0.78	0.76	0.54	0.38	0.76	0.45	0.50	0.48	0.59	0.93	0.81	0.75	0.52	0.41	0.30	0.23	0.37	0.22	0.36	0.57	0.43	0.42	0.48	0.49	0.54	0.52	0.27	0.44	0.38	0.31	0.44	0.13	0.43	0.08	0.04	1.00	1.00	1.00
10	1	18	0.70	0.41	0.96	0.13	0.00	0.46	0.62	0.60	0.73	0.70	0.54	0.34	0.71	0.41	0.41	0.39	0.54	0.86	0.91	0.66	0.51	0.41	0.31	0.01	0.05	0.05	0.05	0.20	0.06	0.04	0.08	0.11	0.11	0.16	0.02	0.04	0.03	0.02	0.04	0.02	0.11	0.00	0.00	1.00	1.00	1.00
10	1	19	0.69	0.53	0.87	0.22	0.02	0.68	0.64	0.61	0.72	0.69	0.50	0.31	0.70	0.38	0.44	0.42	0.48	0.86	0.91	0.55	0.51	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	20	0.53	0.49	0.83	0.29	0.13	0.72	0.60	0.56	0.56	0.52	0.52	0.35	0.53	0.41	0.42	0.40	0.49	0.58	0.83	0.52	0.56	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	21	0.57	0.45	0.85	0.37	0.21	0.80	0.50	0.48	0.61	0.56	0.54	0.42	0.57	0.48	0.41	0.39	0.50	0.57	0.80	0.52	0.49	0.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	22	0.53	0.30	0.87	0.42	0.23	0.78	0.45	0.34	0.57	0.53	0.44	0.40	0.54	0.46	0.37	0.35	0.40	0.70	0.67	0.41	0.48	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	23	0.44	0.35	0.80	0.49	0.19	0.81	0.38	0.32	0.49	0.44	0.36	0.32	0.45	0.39	0.45	0.43	0.30	0.71	0.71	0.37	0.57	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	1	24	0.39	0.45	0.75	0.53	0.10	0.85	0.28	0.24	0.43	0.38	0.24	0.27	0.39	0.34	0.49	0.47	0.20	0.65	0.75	0.41	0.54	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	1	0.35	0.50	0.66	0.54	0.03	0.82	0.20	0.14	0.40	0.34	0.14	0.23	0.36	0.30	0.54	0.52	0.13	0.56	0.74	0.28	0.49	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	2	0.32	0.62	0.62	0.55	0.06	0.73	0.14	0.08	0.37	0.31	0.03	0.16	0.33	0.24	0.51	0.50	0.09	0.45	0.88	0.16	0.52	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	3	0.29	0.71	0.67	0.55	0.10	0.70	0.09	0.10	0.35	0.29	0.01	0.09	0.30	0.17	0.55	0.53	0.09	0.34	0.97	0.13	0.48	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	4	0.25	0.73	0.73	0.55	0.06	0.69	0.06	0.12	0.31	0.24	0.01	0.01	0.26	0.07	0.60	0.59	0.17	0.23	0.94	0.11	0.37	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	5	0.20	0.76	0.73	0.55	0.01	0.36	0.04	0.18	0.26	0.19	0.04	0.00	0.21	0.02	0.66	0.65	0.32	0.14	0.84	0.09	0.32	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	6	0.16	0.81	0.70	0.53	0.00	0.39	0.03	0.23	0.22	0.15	0.07	0.00	0.17	0.01	0.67	0.65	0.46	0.09	0.81	0.08	0.24	0.81	0.77	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.02	0.07	0.02	0.08	0.11	1.00	1.00	1.00
10	2	7	0.09	0.77	0.59	0.50	0.00	0.38	0.00	0.25	0.15	0.08	0.11	0.00	0.10	0.03	0.68	0.66	0.54	0.05	0.79	0.07	0.14	0.77	0.72	0.02	0.22	0.45	0.22	0.26	0.13	0.16	0.28	0.25	0.37	0.45	0.48	0.44	0.43	0.40	0.44	0.51	0.49	0.35	0.60	1.00	1.00	1.00
10	2	8	0.04	0.70	0.50	0.38	0.00	0.34	0.00	0.15	0.10	0.03	0.06	0.00	0.05	0.03	0.66	0.65	0.52	0.01	0.83	0.05	0.01	0.70	0.64	0.28	0.54	0.69	0.53	0.66	0.54	0.55	0.62	0.63	0.72	0.76	0.76	0.73	0.73	0.67	0.72	0.77	0.73	0.56	0.70	1.00	1.00	1.00
10	2	9	0.01	0.67	0.50	0.16	0.00	0.13	0.00	0.08	0.06	0.00	0.00	0.00	0.02	0.02	0.62	0.61	0.51	0.01	0.91	0.02	0.00	0.67	0.60	0.54	0.75	0.84	0.74	0.86	0.75	0.75	0.81	0.84	0.92	0.91	0.91	0.88	0.88	0.86	0.87	0.89	0.88	0.69	0.74	1.00	1.00	1.00
10	2	10	0.00	0.61	0.59	0.09	0.00	0.14	0.00	0.07	0.04	0.00	0.00	0.00	0.00	0.02	0.63	0.62	0.51	0.01	0.96	0.00	0.00	0.61	0.54	0.72	0.88	0.94	0.86	0.95	0.85	0.86	0.91	0.94	1.00	1.00	0.97	0.98	0.97	0.96	0.97	0.95	0.93	0.80	0.95	1.00	1.00	1.00
10	2	11	0.00	0.57	0.74	0.05	0.00	0.12	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.01	0.63	0.61	0.49	0.00	0.96	0.00	0.00	0.57	0.48	0.83	0.94	0.97	0.93	0.99	0.89	0.89	0.94	0.99	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.92	0.96	0.82	0.89	1.00	1.00	1.00
10	2	12	0.00	0.53	0.84	0.04	0.00	0.11	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.65	0.47	0.00	0.97	0.00	0.00	0.52	0.44	0.87	0.96	0.94	0.94	1.00	0.89	0.89	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.97	0.74	0.78	1.00	1.00	1.00
10	2	13	0.00	0.53	0.84	0.06	0.00	0.08	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.71	0.70	0.44	0.00	0.97	0.00	0.00	0.53	0.44	0.84	0.93	0.92	0.91	0.98	0.87	0.84	0.93	0.95	1.00	1.00	1.00	0.97	0.98	0.97	0.96	0.96	0.95	0.65	0.80	1.00	1.00	1.00
10	2	14	0.00	0.51	0.80	0.09	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.73	0.46	0.00	0.96	0.00	0.00	0.51	0.42	0.82	0.92	0.90	0.90	0.97	0.87	0.87	0.92	0.97	1.00	1.00	0.98	0.97	0.95	0.94	0.96	0.94	0.94	0.67	0.77	1.00	1.00	1.00
10	2	15	0.00	0.47	0.77	0.14	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.78	0.58	0.00	0.93	0.00	0.00	0.47	0.38	0.71	0.84	0.86	0.83	0.92	0.80	0.81	0.87	0.92	0.97	0.95	0.92	0.90	0.87	0.89	0.90	0.88	0.89	0.68	0.75	1.00	1.00	1.00
10	2	16	0.00	0.48	0.84	0.19	0.00	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.81	0.70	0.00	0.89	0.00	0.00	0.48	0.38	0.52	0.68	0.68	0.67	0.82	0.68	0.69	0.74	0.77	0.83	0.80	0.79	0.74	0.71	0.73	0.73	0.74	0.76	0.50	0.54	1.00	1.00	1.00
10	2	17	0.00	0.49	0.89	0.20	0.00	0.12	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.78	0.75	0.00	0.78	0.00	0.00	0.49	0.40	0.22	0.37	0.28	0.36	0.52	0.39	0.42	0.45	0.44	0.50	0.47	0.44	0.44	0.39	0.38	0.43	0.17	0.45	0.21	0.16	1.00	1.00	1.00
10	2	18	0.00	0.52	0.82	0.23	0.07	0.14	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.73	0.77	0.03	0.72	0.02	0.01	0.52	0.42	0.00	0.04	0.04	0.04	0.18	0.03	0.03	0.08	0.07	0.10	0.09	0.03	0.04	0.03	0.03	0.04	0.02	0.10	0.00	0.00	1.00	1.00	1.00
10	2	19	0.00	0.52	0.60	0.29	0.27	0.14	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.70	0.84	0.08	0.62	0.01	0.02	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	20	0.00	0.51	0.45	0.33	0.38	0.21	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.73	0.91	0.17	0.55	0.00	0.04	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	21	0.00	0.46	0.51	0.33	0.42	0.18	0.46	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.79	0.78	0.87	0.28	0.58	0.00	0.06	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	22	0.01	0.36	0.55	0.37	0.44	0.17	0.45	0.00	0.07	0.01	0.00	0.00	0.02	0.03	0.79	0.78	0.79	0.45	0.61	0.00	0.10	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	23	0.06	0.22	0.49	0.41	0.49	0.19	0.40	0.00	0.11	0.05	0.00	0.01	0.07	0.07	0.80	0.79	0.78	0.60	0.62	0.00	0.12	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	2	24	0.09	0.19	0.57	0.36	0.54	0.27	0.31	0.00	0.15	0.08	0.00	0.02	0.10	0.09	0.80	0.79	0.77	0.70	0.64	0.00	0.13	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	1	0.09	0.21	0.56	0.33	0.49	0.24	0.24	0.00	0.15	0.08	0.00	0.03	0.10	0.10	0.78	0.77	0.72	0.77	0.75	0.01	0.12	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	2	0.10	0.22	0.70	0.31	0.38	0.18	0.18	0.00	0.16	0.09	0.00	0.04	0.11	0.11	0.78	0.77	0.66	0.79	0.70	0.01	0.11	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	3	0.18	0.17	0.87	0.30	0.33	0.12	0.12	0.00	0.24	0.17	0.00	0.03	0.19	0.10	0.76	0.75	0.54	0.80	0.62	0.00	0.13	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	4	0.17	0.09	0.87	0.27	0.31	0.06	0.08	0.00	0.22	0.16	0.00	0.02	0.17	0.08	0.74	0.72	0.48	0.83	0.57	0.00	0.18	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	5	0.13	0.05	0.81	0.25	0.31	0.04	0.06	0.00	0.19	0.12	0.00	0.00	0.14	0.06	0.70	0.69	0.38	0.86	0.53	0.00	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	6	0.10	0.04	0.82	0.26	0.33	0.04	0.05	0.00	0.16	0.09	0.00	0.00	0.11	0.04	0.63	0.61	0.40	0.84	0.52	0.00	0.25	0.04	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.02	0.08	0.02	0.08	0.25	1.00	1.00	1.00
10	3	7	0.10	0.03	0.84	0.26	0.33	0.03	0.04	0.00	0.16	0.09	0.00	0.00	0.11	0.02	0.53	0.52	0.38	0.81	0.54	0.00	0.21	0.03	0.00	0.02	0.20	0.47	0.20	0.21	0.10	0.15	0.26	0.23	0.35	0.44	0.46	0.44	0.39	0.23	0.44	0.49	0.47	0.42	0.73	1.00	1.00	1.00
10	3	8	0.07	0.02	0.70	0.21	0.24	0.03	0.04	0.00	0.13	0.06	0.00	0.00	0.08	0.02	0.45	0.44	0.24	0.75	0.61	0.00	0.11	0.02	0.00	0.28	0.52	0.75	0.51	0.56	0.54	0.54	0.61	0.62	0.72	0.75	0.73	0.72	0.68	0.61	0.71	0.74	0.73	0.70	0.93	1.00	1.00	1.00
10	3	9	0.07	0.01	0.60	0.19	0.08	0.02	0.05	0.00	0.12	0.06	0.01	0.00	0.08	0.01	0.43	0.41	0.13	0.79	0.75	0.00	0.14	0.01	0.00	0.53	0.73	0.90	0.72	0.77	0.76	0.75	0.79	0.82	0.89	0.90	0.87	0.87	0.81	0.84	0.86	0.86	0.85	0.82	1.00	1.00	1.00	1.00
10	3	10	0.18	0.03	0.57	0.27	0.02	0.02	0.08	0.03	0.23	0.17	0.04	0.00	0.19	0.01	0.48	0.46	0.16	0.89	0.80	0.00	0.18	0.03	0.00	0.70	0.85	0.99	0.84	0.85	0.85	0.85	0.88	0.93	1.00	0.99	0.96	0.96	0.93	0.91	0.95	0.92	0.92	0.89	1.00	1.00	1.00	1.00
10	3	11	0.30	0.07	0.58	0.30	0.02	0.03	0.10	0.11	0.35	0.29	0.08	0.00	0.31	0.04	0.53	0.51	0.15	0.95	0.81	0.04	0.22	0.07	0.00	0.80	0.92	1.00	0.90	0.87	0.90	0.89	0.93	0.98	1.00	1.00	1.00	0.99	0.98	0.94	0.98	0.93	0.94	0.89	1.00	1.00	1.00	1.00
10	3	12	0.44	0.15	0.50	0.31	0.04	0.03	0.13	0.21	0.49	0.44	0.14	0.00	0.45	0.06	0.59	0.57	0.17	0.97	0.82	0.13	0.28	0.15	0.05	0.84	0.93	1.00	0.92	0.88	0.91	0.90	0.93	0.99	1.00	1.00	1.00	0.99	0.98	0.95	0.99	0.94	0.93	0.84	1.00	1.00	1.00	1.00
10	3	13	0.57	0.24	0.46	0.34	0.09	0.04	0.18	0.34	0.61	0.56	0.24	0.01	0.58	0.08	0.66	0.64	0.14	0.98	0.82	0.33	0.35	0.24	0.13	0.81	0.89	0.93	0.87	0.85	0.85	0.85	0.89	0.92	0.99	0.96	0.94	0.96	0.94	0.89	0.95	0.92	0.90	0.59	1.00	1.00	1.00	1.00
10	3	14	0.66	0.30	0.52	0.36	0.20	0.07	0.27	0.50	0.69	0.65	0.28	0.05	0.66	0.11	0.70	0.69	0.11	0.99	0.81	0.41	0.39	0.30	0.19	0.79	0.89	0.92	0.88	0.96	0.87	0.85	0.90	0.96	1.00	0.98	0.95	0.94	0.92	0.85	0.93	0.90	0.92	0.66	0.95	1.00	1.00	1.00
10	3	15	0.74	0.34	0.76	0.39	0.37	0.11	0.35	0.62	0.77	0.74	0.31	0.14	0.75	0.21	0.70	0.69	0.09	0.99	0.77	0.44	0.41	0.34	0.23	0.69	0.81	0.86	0.80	0.88	0.82	0.80	0.85	0.91	0.95	0.92	0.90	0.82	0.81	0.80	0.81	0.84	0.86	0.68	0.85	1.00	1.00	1.00

Based on 2007 Weather

			Wind																						
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
10	3	16	0.84	0.37	0.78	0.43	0.58	0.12	0.42	0.68	0.86	0.84	0.38	0.31	0.85	0.39	0.71	0.70	0.07	0.99	0.71	0.47	0.44	0.37	0.26
10	3	17	0.89	0.38	0.63	0.46	0.75	0.10	0.49	0.71	0.90	0.89	0.42	0.41	0.89	0.48	0.69	0.68	0.08	0.95	0.52	0.50	0.39	0.38	0.28
10	3	18	0.91	0.46	0.54	0.43	0.84	0.56	0.57	0.74	0.92	0.91	0.49	0.41	0.91	0.47	0.66	0.64	0.08	0.93	0.35	0.49	0.42	0.46	0.36
10	3	19	0.82	0.46	0.43	0.47	0.86	0.87	0.63	0.74	0.84	0.82	0.60	0.41	0.83	0.47	0.59	0.58	0.07	0.94	0.28	0.54	0.55	0.46	0.36
10	3	20	0.77	0.42	0.26	0.46	0.85	0.91	0.67	0.71	0.79	0.77	0.75	0.47	0.78	0.53	0.54	0.53	0.07	0.95	0.26	0.62	0.61	0.42	0.31
10	3	21	0.73	0.41	0.18	0.42	0.87	0.95	0.71	0.70	0.75	0.72	0.78	0.55	0.73	0.60	0.46	0.44	0.06	0.94	0.29	0.69	0.65	0.41	0.30
10	3	22	0.73	0.42	0.14	0.40	0.88	0.86	0.74	0.70	0.75	0.73	0.83	0.61	0.73	0.65	0.43	0.41	0.03	0.92	0.30	0.73	0.69	0.42	0.32
10	3	23	0.72	0.49	0.10	0.37	0.86	0.87	0.76	0.69	0.75	0.72	0.81	0.68	0.73	0.72	0.38	0.36	0.02	0.91	0.36	0.70	0.65	0.49	0.39
10	3	24	0.59	0.57	0.12	0.33	0.84	0.95	0.78	0.69	0.62	0.59	0.85	0.66	0.60	0.69	0.34	0.32	0.01	0.91	0.48	0.67	0.64	0.57	0.48
10	4	1	0.56	0.65	0.20	0.28	0.83	0.63	0.79	0.68	0.60	0.55	0.82	0.71	0.57	0.74	0.37	0.35	0.01	0.88	0.56	0.63	0.60	0.65	0.57
10	4	2	0.52	0.71	0.27	0.24	0.80	0.42	0.79	0.67	0.56	0.52	0.78	0.73	0.53	0.76	0.45	0.43	0.02	0.82	0.55	0.62	0.55	0.71	0.65
10	4	3	0.51	0.77	0.17	0.21	0.73	0.59	0.79	0.64	0.55	0.51	0.80	0.74	0.52	0.77	0.45	0.43	0.04	0.78	0.56	0.61	0.63	0.77	0.72
10	4	4	0.55	0.80	0.07	0.20	0.67	0.82	0.78	0.59	0.59	0.55	0.83	0.73	0.56	0.76	0.36	0.34	0.06	0.81	0.57	0.65	0.64	0.80	0.75
10	4	5	0.65	0.76	0.03	0.23	0.70	0.69	0.75	0.52	0.69	0.65	0.87	0.72	0.66	0.75	0.32	0.30	0.06	0.87	0.53	0.69	0.55	0.76	0.71
10	4	6	0.64	0.70	0.02	0.23	0.71	0.67	0.72	0.46	0.67	0.63	0.85	0.71	0.64	0.75	0.37	0.35	0.05	0.88	0.50	0.70	0.43	0.70	0.64
10	4	7	0.69	0.61	0.01	0.22	0.64	0.76	0.69	0.44	0.71	0.68	0.83	0.66	0.69	0.70	0.30	0.27	0.05	0.87	0.42	0.75	0.40	0.61	0.53
10	4	8	0.74	0.49	0.00	0.14	0.47	0.51	0.66	0.43	0.76	0.73	0.81	0.54	0.74	0.58	0.18	0.15	0.03	0.87	0.32	0.74	0.50	0.49	0.40
10	4	9	0.80	0.53	0.00	0.09	0.26	0.17	0.65	0.48	0.81	0.79	0.81	0.52	0.80	0.57	0.12	0.10	0.02	0.90	0.30	0.83	0.65	0.53	0.44
10	4	10	0.86	0.52	0.00	0.08	0.25	0.10	0.66	0.59	0.87	0.85	0.80	0.54	0.86	0.59	0.07	0.05	0.02	0.97	0.25	0.86	0.76	0.52	0.43
10	4	11	0.91	0.48	0.00	0.13	0.37	0.08	0.65	0.67	0.92	0.91	0.81	0.52	0.91	0.57	0.04	0.02	0.03	0.99	0.20	0.91	0.86	0.48	0.39
10	4	12	0.91	0.44	0.00	0.19	0.50	0.12	0.67	0.73	0.92	0.91	0.77	0.53	0.91	0.58	0.03	0.02	0.04	0.99	0.18	0.91	0.88	0.44	0.34
10	4	13	0.96	0.40	0.00	0.26	0.58	0.17	0.69	0.76	0.97	0.96	0.75	0.53	0.96	0.58	0.03	0.02	0.04	0.99	0.24	0.94	0.90	0.40	0.29
10	4	14	0.98	0.35	0.00	0.32	0.69	0.18	0.73	0.79	0.98	0.98	0.74	0.55	0.98	0.60	0.05	0.04	0.05	0.99	0.40	0.91	0.91	0.35	0.25
10	4	15	0.98	0.32	0.00	0.42	0.80	0.16	0.79	0.80	0.98	0.98	0.76	0.54	0.98	0.59	0.06	0.04	0.11	0.98	0.58	0.91	0.91	0.32	0.21
10	4	16	0.99	0.28	0.00	0.52	0.86	0.27	0.84	0.80	0.99	0.99	0.82	0.59	0.99	0.63	0.06	0.05	0.15	0.98	0.71	0.92	0.88	0.28	0.17
10	4	17	0.99	0.20	0.00	0.54	0.89	0.84	0.86	0.77	0.99	0.99	0.91	0.69	0.99	0.73	0.08	0.06	0.17	0.98	0.68	0.92	0.82	0.20	0.10
10	4	18	0.99	0.18	0.01	0.55	0.85	0.74	0.88	0.73	0.99	0.99	0.93	0.78	0.99	0.81	0.05	0.03	0.20	0.97	0.74	0.91	0.71	0.18	0.09
10	4	19	0.98	0.35	0.14	0.48	0.81	0.81	0.90	0.71	0.98	0.98	0.97	0.80	0.98	0.82	0.07	0.05	0.17	0.96	0.66	0.90	0.64	0.35	0.24
10	4	20	0.95	0.47	0.25	0.40	0.79	0.69	0.88	0.76	0.95	0.95	0.98	0.84	0.95	0.86	0.06	0.05	0.13	0.95	0.49	0.86	0.61	0.47	0.37
10	4	21	0.93	0.53	0.20	0.29	0.67	0.61	0.89	0.77	0.93	0.93	0.96	0.85	0.93	0.87	0.07	0.05	0.14	0.96	0.40	0.78	0.61	0.53	0.43
10	4	22	0.86	0.58	0.16	0.24	0.54	0.78	0.93	0.77	0.87	0.85	0.89	0.79	0.86	0.81	0.09	0.07	0.18	0.95	0.33	0.73	0.61	0.58	0.49
10	4	23	0.86	0.57	0.13	0.26	0.54	0.77	0.91	0.79	0.87	0.85	0.87	0.64	0.86	0.68	0.11	0.09	0.22	0.93	0.31	0.68	0.55	0.57	0.49
10	4	24	0.94	0.54	0.10	0.30	0.59	0.33	0.89	0.79	0.95	0.94	0.87	0.54	0.94	0.59	0.11	0.09	0.28	0.90	0.26	0.63	0.51	0.54	0.45
10	5	1	0.94	0.48	0.04	0.27	0.60	0.17	0.86	0.80	0.95	0.94	0.87	0.53	0.95	0.58	0.12	0.10	0.34	0.91	0.35	0.59	0.50	0.48	0.39
10	5	2	0.95	0.53	0.04	0.18	0.63	0.08	0.84	0.81	0.95	0.94	0.84	0.50	0.95	0.55	0.14	0.11	0.35	0.87	0.38	0.54	0.42	0.53	0.44
10	5	3	0.91	0.60	0.03	0.13	0.62	0.22	0.81	0.81	0.92	0.91	0.70	0.50	0.92	0.55	0.16	0.14	0.47	0.86	0.36	0.61	0.47	0.60	0.52
10	5	4	0.86	0.67	0.01	0.16	0.53	0.17	0.79	0.80	0.87	0.85	0.64	0.49	0.86	0.55	0.19	0.17	0.54	0.82	0.35	0.63	0.49	0.68	0.60
10	5	5	0.80	0.68	0.00	0.19	0.40	0.16	0.78	0.78	0.82	0.80	0.63	0.48	0.80	0.53	0.23	0.20	0.53	0.76	0.38	0.64	0.55	0.68	0.61
10	5	6	0.78	0.60	0.01	0.22	0.22	0.08	0.79	0.80	0.79	0.77	0.60	0.54	0.78	0.59	0.27	0.25	0.47	0.73	0.39	0.68	0.62	0.60	0.52
10	5	7	0.76	0.45	0.05	0.28	0.06	0.05	0.79	0.79	0.78	0.76	0.60	0.54	0.76	0.59	0.28	0.26	0.41	0.76	0.37	0.63	0.56	0.45	0.35
10	5	8	0.74	0.38	0.06	0.28	0.01	0.09	0.77	0.75	0.77	0.74	0.64	0.56	0.75	0.60	0.28	0.26	0.36	0.82	0.37	0.55	0.66	0.38	0.28
10	5	9	0.78	0.40	0.02	0.27	0.00	0.12	0.74	0.73	0.80	0.78	0.70	0.75	0.78	0.78	0.26	0.24	0.37	0.88	0.41	0.63	0.73	0.40	0.30
10	5	10	0.79	0.47	0.00	0.32	0.00	0.12	0.72	0.72	0.81	0.79	0.81	0.85	0.79	0.87	0.26	0.24	0.46	0.81	0.41	0.72	0.80	0.47	0.37
10	5	11	0.83	0.46	0.01	0.36	0.00	0.08	0.71	0.77	0.85	0.83	0.83	0.89	0.84	0.91	0.27	0.25	0.55	0.79	0.42	0.83	0.78	0.46	0.37
10	5	12	0.85	0.50	0.00	0.38	0.00	0.11	0.72	0.85	0.86	0.85	0.84	0.94	0.85	0.95	0.29	0.27	0.60	0.78	0.40	0.82	0.83	0.50	0.40
10	5	13	0.88	0.52	0.00	0.40	0.00	0.19	0.75	0.89	0.90	0.88	0.91	0.99	0.89	0.99	0.31	0.29	0.61	0.73	0.38	0.81	0.87	0.52	0.43
10	5	14	0.88	0.56	0.01	0.44	0.00	0.21	0.80	0.88	0.89	0.87	0.91	1.00	0.88	1.00	0.33	0.31	0.65	0.72	0.39	0.81	0.85	0.56	0.47
10	5	15	0.89	0.60	0.03	0.47	0.00	0.26	0.84	0.88	0.90	0.89	0.92	1.00	0.89	1.00	0.34	0.32	0.64	0.74	0.41	0.90	0.81	0.60	0.52
10	5	16	0.90	0.59	0.07	0.50	0.00	0.29	0.86	0.89	0.91	0.90	0.95	0.99	0.90	1.00	0.35	0.32	0.70	0.79	0.41	0.90	0.78	0.59	0.50
10	5	17	0.90	0.51	0.18	0.44	0.09	0.50	0.88	0.88	0.91	0.90	0.93	0.99	0.90	0.99	0.35	0.33	0.74	0.93	0.31	0.82	0.70	0.51	0.42
10	5	18	0.92	0.52	0.40	0.41	0.44	0.75	0.87	0.76	0.93	0.92	0.92	0.95	0.92	0.96	0.37	0.35	0.78	0.99	0.26	0.70	0.61	0.52	0.43
10	5	19	0.92	0.62	0.53	0.40	0.59	0.94	0.88	0.66	0.93	0.92	0.91	0.87	0.92	0.89	0.40	0.38	0.78	0.99	0.29	0.59	0.62	0.62	0.55
10	5	20	0.78	0.71	0.52	0.45	0.40	0.86	0.88	0.60	0.80	0.78	0.87	0.81	0.78	0.83	0.43	0.41	0.78	0.98	0.40	0.49	0.65	0.71	0.64
10	5	21	0.77	0.77	0.46	0.53	0.17	0.76	0.87	0.52	0.79	0.76	0.78	0.77	0.77	0.80	0.49	0.47	0.78	0.94	0.41	0.43	0.64	0.77	0.71
10	5	22	0.78	0.65	0.40	0.60	0.06	0.80	0.85	0.58	0.79	0.77	0.75	0.75	0.78	0.78	0.51	0.49	0.78	0.87	0.40	0.35	0.64	0.65	0.58
10	5	23	0.80	0.57	0.41	0.56	0.08	0.85	0.80	0.75	0.82	0.80	0.72	0.76	0.80	0.79	0.49	0.48	0.77	0.85	0.39	0.33	0.69	0.57	0.49
10	5	24	0.82	0.58	0.44	0.48	0.13	0.85	0.69	0.86	0.84	0.82	0.66	0.79	0.82	0.81	0.49	0.47	0.76	0.81	0.26	0.26	0.68	0.58	0.50
10	6	1	0.81	0.60	0.53	0.46	0.16	0.78	0.63	0.82	0.83	0.81	0.65	0.79	0.81	0.81	0.51	0.49	0.77	0.71	0.16	0.19	0.70	0.60	0.53
10	6	2	0.70	0.68	0.56	0.48	0.16	0.82	0.60	0.74	0.73	0.69	0.64	0.71	0.70	0.74	0.50	0.48	0.81	0.70	0.23	0.13	0.71	0.68	0.60
10	6	3	0.55	0.68	0.56	0.48	0.17	0.54	0.58	0.71	0.58	0.54	0.61	0.59	0.55	0.63	0.49	0.48	0.80	0.67	0.35	0.12	0.68	0.68	0.62
10	6	4	0.46	0.68	0.54	0.44	0.19	0.52	0.56	0.66	0.50	0.45	0.47	0.55	0.47	0.60	0.51	0.49	0.84	0.61	0.32	0.12	0.67	0.68	0.61
10	6	5	0.34	0.64	0.55	0.43	0.22	0.53	0.56	0.60	0.39	0.33	0.46	0.50	0.34	0.56	0.54	0.52	0.87	0.46	0.42	0.15	0.66	0.64	0.58
10	6	6	0.18	0.70	0.56	0.44	0.21	0.48	0.56	0.48	0.24	0.17	0.44	0.34	0.19	0.40	0.57	0.55	0.86	0.21	0.43	0.14	0.62	0.70	0.63
10	6	7	0.05	0.63	0.57	0.43	0.24	0.61	0.55	0.38	0.10	0.04	0.33	0.19	0.06	0.26	0.58	0.56	0.85	0.07	0.35	0.17	0.55	0.63	0.56
10	6	8	0.01	0.60	0.58	0.39	0.22	0.53	0.51	0.23	0.06	0.00	0.36	0.13	0.01	0.20	0.52	0.51	0.80	0.03	0.30	0.21	0.49	0.60	0.52
10	6	9	0.00	0.66	0.58	0.23	0.09	0.23	0.48	0.08	0.04	0.00	0.41	0.10	0.00	0.17	0.41	0.39	0.81	0.08	0.35	0.25	0.46	0.66	0.59
10	6	10	0.01	0.69	0.58	0.18	0.01	0.19	0.51	0.01	0.06	0.00	0.42	0.14	0.02	0.22	0.36	0.34	0.80	0.12	0.31	0.31	0.45	0.69	0.63
10	6	11	0.06	0.68	0.56	0.19	0.01	0.22	0.52	0.00	0.12	0.05	0.48	0.22	0.07	0.30	0.31	0.29	0.78	0.07	0.25	0.35	0.43	0.68	0.62
10	6	12	0.06	0.66	0.58	0.20	0.03	0.28	0.53	0.02	0.12	0.05	0.54	0.31	0.07	0.38	0.28	0.25	0.76	0.06	0.27	0.44	0.37	0.66	0.59
10	6	13	0.05	0.65	0.60	0.19	0.07	0.27	0.54	0.03	0.11	0.04	0.58	0.40	0.06	0.46	0.28	0.25	0.78	0.05	0.24	0.51	0.35	0.65	0.58
10	6	14	0.03	0.65	0.60	0.17	0.07	0.33	0.57	0.03	0.09	0.02	0.60	0.45	0.04	0.51	0.28	0.26	0.79	0.04	0.20	0.52	0.36	0.65	0.58
10	6	15	0.06	0.66	0.65	0.14	0.03	0.28	0.61	0.04	0.11	0.05	0.63	0.49	0.07	0.55	0.28	0.26	0.77	0.08	0.26	0.50	0.36	0.66	0.59
10	6	16	0.14	0.68	0.64	0.11	0.01	0.19	0.66	0.05	0.20	0.13	0.70	0.48	0.15	0.54	0.30	0.28	0.73	0.13	0.32	0.49	0.37	0.68	0.61
10	6	17	0.20	0.59	0.60	0.10	0.00	0.14	0.68	0.05	0.26	0.20	0.75	0.44	0.21	0.50	0.33	0.31	0.64	0.20	0.40	0.50	0.41	0.59	0.52
10	6	18	0.22	0.56	0.63	0.11	0.03	0.17	0.72	0.07	0.28	0.21	0.73	0.37	0.23	0.43	0.35	0.33	0.55	0.29	0.54	0.51	0.42	0.56	0.48
10	6	19	0.21	0.62	0.66	0.12	0.13	0.28	0.75	0.09	0.26	0.20	0.63	0.38	0.22	0.44	0.37	0.35	0.58	0.27	0.68	0.51	0.44	0.62	0.54
10	6	20	0.22	0.66	0.64	0.14	0.11	0.48	0.73	0.11	0.27	0.21	0.61	0.46	0.23	0.52	0.39	0.37	0.66	0.21	0.72	0.51	0.42	0.66	0.59
10	6	21	0.22	0.57	0.59	0.13	0.02	0.42	0.64	0.21	0.28	0.21	0.60	0.45	0.23	0.51	0.41	0.39	0.59	0.11	0.62	0.53	0.37	0.57	0.49
10	6	22	0.18	0.48	0.58	0.16	0.00	0.40	0.52	0.34	0.24	0.17	0.63	0.39	0.19	0.45	0.42	0.40	0.47	0.06	0.50	0.59	0.21	0.48	0.40
10	6	23	0.20	0.57	0.56	0.21	0.00	0.24	0.45	0.38	0.26	0.19	0.72	0.36	0.21	0.43	0.43	0.41	0.44	0.05	0.42	0.58	0.15	0.57	0.48
10	6	24	0.22	0.59	0.55	0.27	0.00	0.07	0.36	0.48	0.28	0.21	0.78	0.35	0.23	0.42	0.44	0.42	0.37	0.04	0.35	0.57	0.18	0.59	0.51
10	7	1	0.19	0.58	0.53	0.33	0.00	0.02	0.22	0.62	0.25	0.18	0.79	0.32	0.20	0.39	0.39	0.37	0.30	0.04	0.34	0.47	0.13	0.58	0.49
10	7	2	0.16	0.56	0.48	0.35	0.00	0.00	0.12	0.61	0.22	0.15	0.80	0.32	0.17	0.39	0.39	0.37	0.31	0.04	0.36	0.45	0.13	0.56	0.47
10	7	3	0.11	0.56	0.38	0.35	0.00	0.00	0.03	0.45	0.17	0.10	0.82	0.33	0.12	0.40	0.40	0.38	0.32	0.05	0.38	0.48	0.12	0.56	0.47
10	7	4	0.08	0.55	0.31	0.35	0.00	0.00	0.01	0.31	0.14	0.07	0.83	0.35	0.09	0.42	0.42	0.40	0.31	0.03	0.33	0.47	0.11	0.55	0.46
10	7	5	0.07	0.48	0.21	0.32	0.00	0.00	0.00	0.22	0.13	0.06	0.83	0.40	0.08	0.46	0.45	0.43	0.26	0.03	0.32	0.51	0.12	0.48	0.38
10	7	6	0.06	0.44	0.19	0.30	0.00	0.00	0.00	0.17	0.11	0.05	0.82	0.43	0.06	0.49	0.46	0.44	0.29	0.02	0.34	0.53	0.09	0.44	0.34
10	7	7	0.07	0.41	0.14	0.28	0.00	0.00	0.00	0.11	0.13	0.06	0.82	0.44	0.08	0.49	0.48	0.46	0.38	0.01	0.30	0.52	0.08	0.41	0.30
10	7	8	0.07	0.35	0.15	0.22	0.00	0.00	0.00	0.08	0.13	0.06	0.82	0.43	0.08	0.48	0.49	0.47	0.37	0.00	0.34	0.43	0.07	0.35	0.25
10	7	9	0.07	0.40	0.17	0.12	0.00	0.00	0.00	0.06	0.12	0.06	0.86	0.46	0.08	0.52	0.47	0.45	0.23	0.00	0.38	0.37	0.09	0.40	0.30
10	7	10	0.08	0.44	0.18	0.08	0.00	0.00	0.00	0.10	0.14	0.07	0.89	0.55	0.09	0.60	0.47	0.45	0.20	0.01	0.39	0.34	0.10	0.44	0.34
10	7	11	0.10	0.51	0.20	0.07	0.00	0.00	0.00	0.15	0.16	0.09	0.86	0.59	0.11	0.64	0.45	0.43	0.18	0.01	0.43	0.33	0.09	0.51	0.42
10	7	12	0.09	0.56	0.21	0.06	0.00	0.00	0.00	0.13	0.14	0.08	0.79	0.63	0.10	0.67	0.45	0.43	0.15	0.02	0.44	0.28	0.08	0.56	0.48
10	7	13	0.07	0.60	0.22	0.05	0.00	0.00	0.00	0.10	0.12	0.06	0.72	0.59	0.08	0.64	0.46	0.44	0.14	0.01	0.47	0.26	0.07	0.60	0.52
10	7	14	0.05	0.64	0.26	0.06	0.00	0.00	0.00	0.07	0.11	0.04	0.66	0.56	0.06	0.60	0.46	0.45	0.12	0.02	0.51	0.26	0.06	0.64	0.56
10	7	15	0.05	0.65	0.33	0.06	0.00	0.00	0.01	0.05	0.10	0.04	0.66	0.53	0.06	0.57	0.46	0.44	0.11	0.03	0.57	0.30	0.05	0.65	0.57
10	7	16	0.05	0.66	0.44	0.05	0.00	0.00	0.06	0.03	0.11	0.04	0.68	0.53	0.06	0.58	0.46	0.44	0.12	0.04	0.60	0.36	0.06	0.66	0.59
10	7	17	0.06	0.59	0.47	0.07	0.00	0.00	0.12	0.04	0.12	0.05	0.74	0.48	0.07	0.53	0.43	0.41	0.14	0.04	0.60	0.40	0.06	0.59	0.51
10	7	18	0.09	0.54	0.46	0.12	0.00	0.01	0.19	0.05	0.14	0.08	0.76	0.38	0.10	0.44	0.43	0.41	0.19	0.06	0.60	0.47	0.09	0.55	0.46
10	7	19	0.13	0.46	0.37	0.15	0.00	0.02	0.19	0.07	0.19	0.12	0.76	0.38	0.14	0.44	0.43	0.41	0.32	0.06	0.61	0.47	0.12	0.46	0.37
10	7	20	0.13	0.50	0.35	0.13	0.00	0.01	0.15	0.07	0.18	0.12	0.75	0.45	0.14	0.51	0.43	0.41	0.48	0.04	0.65	0.43	0.15	0.50	0.41
10	7	21	0.10	0.67	0.38	0.13	0.00	0.00	0.09	0.06	0.16	0.09	0.74	0.45	0.11	0.51	0.44	0.42	0.62	0.02	0.70	0.41	0.18	0.67	0.59
10	7	22	0.07	0.64	0.37	0.09	0.00	0.00	0.05	0.04	0.13	0.06	0.74	0.42	0.08	0.48	0.42	0.40	0.69	0.01	0.77	0.38	0.22	0.64	0.55
10	7	23	0.05	0.46	0.35	0.07	0.00	0.01	0.04	0.04	0.11	0.04	0.74	0.46	0.06	0.52	0.35	0.33	0.75	0.01	0.86	0.38	0.28	0.46	0.36
10	7	24	0.03	0.35	0.34	0.06	0.00	0.01	0.01	0.07	0.09	0.03	0.73	0.47	0.04	0.52	0.24	0.22	0.80	0.00	0.89	0.39	0.29	0.35	0.24
10	8	1	0.04	0.24	0.35	0.06	0.00	0.01	0.00	0.11	0.10	0.03	0.72	0.47	0.05	0.53	0.20	0.18	0.80	0.00	0.89	0.43	0.28	0.24	0.13
10	8	2	0.05	0.14	0.34	0.06	0.00	0.00	0.00	0.15	0.11	0.04	0.72	0.45	0.06	0.51	0.21	0.18	0.80	0.00	0.90	0.45	0.31	0.14	0.05
10	8	3	0.06	0.07	0.30	0.05	0.00	0.00	0.00	0.14	0.12	0.05	0.68	0.44	0.07	0.50	0.20	0.18	0.75	0.00	0.92	0.44	0.37	0.07	0.00
10	8	4	0.06	0.07	0.25	0.05	0.00	0.00	0.00	0.14	0.12	0.05	0.63	0.46	0.07	0.52	0.17	0.15	0.69	0.00	0.94	0.44	0.41	0.07	0.00
10	8	5	0.05	0.16	0.27	0.06	0.00	0.02	0.00	0.17	0.11	0.04	0.60	0.48	0.06	0.54	0.14	0.12	0.66	0.00	0.95	0.43	0.41	0.16	0.07
10	8	6	0.02	0.41	0.25	0.06	0.00	0.01	0.00	0.19	0.08	0.01	0.59	0.49	0.03	0.55	0.14	0.12	0.62	0.00	0.95	0.42	0.40	0.41	0.28
10	8	7	0.00	0.25	0.19	0.07	0.00	0.00	0.00	0.17	0.04	0.00	0.56	0.49	0.00	0.54	0.15	0.12	0.57	0.00	0.95	0.40	0.34	0.25	0.14
10	8	8	0.00	0.17	0.14	0.07	0.00	0.00	0.00	0.12	0.04	0.00	0.45	0.50	0.00	0.55	0.14	0.12	0.48	0.01	0.96	0.35	0.27	0.17	0.07
10	8	9	0.00	0.17	0.09	0.06	0.00	0.00	0.00	0.08	0.03	0.00	0.31	0.51	0.00	0.57	0.12	0.10	0.44	0.01	0.97	0.31	0.23	0.17	0.07
10	8	10	0.00	0.15	0.06	0.06	0.00	0.00	0.00	0.10	0.04	0.00	0.27	0.50	0.00	0.55	0.12	0.10	0.40	0.01	0.95	0.28	0.26	0.15	0.05
10	8	11	0.01	0.15	0.03	0.07	0.00	0.00	0.00	0.13	0.07	0.00	0.22	0.45	0.02	0.51	0.15	0.13	0.39	0.01	0.91	0.23	0.25	0.15	0.05
10	8	12	0.00	0.13	0.01	0.07	0.00	0.00	0.00	0.13	0.06	0.00	0.19	0.36	0.01	0.43	0.19	0.17	0.37	0.01	0.84	0.14	0.25	0.13	0.04
10	8	13	0.01	0.11	0.01	0.10	0.00	0.00	0.00	0.14	0.06	0.00	0.16	0.27	0.02	0.34	0.21	0.19	0.33	0.02	0.76	0.09	0.26	0.11	0.02
10	8	14	0.03	0.10	0.02	0.11	0.00	0.00	0.00	0.15	0.08	0.02	0.09	0.19	0.04	0.27	0.22	0.19	0.30	0.02	0.69	0.08	0.25	0.10	0.02
10	8	15	0.02	0.11	0.03	0.11	0.00	0.02	0.00	0.14	0.07	0.01	0.04	0.13	0.03	0.20	0.22	0.20	0.27	0.02	0.58	0.12	0.20	0.11	0.02
10	8	16	0.01	0.12	0.05	0.09	0.00	0.02	0.00	0.12	0.06	0.00	0.00	0.08	0.02	0.15	0.20	0.18	0.23	0.03	0.45	0.15	0.14	0.12	0.03
10	8	17	0.03	0.15	0.11	0.08	0.00	0.02	0.00	0.09	0.08	0.02	0.00	0.05	0.04	0.12	0.18	0.16	0.22	0.05	0.35	0.16	0.11	0.15	0.05
10	8	18	0.07	0.18	0.17	0.12	0.00	0.02	0.00	0.11	0.13	0.06	0.00	0.04	0.08	0.11	0.21	0.19	0.21	0.07	0.35	0.20	0.14	0.18	0.07
10	8	19	0.03	0.17	0.23	0.17	0.00	0.02	0.00	0.19	0.09	0.02	0.00	0.01	0.04	0.07	0.23	0.20	0.19	0.11	0.31	0.21	0.19	0.17	0.07
10	8	20	0.00	0.17	0.23	0.23	0.00	0.01	0.00	0.15	0.04	0.00	0.00	0.00	0.00	0.03	0.25	0.23	0.23	0.15	0.25	0.19	0.20	0.17	0.07
10	8	21	0.00	0.17	0.19	0.27	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.02	0.29	0.27	0.22	0.17	0.21	0.20	0.18	0.17	0.07
10	8	22	0.00	0.12	0.18	0.31	0.01	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.34	0.32	0.21	0.20	0.19	0.21	0.14	0.12	0.03
10	8	23	0.00	0.10	0.18	0.36	0.06	0.20	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.36	0.34	0.24	0.22	0.17	0.20	0.16	0.10	0.01
10	8	24	0.00	0.09	0.17	0.40	0.06	0.33	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.01	0.38	0.36	0.32	0.24	0.16	0.19	0.18	0.09	0.01
10	9	1	0.00	0.08	0.20	0.44	0.02	0.26	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.02	0.43	0.41	0.34	0.23	0.15	0.17	0.24	0.08	0.00
10	9	2	0.00	0.08	0.24	0.46	0.00	0.06	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.04	0.45	0.43	0.30	0.20	0.15	0.16	0.30	0.08	0.00
10	9	3	0.00	0.07	0.25	0.49	0.00	0.03	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.06	0.45	0.43	0.25	0.17	0.14	0.18	0.31	0.07	0.00
10	9	4	0.00	0.08	0.25	0.49	0.00	0.03	0.00	0.02	0.03	0.00	0.00	0.01	0.00	0.08	0.46	0.44	0.25	0.14	0.12	0.20	0.32	0.08	0.00
10	9	5	0.00	0.06	0.30	0.49	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.01	0.00	0.07	0.48	0.46	0.29	0.13	0.08	0.20	0.35	0.06	0.00
10	9	6	0.00	0.06	0.33	0.49	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.07	0.49	0.47	0.33	0.14	0.06	0.20	0.36	0.06	0.00

			Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
10	3	16	0.50	0.66	0.70	0.64	0.76	0.69	0.64	0.72	0.79	0.78	0.80	0.77	0.68	0.69	0.67	0.67	0.70	0.75	0.59	0.65	1.00	1.00	1.00
10	3	17	0.22	0.36	0.27	0.35	0.53	0.44	0.35	0.44	0.47	0.49	0.50	0.36	0.41	0.36	0.33	0.41	0.18	0.38	0.15	0.16	1.00	1.00	1.00
10	3	18	0.00	0.04	0.03	0.04	0.17	0.04	0.02	0.07	0.08	0.10	0.10	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.00	0.00	1.00	1.00	1.00
10	3	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	3	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	6	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.06	0.01	0.08	0.22	1.00	1.00	1.00
10	4	7	0.02	0.20	0.45	0.20	0.08	0.10	0.13	0.26	0.17	0.36	0.44	0.47	0.43	0.42	0.41	0.43	0.46	0.42	0.42	0.69	1.00	1.00	1.00
10	4	8	0.27	0.51	0.73	0.50	0.36	0.52	0.49	0.62	0.59	0.72	0.74	0.74	0.72	0.71	0.70	0.72	0.71	0.69	0.65	0.90	1.00	1.00	1.00
10	4	9	0.53	0.73	0.87	0.72	0.71	0.67	0.74	0.81	0.84	0.91	0.91	0.89	0.87	0.87	0.87	0.87	0.82	0.85	0.77	0.96	1.00	1.00	1.00
10	4	10	0.71	0.86	0.93	0.84	0.84	0.77	0.84	0.91	0.95	1.00	0.99	0.97	0.95	0.94	0.96	0.95	0.90	0.92	0.81	0.93	1.00	1.00	1.00
10	4	11	0.80	0.92	0.96	0.90	0.80	0.88	0.87	0.96	1.00	1.00	1.00	1.00	1.00	0.93	0.99	0.99	0.92	0.94	0.73	0.99	1.00	1.00	1.00
10	4	12	0.84	0.93	0.92	0.91	0.72	0.91	0.93	0.96	1.00	1.00	1.00	1.00	1.00	0.93	0.95	0.99	0.92	0.94	0.70	0.98	1.00	1.00	1.00
10	4	13	0.79	0.87	0.90	0.85	0.46	0.85	0.89	0.93	0.96	1.00	0.98	0.98	0.95	0.89	0.93	0.94	0.91	0.86	0.68	0.95	1.00	1.00	1.00
10	4	14	0.76	0.86	0.83	0.84	0.47	0.87	0.90	0.91	0.98	1.00	0.99	0.95	0.96	0.89	0.88	0.95	0.89	0.77	0.72	0.93	1.00	1.00	1.00
10	4	15	0.67	0.79	0.69	0.77	0.35	0.80	0.83	0.88	0.94	0.98	0.94	0.91	0.88	0.82	0.89	0.88	0.84	0.73	0.67	0.78	1.00	1.00	1.00
10	4	16	0.47	0.62	0.58	0.61	0.35	0.58	0.66	0.76	0.79	0.79	0.79	0.75	0.67	0.68	0.74	0.67	0.71	0.59	0.61	0.55	1.00	1.00	1.00
10	4	17	0.19	0.32	0.19	0.31	0.21	0.38	0.37	0.45	0.39	0.46	0.47	0.39	0.37	0.32	0.35	0.37	0.17	0.31	0.16	0.13	1.00	1.00	1.00
10	4	18	0.00	0.03	0.01	0.02	0.04	0.02	0.02	0.07	0.04	0.09	0.05	0.02	0.02	0.01	0.02	0.02	0.03	0.03	0.00	0.00	1.00	1.00	1.00
10	4	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	4	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	6	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.09	0.22	1.00	1.00	1.00
10	5	7	0.02	0.14	0.37	0.14	0.13	0.05	0.09	0.09	0.17	0.12	0.26	0.26	0.39	0.41	0.26	0.38	0.33	0.31	0.51	0.67	1.00	1.00	1.00
10	5	8	0.22	0.40	0.58	0.40	0.41	0.51	0.46	0.29	0.54	0.47	0.45	0.46	0.72	0.72	0.42	0.71	0.44	0.48	0.73	0.90	1.00	1.00	1.00
10	5	9	0.45	0.61	0.66	0.60	0.49	0.73	0.66	0.48	0.77	0.75	0.61	0.67	0.89	0.89	0.66	0.89	0.50	0.52	0.88	1.00	1.00	1.00	1.00
10	5	10	0.61	0.73	0.72	0.72	0.47	0.80	0.65	0.50	0.80	0.86	0.78	0.98	1.00	1.00	0.83	1.00	0.43	0.54	0.93	1.00	1.00	1.00	1.00
10	5	11	0.69	0.78	0.64	0.77	0.41	0.80	0.70	0.56	0.79	1.00	0.73	1.00	1.00	1.00	0.87	1.00	0.40	0.56	0.94	1.00	1.00	1.00	1.00
10	5	12	0.70	0.78	0.72	0.76	0.35	0.83	0.75	0.57	0.92	0.69	0.65	1.00	1.00	1.00	0.98	1.00	0.34	0.60	0.91	0.97	1.00	1.00	1.00
10	5	13	0.62	0.68	0.60	0.67	0.33	0.68	0.66	0.46	0.87	0.52	0.62	0.82	0.94	0.95	0.92	0.93	0.29	0.52	0.88	0.85	1.00	1.00	1.00
10	5	14	0.64	0.72	0.56	0.71	0.27	0.74	0.70	0.52	0.96	0.83	0.80	0.66	0.93	0.94	0.95	0.92	0.30	0.46	0.93	0.87	1.00	1.00	1.00
10	5	15	0.54	0.64	0.50	0.63	0.35	0.82	0.54	0.37	0.89	0.76	0.74	0.42	0.86	0.88	0.87	0.85	0.24	0.47	0.87	0.75	1.00	1.00	1.00
10	5	16	0.40	0.53	0.39	0.52	0.36	0.51	0.48	0.42	0.79	0.58	0.63	0.60	0.68	0.68	0.74	0.67	0.26	0.42	0.67	0.45	1.00	1.00	1.00
10	5	17	0.16	0.27	0.15	0.27	0.33	0.34	0.32	0.25	0.34	0.38	0.41	0.31	0.26	0.29	0.36	0.25	0.11	0.21	0.21	0.08	1.00	1.00	1.00
10	5	18	0.00	0.02	0.01	0.02	0.06	0.01	0.01	0.01	0.03	0.04	0.04	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.00	0.00	1.00	1.00	1.00
10	5	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	5	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	6	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.18	1.00	1.00	1.00
10	6	7	0.02	0.21	0.34	0.21	0.16	0.09	0.12	0.26	0.23	0.35	0.45	0.50	0.45	0.43	0.41	0.44	0.15	0.36	0.37	0.65	1.00	1.00	1.00
10	6	8	0.28	0.53	0.57	0.52	0.48	0.51	0.52	0.62	0.60	0.72	0.79	0.80	0.75	0.70	0.72	0.75	0.27	0.58	0.57	0.86	1.00	1.00	1.00
10	6	9	0.55	0.76	0.75	0.75	0.77	0.75	0.76	0.82	0.83	0.96	0.97	0.95	0.91	0.87	0.91	0.91	0.39	0.76	0.79	1.00	1.00	1.00	1.00
10	6	10	0.75	0.91	0.86	0.89	0.91	0.85	0.87	0.94	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.41	0.90	0.93	1.00	1.00	1.00	1.00
10	6	11	0.86	0.98	0.93	0.96	0.96	0.91	0.92	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.49	0.95	1.00	1.00	1.00	1.00	1.00
10	6	12	0.91	1.00	0.96	0.98	0.96	0.92	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.64	0.90	1.00	1.00	1.00	1.00	1.00
10	6	13	0.92	1.00	0.97	0.98	0.97	0.92	0.93	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.68	0.90	1.00	1.00	1.00	1.00	1.00
10	6	14	0.85	0.96	0.96	0.94	1.00	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.98	0.99	1.00	0.70	0.93	0.99	0.99	1.00	1.00	1.00
10	6	15	0.74	0.87	0.88	0.86	0.97	0.84	0.84	0.86	0.96	1.00	1.00	0.97	0.94	0.87	0.91	0.93	0.60	0.91	0.90	0.89	1.00	1.00	1.00
10	6	16	0.52	0.69	0.66	0.68	0.85	0.71	0.71	0.77	0.80	0.84	0.82	0.80	0.71	0.68	0.70	0.71	0.29	0.79	0.67	0.62	1.00	1.00	1.00
10	6	17	0.20	0.34	0.26	0.33	0.51	0.40	0.40	0.44	0.44	0.47	0.46	0.27	0.33	0.31	0.38	0.33	0.10	0.37	0.21	0.11	1.00	1.00	1.00
10	6	18	0.00	0.02	0.02	0.02	0.13	0.01	0.01	0.04	0.04	0.05	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.03	0.00	0.00	1.00	1.00	1.00
10	6	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	6	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	6	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.09	0.23	1.00	1.00	1.00
10	7	7	0.02	0.21	0.49	0.21	0.22	0.07	0.13	0.26	0.22	0.35	0.44	0.49	0.44	0.41	0.40	0.44	0.50	0.47	0.53	0.72	1.00	1.00	1.00
10	7	8	0.29	0.55	0.78	0.54	0.65	0.53	0.55	0.62	0.62	0.73	0.78	0.78	0.76	0.71	0.72	0.75	0.77	0.73	0.80	0.93	1.00	1.00	1.00
10	7	9	0.55	0.77	0.95	0.75	0.86	0.75	0.75	0.82	0.83	0.94	0.96	0.93	0.93	0.85	0.89	0.92	0.91	0.89	0.93	1.00	1.00	1.00	1.00
10	7	10	0.74	0.90	1.00	0.88	0.96	0.84	0.85	0.92	0.95	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97	0.96	1.00	1.00	1.00	1.00	1.00
10	7	11	0.85	0.96	1.00	0.94	0.99	0.89	0.91	0.96	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.97	0.97	1.00	1.00	1.00	1.00	1.00
10	7	12	0.89	0.98	1.00	0.96	1.00	0.89	0.92	0.96	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.97	0.97	1.00	1.00	1.00	1.00	1.00
10	7	13	0.90	0.99	1.00	0.97	1.00	0.90	0.92	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.98	1.00	1.00	1.00	1.00	1.00
10	7	14	0.84	0.94	1.00	0.92	0.98	0.87	0.88	0.92	0.98	1.00	1.00	1.00	1.00	0.98	0.97	0.99	0.96	0.95	0.98	1.00	1.00	1.00	1.00
10	7	15	0.71	0.85	0.94	0.83	0.93	0.82	0.82	0.86	0.91	1.00	0.97	0.96	0.92	0.84	0.85	0.91	0.89	0.90	0.89	0.91	1.00	1.00	1.00
10	7	16	0.51	0.67	0.74	0.65	0.81	0.67	0.68	0.73	0.75	0.82	0.80	0.80	0.72	0.65	0.70	0.71	0.74	0.78	0.70	0.61	1.00	1.00	1.00
10	7	17	0.18	0.30	0.30	0.29	0.49	0.38	0.34	0.39	0.42	0.45	0.41	0.16	0.18	0.35	0.30	0.18	0.48	0.27	0.29	0.09	1.00	1.00	1.00
10	7	18	0.00	0.02	0.01	0.02	0.13	0.01	0.01	0.02	0.04	0.05	0.03	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.00	0.00	1.00	1.00	1.00
10	7	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	7	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	6	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.08	0.21	1.00	1.00	1.00
10	8	7	0.02	0.20	0.48	0.19	0.21	0.06	0.11	0.23	0.20	0.33	0.42	0.46	0.41	0.40	0.38	0.40	0.48	0.45	0.52	0.72	1.00	1.00	1.00
10	8	8	0.29	0.53	0.77	0.52	0.63	0.52	0.48	0.60	0.60	0.71	0.74	0.75	0.73	0.72	0.69	0.72	0.75	0.73	0.78	0.95	1.00	1.00	1.00
10	8	9	0.54	0.74	0.93	0.73	0.83	0.74	0.71	0.79	0.82	0.92	0.89	0.91	0.89	0.87	0.85	0.88	0.87	0.87	0.92	1.00	1.00	1.00	1.00
10	8	10	0.72	0.87	1.00	0.85	0.94	0.85	0.82	0.89	0.93	1.00	1.00	0.99	0.98	0.92	0.91	0.97	0.94	0.93	0.97	1.00	1.00	1.00	1.00
10	8	11	0.82	0.93	1.00	0.91	0.98	0.89	0.89	0.94	0.98	1.00	1.00	1.00	1.00	0.89	0.99	1.00	0.95	0.97	1.00	1.00	1.00	1.00	1.00
10	8	12	0.87	0.96	1.00	0.94	1.00	0.91	0.89	0.94	1.00	1.00	1.00	1.00	1.00	0.96	0.98	1.00	0.96	0.97	1.00	1.00	1.00	1.00	1.00
10	8	13	0.87	0.96	1.00	0.94	0.99	0.90	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.95	0.96	0.99	1.00	1.00	1.00	1.00
10	8	14	0.81	0.91	1.00	0.89	0.96	0.85	0.85	0.90	0.95	1.00	1.00	0.99	0.98	0.96	0.95	0.97	0.92	0.93	0.94	1.00	1.00	1.00	1.00
10	8	15	0.70	0.83	0.90	0.82	0.91	0.79	0.80	0.85	0.90	0.97	0.94	0.92	0.90	0.89	0.88	0.89	0.86	0.87	0.82	0.90	1.00	1.00	1.00
10	8	16	0.50	0.66	0.71	0.64	0.78	0.66	0.65	0.71	0.74	0.81	0.78	0.76	0.69	0.72	0.69	0.69	0.73	0.74	0.66	0.61	1.00	1.00	1.00
10	8	17	0.17	0.27	0.31	0.27	0.47	0.37	0.38	0.39	0.40	0.44	0.37	0.09	0.22	0.23	0.26	0.22	0.47	0.28	0.27	0.10	1.00	1.00	1.00
10	8	18	0.00	0.02	0.02	0.02	0.11	0.01	0.01	0.03	0.03	0.04	0.02	0.00	0.01	0.01	0.01	0.01	0.04	0.03	0.00	0.00	1.00	1.00	1.00
10	8	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	6	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.16	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
10	9	7	0.00	0.06	0.33	0.50	0.04	0.00	0.04	0.00	0.01	0.00	0.00	0.02	0.00	0.09	0.51	0.49	0.37	0.17	0.04	0.22	0.35	0.06	0.00	0.02	0.19	0.43	0.18	0.13	0.03	0.07	0.23	0.17	0.31	0.42	0.46	0.41	0.39	0.39	0.41	0.45	0.45	0.49	0.53	1.00	1.00	1.00
10	9	8	0.00	0.05	0.21	0.49	0.07	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.09	0.52	0.50	0.36	0.16	0.02	0.21	0.30	0.05	0.00	0.27	0.50	0.72	0.49	0.39	0.46	0.51	0.60	0.53	0.70	0.74	0.74	0.72	0.68	0.71	0.71	0.71	0.72	0.75	0.74	1.00	1.00	1.00
10	9	9	0.00	0.05	0.10	0.39	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.49	0.47	0.32	0.18	0.00	0.18	0.20	0.05	0.00	0.52	0.71	0.88	0.70	0.53	0.67	0.72	0.78	0.80	0.90	0.91	0.89	0.87	0.86	0.89	0.87	0.82	0.85	0.87	0.88	1.00	1.00	1.00
10	9	10	0.00	0.06	0.05	0.43	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.46	0.25	0.20	0.00	0.21	0.17	0.06	0.00	0.69	0.84	0.96	0.82	0.71	0.73	0.82	0.88	0.89	1.00	0.99	0.98	0.97	0.95	0.96	0.96	0.87	0.92	0.91	0.98	1.00	1.00	1.00
10	9	11	0.00	0.07	0.03	0.63	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.53	0.51	0.33	0.22	0.00	0.26	0.19	0.07	0.00	0.80	0.91	1.00	0.90	0.77	0.84	0.87	0.93	0.97	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.89	0.95	0.91	1.00	1.00	1.00	1.00
10	9	12	0.01	0.08	0.05	0.77	0.03	0.02	0.03	0.00	0.06	0.01	0.00	0.00	0.02	0.03	0.53	0.52	0.42	0.22	0.00	0.33	0.26	0.08	0.00	0.84	0.93	1.00	0.91	0.68	0.84	0.87	0.94	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.91	0.96	0.93	1.00	1.00	1.00	1.00
10	9	13	0.11	0.10	0.07	0.85	0.14	0.02	0.04	0.05	0.16	0.10	0.00	0.00	0.11	0.04	0.51	0.49	0.52	0.24	0.01	0.43	0.34	0.10	0.01	0.85	0.93	1.00	0.91	0.70	0.85	0.89	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.95	0.92	1.00	1.00	1.00	1.00
10	9	14	0.21	0.11	0.10	0.87	0.38	0.03	0.06	0.11	0.26	0.20	0.00	0.00	0.22	0.03	0.50	0.48	0.58	0.32	0.02	0.48	0.37	0.11	0.02	0.75	0.84	0.97	0.82	0.39	0.63	0.83	0.90	0.98	1.00	1.00	0.98	0.96	0.92	0.97	0.95	0.89	0.92	0.88	1.00	1.00	1.00	1.00
10	9	15	0.34	0.13	0.14	0.85	0.54	0.10	0.06	0.20	0.39	0.33	0.03	0.00	0.35	0.02	0.52	0.51	0.55	0.53	0.03	0.48	0.44	0.13	0.03	0.63	0.74	0.88	0.73	0.23	0.65	0.72	0.81	0.88	0.97	0.93	0.89	0.88	0.87	0.87	0.87	0.83	0.87	0.83	0.89	1.00	1.00	1.00
10	9	16	0.42	0.13	0.14	0.81	0.46	0.37	0.07	0.23	0.46	0.41	0.12	0.00	0.43	0.03	0.52	0.50	0.49	0.70	0.06	0.47	0.47	0.13	0.04	0.42	0.56	0.69	0.55	0.21	0.41	0.43	0.67	0.75	0.80	0.77	0.69	0.69	0.71	0.69	0.69	0.68	0.73	0.63	0.63	1.00	1.00	1.00
10	9	17	0.46	0.15	0.16	0.75	0.41	0.51	0.08	0.25	0.51	0.46	0.30	0.01	0.47	0.05	0.42	0.40	0.37	0.63	0.14	0.43	0.38	0.15	0.05	0.13	0.22	0.30	0.22	0.12	0.12	0.34	0.35	0.40	0.44	0.35	0.13	0.23	0.24	0.24	0.23	0.42	0.30	0.29	0.10	1.00	1.00	1.00
10	9	18	0.46	0.21	0.24	0.71	0.43	0.50	0.08	0.26	0.51	0.45	0.39	0.12	0.47	0.19	0.39	0.37	0.33	0.69	0.24	0.38	0.34	0.21	0.10	0.00	0.01	0.01	0.01	0.02	0.00	0.00	0.03	0.03	0.03	0.02	0.00	0.01	0.01	0.01	0.01	0.04	0.01	0.00	0.00	1.00	1.00	1.00
10	9	19	0.34	0.26	0.45	0.66	0.43	0.55	0.07	0.24	0.39	0.34	0.40	0.28	0.35	0.35	0.44	0.42	0.43	0.75	0.28	0.36	0.27	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	20	0.31	0.30	0.76	0.66	0.37	0.44	0.06	0.20	0.36	0.30	0.36	0.28	0.32	0.35	0.62	0.61	0.60	0.69	0.29	0.42	0.31	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	21	0.37	0.33	0.80	0.68	0.28	0.56	0.06	0.18	0.42	0.36	0.29	0.31	0.38	0.38	0.73	0.72	0.75	0.59	0.28	0.41	0.38	0.33	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	22	0.26	0.31	0.81	0.65	0.23	0.62	0.06	0.22	0.31	0.25	0.28	0.31	0.27	0.38	0.64	0.62	0.86	0.56	0.25	0.39	0.41	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	23	0.28	0.24	0.78	0.64	0.15	0.30	0.07	0.29	0.33	0.27	0.31	0.37	0.28	0.43	0.60	0.58	0.91	0.60	0.23	0.41	0.44	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	9	24	0.43	0.22	0.65	0.63	0.09	0.06	0.09	0.30	0.48	0.42	0.38	0.42	0.44	0.49	0.61	0.60	0.94	0.55	0.22	0.40	0.47	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	1	0.41	0.19	0.69	0.57	0.14	0.08	0.08	0.36	0.46	0.41	0.40	0.42	0.42	0.48	0.56	0.55	0.91	0.53	0.21	0.42	0.49	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	2	0.41	0.20	0.74	0.49	0.16	0.06	0.05	0.43	0.45	0.40	0.41	0.40	0.42	0.46	0.58	0.57	0.86	0.56	0.19	0.43	0.47	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	3	0.48	0.25	0.57	0.45	0.04	0.06	0.03	0.42	0.52	0.47	0.44	0.39	0.48	0.45	0.60	0.58	0.81	0.61	0.17	0.43	0.42	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	4	0.47	0.35	0.54	0.46	0.00	0.05	0.02	0.40	0.51	0.46	0.47	0.41	0.48	0.47	0.59	0.57	0.79	0.63	0.16	0.46	0.37	0.35	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	5	0.44	0.33	0.43	0.45	0.00	0.08	0.01	0.40	0.49	0.44	0.50	0.46	0.45	0.52	0.53	0.51	0.74	0.68	0.14	0.50	0.37	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	6	0.45	0.27	0.44	0.47	0.00	0.18	0.00	0.44	0.49	0.45	0.50	0.49	0.46	0.55	0.51	0.50	0.73	0.75	0.12	0.45	0.35	0.27	0.16	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.03	0.01	0.09	0.11	1.00	1.00	1.00
10	10	7	0.56	0.18	0.34	0.49	0.00	0.10	0.00	0.46	0.59	0.55	0.42	0.48	0.56	0.54	0.48	0.46	0.82	0.66	0.08	0.47	0.35	0.18	0.08	0.02	0.16	0.38	0.15	0.04	0.02	0.05	0.05	0.02	0.33	0.42	0.46	0.41	0.39	0.37	0.40	0.46	0.44	0.50	0.56	1.00	1.00	1.00
10	10	8	0.73	0.11	0.20	0.47	0.00	0.06	0.00	0.45	0.75	0.72	0.31	0.47	0.73	0.52	0.57	0.55	0.89	0.71	0.04	0.50	0.34	0.11	0.02	0.25	0.44	0.65	0.44	0.23	0.45	0.36	0.29	0.37	0.72	0.74	0.74	0.72	0.70	0.69	0.71	0.72	0.71	0.75	0.78	1.00	1.00	1.00
10	10	9	0.75	0.11	0.13	0.40	0.00	0.05	0.00	0.45	0.77	0.74	0.25	0.38	0.75	0.44	0.72	0.70	0.91	0.71	0.03	0.47	0.45	0.11	0.02	0.47	0.64	0.76	0.63	0.30	0.65	0.58	0.57	0.56	0.91	0.89	0.89	0.88	0.87	0.84	0.87	0.83	0.84	0.89	0.98	1.00	1.00	1.00
10	10	10	0.76	0.11	0.16	0.39	0.00	0.03	0.00	0.51	0.78	0.76	0.22	0.26	0.76	0.33	0.75	0.74	0.93	0.81	0.04	0.46	0.53	0.11	0.02	0.64	0.77	0.90	0.76	0.31	0.73	0.76	0.76	0.68	1.00	1.00	0.99	0.98	0.94	0.96	0.97	0.90	0.92	0.96	0.94	1.00	1.00	1.00
10	10	11	0.80	0.11	0.25	0.37	0.00	0.08	0.00	0.59	0.82	0.80	0.24	0.17	0.80	0.24	0.74	0.73	0.90	0.89	0.05	0.40	0.58	0.11	0.02	0.75	0.86	0.89	0.84	0.34	0.82	0.89	0.88	0.82	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.92	0.95	0.98	0.81	1.00	1.00	1.00
10	10	12	0.86	0.12	0.36	0.33	0.00	0.11	0.00	0.66	0.87	0.85	0.32	0.09	0.86	0.16	0.76	0.75	0.86	0.95	0.09	0.40	0.63	0.12	0.03	0.80	0.89	0.98	0.87	0.38	0.83	0.93	0.88	0.88	1.00	1.00	1.00	1.00	0.95	0.98	1.00	0.93	0.96	0.98	0.80	1.00	1.00	1.00
10	10	13	0.87	0.13	0.43	0.29	0.00	0.18	0.00	0.67	0.89	0.87	0.44	0.08	0.88	0.15	0.72	0.71	0.88	0.96	0.13	0.42	0.67	0.13	0.04	0.81	0.89	0.97	0.88	0.41	0.85	0.92	0.89	0.90	1.00	1.00	1.00	1.00	0.97	0.98	1.00	0.92	0.96	0.97	0.74	1.00	1.00	1.00
10	10	14	0.88	0.13	0.57	0.27	0.00	0.17	0.05	0.70	0.89	0.88	0.50	0.09	0.88	0.17	0.70	0.69	0.78	0.96	0.20	0.44	0.67	0.13	0.04	0.74	0.83	0.87	0.81	0.40	0.83	0.80	0.70	0.83	1.00	1.00	0.99	0.97	0.95	0.96	0.96	0.89	0.93	0.93	0.48	1.00	1.00	1.00
10	10	15	0.87	0.22	0.71	0.22	0.00	0.19	0.16	0.73	0.88	0.87	0.54	0.14	0.87	0.22	0.73	0.72	0.73	0.96	0.24	0.43	0.67	0.22	0.11	0.63	0.74	0.72	0.73	0.42	0.82	0.55	0.69	0.74	0.95	0.95	0.92	0.89	0.86	0.89	0.88	0.78	0.86	0.84	0.40	1.00	1.00	1.00
10	10	16	0.86	0.22	0.71	0.16	0.00	0.18	0.25	0.76	0.88	0.86	0.57	0.24	0.87	0.31	0.68	0.67	0.66	0.93	0.26	0.41	0.63	0.22	0.11	0.45	0.59	0.51	0.58	0.34	0.69	0.65	0.57	0.62	0.79	0.79	0.77	0.70	0.63	0.71	0.70	0.67	0.73	0.64	0.26	1.00	1.00	1.00
10	10	17	0.80	0.32	0.68	0.10	0.00	0.25	0.36	0.78	0.82	0.80	0.56	0.32	0.80	0.39	0.60	0.59	0.60	0.78	0.22	0.38	0.51	0.32	0.21	0.13	0.22	0.22	0.21	0.24	0.35	0.34	0.25	0.33	0.42	0.37	0.01	0.21	0.09	0.26	0.20	0.40	0.29	0.29	0.03	1.00	1.00	1.00
10	10	18	0.65	0.43	0.64	0.09	0.02	0.42	0.48	0.79	0.68	0.64	0.56	0.38	0.65	0.44	0.46	0.44	0.49	0.73	0.33	0.38	0.45	0.43	0.32	0.00	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.01	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
10	10	19	0.50	0.38	0.61	0.09	0.10	0.60	0.55	0.74	0.55	0.50	0.50	0.37	0.51	0.44	0.41	0.39	0.33	0.56	0.42	0.33	0.43	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	20	0.34	0.37	0.69	0.08	0.14	0.80	0.60	0.65	0.39	0.33	0.38	0.38	0.35	0.44	0.39	0.36	0.24	0.41	0.45	0.26	0.39	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	21	0.28	0.41	0.63	0.06	0.03	0.58	0.58	0.55	0.33	0.27	0.33	0.40	0.29	0.46	0.36	0.34	0.19	0.25	0.41	0.15	0.28	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	22	0.29	0.39	0.53	0.04	0.00	0.65	0.52	0.56	0.35	0.28	0.26	0.41	0.30	0.47	0.32	0.30	0.13	0.17	0.37	0.06	0.23	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	23	0.25	0.35	0.45	0.03	0.00	0.60	0.48	0.51	0.30	0.24	0.24	0.47	0.26	0.52	0.24	0.22	0.08	0.19	0.32	0.03	0.19	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	10	24	0.21	0.25	0.42	0.05	0.00	0.51	0.44	0.41	0.26	0.20	0.20	0.45	0.22	0.51	0.18	0.16	0.09	0.21	0.30	0.01	0.16	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	1	0.26	0.23	0.44	0.09	0.00	0.39	0.35	0.36	0.31	0.25	0.14	0.44	0.27	0.50	0.15	0.13	0.12	0.21	0.33	0.00	0.18	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	2	0.29	0.27	0.44	0.14	0.00	0.33	0.32	0.31	0.35	0.28	0.16	0.39	0.30	0.45	0.15	0.12	0.09	0.24	0.38	0.00	0.19	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	3	0.26	0.36	0.39	0.17	0.00	0.32	0.28	0.28	0.32	0.25	0.14	0.29	0.27	0.36	0.14	0.12	0.05	0.21	0.34	0.00	0.16	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	4	0.21	0.49	0.31	0.19	0.00	0.27	0.25	0.23	0.27	0.21	0.11	0.25	0.22	0.32	0.14	0.12	0.03	0.14	0.38	0.00	0.08	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	5	0.18	0.52	0.27	0.21	0.00	0.26	0.23	0.17	0.24	0.17	0.14	0.16	0.19	0.24	0.14	0.12	0.01	0.11	0.46	0.00	0.05	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	6	0.12	0.45	0.23	0.20	0.00	0.17	0.22	0.08	0.18	0.11	0.14	0.04	0.13	0.10	0.16	0.14	0.00	0.10	0.50	0.00	0.07	0.45	0.35	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.02	0.01	0.07	0.18	1.00	1.00	1.00
10	11	7	0.05	0.36	0.19	0.17	0.00	0.11	0.22	0.01	0.11	0.04	0.06	0.00	0.06	0.04	0.17	0.15	0.00	0.07	0.42	0.00	0.04	0.35	0.25	0.02	0.17	0.44	0.17	0.06	0.04	0.07	0.21	0.19	0.24	0.41	0.45	0.41	0.35	0.32	0.41	0.44	0.42	0.49	0.69	1.00	1.00	1.00
10	11	8	0.02	0.26	0.17	0.13	0.00	0.10	0.18	0.00	0.07	0.01	0.03	0.00	0.03	0.03	0.16	0.14	0.01	0.03	0.25	0.00	0.01	0.26	0.15	0.26	0.48	0.75	0.47	0.33	0.50	0.52	0.59	0.60	0.46	0.71	0.73	0.72	0.60	0.66	0.71	0.72	0.71	0.74	0.91	1.00	1.00	1.00
10	11	9	0.00	0.21	0.15	0.08	0.00	0.04	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.13	0.11	0.01	0.01	0.19	0.00	0.00	0.21	0.10	0.50	0.68	0.91	0.67	0.52	0.73	0.73	0.79	0.81	0.71	0.78	0.90	0.81	0.80	0.81	0.81	0.86	0.85	0.86	1.00	1.00	1.00	1.00
10	11	10	0.00	0.18	0.14	0.08	0.00	0.05	0.12	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.14	0.12	0.02	0.01	0.18	0.00	0.00	0.18	0.08	0.65	0.79	1.00	0.78	0.47	0.86	0.86	0.90	0.93	0.85	0.83	0.93	0.82	0.94	0.94	0.82	0.92	0.91	0.96	1.00	1.00	1.00	1.00
10	11	11	0.00	0.16	0.14	0.07	0.00	0.07	0.12	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.14	0.11	0.04	0.01	0.17	0.00	0.01	0.16	0.06	0.70	0.80	1.00	0.78	0.37	0.91	0.91	0.95	1.00	0.89	0.85	0.64	0.68	0.98	0.98	0.67	0.95	0.93	0.99	1.00	1.00	1.00	1.00
10	11	12	0.00	0.15	0.13	0.07	0.00	0.07	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.12	0.10	0.04	0.01	0.14	0.00	0.02	0.15	0.05	0.79	0.87	1.00	0.86	0.33	0.93	0.92	0.96	1.00	1.00	1.00	0.86	0.89	0.97	0.98	0.89	0.96	0.92	0.99	0.99	1.00	1.00	1.00
10	11	13	0.00	0.15	0.09	0.07	0.00	0.07	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.10	0.05	0.00	0.13	0.00	0.02	0.15	0.05	0.81	0.89	1.00	0.87	0.34	0.89	0.92	0.97	1.00	1.00	1.00	0.91	0.93	0.98	0.99	0.93	0.95	0.92	0.98	1.00	1.00	1.00	1.00
10	11	14	0.00	0.17	0.05	0.06	0.00	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.10	0.05	0.00	0.13	0.00	0.03	0.17	0.07	0.68	0.77	0.97	0.75	0.16	0.43	0.86	0.93	0.98	1.00	1.00	0.68	0.84	0.91	0.96	0.84	0.91	0.86	0.92	0.96	1.00	1.00	1.00
10	11	15	0.00	0.18	0.04	0.04	0.00	0.05	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.08	0.05	0.00	0.11	0.02	0.04	0.18	0.07	0.57	0.68	0.86	0.67	0.10	0.21	0.67	0.85	0.91	0.97	0.94	0.78	0.82	0.83	0.89	0.81	0.84	0.79	0.84	0.77	1.00	1.00	1.00
10	11	16	0.00	0.17	0.05	0.03	0.00	0.04	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.07	0.07	0.00	0.09	0.03	0.07	0.17	0.07	0.38	0.51	0.67	0.50	0.08	0.25	0.16	0.64	0.74	0.81	0.78	0.66	0.67	0.69	0.70	0.66	0.67	0.71	0.64	0.54	1.00	1.00	1.00
10	11	17	0.00	0.21	0.09	0.02	0.00	0.04	0.22	0.00	0.03	0.00	0.07	0.00	0.00	0.04	0.09	0.07	0.10	0.00	0.09	0.05	0.14	0.21	0.11	0.11	0.18	0.33	0.18	0.10	0.30	0.10	0.30	0.33	0.40	0.41	0.01	0.16	0.07	0.17	0.16	0.36	0.41	0.32	0.07	1.00	1.00	1.00
10	11	18	0.00	0.26	0.17	0.03	0.02	0.06	0.27	0.05	0.05	0.00	0.15	0.06	0.00	0.13	0.07	0.05	0.14	0.01	0.13	0.08	0.26	0.26	0.15	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.02	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	1.00	1.00	1.00
10	11	19	0.04	0.30	0.18	0.08	0.11	0.04	0.26	0.10	0.09	0.03	0.13	0.21	0.05	0.29	0.06	0.04	0.15	0.01	0.14	0.08	0.35	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	20	0.06	0.28	0.07	0.10	0.24	0.25	0.23	0.13	0.11	0.05	0.14	0.31	0.07	0.38	0.05	0.04	0.15	0.00	0.17	0.08	0.42	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	21	0.11	0.32	0.06	0.11	0.29	0.38	0.23	0.18	0.16	0.10	0.17	0.33	0.12	0.39	0.05	0.03	0.11	0.00	0.19	0.10	0.34	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	22	0.21	0.31	0.01	0.12	0.30	0.57	0.22	0.22	0.27	0.20	0.22	0.36	0.22	0.42	0.04	0.03	0.06	0.01	0.20	0.15	0.25	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	23	0.19	0.23	0.00	0.14	0.28	0.65	0.19	0.22	0.25	0.18	0.27	0.38	0.20	0.45	0.04	0.03	0.02	0.01	0.20	0.23	0.24	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	11	24	0.11	0.25	0.00	0.14	0.28	0.54	0.17	0.22	0.16	0.10	0.30	0.39	0.12	0.45	0.05	0.03	0.00	0.02	0.24	0.31	0.26	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	1	0.10	0.39	0.00	0.16	0.29	0.32	0.13	0.21	0.16	0.09	0.37	0.39	0.11	0.46	0.04	0.03	0.00	0.03	0.25	0.35	0.27	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	2	0.16	0.42	0.00	0.16	0.24	0.23	0.11	0.22	0.22	0.15	0.41	0.42	0.17	0.48	0.04	0.02	0.00	0.05	0.23	0.34	0.32	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	3	0.18	0.52	0.00	0.16	0.14	0.24	0.08	0.24	0.24	0.18	0.50	0.45	0.19	0.51	0.03	0.02	0.00	0.05	0.25	0.29	0.27	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	4	0.22	0.53	0.00	0.17	0.03	0.39	0.06	0.29	0.28	0.21	0.59	0.46	0.23	0.52	0.03	0.02	0.01	0.05	0.23	0.24	0.26	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	5	0.22	0.57	0.00	0.15	0.00	0.32	0.04	0.33	0.28	0.21	0.63	0.52	0.23	0.57	0.03	0.02	0.02	0.06	0.20	0.20	0.22	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	6	0.23	0.59	0.00	0.10	0.00	0.26	0.03	0.38	0.28	0.22	0.64	0.59	0.24	0.63	0.04	0.02	0.02	0.06	0.19	0.19	0.17	0.59	0.51	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.17	1.00	1.00	1.00
10	12	7	0.31	0.49	0.00	0.05	0.00	0.17	0.03	0.44	0.36	0.30	0.64	0.66	0.32	0.70	0.04	0.03	0.02	0.06	0.16	0.22	0.14	0.49	0.39	0.01	0.08	0.23	0.08	0.02	0.00	0.00	0.07	0.08	0.07	0.15	0.06	0.14	0.36	0.31	0.14	0.01	0.09	0.45	0.60	1.00	1.00	1.00
10	12	8	0.34	0.32	0.00	0.05	0.00	0.05	0.02	0.45	0.39	0.33	0.64	0.67	0.35	0.71	0.03	0.02	0.02	0.06	0.08	0.22	0.15	0.32	0.22	0.16	0.28	0.44	0.27	0.09	0.13	0.03	0.22	0.28	0.54	0.49	0.21	0.51	0.63	0.60	0.50	0.17	0.24	0.69	0.85	1.00	1.00	1.00
10	12	9	0.37	0.30	0.00	0.11	0.00	0.02	0.00	0.48	0.42	0.37	0.63	0.60	0.38	0.64	0.02	0.01	0.02	0.06	0.07	0.24	0.25	0.30	0.19	0.35	0.46	0.53	0.45	0.07	0.13	0.25	0.33	0.35	0.86	0.68	0.79	0.60	0.81	0.76	0.59	0.31	0.31	0.81	0.98	1.00	1.00	1.00
10	12	10	0.44	0.34	0.00	0.13	0.00	0.04	0.00	0.56	0.49	0.43	0.67	0.59	0.45	0.64	0.01	0.00	0.03	0.08	0.08	0.42	0.43	0.33	0.23	0.44	0.52	0.66	0.51	0.12	0.11	0.31	0.37	0.19	0.97	0.83	0.61	0.84	0.90	0.89	0.83	0.40	0.34	0.94	1.00	1.00	1.00	1.00
10	12	11	0.45	0.46	0.00	0.13	0.00	0.07	0.00	0.67	0.50	0.45	0.71	0.61	0.46	0.65	0.01	0.00	0.04	0.17	0.07	0.55	0.55	0.46	0.35	0.50	0.57	0.67	0.56	0.14	0.14	0.27	0.41	0.11	0.90	0.96	0.73	0.99	0.93	0.99	0.98	0.39	0.37	0.97	1.00	1.00	1.00	1.00
10	12	12	0.48	0.47	0.00	0.12	0.00	0.06	0.00	0.79	0.52	0.47	0.78	0.64	0.49	0.68	0.01	0.00	0.05	0.28	0.07	0.60	0.69	0.47	0.38	0.53	0.58	0.66	0.57	0.20	0.21	0.32	0.44	0.06	0.85	1.00	0.72	1.00	0.93	0.94	0.99	0.31	0.50	0.98	1.00	1.00	1.00	1.00
10	12	13	0.57	0.51	0.00	0.09	0.00	0.10	0.06	0.85	0.60	0.56	0.84	0.69	0.57	0.73	0.02	0.01	0.05	0.38	0.09	0.63	0.78	0.51	0.42	0.54	0.60	0.67	0.59	0.23	0.22	0.32	0.46	0.06	0.88	1.00	0.73	0.99	0.95	0.96	0.98	0.35	0.54	0.97	0.97	1.00	1.00	1.00
10	12	14	0.71	0.52	0.00	0.06	0.00	0.10	0.12	0.87	0.73	0.70	0.87	0.71	0.71	0.74	0.02	0.01	0.05	0.45	0.12	0.65	0.87	0.52	0.43	0.49	0.55	0.59	0.54	0.16	0.14	0.18	0.22	0.09	0.88	0.97	0.95	0.90	0.93	0.96	0.89	0.41	0.56	0.90	0.92	1.00	1.00	1.00
10	12	15	0.83	0.54	0.00	0.06	0.00	0.06	0.16	0.87	0.85	0.83	0.90	0.77	0.83	0.79	0.02	0.01	0.05	0.51	0.19	0.64	0.92	0.54	0.46	0.41	0.49	0.53	0.48	0.16	0.15	0.16	0.15	0.05	0.87	0.85	0.84	0.88	0.81	0.87	0.88	0.46	0.48	0.78	0.84	1.00	1.00	1.00
10	12	16	0.81	0.59	0.00	0.05	0.00	0.11	0.20	0.84	0.82	0.80	0.92	0.78	0.81	0.80	0.03	0.02	0.05	0.61	0.29	0.63	0.93	0.59	0.51	0.27	0.36	0.40	0.35	0.10	0.19	0.06	0.13	0.05	0.52	0.74	0.64	0.69	0.65	0.67	0.68	0.30	0.40	0.56	0.54	1.00	1.00	1.00
10	12	17	0.77	0.53	0.00	0.08	0.00	0.10	0.23	0.76	0.79	0.77	0.94	0.86	0.78	0.88	0.04	0.03	0.05	0.59	0.37	0.60	0.82	0.53	0.44	0.06	0.11	0.17	0.10	0.10	0.07	0.03	0.17	0.08	0.31	0.25	0.00	0.15	0.09	0.17	0.15	0.17	0.18	0.26	0.08	1.00	1.00	1.00
10	12	18	0.77	0.55	0.00	0.18	0.00	0.11	0.22	0.60	0.79	0.77	0.93	0.86	0.77	0.88	0.07	0.05	0.06	0.62	0.41	0.59	0.76	0.55	0.47	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	12	19	0.65	0.60	0.00	0.20	0.00	0.08	0.15	0.51	0.68	0.65	0.91	0.80	0.66	0.82	0.08	0.07	0.08	0.66	0.38	0.60	0.75	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	20	0.52	0.68	0.00	0.17	0.00	0.15	0.14	0.45	0.56	0.51	0.83	0.72	0.53	0.75	0.10	0.08	0.09	0.61	0.33	0.53	0.72	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	21	0.53	0.81	0.00	0.15	0.00	0.11	0.06	0.42	0.57	0.52	0.79	0.71	0.54	0.74	0.08	0.06	0.12	0.52	0.27	0.41	0.72	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	22	0.51	0.75	0.00	0.13	0.00	0.01	0.03	0.45	0.55	0.50	0.78	0.71	0.52	0.74	0.07	0.05	0.19	0.51	0.21	0.28	0.72	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	23	0.46	0.69	0.00	0.11	0.00	0.04	0.00	0.47	0.50	0.45	0.78	0.71	0.47	0.75	0.07	0.05	0.28	0.46	0.16	0.22	0.67	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	12	24	0.41	0.67	0.00	0.12	0.00	0.04	0.00	0.42	0.46	0.41	0.77	0.71	0.42	0.75	0.06	0.04	0.34	0.36	0.10	0.21	0.60	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	1	0.37	0.60	0.00	0.14	0.00	0.02	0.00	0.27	0.42	0.36	0.73	0.72	0.38	0.75	0.05	0.03	0.41	0.24	0.07	0.20	0.59	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	2	0.38	0.56	0.00	0.15	0.00	0.08	0.01	0.26	0.43	0.37	0.76	0.68	0.39	0.72	0.04	0.02	0.50	0.15	0.06	0.20	0.63	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	3	0.36	0.44	0.00	0.16	0.00	0.10	0.04	0.42	0.41	0.35	0.77	0.65	0.37	0.69	0.03	0.02	0.54	0.08	0.05	0.26	0.60	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	4	0.35	0.31	0.00	0.17	0.00	0.12	0.03	0.54	0.40	0.34	0.71	0.61	0.36	0.65	0.02	0.01	0.60	0.05	0.03	0.27	0.48	0.31	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	5	0.26	0.27	0.00	0.16	0.00	0.12	0.03	0.48	0.32	0.25	0.65	0.58	0.27	0.62	0.02	0.01	0.62	0.04	0.02	0.21	0.43	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	6	0.23	0.27	0.00	0.16	0.00	0.17	0.04	0.41	0.28	0.22	0.57	0.51	0.24	0.56	0.01	0.01	0.62	0.06	0.02	0.16	0.40	0.27	0.16	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	1.00	1.00	1.00
10	13	7	0.25	0.30	0.00	0.15	0.00	0.21	0.06	0.37	0.31	0.24	0.44	0.51	0.26	0.56	0.01	0.00	0.59	0.07	0.02	0.10	0.40	0.30	0.19	0.02	0.15	0.27	0.14	0.11	0.03	0.03	0.12	0.07	0.22	0.40	0.45	0.40	0.35	0.19	0.40	0.15	0.26	0.36	0.60	1.00	1.00	1.00
10	13	8	0.25	0.31	0.00	0.12	0.00	0.17	0.04	0.27	0.31	0.24	0.42	0.53	0.26	0.58	0.01	0.00	0.53	0.06	0.03	0.04	0.41	0.31	0.20	0.24	0.43	0.52	0.42	0.54	0.48	0.36	0.29	0.26	0.50	0.73	0.75	0.72	0.71	0.42	0.72	0.25	0.53	0.70	0.84	1.00	1.00	1.00
10	13	9	0.22	0.42	0.00	0.06	0.00	0.04	0.03	0.11	0.28	0.21	0.35	0.56	0.23	0.60	0.01	0.00	0.47	0.05	0.03	0.02	0.30	0.42	0.32	0.46	0.63	0.66	0.62	0.76	0.72	0.61	0.36	0.44	0.73	0.82	0.92	0.89	0.90	0.63	0.88	0.32	0.65	0.89	0.95	1.00	1.00	1.00
10	13	10	0.17	0.55	0.00	0.03	0.00	0.03	0.03	0.01	0.23	0.16	0.36	0.59	0.18	0.64	0.01	0.00	0.47	0.15	0.03	0.00	0.22	0.56	0.46	0.62	0.75	0.83	0.74	0.87	0.85	0.77	0.39	0.48	0.86	0.94	1.00	1.00	0.98	0.75	0.99	0.44	0.71	0.99	1.00	1.00	1.00	1.00
10	13	11	0.11	0.62	0.00	0.03	0.00	0.03	0.02	0.00	0.17	0.10	0.31	0.50	0.12	0.55	0.01	0.00	0.50	0.23	0.03	0.00	0.17	0.62	0.54	0.73	0.83	0.83	0.81	0.93	0.92	0.90	0.48	0.56	1.00	0.89	1.00	1.00	1.00	0.71	1.00	0.55	0.72	1.00	1.00	1.00	1.00	1.00
10	13	12	0.05	0.68	0.00	0.03	0.00	0.03	0.01	0.00	0.11	0.04	0.26	0.39	0.06	0.45	0.02	0.01	0.51	0.19	0.05	0.00	0.16	0.68	0.61	0.81	0.89	0.88	0.87	0.99	0.94	0.94	0.57	0.67	1.00	0.97	1.00	1.00	1.00	0.84	1.00	0.57	0.73	1.00	1.00	1.00	1.00	1.00
10	13	13	0.04	0.71	0.00	0.02	0.00	0.03	0.02	0.00	0.10	0.03	0.23	0.27	0.05	0.34	0.02	0.01	0.48	0.17	0.10	0.01	0.21	0.71	0.64	0.76	0.84	0.84	0.82	0.91	0.91	0.89	0.46	0.68	1.00	0.90	1.00	1.00	0.98	0.78	1.00	0.58	0.66	0.95	0.98	1.00	1.00	1.00
10	13	14	0.00	0.67	0.00	0.01	0.00	0.02	0.02	0.00	0.05	0.00	0.24	0.16	0.01	0.23	0.03	0.01	0.49	0.18	0.11	0.04	0.26	0.67	0.61	0.74	0.84	0.78	0.82	0.91	0.89	0.89	0.50	0.84	0.95	0.90	0.94	0.99	0.98	0.77	0.98	0.46	0.64	0.95	0.98	1.00	1.00	1.00
10	13	15	0.00	0.67	0.00	0.00	0.00	0.02	0.02	0.00	0.05	0.00	0.28	0.13	0.01	0.20	0.03	0.02	0.47	0.14	0.19	0.07	0.29	0.67	0.60	0.64	0.75	0.71	0.74	0.87	0.82	0.83	0.41	0.89	0.88	0.85	0.73	0.90	0.91	0.69	0.89	0.47	0.47	0.79	0.85	1.00	1.00	1.00
10	13	16	0.06	0.64	0.00	0.00	0.00	0.02	0.02	0.01	0.11	0.05	0.33	0.20	0.07	0.27	0.03	0.02	0.43	0.15	0.20	0.10	0.32	0.64	0.56	0.44	0.58	0.57	0.57	0.77	0.66	0.67	0.38	0.73	0.74	0.70	0.50	0.64	0.71	0.61	0.64	0.45	0.48	0.63	0.50	1.00	1.00	1.00
10	13	17	0.16	0.43	0.00	0.00	0.00	0.03	0.04	0.09	0.22	0.15	0.37	0.34	0.17	0.41	0.04	0.03	0.38	0.20	0.17	0.10	0.31	0.43	0.34	0.11	0.18	0.18	0.17	0.36	0.32	0.28	0.23	0.33	0.34	0.18	0.00	0.09	0.10	0.09	0.09	0.21	0.19	0.28	0.07	1.00	1.00	1.00
10	13	18	0.26	0.43	0.00	0.01	0.00	0.05	0.06	0.19	0.31	0.25	0.43	0.39	0.26	0.46	0.06	0.04	0.32	0.24	0.13	0.08	0.37	0.43	0.34	0.00	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.00	0.00	1.00	1.00	1.00
10	13	19	0.43	0.50	0.00	0.04	0.01	0.05	0.10	0.23	0.49	0.43	0.45	0.40	0.44	0.47	0.05	0.03	0.34	0.31	0.05	0.09	0.41	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	20	0.37	0.60	0.00	0.06	0.04	0.02	0.10	0.23	0.42	0.36	0.40	0.37	0.38	0.44	0.05	0.03	0.35	0.26	0.06	0.10	0.40	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	21	0.36	0.66	0.01	0.05	0.01	0.02	0.10	0.17	0.41	0.35	0.34	0.20	0.37	0.27	0.05	0.03	0.34	0.24	0.05	0.08	0.48	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	22	0.32	0.67	0.00	0.05	0.00	0.02	0.06	0.09	0.38	0.32	0.28	0.10	0.33	0.17	0.04	0.03	0.30	0.19	0.02	0.07	0.44	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	23	0.19	0.69	0.00	0.05	0.00	0.02	0.04	0.04	0.25	0.18	0.21	0.05	0.20	0.12	0.04	0.03	0.25	0.13	0.04	0.05	0.43	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	13	24	0.13	0.65	0.00	0.07	0.00	0.02	0.01	0.00	0.18	0.12	0.14	0.03	0.13	0.10	0.05	0.04	0.18	0.07	0.04	0.04	0.39	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	1	0.08	0.63	0.00	0.08	0.00	0.01	0.00	0.00	0.14	0.07	0.12	0.01	0.09	0.07	0.07	0.05	0.13	0.04	0.04	0.03	0.35	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	2	0.03	0.61	0.00	0.09	0.00	0.00	0.00	0.00	0.08	0.02	0.12	0.01	0.03	0.07	0.09	0.07	0.08	0.03	0.05	0.04	0.35	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	3	0.00	0.54	0.00	0.10	0.00	0.02	0.00	0.00	0.05	0.00	0.09	0.02	0.01	0.09	0.09	0.07	0.04	0.03	0.07	0.05	0.31	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	4	0.00	0.48	0.00	0.10	0.00	0.01	0.00	0.00	0.03	0.00	0.06	0.04	0.00	0.11	0.10	0.08	0.02	0.03	0.08	0.06	0.32	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	5	0.00	0.43	0.00	0.11	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.05	0.00	0.12	0.12	0.10	0.01	0.04	0.09	0.07	0.26	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	6	0.00	0.44	0.00	0.11	0.00	0.00	0.00	0.02	0.04	0.00	0.06	0.04	0.00	0.11	0.15	0.13	0.01	0.04	0.10	0.09	0.17	0.44	0.33	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.17	1.00	1.00	1.00
10	14	7	0.01	0.34	0.00	0.12	0.00	0.00	0.00	0.04	0.06	0.00	0.08	0.03	0.02	0.10	0.18	0.16	0.01	0.04	0.09	0.11	0.11	0.34	0.23	0.02	0.17	0.42	0.17	0.14	0.02	0.04	0.17	0.17	0.30	0.39	0.42	0.40	0.34	0.35	0.39	0.32	0.38	0.49	0.69	1.00	1.00	1.00
10	14	8	0.00	0.28	0.00	0.12	0.00	0.00	0.00	0.02	0.04	0.00	0.06	0.01	0.00	0.07	0.18	0.16	0.01	0.02	0.08	0.11	0.03	0.28	0.18	0.28	0.51	0.71	0.50	0.58	0.47	0.48	0.56	0.58	0.69	0.73	0.73	0.72	0.63	0.66	0.71	0.61	0.65	0.76	0.92	1.00	1.00	1.00
10	14	9	0.00	0.39	0.00	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.05	0.00	0.00	0.05	0.14	0.12	0.00	0.01	0.09	0.10	0.00	0.39	0.28	0.54	0.73	0.90	0.72	0.82	0.71	0.71	0.78	0.81	0.89	0.91	0.88	0.88	0.83	0.84	0.88	0.82	0.82	0.89	0.99	1.00	1.00	1.00
10	14	10	0.00	0.42	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.05	0.12	0.10	0.00	0.02	0.08	0.17	0.00	0.42	0.31	0.72	0.86	0.96	0.85	0.93	0.83	0.82	0.89	0.94	1.00	0.99	0.98	0.97	0.89	0.95	0.96	0.81	0.91	0.96	0.99	1.00	1.00	1.00
10	14	11	0.00	0.41	0.00	0.09	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.05	0.12	0.10	0.00	0.03	0.07	0.21	0.00	0.41	0.30	0.83	0.94	1.00	0.92	0.97	0.88	0.90	0.94	0.99	1.00	1.00	1.00	1.00	0.99	1.00	0.99	0.93	0.94	1.00	1.00	1.00	1.00	1.00
10	14	12	0.00	0.40	0.00	0.12	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.13	0.11	0.00	0.05	0.09	0.18	0.00	0.40	0.30	0.87	0.96	1.00	0.94	0.96	0.89	0.91	0.96	1.00	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.94	0.96	1.00	0.96	1.00	1.00	1.00
10	14	13	0.00	0.41	0.00	0.11	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.05	0.13	0.11	0.00	0.06	0.11	0.13	0.00	0.41	0.31	0.84	0.93	0.96	0.91	0.97	0.87	0.89	0.95	0.96	1.00	1.00	1.00	0.97	0.89	0.97	0.96	0.94	0.90	0.95	0.81	1.00	1.00	1.00
10	14	14	0.00	0.43	0.00	0.11	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.12	0.10	0.00	0.07	0.12	0.08	0.00	0.43	0.33	0.81	0.91	0.94	0.90	0.95	0.86	0.88	0.93	0.94	1.00	1.00	0.99	0.96	0.93	0.96	0.95	0.90	0.92	0.95	0.73	1.00	1.00	1.00
10	14	15	0.00	0.45	0.00	0.11	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.10	0.08	0.00	0.07	0.13	0.06	0.00	0.45	0.36	0.70	0.83	0.87	0.81	0.88	0.78	0.80	0.86	0.89	0.95	0.94	0.92	0.89	0.86	0.88	0.88	0.85	0.87	0.84	0.73	1.00	1.00	1.00
10	14	16	0.00	0.53	0.00	0.10	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.02	0.09	0.07	0.00	0.06	0.13	0.06	0.00	0.53	0.44	0.49	0.64	0.65	0.63	0.77	0.65	0.66	0.71	0.73	0.77	0.78	0.75	0.67	0.66	0.70	0.66	0.70	0.72	0.66	0.41	1.00	1.00	1.00
10	14	17	0.00	0.60	0.00	0.10	0.00	0.01	0.05	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.08	0.06	0.00	0.06	0.10	0.08	0.00	0.60	0.52	0.14	0.24	0.21	0.24	0.41	0.34	0.30	0.32	0.37	0.36	0.15	0.45	0.21	0.15	0.08	0.21	0.34	0.30	0.29	0.04	1.00	1.00	1.00
10	14	18	0.00	0.66	0.00	0.14	0.00	0.05	0.09	0.00	0.04	0.00	0.04	0.00	0.00	0.01	0.11	0.09	0.01	0.05	0.09	0.08	0.00	0.66	0.59	0.00	0.01	0.01	0.01	0.04	0.03	0.02	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	14	19	0.00	0.62	0.00	0.20	0.04	0.04	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.16	0.14	0.01	0.03	0.07	0.06	0.00	0.63	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	20	0.00	0.48	0.00	0.25	0.18	0.05	0.15	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.21	0.19	0.05	0.01	0.06	0.03	0.00	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	21	0.00	0.34	0.00	0.22	0.30	0.17	0.14	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.24	0.22	0.12	0.01	0.05	0.02	0.00	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Iny	Mountain_P	Southern_C	Riverside_E	Greater_Im	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
10	14	22	0.00	0.35	0.00	0.21	0.41	0.30	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.25	0.23	0.20	0.01	0.05	0.01	0.00	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	23	0.00	0.35	0.00	0.21	0.47	0.55	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.26	0.24	0.19	0.00	0.06	0.03	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	14	24	0.00	0.34	0.00	0.23	0.52	0.71	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.25	0.23	0.14	0.00	0.09	0.07	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	1	0.00	0.31	0.00	0.26	0.55	0.66	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.24	0.09	0.00	0.14	0.13	0.00	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	2	0.00	0.23	0.00	0.30	0.55	0.54	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27	0.24	0.07	0.00	0.18	0.17	0.00	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	3	0.00	0.15	0.00	0.34	0.53	0.55	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.24	0.09	0.00	0.20	0.19	0.00	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	4	0.00	0.20	0.00	0.34	0.50	0.43	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.25	0.18	0.01	0.22	0.19	0.00	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	5	0.00	0.18	0.00	0.36	0.46	0.43	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.23	0.27	0.01	0.25	0.18	0.00	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	6	0.00	0.14	0.00	0.34	0.41	0.37	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.21	0.31	0.01	0.26	0.15	0.01	0.14	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.16	1.00	1.00	1.00
10	15	7	0.00	0.11	0.00	0.35	0.32	0.34	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0.18	0.32	0.01	0.23	0.13	0.03	0.11	0.02	0.02	0.15	0.39	0.14	0.05	0.01	0.01	0.13	0.03	0.29	0.38	0.43	0.38	0.35	0.31	0.37	0.44	0.36	0.48	0.70	1.00	1.00	1.00
10	15	8	0.00	0.06	0.00	0.33	0.17	0.24	0.09	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.20	0.18	0.27	0.01	0.15	0.11	0.01	0.06	0.00	0.22	0.39	0.66	0.38	0.19	0.39	0.13	0.31	0.13	0.67	0.72	0.71	0.69	0.64	0.60	0.69	0.72	0.62	0.74	0.93	1.00	1.00	1.00
10	15	9	0.00	0.07	0.00	0.22	0.03	0.14	0.06	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.19	0.17	0.16	0.01	0.14	0.08	0.01	0.07	0.00	0.42	0.56	0.80	0.55	0.23	0.59	0.43	0.38	0.18	0.85	0.91	0.88	0.87	0.80	0.74	0.86	0.85	0.76	0.87	1.00	1.00	1.00	1.00
10	15	10	0.00	0.12	0.00	0.26	0.00	0.14	0.08	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.21	0.19	0.12	0.01	0.16	0.09	0.01	0.12	0.03	0.58	0.70	0.95	0.69	0.37	0.71	0.55	0.56	0.34	0.98	0.99	0.97	0.96	0.88	0.92	0.95	0.91	0.89	0.94	1.00	1.00	1.00	1.00
10	15	11	0.02	0.21	0.00	0.31	0.00	0.13	0.09	0.06	0.08	0.01	0.03	0.00	0.03	0.02	0.25	0.23	0.14	0.04	0.17	0.14	0.01	0.21	0.10	0.66	0.75	1.00	0.74	0.35	0.59	0.75	0.69	0.46	0.96	1.00	1.00	0.98	0.91	0.94	0.97	0.93	0.89	0.96	1.00	1.00	1.00	1.00
10	15	12	0.09	0.27	0.00	0.35	0.00	0.09	0.07	0.17	0.15	0.08	0.11	0.00	0.10	0.04	0.28	0.25	0.14	0.09	0.17	0.23	0.03	0.27	0.16	0.71	0.78	0.93	0.77	0.23	0.60	0.81	0.74	0.49	1.00	1.00	1.00	0.98	0.96	1.00	0.98	0.95	0.88	0.99	1.00	1.00	1.00	1.00
10	15	13	0.18	0.28	0.00	0.41	0.00	0.06	0.08	0.27	0.24	0.17	0.23	0.00	0.19	0.06	0.29	0.27	0.15	0.15	0.17	0.33	0.03	0.28	0.17	0.69	0.77	0.87	0.75	0.21	0.40	0.84	0.68	0.72	0.98	0.99	0.98	0.98	0.97	0.95	0.98	0.91	0.81	0.96	1.00	1.00	1.00	1.00
10	15	14	0.23	0.29	0.00	0.48	0.00	0.08	0.13	0.35	0.29	0.22	0.35	0.01	0.24	0.07	0.28	0.25	0.15	0.18	0.18	0.43	0.04	0.29	0.18	0.66	0.75	0.85	0.73	0.35	0.40	0.68	0.64	0.79	0.91	0.97	0.97	0.96	0.95	0.95	0.95	0.89	0.79	0.94	1.00	1.00	1.00	1.00
10	15	15	0.30	0.28	0.00	0.52	0.04	0.11	0.22	0.38	0.35	0.29	0.44	0.06	0.31	0.13	0.26	0.24	0.16	0.21	0.18	0.48	0.06	0.28	0.17	0.55	0.65	0.71	0.63	0.21	0.34	0.60	0.58	0.78	0.71	0.82	0.90	0.89	0.87	0.86	0.88	0.81	0.65	0.86	0.89	1.00	1.00	1.00
10	15	16	0.41	0.30	0.00	0.53	0.10	0.20	0.34	0.48	0.45	0.40	0.48	0.26	0.41	0.33	0.25	0.23	0.18	0.29	0.15	0.48	0.08	0.30	0.19	0.39	0.52	0.49	0.51	0.24	0.32	0.62	0.55	0.59	0.66	0.58	0.68	0.73	0.72	0.65	0.72	0.68	0.49	0.66	0.54	1.00	1.00	1.00
10	15	17	0.57	0.34	0.06	0.50	0.11	0.59	0.42	0.57	0.60	0.56	0.51	0.39	0.57	0.45	0.25	0.23	0.23	0.35	0.14	0.44	0.11	0.34	0.23	0.12	0.20	0.17	0.19	0.15	0.30	0.29	0.21	0.33	0.16	0.09	0.40	0.28	0.24	0.13	0.28	0.32	0.21	0.28	0.06	1.00	1.00	1.00
10	15	18	0.70	0.36	0.26	0.43	0.09	0.76	0.47	0.64	0.72	0.69	0.55	0.41	0.70	0.47	0.30	0.28	0.29	0.46	0.15	0.37	0.13	0.36	0.25	0.00	0.00	0.01	0.00	0.01	0.02	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	15	19	0.78	0.33	0.40	0.44	0.09	0.80	0.50	0.73	0.81	0.78	0.57	0.40	0.79	0.46	0.36	0.34	0.35	0.56	0.19	0.30	0.21	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	20	0.70	0.28	0.29	0.45	0.17	0.78	0.46	0.75	0.73	0.70	0.57	0.44	0.71	0.49	0.39	0.37	0.44	0.54	0.29	0.31	0.31	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	21	0.61	0.30	0.25	0.45	0.30	0.70	0.42	0.77	0.64	0.60	0.64	0.58	0.61	0.63	0.48	0.46	0.55	0.56	0.33	0.26	0.43	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	22	0.51	0.30	0.23	0.44	0.47	0.56	0.44	0.76	0.55	0.50	0.73	0.67	0.52	0.71	0.51	0.50	0.57	0.58	0.32	0.21	0.45	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	23	0.51	0.34	0.16	0.43	0.53	0.45	0.48	0.74	0.55	0.50	0.77	0.67	0.52	0.71	0.53	0.51	0.47	0.59	0.33	0.22	0.42	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	15	24	0.52	0.40	0.22	0.40	0.52	0.39	0.59	0.71	0.56	0.51	0.77	0.69	0.52	0.72	0.52	0.50	0.38	0.59	0.32	0.27	0.47	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	1	0.48	0.41	0.26	0.40	0.46	0.17	0.72	0.70	0.52	0.47	0.74	0.69	0.49	0.73	0.52	0.50	0.45	0.59	0.31	0.29	0.41	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	2	0.50	0.41	0.26	0.45	0.49	0.21	0.78	0.71	0.54	0.49	0.74	0.72	0.51	0.75	0.54	0.52	0.45	0.58	0.30	0.28	0.34	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	3	0.51	0.38	0.23	0.45	0.49	0.25	0.80	0.75	0.55	0.50	0.69	0.75	0.51	0.78	0.50	0.48	0.40	0.62	0.31	0.28	0.21	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	4	0.53	0.36	0.14	0.46	0.48	0.29	0.81	0.76	0.56	0.52	0.64	0.73	0.53	0.76	0.43	0.41	0.38	0.64	0.34	0.31	0.15	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	5	0.55	0.40	0.06	0.45	0.46	0.27	0.82	0.70	0.59	0.54	0.65	0.72	0.55	0.75	0.43	0.41	0.24	0.68	0.35	0.31	0.12	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	6	0.50	0.47	0.02	0.43	0.42	0.21	0.84	0.64	0.54	0.49	0.71	0.78	0.51	0.81	0.45	0.43	0.16	0.69	0.38	0.29	0.11	0.47	0.36	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.16	1.00	1.00	1.00
10	16	7	0.49	0.45	0.01	0.48	0.35	0.44	0.82	0.59	0.53	0.49	0.76	0.81	0.50	0.84	0.51	0.49	0.27	0.65	0.37	0.31	0.11	0.45	0.34	0.01	0.13	0.32	0.13	0.01	0.01	0.04	0.06	0.11	0.19	0.30	0.39	0.37	0.35	0.23	0.37	0.17	0.32	0.49	0.68	1.00	1.00	1.00
10	16	8	0.56	0.32	0.00	0.48	0.22	0.36	0.78	0.54	0.60	0.56	0.77	0.74	0.57	0.77	0.56	0.55	0.26	0.53	0.32	0.28	0.13	0.32	0.22	0.22	0.38	0.63	0.37	0.08	0.25	0.47	0.31	0.47	0.45	0.65	0.59	0.70	0.68	0.46	0.69	0.44	0.57	0.75	0.88	1.00	1.00	1.00
10	16	9	0.57	0.31	0.00	0.42	0.07	0.08	0.74	0.55	0.61	0.57	0.69	0.74	0.58	0.77	0.54	0.52	0.25	0.56	0.32	0.28	0.31	0.31	0.20	0.43	0.57	0.76	0.56	0.08	0.30	0.57	0.53	0.79	0.59	0.88	0.84	0.86	0.84	0.77	0.85	0.49	0.71	0.87	1.00	1.00	1.00	1.00
10	16	10	0.60	0.38	0.00	0.44	0.01	0.04	0.75	0.58	0.63	0.59	0.59	0.76	0.61	0.79	0.53	0.51	0.18	0.72	0.38	0.35	0.45	0.38	0.27	0.55	0.65	0.75	0.64	0.07	0.26	0.62	0.55	0.94	0.66	0.80	0.98	0.98	0.98	0.86	0.98	0.54	0.67	0.89	1.00	1.00	1.00	1.00
10	16	11	0.65	0.40	0.00	0.53	0.00	0.04	0.77	0.62	0.69	0.65	0.51	0.80	0.66	0.82	0.59	0.57	0.13	0.76	0.41	0.42	0.53	0.40	0.30	0.65	0.73	0.83	0.72	0.08	0.34	0.75	0.61	0.99	0.82	0.89	1.00	1.00	1.00	0.85	1.00	0.66	0.68	0.97	1.00	1.00	1.00	1.00
10	16	12	0.66	0.43	0.01	0.63	0.04	0.04	0.75	0.65	0.69	0.66	0.49	0.79	0.67	0.82	0.70	0.69	0.15	0.71	0.38	0.43	0.64	0.42	0.33	0.67	0.74	0.81	0.72	0.22	0.20	0.51	0.60	1.00	0.95	0.89	1.00	1.00	1.00	0.92	1.00	0.43	0.71	0.93	1.00	1.00	1.00	1.00
10	16	13	0.70	0.53	0.08	0.71	0.12	0.04	0.74	0.66	0.73	0.70	0.54	0.75	0.70	0.78	0.72	0.71	0.24	0.66	0.37	0.46	0.73	0.53	0.44	0.61	0.67	0.78	0.66	0.09	0.26	0.27	0.43	0.97	0.95	0.92	0.99	0.96	1.00	0.76	0.95	0.42	0.70	0.88	1.00	1.00	1.00	1.00
10	16	14	0.71	0.62	0.14	0.75	0.23	0.03	0.73	0.66	0.74	0.71	0.69	0.72	0.72	0.75	0.70	0.69	0.36	0.67	0.36	0.48	0.78	0.62	0.54	0.60	0.68	0.77	0.67	0.10	0.14	0.51	0.47	0.90	0.89	0.97	1.00	0.98	0.98	0.87	0.97	0.45	0.65	0.86	0.93	1.00	1.00	1.00
10	16	15	0.74	0.55	0.08	0.81	0.38	0.01	0.71	0.65	0.76	0.74	0.75	0.80	0.74	0.83	0.69	0.68	0.45	0.73	0.32	0.45	0.83	0.55	0.47	0.50	0.60	0.57	0.59	0.09	0.10	0.41	0.42	0.81	0.87	0.87	0.91	0.89	0.89	0.74	0.88	0.26	0.65	0.75	0.82	1.00	1.00	1.00
10	16	16	0.76	0.56	0.21	0.79	0.48	0.02	0.67	0.62	0.78	0.76	0.70	0.85	0.76	0.87	0.61	0.60	0.36	0.77	0.23	0.35	0.83	0.56	0.47	0.38	0.49	0.40	0.49	0.13	0.44	0.48	0.40	0.59	0.76	0.70	0.67	0.64	0.69	0.57	0.64	0.26	0.55	0.55	0.47	1.00	1.00	1.00
10	16	17	0.76	0.54	0.40	0.77	0.47	0.08	0.59	0.59	0.79	0.76	0.67	0.84	0.77	0.86	0.54	0.52	0.31	0.64	0.18	0.28	0.70	0.54	0.46	0.10	0.17	0.14	0.17	0.13	0.17	0.19	0.19	0.20	0.31	0.07	0.39	0.30	0.22	0.13	0.29	0.13	0.24	0.22	0.04	1.00	1.00	1.00
10	16	18	0.72	0.66	0.44	0.70	0.37	0.14	0.52	0.57	0.74	0.71	0.71	0.84	0.72	0.86	0.54	0.52	0.33	0.60	0.25	0.23	0.68	0.66	0.58	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	1.00	1.00	1.00
10	16	19	0.69	0.71	0.50	0.69	0.33	0.08	0.47	0.58	0.72	0.68	0.72	0.83	0.69	0.85	0.53	0.51	0.34	0.65	0.23	0.31	0.83	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	20	0.49	0.73	0.32	0.66	0.26	0.19	0.37	0.62	0.53	0.48	0.70	0.81	0.50	0.83	0.52	0.50	0.23	0.47	0.27	0.26	0.86	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	21	0.37	0.80	0.25	0.59	0.15	0.13	0.28	0.63	0.42	0.36	0.68	0.80	0.38	0.82	0.49	0.47	0.29	0.14	0.26	0.13	0.85	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	22	0.30	0.79	0.24	0.55	0.06	0.32	0.24	0.62	0.35	0.29	0.65	0.75	0.30	0.77	0.50	0.48	0.60	0.02	0.26	0.09	0.86	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	23	0.29	0.75	0.26	0.52	0.01	0.33	0.18	0.55	0.35	0.29	0.58	0.74	0.30	0.77	0.51	0.49	0.38	0.01	0.27	0.04	0.89	0.75	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	16	24	0.33	0.83	0.27	0.54	0.00	0.24	0.13	0.47	0.38	0.32	0.48	0.73	0.34	0.76	0.57	0.56	0.32	0.02	0.32	0.03	0.88	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	1	0.39	0.82	0.29	0.58	0.00	0.20	0.12	0.47	0.44	0.38	0.43	0.68	0.40	0.72	0.65	0.64	0.41	0.01	0.34	0.07	0.90	0.82	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	2	0.41	0.83	0.26	0.57	0.00	0.09	0.12	0.54	0.46	0.40	0.39	0.62	0.42	0.66	0.66	0.65	0.43	0.00	0.36	0.10	0.90	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	3	0.40	0.86	0.25	0.57	0.00	0.09	0.13	0.55	0.45	0.39	0.41	0.57	0.41	0.62	0.59	0.58	0.44	0.01	0.38	0.11	0.88	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	4	0.38	0.91	0.28	0.57	0.00	0.07	0.16	0.58	0.43	0.38	0.43	0.55	0.39	0.59	0.59	0.57	0.48	0.01	0.42	0.12	0.86	0.91	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	5	0.41	0.92	0.34	0.60	0.00	0.04	0.25	0.58	0.45	0.40	0.39	0.52	0.41	0.57	0.57	0.56	0.42	0.04	0.50	0.11	0.82	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	6	0.44	0.92	0.40	0.60	0.00	0.05	0.31	0.57	0.48	0.43	0.32	0.49	0.45	0.54	0.61	0.60	0.43	0.08	0.52	0.12	0.77	0.92	0.90	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.16	1.00	1.00	1.00
10	17	7	0.53	0.93	0.36	0.62	0.00	0.09	0.50	0.58	0.57	0.52	0.25	0.40	0.53	0.46	0.58	0.57	0.48	0.13	0.56	0.11	0.69	0.93	0.91	0.01	0.12	0.34	0.12	0.01	0.00	0.02	0.11	0.07	0.16	0.36	0.40	0.32	0.32	0.24	0.32	0.38	0.30	0.48	0.65	1.00	1.00	1.00
10	17	8	0.52	0.97	0.29	0.54	0.00	0.11	0.64	0.58	0.56	0.52	0.22	0.32	0.53	0.38	0.57	0.55	0.58	0.26	0.54	0.06	0.60	0.97	0.96	0.22	0.38	0.58	0.37	0.23	0.11	0.25	0.37	0.36	0.51	0.71	0.72	0.68	0.67	0.44	0.68	0.67	0.57	0.76	0.91	1.00	1.00	1.00
10	17	9	0.54	0.98	0.26	0.45	0.00	0.14	0.69	0.63	0.57	0.53	0.18	0.29	0.54	0.36	0.59	0.58	0.78	0.64	0.66	0.03	0.73	0.98	0.98	0.42	0.55	0.73	0.54	0.35	0.31	0.28	0.47	0.52	0.70	0.91	0.89	0.87	0.81	0.67	0.86	0.76	0.73	0.89	1.00	1.00	1.00	1.00
10	17	10	0.55	0.99	0.37	0.50	0.00	0.16	0.76	0.66	0.58	0.54	0.17	0.32	0.55	0.38	0.68	0.66	0.81	0.80	0.79	0.04	0.83	0.99	0.99	0.58	0.70	0.80	0.69	0.41	0.59	0.43	0.52	0.88	0.77	1.00	1.00	0.97	0.90	0.73	0.96	0.91	0.73	0.97	1.00	1.00	1.00	1.00
10	17	11	0.63	1.00	0.42	0.43	0.00	0.10	0.80	0.68	0.66	0.62	0.19	0.34	0.63	0.40	0.71	0.70	0.70	0.75	0.88	0.03	0.90	1.00	1.00	0.69	0.78	0.81	0.77	0.48	0.66	0.57	0.64	0.92	0.84	1.00	1.00	1.00	0.93	0.85	1.00	0.80	0.73	0.98	1.00	1.00	1.00	1.00
10	17	12	0.76	1.00	0.47	0.38	0.00	0.06	0.82	0.66	0.78	0.76	0.20	0.37	0.76	0.43	0.71	0.70	0.63	0.75	0.90	0.02	0.93	1.00	1.00	0.75	0.83	0.83	0.81	0.46	0.80	0.81	0.72	0.87	0.87	1.00	1.00	1.00	0.96	0.76	1.00	0.70	0.75	0.99	1.00	1.00	1.00	1.00
10	17	13	0.84	1.00	0.55	0.36	0.00	0.10	0.82	0.66	0.86	0.84	0.23	0.39	0.84	0.45	0.75	0.74	0.64	0.63	0.87	0.02	0.96	1.00	1.00	0.72	0.79	0.77	0.78	0.48	0.84	0.55	0.60	0.87	0.82	1.00	1.00	0.99	0.95	0.81	0.98	0.55	0.81	0.98	1.00	1.00	1.00	1.00
10	17	14	0.81	1.00	0.62	0.35	0.00	0.21	0.84	0.66	0.83	0.81	0.31	0.38	0.81	0.44	0.76	0.75	0.66	0.51	0.83	0.02	0.97	1.00	1.00	0.71	0.80	0.79	0.78	0.51	0.75	0.69	0.65	0.92	0.83	1.00	1.00	0.98	0.89	0.84	0.98	0.64	0.73	0.95	1.00	1.00	1.00	1.00
10	17	15	0.76	1.00	0.67	0.32	0.00	0.26	0.86	0.67	0.78	0.76	0.38	0.46	0.76	0.51	0.76	0.75	0.68	0.37	0.88	0.01	0.98	1.00	1.00	0.62	0.73	0.71	0.72	0.50	0.69	0.66	0.65	0.85	0.77	0.94	0.91	0.90	0.83	0.86	0.89	0.59	0.72	0.86	0.81	1.00	1.00	1.00
10	17	16	0.76	1.00	0.72	0.28	0.00	0.23	0.86	0.63	0.78	0.76	0.46	0.54	0.76	0.60	0.68	0.67	0.71	0.56	0.87	0.01	0.96	1.00	1.00	0.41	0.54	0.56	0.53	0.38	0.47	0.50	0.52	0.72	0.68	0.78	0.65	0.68	0.63	0.63	0.68	0.39	0.63	0.66	0.52	1.00	1.00	1.00
10	17	17	0.72	0.95	0.74	0.23	0.00	0.22	0.87	0.61	0.75	0.71	0.48	0.59	0.72	0.63	0.52	0.51	0.61	0.59	0.84	0.02	0.87	0.95	0.94	0.12	0.21	0.19	0.20	0.25	0.26	0.21	0.16	0.27	0.20	0.16	0.38	0.38	0.30	0.20	0.38	0.17	0.27	0.25	0.04	1.00	1.00	1.00
10	17	18	0.55	0.93	0.72	0.23	0.02	0.33	0.87	0.60	0.58	0.54	0.51	0.62	0.55	0.66	0.49	0.47	0.49	0.49	0.84	0.05	0.74	0.93	0.92	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	17	19	0.58	0.95	0.76	0.26	0.11	0.49	0.88	0.63	0.61	0.57	0.51	0.64	0.58	0.68	0.39	0.37	0.47	0.38	0.83	0.08	0.71	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	20	0.62	0.93	0.74	0.29	0.11	0.55	0.88	0.63	0.65	0.61	0.48	0.60	0.62	0.64	0.35	0.33	0.45	0.25	0.85	0.10	0.63	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	21	0.56	0.86	0.65	0.23	0.06	0.48	0.88	0.63	0.60	0.55	0.48	0.49	0.57	0.54	0.36	0.34	0.45	0.17	0.89	0.08	0.62	0.86	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	22	0.52	0.85	0.48	0.23	0.03	0.43	0.87	0.65	0.56	0.52	0.43	0.56	0.53	0.61	0.36	0.34	0.45	0.14	0.86	0.05	0.55	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	23	0.48	0.85	0.38	0.25	0.02	0.40	0.84	0.70	0.52	0.47	0.41	0.59	0.49	0.63	0.34	0.32	0.41	0.19	0.86	0.04	0.58	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	17	24	0.39	0.76	0.30	0.27	0.01	0.33	0.80	0.75	0.44	0.38	0.33	0.52	0.40	0.58	0.40	0.38	0.32	0.21	0.86	0.12	0.54	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	1	0.30	0.73	0.27	0.28	0.00	0.28	0.76	0.74	0.35	0.29	0.28	0.33	0.31	0.40	0.48	0.47	0.22	0.17	0.89	0.17	0.45	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	2	0.29	0.73	0.26	0.29	0.01	0.26	0.75	0.72	0.34	0.28	0.38	0.18	0.30	0.25	0.58	0.57	0.19	0.12	0.89	0.25	0.36	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	3	0.27	0.70	0.25	0.35	0.00	0.25	0.74	0.72	0.33	0.26	0.41	0.10	0.28	0.17	0.60	0.58	0.19	0.08	0.85	0.41	0.30	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	4	0.17	0.70	0.26	0.37	0.00	0.28	0.74	0.68	0.23	0.16	0.48	0.08	0.18	0.15	0.62	0.60	0.20	0.08	0.82	0.48	0.31	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	5	0.10	0.63	0.25	0.41	0.00	0.19	0.75	0.61	0.16	0.09	0.56	0.15	0.11	0.23	0.60	0.59	0.22	0.08	0.85	0.49	0.30	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	6	0.06	0.52	0.23	0.44	0.00	0.12	0.75	0.49	0.12	0.05	0.59	0.23	0.07	0.31	0.67	0.66	0.28	0.07	0.86	0.47	0.31	0.52	0.44	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.17	1.00	1.00	1.00
10	18	7	0.00	0.51	0.22	0.45	0.00	0.05	0.74	0.32	0.03	0.00	0.67	0.27	0.00	0.34	0.72	0.71	0.41	0.03	0.86	0.44	0.25	0.51	0.42	0.02	0.15	0.39	0.14	0.02	0.00	0.02	0.16	0.13	0.25	0.36	0.42	0.37	0.35	0.31	0.37	0.43	0.35	0.48	0.69	1.00	1.00	1.00
10	18	8	0.00	0.53	0.21	0.49	0.00	0.07	0.75	0.17	0.00	0.00	0.67	0.28	0.00	0.35	0.74	0.73	0.50	0.01	0.89	0.36	0.14	0.53	0.44	0.26	0.45	0.67	0.44	0.13	0.21	0.46	0.57	0.56	0.67	0.72	0.73	0.70	0.69	0.63	0.70	0.72	0.68	0.75	0.92	1.00	1.00	1.00
10	18	9	0.00	0.54	0.20	0.40	0.00	0.05	0.75	0.13	0.00	0.00	0.56	0.30	0.00	0.37	0.73	0.72	0.46	0.00	0.90	0.30	0.09	0.54	0.46	0.47	0.63	0.76	0.62	0.19	0.27	0.58	0.76	0.80	0.88	0.90	0.89	0.86	0.87	0.79	0.85	0.86	0.78	0.90	1.00	1.00	1.00	1.00
10	18	10	0.00	0.55	0.26	0.44	0.00	0.02	0.75	0.11	0.00	0.00	0.44	0.35	0.00	0.41	0.70	0.69	0.63	0.00	0.93	0.28	0.06	0.55	0.46	0.62	0.74	0.85	0.73	0.09	0.37	0.71	0.88	0.93	0.97	1.00	0.99	0.96	0.96	0.89	0.95	0.93	0.81	0.97	1.00	1.00	1.00	1.00
10	18	11	0.00	0.57	0.19	0.55	0.00	0.04	0.75	0.07	0.00	0.00	0.35	0.46	0.00	0.52	0.71	0.70	0.73	0.00	0.92	0.26	0.03	0.57	0.48	0.74	0.84	0.90	0.82	0.20	0.62	0.87	0.93	0.99	1.00	1.00	1.00	1.00	0.99	0.92	0.99	0.95	0.81	1.00	1.00	1.00	1.00	1.00
10	18	12	0.00	0.57	0.10	0.60	0.00	0.03	0.76	0.02	0.00	0.00	0.22	0.48	0.00	0.53	0.72	0.71	0.78	0.00	0.92	0.24	0.01	0.57	0.49	0.79	0.88	0.84	0.86	0.25	0.76	0.90	0.94	1.00	1.00	1.00	1.00	1.00	1.00	0.92	1.00	0.97	0.86	1.00	1.00	1.00	1.00	1.00
10	18	13	0.00	0.57	0.05	0.63	0.00	0.02	0.73	0.02	0.00	0.00	0.14	0.44	0.00	0.50	0.79	0.78	0.82	0.00	0.95	0.24	0.00	0.57	0.49	0.78	0.86	0.84	0.84	0.27	0.84	0.84	0.92	0.98	1.00	1.00	0.99	0.97	0.99	0.87	0.96	0.93	0.90	0.98	1.00	1.00	1.00	1.00
10	18	14	0.00	0.57	0.07	0.64	0.00	0.00	0.71	0.04	0.00	0.00	0.13	0.39	0.00	0.45	0.87	0.86	0.88	0.00	0.97	0.24	0.01	0.57	0.49	0.74	0.84	0.81	0.82	0.18	0.84	0.87	0.89	0.97	1.00	1.00	0.98	0.97	0.90	0.94	0.97	0.89	0.81	0.93	1.00	1.00	1.00	1.00
10	18	15	0.00	0.62	0.12	0.65	0.00	0.00	0.71	0.09	0.00	0.00	0.11	0.34	0.00	0.40	0.85	0.85	0.95	0.00	0.93	0.25	0.00	0.62	0.54	0.64	0.75	0.78	0.74	0.17	0.73	0.81	0.82	0.89	0.94	0.93	0.91	0.89	0.84	0.87	0.89	0.86	0.74	0.85	0.88	1.00	1.00	1.00
10	18	16	0.00	0.63	0.27	0.62	0.00	0.00	0.72	0.18	0.00	0.00	0.10	0.31	0.00	0.38	0.82	0.81	0.94	0.00	0.90	0.23	0.00	0.63	0.55	0.44	0.58	0.57	0.57	0.19	0.60	0.64	0.69	0.71	0.76	0.78	0.74	0.69	0.63	0.69	0.68	0.67	0.53	0.64	0.54	1.00	1.00	1.00
10	18	17	0.00	0.55	0.39	0.61	0.00	0.00	0.74	0.26	0.03	0.00	0.11	0.27	0.00	0.34	0.75	0.74	0.82	0.00	0.87	0.22	0.00	0.55	0.47	0.13	0.22	0.19	0.22	0.15	0.27	0.31	0.18	0.27	0.04	0.28	0.44	0.39	0.36	0.23	0.38	0.29	0.22	0.23	0.04	1.00	1.00	1.00
10	18	18	0.01	0.53	0.48	0.66	0.00	0.02	0.77	0.34	0.06	0.00	0.14	0.26	0.02	0.33	0.73	0.72	0.76	0.02	0.84	0.29	0.00	0.53	0.44	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	18	19	0.01	0.51	0.43	0.67	0.00	0.02	0.78	0.34	0.07	0.00	0.19	0.28	0.02	0.35	0.74	0.73	0.82	0.02	0.82	0.31	0.00	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	20	0.01	0.51	0.41	0.70	0.00	0.00	0.79	0.31	0.07	0.00	0.21	0.28	0.02	0.35	0.74	0.73	0.88	0.06	0.79	0.27	0.01	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	21	0.02	0.53	0.36	0.66	0.00	0.00	0.78	0.30	0.07	0.01	0.21	0.26	0.03	0.33	0.76	0.75	0.93	0.14	0.82	0.23	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	22	0.04	0.53	0.26	0.68	0.00	0.00	0.77	0.28	0.10	0.03	0.21	0.26	0.05	0.33	0.77	0.76	0.96	0.29	0.87	0.21	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	23	0.07	0.56	0.16	0.69	0.00	0.00	0.76	0.26	0.13	0.06	0.19	0.24	0.08	0.32	0.71	0.70	0.97	0.45	0.86	0.20	0.01	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	18	24	0.10	0.55	0.13	0.70	0.00	0.02	0.78	0.28	0.16	0.09	0.15	0.25	0.11	0.32	0.61	0.59	0.97	0.56	0.84	0.16	0.01	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	1	0.12	0.53	0.14	0.69	0.00	0.03	0.78	0.24	0.18	0.11	0.12	0.24	0.13	0.31	0.53	0.52	0.89	0.60	0.85	0.11	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	2	0.10	0.53	0.18	0.69	0.00	0.04	0.76	0.18	0.15	0.09	0.09	0.21	0.11	0.28	0.59	0.57	0.78	0.61	0.89	0.09	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	3	0.12	0.54	0.21	0.67	0.00	0.07	0.74	0.17	0.18	0.11	0.08	0.23	0.13	0.30	0.66	0.64	0.71	0.64	0.90	0.07	0.00	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	4	0.14	0.53	0.23	0.68	0.00	0.10	0.70	0.17	0.20	0.13	0.05	0.23	0.15	0.31	0.68	0.67	0.62	0.70	0.91	0.04	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	5	0.14	0.53	0.37	0.68	0.00	0.08	0.64	0.17	0.20	0.13	0.03	0.22	0.15	0.30	0.71	0.70	0.56	0.72	0.91	0.01	0.01	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	6	0.15	0.53	0.49	0.68	0.00	0.06	0.62	0.12	0.20	0.14	0.02	0.21	0.16	0.29	0.72	0.71	0.53	0.74	0.92	0.00	0.00	0.53	0.44	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.20	1.00	1.00	1.00
10	19	7	0.14	0.52	0.52	0.68	0.00	0.03	0.60	0.08	0.20	0.13	0.03	0.20	0.15	0.27	0.72	0.71	0.51	0.74	0.91	0.00	0.01	0.52	0.43	0.02	0.14	0.41	0.14	0.03	0.01	0.02	0.15	0.12	0.25	0.35	0.40	0.35	0.33	0.33	0.35	0.41	0.37	0.46	0.67	1.00	1.00	1.00
10	19	8	0.14	0.52	0.61	0.69	0.00	0.03	0.56	0.06	0.20	0.13	0.00	0.19	0.15	0.26	0.74	0.73	0.51	0.68	0.91	0.00	0.00	0.52	0.43	0.26	0.46	0.73	0.45	0.14	0.33	0.47	0.56	0.56	0.66	0.69	0.71	0.68	0.65	0.66	0.68	0.70	0.68	0.73	0.92	1.00	1.00	1.00
10	19	9	0.14	0.51	0.66	0.70	0.00	0.03	0.52	0.03	0.20	0.13	0.00	0.15	0.15	0.22	0.84	0.83	0.51	0.60	0.91	0.00	0.00	0.51	0.42	0.49	0.65	0.89	0.64	0.18	0.59	0.70	0.75	0.77	0.85	0.87	0.87	0.86	0.79	0.84	0.85	0.84	0.82	0.86	1.00	1.00	1.00	1.00
10	19	10	0.17	0.51	0.68	0.71	0.00	0.00	0.53	0.01	0.23	0.16	0.00	0.09	0.18	0.17	0.95	0.94	0.52	0.68	0.89	0.00	0.00	0.51	0.41	0.63	0.75	0.98	0.74	0.05	0.59	0.81	0.87	0.90	0.96	0.96	0.95	0.95	0.89	0.91	0.94	0.90	0.90	0.95	1.00	1.00	1.00	1.00
10	19	11	0.17	0.51	0.86	0.72	0.02	0.00	0.57	0.02	0.22	0.16	0.00	0.04	0.18	0.10	0.93	0.93	0.55	0.80	0.87	0.00	0.00	0.51	0.41	0.71	0.81	1.00	0.79	0.08	0.58	0.87	0.91	0.96	1.00	1.00	0.97	0.99	0.97	0.91	0.98	0.92	0.92	0.98	1.00	1.00	1.00	1.00
10	19	12	0.19	0.49	0.93	0.71	0.08	0.00	0.61	0.06	0.25	0.18	0.00	0.00	0.20	0.06	0.90	0.90	0.60	0.85	0.86	0.00	0.01	0.49	0.39	0.74	0.81	1.00	0.80	0.04	0.53	0.89	0.92	0.99	1.00	1.00	0.97	0.98	0.99	0.90	0.97	0.93	0.92	0.98	1.00	1.00	1.00	1.00
10	19	13	0.21	0.50	0.98	0.76	0.14	0.00	0.65	0.13	0.26	0.20	0.00	0.00	0.22	0.03	0.87	0.86	0.70	0.85	0.84	0.00	0.01	0.50	0.40	0.70	0.77	0.92	0.76	0.04	0.39	0.87	0.89	0.95	0.99	0.99	0.91	0.93	0.95	0.87	0.92	0.89	0.90	0.95	1.00	1.00	1.00	1.00
10	19	14	0.24	0.51	0.99	0.81	0.20	0.00	0.68	0.26	0.29	0.23	0.00	0.00	0.25	0.02	0.88	0.88	0.90	0.85	0.83	0.00	0.01	0.51	0.42	0.68	0.77	0.88	0.75	0.03	0.46	0.84	0.89	0.92	0.98	0.96	0.95	0.93	0.93	0.89	0.92	0.88	0.90	0.91	0.99	1.00	1.00	1.00
10	19	15	0.41	0.53	0.96	0.86	0.28	0.00	0.72	0.40	0.46	0.41	0.00	0.00	0.42	0.01	0.87	0.87	0.77	0.87	0.84	0.03	0.02	0.53	0.44	0.59	0.70	0.80	0.69	0.02	0.59	0.78	0.83	0.86	0.91	0.89	0.86	0.86	0.85	0.78	0.85	0.81	0.82	0.83	0.86	1.00	1.00	1.00
10	19	16	0.53	0.56	0.93	0.78	0.34	0.01	0.74	0.56	0.57	0.52	0.00	0.00	0.54	0.01	0.85	0.84	0.53	0.90	0.80	0.07	0.03	0.56	0.48	0.41	0.54	0.59	0.53	0.08	0.45	0.62	0.68	0.71	0.75	0.71	0.68	0.67	0.64	0.61	0.66	0.61	0.69	0.61	0.48	1.00	1.00	1.00
10	19	17	0.60	0.68	0.85	0.58	0.39	0.08	0.75	0.69	0.64	0.60	0.00	0.00	0.61	0.02	0.84	0.83	0.36	0.91	0.76	0.13	0.05	0.68	0.61	0.11	0.20	0.23	0.19	0.11	0.09	0.23	0.14	0.29	0.10	0.30	0.37	0.36	0.34	0.30	0.35	0.26	0.33	0.22	0.03	1.00	1.00	1.00
10	19	18	0.62	0.80	0.77	0.57	0.49	0.43	0.77	0.74	0.65	0.61	0.00	0.00	0.62	0.01	0.72	0.71	0.15	0.95	0.80	0.17	0.17	0.80	0.75	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	1.00	1.00	1.00
10	19	19	0.49	0.83	0.72	0.59	0.47	0.67	0.77	0.75	0.53	0.48	0.00	0.00	0.50	0.00	0.66	0.65	0.10	0.95	0.83	0.13	0.34	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	20	0.37	0.84	0.51	0.64	0.33	0.80	0.79	0.71	0.42	0.36	0.00	0.00	0.38	0.00	0.72	0.71	0.15	0.92	0.81	0.13	0.45	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	21	0.37	0.76	0.44	0.64	0.18	0.74	0.81	0.67	0.42	0.37	0.00	0.00	0.38	0.01	0.80	0.79	0.14	0.90	0.78	0.14	0.51	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	22	0.37	0.65	0.44	0.69	0.15	0.80	0.83	0.62	0.42	0.36	0.00	0.01	0.38	0.06	0.85	0.84	0.18	0.92	0.76	0.17	0.53	0.65	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	23	0.38	0.75	0.58	0.69	0.22	0.67	0.85	0.58	0.43	0.37	0.01	0.14	0.39	0.22	0.84	0.83	0.30	0.94	0.79	0.14	0.47	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	19	24	0.35	0.81	0.68	0.70	0.24	0.55	0.86	0.60	0.40	0.34	0.05	0.25	0.35	0.32	0.72	0.70	0.29	0.96	0.77	0.14	0.45	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	1	0.35	0.83	0.52	0.65	0.19	0.67	0.86	0.59	0.39	0.34	0.07	0.30	0.36	0.37	0.67	0.66	0.12	0.94	0.76	0.19	0.49	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	2	0.47	0.81	0.39	0.60	0.20	0.77	0.86	0.59	0.51	0.46	0.10	0.35	0.48	0.42	0.74	0.73	0.11	0.89	0.77	0.27	0.53	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	3	0.57	0.79	0.35	0.54	0.34	0.87	0.89	0.58	0.61	0.57	0.18	0.38	0.58	0.44	0.76	0.75	0.20	0.85	0.78	0.36	0.55	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	4	0.58	0.82	0.39	0.52	0.51	0.82	0.92	0.56	0.61	0.57	0.28	0.42	0.59	0.48	0.79	0.78	0.39	0.86	0.76	0.43	0.61	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	5	0.63	0.81	0.39	0.49	0.67	0.93	0.96	0.57	0.66	0.62	0.34	0.44	0.63	0.50	0.81	0.81	0.46	0.86	0.75	0.44	0.69	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	6	0.64	0.82	0.41	0.42	0.74	0.95	0.94	0.54	0.67	0.64	0.31	0.45	0.65	0.51	0.81	0.80	0.56	0.89	0.72	0.47	0.71	0.82	0.78	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.19	1.00	1.00	1.00
10	20	7	0.69	0.82	0.51	0.35	0.72	0.97	0.95	0.50	0.72	0.69	0.34	0.46	0.70	0.52	0.81	0.80	0.61	0.94	0.70	0.49	0.67	0.82	0.78	0.01	0.13	0.27	0.12	0.03	0.00	0.00	0.05	0.06	0.19	0.35	0.40	0.34	0.30	0.32	0.34	0.02	0.25	0.45	0.59	1.00	1.00	1.00
10	20	8	0.74	0.78	0.60	0.30	0.58	0.90	0.95	0.49	0.76	0.74	0.39	0.47	0.74	0.53	0.83	0.82	0.55	0.89	0.72	0.53	0.64	0.78	0.74	0.23	0.40	0.51	0.39	0.33	0.28	0.30	0.20	0.35	0.51	0.68	0.71	0.67	0.63	0.66	0.66	0.24	0.45	0.72	0.86	1.00	1.00	1.00
10	20	9	0.75	0.78	0.62	0.29	0.29	0.73	0.92	0.50	0.78	0.75	0.35	0.44	0.76	0.50	0.83	0.82	0.57	0.84	0.79	0.46	0.74	0.78	0.74	0.44	0.58	0.66	0.57	0.48	0.55	0.57	0.30	0.54	0.63	0.77	0.86	0.83	0.81	0.83	0.83	0.63	0.50	0.85	0.98	1.00	1.00	1.00
10	20	10	0.72	0.88	0.64	0.28	0.10	0.85	0.94	0.55	0.74	0.71	0.45	0.40	0.72	0.46	0.87	0.87	0.61	0.84	0.87	0.55	0.86	0.88	0.86	0.59	0.71	0.76	0.70	0.53	0.74	0.79	0.50	0.70	0.64	0.89	0.86	0.88	0.92	0.91	0.87	0.75	0.55	0.93	1.00	1.00	1.00	1.00
10	20	11	0.63	0.94	0.71	0.28	0.01	0.85	0.95	0.62	0.65	0.62	0.53	0.41	0.63	0.47	0.91	0.91	0.67	0.77	0.84	0.63	0.92	0.94	0.92	0.66	0.75	0.75	0.74	0.53	0.87	0.86	0.63	0.91	0.76	0.96	0.34	0.92	0.94	0.98	0.91	0.56	0.58	0.93	1.00	1.00	1.00	1.00
10	20	12	0.74	0.94	0.72	0.28	0.00	0.78	0.97	0.68	0.77	0.74	0.54	0.48	0.75	0.53	0.91	0.90	0.89	0.84	0.87	0.71	0.93	0.94	0.92	0.77	0.85	0.68	0.83	0.63	0.89	0.90	0.73	0.95	0.76	0.94	0.94	0.96	0.96	0.98	0.95	0.40	0.62	0.93	1.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
10	20	13	0.80	0.96	0.68	0.24	0.00	0.75	0.98	0.72	0.82	0.80	0.58	0.54	0.80	0.59	0.90	0.90	0.88	0.91	0.84	0.75	0.91	0.96	0.95	0.76	0.84	0.72	0.82	0.74	0.68	0.88	0.77	0.98	0.71	0.92	0.98	0.96	0.93	0.96	0.95	0.53	0.69	0.87	1.00	1.00	1.00	1.00
10	20	14	0.78	0.97	0.72	0.25	0.00	0.80	0.99	0.71	0.80	0.77	0.57	0.58	0.78	0.63	0.88	0.87	0.88	0.77	0.85	0.79	0.87	0.97	0.96	0.75	0.85	0.75	0.83	0.81	0.83	0.86	0.75	0.96	0.93	0.91	0.93	0.91	0.87	0.93	0.90	0.48	0.78	0.74	0.94	1.00	1.00	1.00
10	20	15	0.76	0.95	0.76	0.29	0.00	0.81	0.99	0.73	0.78	0.75	0.64	0.60	0.76	0.65	0.85	0.84	0.93	0.65	0.84	0.82	0.86	0.95	0.94	0.65	0.77	0.69	0.75	0.78	0.79	0.80	0.69	0.87	0.87	0.89	0.82	0.81	0.81	0.84	0.80	0.43	0.74	0.64	0.79	1.00	1.00	1.00
10	20	16	0.77	0.94	0.83	0.34	0.00	0.82	0.99	0.69	0.79	0.76	0.67	0.55	0.77	0.60	0.78	0.78	0.96	0.87	0.76	0.77	0.84	0.94	0.92	0.44	0.57	0.53	0.56	0.64	0.66	0.64	0.59	0.70	0.73	0.74	0.46	0.60	0.59	0.65	0.60	0.43	0.61	0.47	0.46	1.00	1.00	1.00
10	20	17	0.73	0.86	0.86	0.36	0.02	0.84	0.99	0.62	0.75	0.72	0.62	0.48	0.73	0.53	0.70	0.69	0.88	0.97	0.63	0.71	0.84	0.86	0.83	0.10	0.17	0.20	0.16	0.15	0.21	0.18	0.06	0.17	0.03	0.30	0.18	0.31	0.30	0.36	0.31	0.17	0.30	0.16	0.02	1.00	1.00	1.00
10	20	18	0.66	0.86	0.81	0.47	0.17	0.79	0.97	0.60	0.69	0.66	0.60	0.44	0.67	0.50	0.64	0.62	0.80	0.87	0.51	0.59	0.85	0.86	0.82	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	1.00	1.00	1.00
10	20	19	0.69	0.84	0.80	0.53	0.46	0.49	0.96	0.62	0.72	0.69	0.54	0.41	0.70	0.47	0.57	0.56	0.83	0.78	0.44	0.60	0.86	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	20	0.69	0.85	0.73	0.61	0.66	0.42	0.94	0.70	0.71	0.68	0.57	0.54	0.69	0.59	0.56	0.54	0.86	0.62	0.43	0.83	0.88	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	21	0.65	0.87	0.74	0.60	0.72	0.42	0.89	0.76	0.68	0.64	0.68	0.65	0.65	0.69	0.54	0.52	0.86	0.51	0.34	0.90	0.90	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	22	0.42	0.89	0.72	0.59	0.73	0.78	0.87	0.76	0.46	0.41	0.66	0.58	0.43	0.63	0.53	0.52	0.83	0.47	0.45	0.91	0.79	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	23	0.30	0.89	0.69	0.59	0.81	0.68	0.86	0.60	0.35	0.29	0.63	0.35	0.31	0.42	0.48	0.47	0.80	0.50	0.45	0.70	0.58	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	20	24	0.32	0.88	0.64	0.60	0.88	0.70	0.84	0.45	0.37	0.31	0.62	0.15	0.33	0.22	0.45	0.43	0.73	0.35	0.39	0.64	0.35	0.89	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	1	0.36	0.77	0.66	0.61	0.90	0.68	0.80	0.32	0.41	0.35	0.63	0.13	0.36	0.20	0.46	0.44	0.67	0.35	0.42	0.62	0.29	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	2	0.27	0.74	0.69	0.62	0.88	0.69	0.77	0.19	0.32	0.26	0.64	0.28	0.28	0.36	0.42	0.40	0.64	0.35	0.45	0.60	0.36	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	3	0.26	0.74	0.67	0.61	0.79	0.73	0.85	0.10	0.31	0.25	0.56	0.27	0.27	0.34	0.37	0.35	0.61	0.37	0.42	0.63	0.26	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	4	0.29	0.76	0.68	0.65	0.72	0.67	0.93	0.19	0.34	0.28	0.52	0.34	0.30	0.41	0.35	0.33	0.54	0.32	0.42	0.63	0.26	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	5	0.32	0.78	0.67	0.67	0.71	0.88	0.93	0.40	0.38	0.31	0.50	0.25	0.33	0.32	0.35	0.32	0.45	0.19	0.48	0.63	0.31	0.78	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	6	0.32	0.71	0.63	0.70	0.73	0.93	0.87	0.57	0.37	0.31	0.48	0.21	0.33	0.28	0.32	0.30	0.31	0.19	0.52	0.63	0.37	0.71	0.64	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	1.00	1.00	1.00
10	21	7	0.36	0.58	0.62	0.73	0.80	0.82	0.69	0.55	0.41	0.35	0.54	0.20	0.37	0.27	0.30	0.28	0.25	0.21	0.56	0.60	0.41	0.58	0.50	0.01	0.13	0.38	0.13	0.10	0.01	0.02	0.13	0.10	0.24	0.34	0.38	0.28	0.24	0.27	0.28	0.39	0.36	0.40	0.63	1.00	1.00	1.00
10	21	8	0.34	0.61	0.59	0.74	0.77	0.51	0.53	0.44	0.39	0.33	0.55	0.29	0.35	0.36	0.30	0.28	0.17	0.21	0.63	0.57	0.25	0.61	0.53	0.26	0.47	0.71	0.46	0.57	0.45	0.47	0.56	0.55	0.66	0.70	0.64	0.58	0.52	0.63	0.58	0.69	0.68	0.66	0.88	1.00	1.00	1.00
10	21	9	0.42	0.63	0.40	0.69	0.71	0.34	0.35	0.43	0.47	0.42	0.61	0.25	0.43	0.32	0.23	0.21	0.09	0.32	0.68	0.58	0.41	0.63	0.56	0.52	0.71	0.89	0.70	0.82	0.70	0.71	0.77	0.78	0.88	0.89	0.86	0.83	0.72	0.82	0.82	0.82	0.84	0.83	1.00	1.00	1.00	1.00
10	21	10	0.50	0.60	0.30	0.65	0.63	0.13	0.27	0.58	0.54	0.49	0.70	0.23	0.51	0.30	0.18	0.16	0.06	0.40	0.72	0.62	0.56	0.60	0.52	0.71	0.86	0.99	0.84	0.95	0.83	0.84	0.89	0.91	0.99	0.99	0.90	0.96	0.92	0.92	0.95	0.93	0.87	0.92	1.00	1.00	1.00	1.00
10	21	11	0.53	0.47	0.30	0.66	0.59	0.12	0.20	0.73	0.57	0.52	0.73	0.39	0.54	0.46	0.15	0.13	0.04	0.43	0.74	0.71	0.54	0.47	0.38	0.83	0.94	1.00	0.92	0.99	0.88	0.90	0.95	0.98	1.00	1.00	1.00	0.98	0.93	1.00	0.97	0.86	0.96	0.95	1.00	1.00	1.00	1.00
10	21	12	0.63	0.42	0.25	0.66	0.51	0.17	0.15	0.82	0.66	0.63	0.73	0.39	0.64	0.45	0.15	0.12	0.03	0.44	0.72	0.76	0.55	0.42	0.32	0.87	0.96	1.00	0.94	0.99	0.89	0.91	0.96	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.84	0.97	0.98	1.00	1.00	1.00	1.00
10	21	13	0.77	0.45	0.20	0.66	0.43	0.20	0.12	0.85	0.80	0.77	0.75	0.45	0.78	0.51	0.14	0.12	0.02	0.46	0.72	0.75	0.63	0.45	0.34	0.86	0.95	0.94	0.93	0.98	0.86	0.88	0.95	0.96	1.00	1.00	1.00	0.96	0.97	1.00	0.96	0.70	0.94	0.96	0.87	1.00	1.00	1.00
10	21	14	0.82	0.42	0.18	0.65	0.37	0.14	0.12	0.86	0.84	0.82	0.73	0.46	0.82	0.52	0.16	0.13	0.02	0.49	0.69	0.72	0.75	0.42	0.32	0.82	0.92	0.96	0.90	0.98	0.85	0.87	0.91	0.93	1.00	1.00	1.00	0.98	0.96	0.95	0.97	0.85	0.96	0.91	0.90	1.00	1.00	1.00
10	21	15	0.78	0.47	0.17	0.65	0.34	0.25	0.11	0.89	0.80	0.78	0.71	0.47	0.78	0.52	0.17	0.15	0.03	0.51	0.59	0.70	0.83	0.47	0.39	0.70	0.82	0.86	0.81	0.92	0.79	0.79	0.84	0.87	0.95	0.96	0.88	0.90	0.87	0.85	0.89	0.81	0.88	0.80	0.76	1.00	1.00	1.00
10	21	16	0.81	0.75	0.16	0.64	0.27	0.14	0.09	0.90	0.83	0.81	0.68	0.46	0.81	0.52	0.18	0.16	0.03	0.56	0.51	0.71	0.84	0.75	0.68	0.46	0.60	0.60	0.59	0.77	0.64	0.62	0.68	0.69	0.75	0.77	0.48	0.65	0.66	0.64	0.65	0.59	0.70	0.50	0.39	1.00	1.00	1.00
10	21	17	0.79	0.71	0.15	0.66	0.19	0.11	0.09	0.84	0.82	0.79	0.64	0.49	0.80	0.55	0.23	0.21	0.04	0.62	0.49	0.73	0.88	0.71	0.65	0.10	0.18	0.24	0.18	0.11	0.16	0.19	0.10	0.20	0.10	0.45	0.18	0.31	0.32	0.34	0.31	0.24	0.34	0.15	0.02	1.00	1.00	1.00
10	21	18	0.61	0.64	0.15	0.71	0.28	0.06	0.10	0.73	0.64	0.60	0.59	0.40	0.62	0.46	0.34	0.32	0.05	0.68	0.41	0.72	0.83	0.64	0.57	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
10	21	19	0.59	0.63	0.17	0.70	0.31	0.08	0.07	0.66	0.62	0.58	0.57	0.28	0.59	0.34	0.45	0.43	0.07	0.68	0.40	0.72	0.84	0.62	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	20	0.58	0.79	0.19	0.69	0.30	0.03	0.02	0.60	0.61	0.57	0.59	0.28	0.58	0.35	0.52	0.50	0.08	0.57	0.42	0.70	0.81	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	21	0.53	0.89	0.20	0.66	0.35	0.04	0.00	0.60	0.57	0.53	0.58	0.29	0.54	0.35	0.55	0.53	0.11	0.45	0.46	0.68	0.86	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	22	0.42	0.83	0.21	0.63	0.40	0.09	0.00	0.59	0.47	0.41	0.53	0.42	0.43	0.49	0.53	0.51	0.14	0.28	0.49	0.64	0.86	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	23	0.29	0.82	0.23	0.60	0.39	0.11	0.00	0.47	0.35	0.28	0.54	0.38	0.30	0.44	0.54	0.53	0.18	0.16	0.48	0.61	0.83	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	21	24	0.23	0.77	0.31	0.60	0.30	0.15	0.00	0.43	0.29	0.22	0.55	0.32	0.24	0.39	0.54	0.53	0.20	0.11	0.50	0.58	0.81	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	1	0.20	0.66	0.44	0.59	0.21	0.10	0.00	0.41	0.26	0.19	0.59	0.27	0.21	0.34	0.54	0.52	0.24	0.07	0.55	0.55	0.78	0.66	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	2	0.22	0.67	0.55	0.60	0.17	0.04	0.00	0.40	0.28	0.21	0.65	0.24	0.23	0.30	0.52	0.50	0.30	0.07	0.64	0.55	0.76	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	3	0.22	0.60	0.62	0.58	0.33	0.05	0.00	0.40	0.28	0.21	0.61	0.32	0.23	0.39	0.50	0.48	0.36	0.08	0.70	0.53	0.77	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	4	0.20	0.62	0.63	0.55	0.39	0.03	0.00	0.41	0.25	0.19	0.60	0.46	0.21	0.52	0.48	0.47	0.41	0.09	0.81	0.50	0.77	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	5	0.18	0.70	0.62	0.52	0.41	0.00	0.00	0.42	0.24	0.17	0.59	0.61	0.19	0.66	0.47	0.45	0.43	0.11	0.91	0.44	0.75	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	6	0.21	0.67	0.59	0.50	0.34	0.01	0.00	0.44	0.27	0.20	0.60	0.62	0.22	0.66	0.45	0.43	0.44	0.09	0.97	0.42	0.70	0.67	0.60	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	1.00	1.00	1.00
10	22	7	0.21	0.63	0.59	0.48	0.12	0.01	0.00	0.41	0.27	0.20	0.56	0.56	0.22	0.61	0.44	0.42	0.44	0.06	0.96	0.42	0.61	0.63	0.55	0.01	0.14	0.40	0.14	0.09	0.00	0.01	0.12	0.06	0.24	0.34	0.40	0.33	0.34	0.30	0.33	0.40	0.36	0.47	0.66	1.00	1.00	1.00
10	22	8	0.13	0.54	0.56	0.44	0.01	0.00	0.00	0.38	0.19	0.12	0.55	0.46	0.14	0.51	0.43	0.41	0.41	0.03	0.94	0.38	0.42	0.54	0.45	0.27	0.49	0.74	0.48	0.55	0.44	0.46	0.54	0.48	0.66	0.71	0.72	0.69	0.65	0.66	0.68	0.72	0.69	0.75	0.93	1.00	1.00	1.00
10	22	9	0.17	0.47	0.52	0.39	0.00	0.00	0.02	0.33	0.23	0.16	0.57	0.45	0.18	0.50	0.39	0.37	0.30	0.03	0.94	0.32	0.38	0.47	0.37	0.53	0.71	0.92	0.70	0.79	0.69	0.68	0.75	0.73	0.88	0.90	0.88	0.87	0.79	0.82	0.86	0.88	0.84	0.88	1.00	1.00	1.00	1.00
10	22	10	0.26	0.37	0.45	0.29	0.00	0.00	0.03	0.38	0.32	0.26	0.58	0.46	0.27	0.52	0.32	0.30	0.21	0.07	0.94	0.29	0.39	0.37	0.27	0.70	0.84	1.00	0.83	0.90	0.80	0.80	0.86	0.87	0.99	0.97	0.98	0.95	0.87	0.93	0.95	0.95	0.92	0.95	1.00	1.00	1.00	1.00
10	22	11	0.32	0.32	0.41	0.25	0.00	0.00	0.02	0.55	0.37	0.31	0.62	0.46	0.33	0.53	0.27	0.25	0.15	0.10	0.94	0.34	0.38	0.32	0.21	0.80	0.91	1.00	0.89	0.93	0.88	0.87	0.90	0.91	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.96	0.95	0.99	1.00	1.00	1.00	1.00
10	22	12	0.43	0.28	0.38	0.21	0.00	0.00	0.01	0.70	0.48	0.42	0.62	0.36	0.44	0.42	0.23	0.21	0.10	0.11	0.94	0.43	0.33	0.28	0.17	0.84	0.93	0.99	0.91	0.95	0.89	0.89	0.90	0.95	0.98	1.00	1.00	1.00	0.99	0.97	1.00	0.91	0.94	0.99	1.00	1.00	1.00	1.00
10	22	13	0.45	0.24	0.36	0.18	0.00	0.00	0.00	0.80	0.50	0.44	0.54	0.31	0.46	0.38	0.20	0.18	0.08	0.11	0.95	0.46	0.28	0.24	0.13	0.83	0.92	1.00	0.90	0.95	0.89	0.86	0.88	0.93	1.00	0.99	0.99	0.99	1.00	0.92	0.98	0.96	0.92	0.99	1.00	1.00	1.00	1.00
10	22	14	0.41	0.22	0.34	0.16	0.00	0.00	0.00	0.83	0.45	0.40	0.47	0.30	0.42	0.37	0.17	0.15	0.05	0.13	0.97	0.50	0.23	0.22	0.12	0.79	0.89	1.00	0.88	0.94	0.84	0.84	0.87	0.90	0.97	0.99	0.97	0.97	0.96	0.94	0.96	0.93	0.92	0.95	1.00	1.00	1.00	1.00
10	22	15	0.45	0.25	0.32	0.15	0.00	0.00	0.00	0.82	0.50	0.45	0.52	0.28	0.46	0.36	0.15	0.13	0.04	0.13	0.98	0.53	0.21	0.25	0.14	0.68	0.80	0.86	0.79	0.88	0.77	0.77	0.80	0.82	0.93	0.91	0.89	0.89	0.88	0.85	0.88	0.85	0.85	0.85	0.89	1.00	1.00	1.00
10	22	16	0.48	0.33	0.30	0.15	0.00	0.00	0.01	0.80	0.53	0.48	0.51	0.23	0.49	0.30	0.15	0.12	0.04	0.14	0.99	0.52	0.19	0.33	0.22	0.46	0.60	0.63	0.59	0.74	0.60	0.62	0.64	0.63	0.74	0.70	0.69	0.66	0.69	0.62	0.65	0.66	0.69	0.59	0.53	1.00	1.00	1.00
10	22	17	0.42	0.47	0.28	0.18	0.00	0.00	0.03	0.70	0.47	0.42	0.44	0.22	0.43	0.29	0.19	0.17	0.05	0.15	0.99	0.52	0.18	0.47	0.37	0.11	0.20	0.22	0.20	0.18	0.18	0.17	0.09	0.15	0.28	0.41	0.29	0.29	0.33	0.32	0.29	0.25	0.32	0.19	0.02	1.00	1.00	1.00
10	22	18	0.42	0.51	0.26	0.20	0.00	0.01	0.06	0.60	0.46	0.41	0.44	0.21	0.42	0.28	0.27	0.24	0.07	0.18	0.98	0.54	0.24	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
10	22	19	0.44	0.42	0.24	0.20	0.00	0.03	0.05	0.48	0.49	0.43	0.44	0.18	0.45	0.25	0.33	0.31	0.08	0.20	0.98	0.57	0.30	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	20	0.36	0.42	0.21	0.19	0.00	0.04	0.02	0.39	0.41	0.35	0.48	0.21	0.37	0.28	0.35	0.32	0.08	0.22	0.98	0.53	0.30	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	21	0.27	0.47	0.21	0.18	0.00	0.02	0.00	0.34	0.32	0.26	0.53	0.24	0.28	0.32	0.36	0.34	0.07	0.22	0.97	0.50	0.25	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	22	0.22	0.50	0.21	0.19	0.00	0.00	0.00	0.30	0.28	0.21	0.52	0.26	0.23	0.33	0.36	0.34	0.07	0.19	0.98	0.50	0.20	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	23	0.21	0.46	0.22	0.20	0.00	0.00	0.00	0.27	0.27	0.20	0.44	0.25	0.22	0.32	0.38	0.36	0.07	0.14	0.98	0.47	0.22	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	22	24	0.19	0.42	0.21	0.19	0.00	0.00	0.00	0.24	0.25	0.18	0.43	0.24	0.20	0.31	0.38	0.36	0.07	0.10	0.98	0.47	0.22	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	1	0.17	0.25	0.19	0.19	0.00	0.00	0.00	0.23	0.23	0.16	0.45	0.26	0.18	0.33	0.39	0.37	0.05	0.08	0.98	0.46	0.21	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	2	0.16	0.16	0.18	0.19	0.00	0.00	0.00	0.25	0.21	0.15	0.45	0.29	0.17	0.37	0.39	0.36	0.05	0.08	0.98	0.41	0.20	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	3	0.20	0.14	0.17	0.19	0.00	0.00	0.00	0.28	0.25	0.19	0.44	0.27	0.21	0.34	0.37	0.35	0.04	0.10	0.98	0.38	0.20	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	4	0.28	0.12	0.17	0.19	0.00	0.00	0.00	0.29	0.34	0.27	0.37	0.28	0.29	0.35	0.36	0.34	0.03	0.16	0.98	0.39	0.21	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	5	0.35	0.12	0.17	0.19	0.00	0.01	0.00	0.30	0.40	0.34	0.33	0.31	0.36	0.38	0.35	0.33	0.01	0.22	0.97	0.42	0.22	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	6	0.33	0.11	0.17	0.20	0.00	0.03	0.00	0.29	0.38	0.32	0.33	0.32	0.33	0.38	0.35	0.33	0.00	0.25	0.97	0.45	0.23	0.11	0.02	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.23	1.00	1.00	1.00
10	23	7	0.29	0.11	0.17	0.21	0.00	0.04	0.00	0.28	0.35	0.29	0.31	0.33	0.30	0.40	0.36	0.34	0.00	0.21	0.96	0.41	0.21	0.11	0.02	0.01	0.13	0.39	0.13	0.10	0.00	0.01	0.12	0.08	0.21	0.32	0.38	0.33	0.31	0.29	0.33	0.37	0.36	0.46	0.67	1.00	1.00	1.00
10	23	8	0.25	0.08	0.17	0.22	0.00	0.08	0.00	0.25	0.31	0.24	0.33	0.32	0.26	0.39	0.37	0.35	0.00	0.15	0.93	0.40	0.17	0.08	0.01	0.27	0.48	0.72	0.47	0.54	0.42	0.45	0.53	0.51	0.63	0.67	0.70	0.67	0.62	0.64	0.67	0.69	0.67	0.73	0.92	1.00	1.00	1.00
10	23	9	0.20	0.06	0.16	0.20	0.00	0.07	0.00	0.22	0.25	0.19	0.31	0.29	0.21	0.36	0.36	0.34	0.01	0.09	0.87	0.37	0.15	0.06	0.00	0.52	0.70	0.88	0.69	0.77	0.67	0.68	0.72	0.74	0.84	0.86	0.87	0.85	0.83	0.83	0.84	0.81	0.83	0.87	1.00	1.00	1.00	1.00
10	23	10	0.27	0.07	0.14	0.15	0.00	0.02	0.00	0.19	0.32	0.26	0.26	0.24	0.28	0.31	0.32	0.30	0.01	0.10	0.82	0.35	0.15	0.07	0.00	0.70	0.84	0.98	0.82	0.90	0.79	0.80	0.85	0.87	0.97	0.95	0.97	0.94	0.91	0.94	0.94	0.89	0.90	0.95	1.00	1.00	1.00	1.00
10	23	11	0.37	0.09	0.14	0.14	0.00	0.00	0.00	0.21	0.42	0.36	0.27	0.21	0.38	0.28	0.29	0.27	0.01	0.17	0.78	0.36	0.14	0.09	0.01	0.79	0.90	1.00	0.88	0.96	0.83	0.86	0.90	0.92	1.00	0.98	0.99	0.97	0.94	0.98	0.96	0.90	0.94	0.97	1.00	1.00	1.00	1.00
10	23	12	0.42	0.12	0.13	0.13	0.00	0.00	0.00	0.29	0.47	0.41	0.31	0.23	0.43	0.30	0.29	0.27	0.02	0.21	0.75	0.33	0.13	0.12	0.03	0.83	0.92	1.00	0.90	0.97	0.86	0.87	0.91	0.94	1.00	0.95	1.00	0.97	0.97	0.97	0.96	0.91	0.95	0.99	1.00	1.00	1.00	1.00
10	23	13	0.45	0.14	0.11	0.13	0.00	0.00	0.00	0.46	0.50	0.45	0.28	0.20	0.46	0.27	0.30	0.28	0.03	0.21	0.72	0.27	0.10	0.14	0.04	0.82	0.91	0.99	0.89	0.95	0.85	0.85	0.88	0.91	1.00	0.96	0.99	0.96	0.95	0.95	0.95	0.89	0.92	0.97	1.00	1.00	1.00	1.00
10	23	14	0.44	0.14	0.09	0.12	0.00	0.00	0.00	0.58	0.48	0.43	0.31	0.19	0.44	0.26	0.30	0.28	0.03	0.18	0.66	0.27	0.11	0.14	0.04	0.77	0.87	0.97	0.85	0.92	0.82	0.82	0.87	0.89	0.99	0.90	0.96	0.92	0.89	0.93	0.91	0.90	0.90	0.93	0.99	1.00	1.00	1.00
10	23	15	0.44	0.13	0.08	0.10	0.00	0.00	0.00	0.58	0.49	0.44	0.32	0.18	0.45	0.26	0.30	0.28	0.05	0.17	0.58	0.30	0.10	0.13	0.04	0.66	0.78	0.86	0.76	0.85	0.75	0.76	0.79	0.81	0.89	0.85	0.87	0.83	0.83	0.83	0.82	0.84	0.83	0.83	0.86	1.00	1.00	1.00
10	23	16	0.42	0.14	0.10	0.09	0.00	0.00	0.00	0.55	0.47	0.41	0.30	0.19	0.43	0.27	0.28	0.25	0.07	0.16	0.54	0.32	0.09	0.14	0.04	0.44	0.58	0.61	0.57	0.72	0.59	0.61	0.65	0.66	0.69	0.70	0.72	0.55	0.59	0.61	0.55	0.64	0.65	0.57	0.46	1.00	1.00	1.00
10	23	17	0.38	0.12	0.11	0.09	0.00	0.02	0.00	0.46	0.42	0.37	0.29	0.25	0.39	0.32	0.30	0.28	0.12	0.14	0.59	0.33	0.10	0.12	0.03	0.10	0.18	0.22	0.17	0.23	0.12	0.07	0.15	0.03	0.31	0.40	0.30	0.22	0.26	0.30	0.22	0.25	0.31	0.18	0.02	1.00	1.00	1.00
10	23	18	0.37	0.09	0.10	0.09	0.00	0.02	0.00	0.49	0.43	0.37	0.31	0.34	0.38	0.40	0.33	0.31	0.14	0.17	0.64	0.41	0.16	0.09	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
10	23	19	0.30	0.10	0.13	0.07	0.00	0.03	0.00	0.39	0.36	0.30	0.33	0.33	0.31	0.40	0.33	0.31	0.15	0.15	0.61	0.40	0.27	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	20	0.26	0.14	0.14	0.07	0.00	0.03	0.00	0.22	0.31	0.25	0.33	0.28	0.27	0.35	0.35	0.33	0.14	0.12	0.57	0.38	0.30	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	21	0.20	0.12	0.12	0.06	0.00	0.03	0.00	0.15	0.26	0.19	0.35	0.26	0.21	0.32	0.39	0.37	0.08	0.09	0.61	0.36	0.26	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	22	0.13	0.11	0.10	0.06	0.00	0.03	0.00	0.11	0.18	0.12	0.35	0.31	0.14	0.37	0.43	0.41	0.05	0.06	0.67	0.39	0.19	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	23	0.08	0.15	0.08	0.07	0.00	0.04	0.00	0.09	0.14	0.07	0.32	0.37	0.09	0.43	0.49	0.47	0.07	0.02	0.62	0.36	0.13	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	23	24	0.03	0.22	0.10	0.06	0.00	0.04	0.00	0.09	0.09	0.02	0.30	0.38	0.04	0.45	0.51	0.49	0.08	0.00	0.54	0.38	0.11	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	1	0.01	0.26	0.17	0.06	0.00	0.03	0.00	0.08	0.07	0.01	0.32	0.39	0.02	0.45	0.54	0.52	0.10	0.00	0.50	0.38	0.10	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	2	0.00	0.23	0.22	0.05	0.00	0.01	0.00	0.09	0.04	0.00	0.34	0.44	0.00	0.50	0.55	0.53	0.12	0.00	0.51	0.35	0.10	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	3	0.00	0.23	0.22	0.05	0.00	0.00	0.00	0.12	0.04	0.00	0.33	0.47	0.00	0.53	0.54	0.52	0.14	0.00	0.49	0.33	0.09	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	4	0.00	0.23	0.23	0.04	0.00	0.00	0.00	0.19	0.05	0.00	0.36	0.49	0.00	0.54	0.54	0.52	0.20	0.02	0.50	0.32	0.09	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	5	0.00	0.20	0.25	0.04	0.00	0.00	0.00	0.26	0.05	0.00	0.41	0.51	0.01	0.56	0.54	0.53	0.27	0.03	0.54	0.30	0.11	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	6	0.00	0.21	0.29	0.05	0.00	0.00	0.03	0.25	0.05	0.00	0.37	0.50	0.00	0.55	0.54	0.52	0.31	0.03	0.56	0.23	0.13	0.21	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.22	1.00	1.00	1.00
10	24	7	0.00	0.17	0.36	0.07	0.00	0.00	0.01	0.19	0.04	0.00	0.35	0.51	0.00	0.56	0.52	0.50	0.36	0.03	0.58	0.11	0.11	0.17	0.07	0.01	0.12	0.38	0.12	0.09	0.00	0.01	0.11	0.06	0.19	0.30	0.36	0.31	0.31	0.29	0.31	0.39	0.35	0.44	0.64	1.00	1.00	1.00
10	24	8	0.00	0.09	0.44	0.07	0.00	0.00	0.00	0.13	0.02	0.00	0.32	0.53	0.00	0.58	0.52	0.50	0.38	0.03	0.53	0.05	0.06	0.09	0.01	0.26	0.47	0.70	0.46	0.52	0.42	0.43	0.52	0.48	0.62	0.67	0.67	0.65	0.64	0.64	0.65	0.69	0.66	0.72	0.89	1.00	1.00	1.00
10	24	9	0.00	0.07	0.45	0.07	0.00	0.00	0.00	0.06	0.01	0.00	0.26	0.53	0.00	0.58	0.46	0.44	0.35	0.02	0.49	0.01	0.02	0.07	0.00	0.51	0.68	0.87	0.67	0.74	0.67	0.67	0.71	0.72	0.81	0.82	0.85	0.81	0.82	0.79	0.81	0.83	0.81	0.85	1.00	1.00	1.00	1.00
10	24	10	0.00	0.07	0.47	0.06	0.00	0.00	0.00	0.05	0.00	0.00	0.21	0.47	0.00	0.53	0.38	0.36	0.29	0.01	0.47	0.01	0.03	0.07	0.00	0.67	0.80	0.95	0.79	0.87	0.79	0.78	0.82	0.84	0.90	0.92	0.91	0.89	0.88	0.85	0.88	0.86	0.88	0.92	1.00	1.00	1.00	1.00
10	24	11	0.00	0.08	0.55	0.06	0.00	0.00	0.00	0.07	0.00	0.00	0.19	0.45	0.00	0.51	0.37	0.35	0.26	0.01	0.48	0.01	0.03	0.08	0.00	0.77	0.87	0.99	0.85	0.94	0.85	0.84	0.86	0.90	0.98	0.96	0.92	0.93	0.92	0.88	0.93	0.91	0.91	0.96	1.00	1.00	1.00	1.00
10	24	12	0.00	0.08	0.75	0.08	0.00	0.00	0.00	0.08	0.00	0.00	0.16	0.37	0.00	0.44	0.39	0.37	0.24	0.00	0.50	0.00	0.02	0.08	0.01	0.81	0.89	1.00	0.87	0.94	0.87	0.86	0.89	0.93	0.98	0.97	0.94	0.96	0.86	0.90	0.95	0.91	0.91	0.94	1.00	1.00	1.00	1.00
10	24	13	0.00	0.09	0.86	0.11	0.00	0.00	0.00	0.05	0.02	0.00	0.14	0.25	0.00	0.32	0.42	0.40	0.29	0.01	0.50	0.00	0.01	0.09	0.01	0.81	0.90	0.98	0.88	0.95	0.83	0.84	0.89	0.92	1.00	0.97	0.96	0.94	0.91	0.93	0.93	0.87	0.92	0.94	1.00	1.00	1.00	1.00
10	24	14	0.00	0.10	0.88	0.16	0.00	0.00	0.00	0.03	0.06	0.00	0.10	0.19	0.01	0.26	0.44	0.42	0.32	0.03	0.53	0.00	0.01	0.10	0.02	0.76	0.86	0.94	0.84	0.91	0.80	0.81	0.85	0.89	0.96	0.95	0.94	0.92	0.89	0.90	0.91	0.86	0.90	0.90	0.97	1.00	1.00	1.00
10	24	15	0.01	0.12	0.88	0.16	0.00	0.00	0.00	0.02	0.06	0.00	0.06	0.17	0.02	0.24	0.47	0.45	0.32	0.07	0.56	0.01	0.00	0.12	0.03	0.65	0.77	0.83	0.75	0.84	0.72	0.74	0.79	0.81	0.88	0.87	0.84	0.85	0.80	0.81	0.84	0.77	0.83	0.80	0.84	1.00	1.00	1.00
10	24	16	0.00	0.14	0.86	0.16	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.15	0.01	0.23	0.45	0.43	0.33	0.11	0.60	0.01	0.00	0.14	0.05	0.43	0.57	0.59	0.56	0.70	0.58	0.57	0.63	0.65	0.70	0.70	0.60	0.64	0.59	0.61	0.63	0.60	0.68	0.56	0.38	1.00	1.00	1.00
10	24	17	0.01	0.21	0.88	0.18	0.00	0.02	0.00	0.00	0.06	0.00	0.00	0.14	0.02	0.22	0.44	0.42	0.40	0.18	0.63	0.03	0.00	0.21	0.10	0.10	0.19	0.20	0.18	0.20	0.05	0.19	0.23	0.02	0.41	0.38	0.24	0.26	0.25	0.29	0.26	0.22	0.31	0.17	0.01	1.00	1.00	1.00
10	24	18	0.03	0.28	0.87	0.19	0.00	0.03	0.00	0.00	0.08	0.02	0.00	0.14	0.03	0.22	0.44	0.42	0.51	0.26	0.64	0.03	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
10	24	19	0.03	0.34	0.82	0.16	0.00	0.03	0.02	0.00	0.08	0.02	0.00	0.15	0.04	0.22	0.44	0.42	0.57	0.37	0.66	0.02	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	20	0.02	0.38	0.80	0.14	0.00	0.04	0.05	0.00	0.08	0.01	0.00	0.15	0.03	0.23	0.43	0.42	0.59	0.56	0.66	0.01	0.01	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	21	0.02	0.42	0.82	0.13	0.00	0.08	0.05	0.00	0.08	0.01	0.00	0.15	0.03	0.22	0.39	0.37	0.65	0.61	0.65	0.00	0.01	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	22	0.04	0.43	0.77	0.13	0.00	0.11	0.05	0.00	0.10	0.03	0.00	0.14	0.05	0.21	0.36	0.34	0.65	0.62	0.65	0.00	0.01	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	23	0.10	0.44	0.71	0.12	0.00	0.12	0.06	0.00	0.15	0.09	0.00	0.16	0.11	0.23	0.35	0.32	0.64	0.59	0.64	0.00	0.00	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	24	24	0.13	0.47	0.67	0.13	0.00	0.10	0.04	0.00	0.19	0.12	0.02	0.25	0.14	0.32	0.32	0.30	0.60	0.58	0.64	0.00	0.00	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	1	0.14	0.49	0.58	0.13	0.00	0.09	0.03	0.00	0.20	0.13	0.04	0.33	0.15	0.40	0.24	0.22	0.55	0.60	0.65	0.00	0.00	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	2	0.11	0.51	0.47	0.16	0.00	0.08	0.02	0.00	0.17	0.10	0.04	0.37	0.12	0.44	0.15	0.13	0.51	0.59	0.67	0.00	0.00	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	3	0.10	0.53	0.38	0.19	0.00	0.06	0.01	0.00	0.15	0.09	0.05	0.36	0.10	0.43	0.17	0.15	0.47	0.58	0.69	0.00	0.00	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	4	0.10	0.53	0.32	0.21	0.00	0.04	0.01	0.00	0.16	0.09	0.06	0.33	0.11	0.40	0.20	0.18	0.41	0.59	0.69	0.00	0.00	0.53	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	5	0.10	0.55	0.20	0.21	0.00	0.03	0.01	0.00	0.16	0.09	0.07	0.25	0.11	0.32	0.17	0.15	0.43	0.57	0.70	0.00	0.00	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	6	0.10	0.58	0.11	0.22	0.00	0.03	0.01	0.00	0.16	0.09	0.05	0.19	0.11	0.27	0.16	0.14	0.44	0.55	0.71	0.00	0.00	0.58	0.50	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	1.00	1.00	1.00
10	25	7	0.10	0.61	0.04	0.21	0.00	0.04	0.00	0.00	0.16	0.09	0.02	0.19	0.11	0.26	0.14	0.12	0.37	0.54	0.71	0.00	0.00	0.61	0.52	0.01	0.10	0.37	0.10	0.05	0.00	0.00	0.09	0.03	0.13	0.18	0.35	0.30	0.28	0.26	0.30	0.36	0.33	0.43	0.63	1.00	1.00	1.00
10	25	8	0.08	0.53	0.00	0.18	0.00	0.04	0.00	0.00	0.14	0.07	0.00	0.14	0.09	0.22	0.16	0.14	0.35	0.46	0.66	0.00	0.00	0.53	0.44	0.24	0.42	0.69	0.42	0.36	0.40	0.38	0.46	0.41	0.56	0.58	0.67	0.63	0.61	0.61	0.62	0.64	0.65	0.70	0.89	1.00	1.00	1.00
10	25	9	0.04	0.44	0.00	0.11	0.00	0.04	0.01	0.00	0.09	0.03	0.00	0.08	0.05	0.16	0.15	0.12	0.28	0.34	0.61	0.00	0.00	0.44	0.34	0.48	0.64	0.86	0.63	0.53	0.66	0.62	0.69	0.64	0.81	0.79	0.84	0.79	0.78	0.79	0.79	0.80	0.79	0.84	1.00	1.00	1.00	1.00
10	25	10	0.03	0.39	0.00	0.05	0.00	0.02	0.03	0.00	0.08	0.02	0.00	0.04	0.03	0.11	0.16	0.14	0.23	0.28	0.59	0.00	0.00	0.39	0.29	0.65	0.78	0.95	0.77	0.58	0.79	0.75	0.81	0.80	0.92	0.92	0.93	0.91	0.88	0.89	0.90	0.87	0.88	0.92	1.00	1.00	1.00	1.00
10	25	11	0.04	0.39	0.00	0.04	0.00	0.01	0.04	0.00	0.09	0.03	0.00	0.00	0.05	0.06	0.19	0.17	0.22	0.32	0.60	0.00	0.00	0.40	0.29	0.76	0.86	0.99	0.85	0.70	0.86	0.83	0.87	0.89	0.98	0.99	0.96	0.95	0.91	0.95	0.94	0.90	0.92	0.95	1.00	1.00	1.00	1.00
10	25	12	0.06	0.38	0.00	0.04	0.00	0.02	0.06	0.00	0.12	0.05	0.00	0.00	0.07	0.03	0.18	0.15	0.22	0.43	0.59	0.00	0.00	0.38	0.27	0.81	0.89	1.00	0.87	0.68	0.85	0.86	0.90	0.94	1.00	1.00	0.98	0.96	0.92	0.96	0.96	0.93	0.93	0.95	1.00	1.00	1.00	1.00
10	25	13	0.07	0.37	0.00	0.05	0.00	0.03	0.09	0.00	0.13	0.06	0.00	0.00	0.08	0.00	0.18	0.16	0.24	0.51	0.53	0.00	0.01	0.37	0.27	0.80	0.89	1.00	0.87	0.71	0.86	0.84	0.90	0.93	1.00	1.00	0.97	0.96	0.89	0.92	0.95	0.91	0.92	0.92	1.00	1.00	1.00	1.00
10	25	14	0.06	0.40	0.00	0.07	0.00	0.03	0.12	0.00	0.12	0.05	0.00	0.00	0.07	0.00	0.20	0.18	0.28	0.52	0.44	0.00	0.01	0.40	0.29	0.74	0.83	0.94	0.81	0.62	0.83	0.81	0.85	0.89	0.98	0.96	0.93	0.92	0.85	0.85	0.91	0.86	0.88	0.89	0.95	1.00	1.00	1.00
10	25	15	0.06	0.44	0.00	0.09	0.00	0.03	0.17	0.00	0.12	0.05	0.00	0.00	0.07	0.00	0.25	0.22	0.30	0.52	0.33	0.00	0.00	0.44	0.34	0.62	0.73	0.83	0.71	0.53	0.76	0.73	0.77	0.81	0.87	0.84	0.86	0.84	0.79	0.72	0.83	0.78	0.81	0.80	0.82	1.00	1.00	1.00
10	25	16	0.05	0.50	0.00	0.12	0.00	0.03	0.22	0.00	0.10	0.04	0.00	0.00	0.06	0.00	0.31	0.29	0.36	0.49	0.31	0.00	0.00	0.50	0.42	0.40	0.53	0.55	0.52	0.34	0.56	0.56	0.61	0.63	0.68	0.65	0.67	0.66	0.55	0.54	0.66	0.59	0.65	0.56	0.38	1.00	1.00	1.00
10	25	17	0.07	0.72	0.00	0.17	0.03	0.05	0.27	0.00	0.13	0.06	0.00	0.00	0.08	0.01	0.38	0.36	0.42	0.52	0.34	0.01	0.01	0.72	0.65	0.09	0.16	0.17	0.16	0.13	0.06	0.04	0.24	0.01	0.39	0.33	0.27	0.27	0.22	0.24	0.26	0.22	0.28	0.17	0.01	1.00	1.00	1.00
10	25	18	0.11	0.82	0.04	0.25	0.18	0.08	0.28	0.00	0.17	0.10	0.00	0.00	0.12	0.01	0.45	0.43	0.53	0.61	0.29	0.01	0.05	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	1.00	1.00	1.00
10	25	19	0.15	0.80	0.12	0.31	0.40	0.20	0.30	0.04	0.21	0.14	0.00	0.00	0.16	0.00	0.46	0.44	0.65	0.65	0.24	0.01	0.04	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	20	0.15	0.68	0.24	0.38	0.50	0.41	0.30	0.06	0.21	0.14	0.00	0.00	0.16	0.03	0.46	0.44	0.70	0.65	0.23	0.02	0.04	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	21	0.08	0.57	0.33	0.45	0.48	0.39	0.27	0.07	0.14	0.07	0.00	0.06	0.09	0.14	0.45	0.43	0.73	0.62	0.19	0.02	0.07	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	22	0.05	0.52	0.43	0.48	0.47	0.40	0.26	0.05	0.10	0.04	0.00	0.13	0.06	0.20	0.43	0.41	0.78	0.58	0.18	0.02	0.06	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	23	0.04	0.47	0.42	0.54	0.45	0.46	0.25	0.02	0.09	0.03	0.00	0.19	0.05	0.26	0.43	0.41	0.80	0.54	0.17	0.03	0.06	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	25	24	0.04	0.44	0.41	0.56	0.40	0.36	0.22	0.00	0.10	0.03	0.00	0.23	0.05	0.31	0.43	0.41	0.78	0.49	0.16	0.04	0.06	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	1	0.05	0.41	0.40	0.57	0.31	0.20	0.20	0.00	0.11	0.04	0.00	0.26	0.06	0.33	0.43	0.41	0.76	0.48	0.17	0.02	0.06	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	2	0.06	0.34	0.38	0.58	0.19	0.18	0.17	0.00	0.12	0.05	0.00	0.22	0.07	0.30	0.44	0.42	0.75	0.48	0.18	0.01	0.06	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	3	0.06	0.28	0.42	0.59	0.12	0.25	0.15	0.00	0.12	0.06	0.00	0.16	0.07	0.24	0.42	0.40	0.73	0.46	0.17	0.00	0.06	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_C	Riverside_Ea	Greater_Imp
10	26	4	0.05	0.30	0.40	0.59	0.06	0.37	0.13	0.00	0.11	0.04	0.00	0.12
10	26	5	0.03	0.41	0.30	0.60	0.01	0.27	0.11	0.00	0.09	0.03	0.00	0.11
10	26	6	0.02	0.56	0.24	0.61	0.00	0.20	0.08	0.00	0.08	0.01	0.00	0.07
10	26	7	0.01	0.54	0.20	0.60	0.00	0.11	0.07	0.00	0.06	0.00	0.00	0.02
10	26	8	0.00	0.39	0.16	0.56	0.00	0.08	0.05	0.00	0.04	0.00	0.00	0.00
10	26	9	0.00	0.28	0.10	0.48	0.00	0.06	0.05	0.00	0.01	0.00	0.00	0.00
10	26	10	0.00	0.24	0.05	0.43	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00
10	26	11	0.00	0.21	0.05	0.41	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	26	12	0.00	0.19	0.05	0.39	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
10	26	13	0.00	0.16	0.07	0.35	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
10	26	14	0.00	0.14	0.11	0.34	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00
10	26	15	0.00	0.13	0.13	0.33	0.00	0.00	0.03	0.04	0.04	0.00	0.00	0.00
10	26	16	0.03	0.13	0.13	0.31	0.00	0.00	0.02	0.10	0.09	0.02	0.00	0.00
10	26	17	0.12	0.18	0.11	0.31	0.00	0.04	0.01	0.16	0.18	0.11	0.00	0.00
10	26	18	0.28	0.22	0.09	0.32	0.00	0.21	0.00	0.27	0.34	0.27	0.01	0.00
10	26	19	0.31	0.27	0.03	0.31	0.00	0.22	0.00	0.36	0.36	0.30	0.00	0.08
10	26	20	0.31	0.23	0.00	0.31	0.00	0.33	0.00	0.43	0.37	0.31	0.01	0.15
10	26	21	0.30	0.15	0.00	0.32	0.00	0.46	0.00	0.41	0.36	0.29	0.00	0.23
10	26	22	0.27	0.19	0.00	0.35	0.00	0.43	0.00	0.38	0.33	0.27	0.00	0.29
10	26	23	0.22	0.41	0.00	0.38	0.00	0.43	0.01	0.30	0.28	0.21	0.00	0.30
10	26	24	0.16	0.39	0.00	0.40	0.00	0.37	0.03	0.22	0.22	0.15	0.00	0.30
10	27	1	0.14	0.36	0.02	0.41	0.00	0.36	0.05	0.21	0.20	0.13	0.00	0.28
10	27	2	0.10	0.34	0.06	0.40	0.00	0.40	0.07	0.15	0.16	0.09	0.00	0.26
10	27	3	0.08	0.32	0.09	0.39	0.00	0.42	0.08	0.08	0.14	0.07	0.00	0.25
10	27	4	0.04	0.33	0.10	0.38	0.00	0.46	0.06	0.04	0.10	0.03	0.00	0.25
10	27	5	0.02	0.45	0.10	0.38	0.00	0.52	0.07	0.02	0.07	0.01	0.00	0.26
10	27	6	0.00	0.59	0.07	0.38	0.00	0.51	0.11	0.02	0.04	0.00	0.00	0.24
10	27	7	0.00	0.51	0.02	0.38	0.00	0.48	0.12	0.00	0.03	0.00	0.00	0.19
10	27	8	0.00	0.30	0.00	0.38	0.00	0.43	0.17	0.00	0.02	0.00	0.00	0.09
10	27	9	0.00	0.25	0.00	0.32	0.00	0.20	0.16	0.00	0.00	0.00	0.00	0.00
10	27	10	0.00	0.21	0.00	0.20	0.00	0.04	0.17	0.00	0.00	0.00	0.00	0.00
10	27	11	0.00	0.18	0.00	0.13	0.00	0.04	0.21	0.00	0.00	0.00	0.00	0.00
10	27	12	0.00	0.14	0.00	0.10	0.00	0.03	0.12	0.00	0.00	0.00	0.00	0.00
10	27	13	0.00	0.11	0.00	0.08	0.00	0.04	0.06	0.00	0.00	0.00	0.00	0.00
10	27	14	0.00	0.11	0.00	0.06	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00
10	27	15	0.00	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
10	27	16	0.00	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
10	27	17	0.00	0.14	0.05	0.03	0.05	0.01	0.00	0.02	0.03	0.00	0.00	0.00
10	27	18	0.04	0.13	0.10	0.03	0.31	0.01	0.00	0.09	0.10	0.03	0.00	0.00
10	27	19	0.05	0.17	0.10	0.04	0.55	0.00	0.00	0.14	0.11	0.05	0.00	0.00
10	27	20	0.00	0.23	0.08	0.04	0.60	0.14	0.00	0.04	0.04	0.00	0.00	0.00
10	27	21	0.00	0.33	0.12	0.03	0.53	0.32	0.00	0.02	0.04	0.00	0.00	0.00
10	27	22	0.00	0.37	0.14	0.03	0.46	0.43	0.00	0.00	0.00	0.00	0.00	0.00
10	27	23	0.00	0.25	0.17	0.03	0.35	0.33	0.00	0.00	0.00	0.00	0.00	0.00
10	27	24	0.00	0.21	0.18	0.03	0.24	0.44	0.00	0.03	0.00	0.00	0.00	0.01
10	28	1	0.00	0.21	0.18	0.03	0.07	0.76	0.00	0.06	0.02	0.00	0.00	0.02
10	28	2	0.00	0.15	0.18	0.02	0.01	0.67	0.00	0.09	0.02	0.00	0.00	0.03
10	28	3	0.00	0.11	0.18	0.01	0.00	0.48	0.00	0.07	0.01	0.00	0.00	0.07
10	28	4	0.00	0.08	0.17	0.01	0.00	0.42	0.00	0.05	0.00	0.00	0.05	0.11
10	28	5	0.00	0.05	0.15	0.02	0.00	0.41	0.01	0.03	0.00	0.00	0.08	0.13
10	28	6	0.00	0.04	0.13	0.05	0.00	0.43	0.02	0.01	0.00	0.00	0.11	0.16
10	28	7	0.00	0.04	0.12	0.10	0.00	0.52	0.03	0.01	0.00	0.00	0.13	0.18
10	28	8	0.00	0.05	0.12	0.14	0.00	0.52	0.03	0.00	0.00	0.00	0.11	0.17
10	28	9	0.00	0.07	0.10	0.10	0.00	0.26	0.03	0.00	0.00	0.00	0.03	0.15
10	28	10	0.00	0.14	0.09	0.05	0.00	0.14	0.02	0.00	0.00	0.00	0.00	0.15
10	28	11	0.00	0.17	0.11	0.04	0.00	0.14	0.02	0.00	0.00	0.00	0.00	0.16
10	28	12	0.00	0.16	0.14	0.03	0.00	0.13	0.02	0.02	0.00	0.00	0.00	0.10
10	28	13	0.00	0.17	0.15	0.02	0.00	0.11	0.03	0.02	0.00	0.00	0.00	0.05
10	28	14	0.00	0.18	0.15	0.02	0.00	0.10	0.04	0.01	0.00	0.00	0.00	0.03
10	28	15	0.00	0.18	0.16	0.01	0.00	0.08	0.07	0.00	0.01	0.00	0.00	0.03
10	28	16	0.00	0.19	0.16	0.01	0.00	0.08	0.10	0.00	0.01	0.00	0.00	0.02
10	28	17	0.00	0.25	0.16	0.01	0.00	0.10	0.14	0.00	0.02	0.00	0.00	0.01
10	28	18	0.00	0.32	0.16	0.02	0.00	0.15	0.19	0.02	0.04	0.00	0.00	0.00
10	28	19	0.00	0.37	0.17	0.02	0.00	0.26	0.23	0.06	0.03	0.00	0.00	0.00
10	28	20	0.00	0.35	0.18	0.02	0.00	0.45	0.23	0.07	0.01	0.00	0.00	0.00
10	28	21	0.00	0.30	0.18	0.02	0.00	0.47	0.22	0.04	0.00	0.00	0.00	0.00
10	28	22	0.00	0.30	0.18	0.04	0.00	0.42	0.20	0.01	0.00	0.00	0.00	0.00
10	28	23	0.00	0.34	0.16	0.06	0.00	0.34	0.17	0.00	0.00	0.00	0.00	0.00
10	28	24	0.00	0.41	0.10	0.11	0.00	0.29	0.14	0.01	0.01	0.00	0.00	0.00
10	29	1	0.00	0.47	0.07	0.13	0.00	0.34	0.11	0.03	0.03	0.00	0.00	0.00
10	29	2	0.00	0.45	0.03	0.16	0.00	0.18	0.10	0.04	0.04	0.00	0.00	0.00
10	29	3	0.00	0.41	0.03	0.18	0.00	0.17	0.12	0.04	0.03	0.00	0.00	0.00
10	29	4	0.00	0.41	0.08	0.17	0.00	0.29	0.11	0.03	0.02	0.00	0.00	0.02
10	29	5	0.00	0.39	0.11	0.13	0.00	0.39	0.10	0.01	0.02	0.00	0.00	0.04
10	29	6	0.00	0.36	0.16	0.11	0.00	0.43	0.08	0.00	0.02	0.00	0.00	0.02
10	29	7	0.00	0.39	0.12	0.09	0.00	0.28	0.06	0.00	0.00	0.00	0.00	0.01
10	29	8	0.00	0.29	0.10	0.15	0.00	0.15	0.04	0.00	0.01	0.00	0.00	0.00
10	29	9	0.00	0.19	0.07	0.18	0.00	0.16	0.02	0.00	0.00	0.00	0.00	0.00
10	29	10	0.00	0.17	0.08	0.09	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
10	29	11	0.00	0.15	0.14	0.08	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00
10	29	12	0.00	0.14	0.14	0.05	0.00	0.10	0.08	0.00	0.04	0.00	0.00	0.00
10	29	13	0.06	0.15	0.09	0.06	0.00	0.13	0.22	0.05	0.12	0.05	0.00	0.00
10	29	14	0.13	0.16	0.08	0.15	0.00	0.15	0.36	0.19	0.19	0.12	0.02	0.02
10	29	15	0.23	0.19	0.06	0.15	0.00	0.48	0.40	0.34	0.29	0.22	0.11	0.04
10	29	16	0.28	0.23	0.06	0.21	0.00	0.70	0.32	0.38	0.33	0.27	0.27	0.07
10	29	17	0.33	0.39	0.04	0.28	0.03	0.19	0.21	0.35	0.38	0.32	0.36	0.21
10	29	18	0.45	0.47	0.02	0.37	0.23	0.05	0.25	0.39	0.50	0.45	0.43	0.30
10	29	19	0.54	0.49	0.02	0.29	0.52	0.00	0.38	0.59	0.58	0.53	0.49	0.27
10	29	20	0.55	0.51	0.02	0.31	0.66	0.11	0.47	0.68	0.59	0.54	0.64	0.38
10	29	21	0.47	0.57	0.02	0.29	0.67	0.29	0.50	0.54	0.51	0.46	0.77	0.65
10	29	22	0.45	0.61	0.03	0.29	0.63	0.57	0.51	0.38	0.49	0.44	0.75	0.72
10	29	23	0.44	0.66	0.05	0.28	0.64	0.71	0.53	0.31	0.48	0.43	0.72	0.77
10	29	24	0.41	0.73	0.05	0.27	0.68	0.78	0.55	0.34	0.46	0.40	0.66	0.78
10	30	1	0.42	0.83	0.06	0.24	0.71	0.78	0.56	0.37	0.46	0.41	0.60	0.74
10	30	2	0.41	0.89	0.08	0.23	0.72	0.56	0.57	0.35	0.45	0.40	0.55	0.66
10	30	3	0.35	0.90	0.09	0.28	0.73	0.51	0.58	0.38	0.40	0.34	0.55	0.64
10	30	4	0.27	0.91	0.10	0.26	0.73	0.55	0.57	0.49	0.32	0.26	0.53	0.64
10	30	5	0.35	0.93	0.12	0.24	0.69	0.46	0.57	0.59	0.40	0.34	0.60	0.61
10	30	6	0.42	0.94	0.11	0.20	0.66	0.38	0.63	0.67	0.47	0.41	0.56	0.59
10	30	7	0.31	0.94	0.08	0.15	0.62	0.53	0.65	0.68	0.36	0.31	0.52	0.68
10	30	8	0.32	0.88	0.05	0.09	0.51	0.33	0.64	0.63	0.37	0.31	0.55	0.70
10	30	9	0.33	0.83	0.00	0.05	0.32	0.15	0.60	0.57	0.38	0.32	0.52	0.67
10	30	10	0.35	0.82	0.00	0.03	0.18	0.05	0.56	0.47	0.40	0.34	0.37	0.57
10	30	11	0.35	0.77	0.00	0.02	0.07	0.05	0.54	0.38	0.40	0.34	0.36	0.53
10	30	12	0.27	0.70	0.00	0.02	0.01	0.07	0.52	0.30	0.32	0.26	0.30	0.50
10	30	13	0.17	0.63	0.00	0.02	0.00	0.07	0.53	0.26	0.23	0.16	0.27	0.47
10	30	14	0.13	0.61	0.00	0.02	0.00	0.04	0.53	0.24	0.19	0.12	0.26	0.44
10	30	15	0.10	0.54	0.00	0.02	0.00	0.03	0.55	0.22	0.16	0.09	0.29	0.42
10	30	16	0.10	0.47	0.00	0.04	0.00	0.02	0.56	0.24	0.16	0.09	0.31	0.43
10	30	17	0.16	0.51	0.00	0.07	0.05	0.03	0.59	0.33	0.22	0.15	0.35	0.44
10	30	18	0.20	0.62	0.00	0.11	0.26	0.08	0.60	0.37	0.25	0.19	0.34	0.47
10	30	19	0.37	0.74	0.00	0.13	0.43	0.10	0.61	0.35	0.42	0.36	0.27	0.43
10	30	20	0.41	0.79	0.01	0.11	0.45	0.15	0.60	0.30	0.45	0.40	0.21	0.42
10	30	21	0.38	0.82	0.06	0.10	0.43	0.26	0.60	0.27	0.43	0.37	0.17	0.38
10	30	22	0.42	0.85	0.06	0.11	0.36	0.36	0.59	0.22	0.47	0.42	0.17	0.27
10	30	23	0.36	0.80	0.05	0.13	0.29	0.26	0.58	0.14	0.41	0.36	0.18	0.10
10	30	24	0.29	0.74	0.07	0.14	0.23	0.19	0.54	0.05	0.34	0.28	0.20	0.01
10	31	1	0.26	0.70	0.10	0.15	0.14	0.29	0.51	0.01	0.31	0.25	0.22	0.01
10	31	2	0.23	0.68	0.11	0.17	0.04	0.29	0.48	0.00	0.28	0.22	0.19	0.02
10	31	3	0.18	0.70	0.11	0.19	0.00	0.22	0.46	0.00	0.24	0.17	0.17	0.04
10	31	4	0.13	0.66	0.10	0.22	0.00	0.17	0.43	0.02	0.19	0.12	0.14	0.07
10	31	5	0.14	0.56	0.09	0.23	0.00	0.11	0.36	0.06	0.20	0.13	0.11	0.10
10	31	6	0.10	0.45	0.10	0.28	0.00	0.06	0.28	0.10	0.16	0.09	0.10	0.11
10	31	7	0.11	0.50	0.11	0.31	0.00	0.05	0.20	0.14	0.17	0.10	0.11	0.12
10	31	8	0.08	0.35	0.13	0.30	0.00	0.05	0.15	0.13	0.13	0.07	0.16	0.13
10	31	9	0.05	0.22	0.12	0.23	0.00	0.04	0.13	0.09	0.10	0.04	0.15	0.14
10	31	10	0.05	0.27	0.11	0.14	0.00	0.02	0.12	0.11	0.11	0.04	0.09	0.15
10	31	11	0.05	0.45	0.10	0.13	0.00	0.05	0.11	0.10	0.11	0.04	0.04	0.15
10	31	12	0.04	0.39	0.11	0.10	0.00	0.06	0.11	0.08	0.10	0.03	0.03	0.14
10	31	13	0.04	0.34	0.10	0.07	0.00	0.09	0.13	0.04	0.10	0.03	0.01	0.11
10	31	14	0.04	0.30	0.11	0.05	0.00	0.10	0.15	0.00	0.10	0.03	0.00	0.08
10	31	15	0.04	0.27	0.11	0.04	0.00	0.11	0.20	0.00	0.10	0.03	0.00	0.05
10	31	16	0.05	0.29	0.11	0.03	0.00	0.13	0.25	0.00	0.11	0.04	0.00	0.04
10	31	17	0.07	0.30	0.13	0.02	0.00	0.14	0.32	0.00	0.13	0.06	0.00	0.03
10	31	18	0.11	0.33	0.12	0.04	0.01	0.17	0.41	0.00	0.17	0.10	0.00	0.04

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_
10	26	4	0.06	0.20	0.37	0.35	0.72	0.44	0.17	0.00	0.04	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	5	0.04	0.18	0.33	0.31	0.68	0.39	0.18	0.00	0.04	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	6	0.03	0.14	0.31	0.28	0.61	0.29	0.20	0.00	0.05	0.56	0.46	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	26	7	0.02	0.08	0.28	0.26	0.49	0.20	0.19	0.00	0.04	0.54	0.44	0.01	0.08	0.32	0.08	0.00	0.00	0.00	0.08
10	26	8	0.00	0.03	0.25	0.23	0.34	0.13	0.15	0.00	0.02	0.39	0.29	0.21	0.37	0.63	0.36	0.12	0.25	0.37	0.47
10	26	9	0.00	0.01	0.21	0.19	0.27	0.06	0.14	0.00	0.00	0.28	0.17	0.44	0.59	0.81	0.58	0.24	0.51	0.65	0.69
10	26	10	0.00	0.00	0.20	0.17	0.31	0.03	0.13	0.00	0.00	0.24	0.13	0.63	0.75	0.90	0.73	0.37	0.73	0.79	0.82
10	26	11	0.00	0.01	0.20	0.18	0.28	0.02	0.12	0.00	0.00	0.21	0.11	0.75	0.85	0.96	0.83	0.48	0.85	0.84	0.87
10	26	12	0.00	0.02	0.21	0.18	0.24	0.02	0.12	0.00	0.00	0.19	0.08	0.80	0.89	1.00	0.87	0.61	0.78	0.87	0.91
10	26	13	0.00	0.03	0.21	0.18	0.20	0.02	0.12	0.00	0.00	0.16	0.06	0.80	0.89	0.99	0.87	0.64	0.79	0.85	0.90
10	26	14	0.00	0.04	0.20	0.18	0.17	0.01	0.13	0.00	0.00	0.14	0.05	0.74	0.83	0.94	0.81	0.63	0.73	0.81	0.86
10	26	15	0.00	0.06	0.21	0.18	0.14	0.02	0.14	0.01	0.01	0.13	0.04	0.62	0.73	0.83	0.72	0.59	0.69	0.72	0.79
10	26	16	0.04	0.04	0.20	0.18	0.13	0.04	0.16	0.02	0.01	0.13	0.04	0.40	0.53	0.56	0.52	0.47	0.54	0.56	0.61
10	26	17	0.13	0.03	0.20	0.18	0.15	0.10	0.18	0.04	0.02	0.18	0.08	0.08	0.15	0.18	0.15	0.11	0.03	0.03	0.27
10	26	18	0.29	0.04	0.21	0.19	0.18	0.12	0.20	0.07	0.06	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	19	0.32	0.16	0.22	0.19	0.18	0.13	0.22	0.06	0.14	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	20	0.32	0.23	0.20	0.17	0.18	0.12	0.21	0.05	0.15	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	21	0.31	0.31	0.17	0.15	0.16	0.08	0.18	0.04	0.12	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	22	0.28	0.36	0.15	0.13	0.15	0.06	0.15	0.06	0.08	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	23	0.23	0.37	0.14	0.12	0.18	0.05	0.12	0.06	0.08	0.42	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	26	24	0.17	0.37	0.14	0.12	0.19	0.03	0.11	0.04	0.07	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	1	0.15	0.35	0.13	0.11	0.19	0.03	0.09	0.02	0.06	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	2	0.11	0.33	0.13	0.11	0.16	0.02	0.09	0.01	0.01	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	3	0.09	0.32	0.12	0.10	0.14	0.02	0.09	0.00	0.00	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	4	0.05	0.32	0.12	0.10	0.13	0.01	0.08	0.00	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	5	0.03	0.33	0.12	0.09	0.11	0.01	0.07	0.00	0.00	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	6	0.00	0.32	0.12	0.10	0.10	0.00	0.08	0.00	0.00	0.59	0.49	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	27	7	0.00	0.26	0.11	0.09	0.10	0.00	0.08	0.00	0.00	0.51	0.41	0.00	0.02	0.17	0.02	0.02	0.00	0.00	0.01
10	27	8	0.00	0.16	0.11	0.09	0.08	0.00	0.05	0.00	0.00	0.30	0.20	0.09	0.16	0.35	0.16	0.31	0.28	0.18	0.19
10	27	9	0.00	0.03	0.09	0.08	0.05	0.00	0.04	0.00	0.00	0.24	0.14	0.24	0.32	0.52	0.32	0.57	0.50	0.48	0.37
10	27	10	0.00	0.00	0.07	0.05	0.02	0.00	0.03	0.00	0.00	0.21	0.11	0.33	0.40	0.71	0.39	0.72	0.62	0.70	0.42
10	27	11	0.00	0.00	0.05	0.03	0.01	0.00	0.02	0.00	0.00	0.18	0.08	0.44	0.50	0.74	0.49	0.81	0.77	0.75	0.51
10	27	12	0.00	0.00	0.04	0.02	0.01	0.00	0.02	0.00	0.00	0.14	0.05	0.52	0.58	0.80	0.57	0.89	0.83	0.83	0.51
10	27	13	0.00	0.01	0.03	0.02	0.01	0.00	0.02	0.01	0.00	0.11	0.02	0.48	0.53	0.86	0.52	0.92	0.84	0.85	0.41
10	27	14	0.00	0.01	0.02	0.01	0.00	0.00	0.02	0.03	0.00	0.11	0.02	0.44	0.49	0.82	0.48	0.84	0.78	0.77	0.27
10	27	15	0.00	0.01	0.02	0.01	0.00	0.00	0.02	0.08	0.00	0.12	0.03	0.34	0.40	0.70	0.39	0.72	0.69	0.71	0.14
10	27	16	0.00	0.01	0.02	0.01	0.00	0.01	0.04	0.10	0.00	0.13	0.04	0.22	0.29	0.42	0.28	0.61	0.54	0.33	0.07
10	27	17	0.00	0.02	0.03	0.02	0.00	0.02	0.08	0.11	0.00	0.14	0.04	0.03	0.07	0.11	0.07	0.20	0.03	0.01	0.02
10	27	18	0.05	0.02	0.04	0.03	0.01	0.02	0.10	0.13	0.03	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	19	0.06	0.03	0.05	0.04	0.01	0.01	0.08	0.11	0.03	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	20	0.00	0.04	0.07	0.05	0.02	0.00	0.09	0.08	0.03	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	21	0.00	0.05	0.09	0.07	0.03	0.00	0.12	0.06	0.02	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	22	0.00	0.06	0.11	0.09	0.02	0.00	0.20	0.05	0.01	0.37	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	23	0.00	0.07	0.13	0.11	0.01	0.00	0.28	0.05	0.00	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	27	24	0.00	0.07	0.15	0.13	0.00	0.00	0.35	0.05	0.01	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	1	0.00	0.09	0.16	0.14	0.00	0.00	0.41	0.05	0.03	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	2	0.00	0.10	0.17	0.14	0.00	0.00	0.47	0.04	0.03	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	3	0.00	0.14	0.17	0.15	0.00	0.00	0.50	0.04	0.02	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	4	0.00	0.19	0.18	0.16	0.01	0.00	0.53	0.05	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	5	0.00	0.21	0.18	0.16	0.02	0.00	0.58	0.06	0.08	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	6	0.00	0.23	0.18	0.16	0.03	0.00	0.62	0.05	0.10	0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	28	7	0.00	0.25	0.20	0.17	0.03	0.00	0.64	0.02	0.10	0.04	0.00	0.01	0.10	0.27	0.10	0.04	0.01	0.00	0.06
10	28	8	0.00	0.25	0.21	0.19	0.04	0.00	0.62	0.00	0.07	0.05	0.00	0.23	0.39	0.52	0.39	0.40	0.30	0.31	0.41
10	28	9	0.00	0.22	0.21	0.18	0.05	0.00	0.56	0.00	0.03	0.07	0.00	0.46	0.62	0.72	0.60	0.59	0.61	0.63	0.58
10	28	10	0.00	0.22	0.16	0.14	0.05	0.00	0.60	0.00	0.01	0.14	0.04	0.64	0.77	0.85	0.75	0.65	0.78	0.80	0.77
10	28	11	0.00	0.23	0.12	0.10	0.03	0.00	0.67	0.00	0.02	0.17	0.07	0.75	0.85	0.92	0.84	0.81	0.84	0.86	0.83
10	28	12	0.00	0.18	0.10	0.08	0.01	0.00	0.69	0.00	0.03	0.16	0.06	0.80	0.88	0.92	0.86	0.76	0.86	0.88	0.84
10	28	13	0.00	0.13	0.09	0.07	0.01	0.00	0.69	0.00	0.03	0.17	0.07	0.80	0.88	0.94	0.86	0.83	0.85	0.85	0.81
10	28	14	0.00	0.10	0.10	0.08	0.01	0.00	0.66	0.00	0.03	0.18	0.07	0.74	0.83	0.87	0.81	0.74	0.83	0.84	0.81
10	28	15	0.00	0.09	0.10	0.08	0.01	0.00	0.58	0.00	0.03	0.18	0.08	0.58	0.69	0.76	0.68	0.70	0.75	0.76	0.70
10	28	16	0.00	0.09	0.12	0.10	0.01	0.00	0.45	0.00	0.03	0.19	0.09	0.37	0.49	0.50	0.48	0.60	0.56	0.59	0.53
10	28	17	0.00	0.08	0.15	0.12	0.01	0.01	0.50	0.00	0.03	0.25	0.14	0.07	0.15	0.14	0.14	0.25	0.03	0.14	0.25
10	28	18	0.00	0.06	0.18	0.16	0.02	0.01	0.56	0.00	0.05	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	19	0.00	0.04	0.20	0.18	0.02	0.02	0.57	0.00	0.06	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	20	0.00	0.02	0.22	0.20	0.03	0.06	0.56	0.00	0.12	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	21	0.00	0.02	0.25	0.23	0.03	0.09	0.53	0.00	0.15	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	22	0.00	0.01	0.26	0.24	0.03	0.09	0.52	0.01	0.14	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	23	0.00	0.01	0.27	0.25	0.04	0.06	0.53	0.02	0.12	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	28	24	0.00	0.01	0.29	0.26	0.06	0.06	0.56	0.02	0.13	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	1	0.00	0.01	0.29	0.27	0.12	0.06	0.55	0.02	0.16	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	2	0.00	0.02	0.28	0.26	0.15	0.05	0.54	0.03	0.15	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	3	0.00	0.05	0.26	0.24	0.18	0.06	0.55	0.07	0.11	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	4	0.00	0.08	0.23	0.21	0.19	0.06	0.54	0.09	0.08	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	5	0.00	0.12	0.22	0.20	0.15	0.06	0.56	0.10	0.04	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	6	0.00	0.09	0.20	0.18	0.14	0.06	0.56	0.13	0.03	0.36	0.26	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	29	7	0.00	0.08	0.15	0.12	0.15	0.07	0.56	0.15	0.04	0.39	0.28	0.00	0.02	0.24	0.02	0.02	0.01	0.00	0.02
10	29	8	0.00	0.07	0.13	0.11	0.16	0.07	0.54	0.17	0.02	0.29	0.18	0.13	0.22	0.50	0.22	0.27	0.23	0.31	0.30
10	29	9	0.00	0.04	0.12	0.10	0.13	0.06	0.47	0.14	0.00	0.19	0.09	0.26	0.35	0.64	0.34	0.38	0.40	0.58	0.40
10	29	10	0.00	0.02	0.13	0.11	0.12	0.05	0.45	0.13	0.00	0.17	0.07	0.39	0.47	0.74	0.46	0.38	0.65	0.68	0.55
10	29	11	0.00	0.01	0.16	0.14	0.08	0.06	0.47	0.16	0.01	0.15	0.05	0.45	0.51	0.68	0.50	0.39	0.61	0.72	0.61
10	29	12	0.00	0.02	0.17	0.14	0.06	0.08	0.52	0.22	0.03	0.14	0.05	0.49	0.54	0.64	0.53	0.40	0.67	0.83	0.51
10	29	13	0.07	0.06	0.12	0.10	0.14	0.14	0.57	0.41	0.05	0.15	0.05	0.54	0.59	0.60	0.58	0.35	0.72	0.75	0.56
10	29	14	0.14	0.08	0.10	0.08	0.29	0.19	0.60	0.56	0.06	0.16	0.06	0.42	0.48	0.49	0.47	0.24	0.65	0.69	0.47
10	29	15	0.24	0.10	0.08	0.06	0.25	0.21	0.54	0.59	0.09	0.19	0.08	0.29	0.34	0.38	0.33	0.21	0.40	0.31	0.38
10	29	16	0.29	0.14	0.07	0.05	0.10	0.20	0.45	0.58	0.11	0.23	0.13	0.21	0.28	0.28	0.27	0.19	0.20	0.25	0.31
10	29	17	0.34	0.29	0.07	0.05	0.05	0.20	0.47	0.48	0.17	0.39	0.28	0.04	0.09	0.05	0.09	0.06	0.02	0.10	0.15
10	29	18	0.46	0.37	0.08	0.06	0.09	0.24	0.46	0.46	0.32	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	19	0.55	0.34	0.09	0.07	0.12	0.21	0.46	0.49	0.53	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	20	0.55	0.43	0.13	0.11	0.12	0.21	0.55	0.52	0.64	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	21	0.47	0.70	0.14	0.12	0.07	0.25	0.62	0.52	0.74	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	22	0.46	0.75	0.17	0.15	0.06	0.29	0.65	0.52	0.80	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	23	0.44	0.80	0.20	0.18	0.08	0.32	0.64	0.39	0.75	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	29	24	0.42	0.80	0.16	0.14	0.12	0.35	0.56	0.25	0.68	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	1	0.42	0.77	0.17	0.15	0.16	0.42	0.46	0.16	0.69	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	2	0.41	0.69	0.16	0.14	0.18	0.49	0.43	0.14	0.70	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	3	0.36	0.68	0.15	0.13	0.14	0.54	0.46	0.18	0.64	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	4	0.28	0.68	0.16	0.13	0.12	0.56	0.49	0.16	0.56	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	5	0.36	0.66	0.12	0.10	0.15	0.56	0.51	0.15	0.49	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	6	0.43	0.63	0.09	0.07	0.13	0.53	0.52	0.13	0.45	0.94	0.93	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
10	30	7	0.32	0.72	0.09	0.07	0.11	0.48	0.54	0.10	0.35	0.94	0.92	0.01	0.09	0.25	0.09	0.00	0.01	0.00	0.04
10	30	8	0.33	0.74	0.08	0.06	0.11	0.38	0.54	0.11	0.18	0.88	0.86	0.21	0.36	0.52	0.35	0.12	0.22	0.32	0.30
10	30	9	0.34	0.71	0.08	0.06	0.22	0.24	0.60	0.07	0.10	0.83	0.80	0.41	0.55	0.68	0.54	0.19	0.41	0.64	0.49
10	30	10	0.36	0.61	0.06	0.05	0.37	0.22	0.72	0.06	0.23	0.82	0.78	0.56	0.67	0.73	0.66	0.35	0.47	0.74	0.52
10	30	11	0.36	0.58	0.06	0.04	0.35	0.24	0.75	0.07	0.43	0.77	0.72	0.69	0.78	0.79	0.76	0.48	0.60	0.81	0.52
10	30	12	0.28	0.55	0.06	0.04	0.38	0.19	0.76	0.07	0.57	0.70	0.64	0.75	0.83	0.73	0.81	0.68	0.64	0.88	0.48
10	30	13	0.18	0.52	0.06	0.04	0.37	0.14	0.82	0.07	0.64	0.63	0.56	0.75	0.83	0.71	0.81	0.66	0.72	0.88	0.56
10	30	14	0.14	0.49	0.06	0.04	0.44	0.19	0.88	0.07	0.70	0.61	0.53	0.69	0.78	0.61	0.76	0.67	0.80	0.84	0.50
10	30	15	0.11	0.48	0.05	0.04	0.53	0.12	0.87	0.08	0.75	0.54	0.46	0.58	0.68	0.55	0.67	0.73	0.74	0.76	0.49
10	30	16	0.11	0.48	0.05	0.04	0.55	0.05	0.71	0.10	0.71	0.47	0.38	0.39	0.51	0.33	0.50	0.54	0.59	0.58	0.46
10	30	17	0.17	0.50	0.06	0.04	0.50	0.08	0.65	0.12	0.53	0.51	0.42	0.10	0.18	0.07	0.18	0.28	0.14	0.33	0.23
10	30	18	0.21	0.53	0.07	0.05	0.58	0.20	0.70	0.13	0.46	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	19	0.38	0.49	0.06	0.05	0.65	0.40	0.64	0.12	0.50	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	20	0.41	0.48	0.05	0.03	0.69	0.38	0.51	0.06	0.48	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	21	0.39	0.45	0.04	0.02	0.70	0.27	0.43	0.02	0.49	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	22	0.43	0.34	0.03	0.02	0.58	0.37	0.42	0.02	0.41	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	23	0.37	0.17	0.04	0.02	0.52	0.41	0.40	0.04	0.31	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	30	24	0.29	0.08	0.04	0.03	0.48	0.33	0.33	0.05	0.26	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	1	0.27	0.08	0.04	0.03	0.39	0.25	0.24	0.06	0.19	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	2	0.24	0.09	0.05	0.03	0.31	0.21	0.18	0.04	0.10	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	3	0.19	0.11	0.05	0.03	0.24	0.16	0.12	0.04	0.06	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	4	0.14	0.14	0.05	0.04	0.16	0.10	0.09	0.06	0.02	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	5	0.15	0.18	0.06	0.04	0.10	0.12	0.06	0.07	0.01	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	31	6	0.11	0.19	0.06	0.05	0.05	0.11	0.05	0.10	0.01	0.45	0.36	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
10	31	7	0.12	0.20	0.07	0.05	0.03	0.10	0.04	0.14	0.01	0.50	0.39	0.01	0.10	0.24	0.10	0.03	0.00	0.01	0.06
10	31	8	0.09	0.20	0.08	0.06	0.02	0.08	0.03	0.15	0.00	0.35	0.24	0.24	0.41	0.58	0.40	0.43	0.13	0.32	0.39
10	31	9	0.06	0.21	0.07	0.06	0.01	0.05	0.03	0.11	0.00	0.22	0.12	0.46	0.61	0.79	0.60	0.65	0.26	0.43	0.53
10	31	10	0.06	0.22	0.05	0.03	0.00	0.05	0.04	0.08	0.00	0.27	0.16	0.62	0.74	0.90	0.72	0.73	0.24	0.64	0.69
10	31	11	0.06	0.22	0.03	0.02	0.00	0.05	0.05	0.07	0.00	0.45	0.34	0.75	0.85	0.96	0.83	0.83	0.67	0.83	0.80
10	31	12	0.05	0.21	0.03	0.02	0.00	0.06	0.05	0.04	0.01	0.39	0.29	0.81	0.90	0.99	0.88	0.86	0.84	0.89	0.82
10	31	13	0.05	0.18	0.04	0.02	0.00	0.06	0.04	0.02	0.01	0.34	0.23	0.83	0.91	1.00	0.90	0.89	0.88	0.89	0.89
10	31	14	0.05	0.15	0.04	0.02	0.00	0.07	0.05	0.01	0.00	0.30	0.19	0.77	0.87	0.93	0.85	0.83	0.85	0.84	0.87
10	31	15	0.05	0.12	0.03	0.02	0.00	0.07	0.05	0.03	0.01	0.27	0.17	0.65	0.77	0.81	0.75	0.76	0.75	0.76	0.78
10	31	16	0.06	0.11	0.03	0.02	0.00	0.07	0.08	0.07	0.03	0.29	0.18	0.40	0.53	0.51	0.52	0.58	0.58	0.57	0.56
10	31	17	0.08	0.10	0.03	0.02	0.00	0.06	0.15	0.09	0.06	0.30	0.19	0.11	0.21	0.14	0.21	0.27	0.33	0.32	0.27
10	31	18	0.12	0.11	0.04	0.03	0.00	0.08	0.18	0.12	0.01	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_	Kramer_Iny	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
10	26	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	1.00	1.00	1.00
10	26	7	0.03	0.13	0.21	0.24	0.22	0.19	0.21	0.22	0.33	0.29	0.42	0.60	1.00	1.00	1.00
10	26	8	0.33	0.56	0.60	0.56	0.57	0.51	0.57	0.56	0.63	0.61	0.69	0.86	1.00	1.00	1.00
10	26	9	0.47	0.81	0.81	0.79	0.79	0.77	0.78	0.78	0.78	0.78	0.84	0.98	1.00	1.00	1.00
10	26	10	0.64	0.93	0.93	0.90	0.93	0.88	0.91	0.92	0.85	0.87	0.92	1.00	1.00	1.00	1.00
10	26	11	0.89	0.99	0.99	0.94	0.99	0.96	0.96	0.98	0.86	0.91	0.95	1.00	1.00	1.00	1.00
10	26	12	0.97	1.00	1.00	0.98	1.00	0.97	0.98	0.99	0.92	0.94	0.96	1.00	1.00	1.00	1.00
10	26	13	0.96	1.00	0.99	0.98	0.98	0.96	0.96	0.97	0.91	0.92	0.94	1.00	1.00	1.00	1.00
10	26	14	0.92	0.99	0.91	0.94	0.93	0.89	0.87	0.92	0.87	0.87	0.89	0.95	1.00	1.00	1.00
10	26	15	0.80	0.89	0.86	0.85	0.84	0.77	0.76	0.83	0.80	0.82	0.79	0.81	1.00	1.00	1.00
10	26	16	0.61	0.69	0.66	0.61	0.61	0.58	0.53	0.61	0.60	0.66	0.53	0.29	1.00	1.00	1.00
10	26	17	0.04	0.40	0.31	0.23	0.24	0.22	0.22	0.23	0.22	0.27	0.15	0.01	1.00	1.00	1.00
10	26	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
10	26	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	26	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.00	1.00
10	27	7	0.00	0.00	0.04	0.04	0.04	0.08	0.08	0.04	0.03	0.04	0.24	0.61	1.00	1.00	1.00
10	27	8	0.11	0.00	0.09	0.15	0.25	0.23	0.32	0.24	0.17	0.16	0.39	0.87	1.00	1.00	1.00
10	27	9	0.03	0.05	0.14	0.48	0.33	0.41	0.58	0.33	0.26	0.38	0.58	1.00	1.00	1.00	1.00
10	27	10	0.06	0.03	0.13	0.12	0.37	0.83	0.65	0.37	0.47	0.51	0.78	1.00	1.00	1.00	1.00
10	27	11	0.11	0.01	0.29	0.47	0.56	0.74	0.71	0.55	0.59	0.56	0.82	1.00	1.00	1.00	1.00
10	27	12	0.28	0.48	0.11	0.57	0.67	0.71	0.67	0.66	0.72	0.60	0.82	1.00	1.00	1.00	1.00
10	27	13	0.09	0.38	0.09	0.87	0.62	0.43	0.48	0.61	0.72	0.68	0.85	1.00	1.00	1.00	1.00
10	27	14	0.02	0.58	0.22	0.64	0.51	0.53	0.41	0.51	0.67	0.60	0.79	0.97	1.00	1.00	1.00
10	27	15	0.01	0.16	0.16	0.80	0.44	0.48	0.30	0.43	0.58	0.51	0.74	0.82	1.00	1.00	1.00
10	27	16	0.00	0.11	0.10	0.64	0.39	0.34	0.34	0.39	0.30	0.39	0.46	0.32	1.00	1.00	1.00
10	27	17	0.00	0.06	0.02	0.24	0.14	0.12	0.10	0.14	0.08	0.12	0.13	0.00	1.00	1.00	1.00
10	27	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
10	27	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	27	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.16	1.00	1.00	1.00
10	28	7	0.03	0.14	0.21	0.33	0.29	0.25	0.25	0.29	0.21	0.25	0.39	0.60	1.00	1.00	1.00
10	28	8	0.39	0.53	0.56	0.62	0.62	0.54	0.60	0.62	0.48	0.54	0.66	0.87	1.00	1.00	1.00
10	28	9	0.63	0.80	0.79	0.74	0.76	0.70	0.75	0.75	0.57	0.63	0.80	1.00	1.00	1.00	1.00
10	28	10	0.78	0.94	0.91	0.90	0.87	0.78	0.84	0.87	0.69	0.72	0.87	1.00	1.00	1.00	1.00
10	28	11	0.94	0.98	0.98	0.95	0.93	0.74	0.93	0.92	0.79	0.80	0.90	1.00	1.00	1.00	1.00
10	28	12	0.92	1.00	1.00	0.97	0.95	0.84	0.95	0.94	0.62	0.85	0.91	1.00	1.00	1.00	1.00
10	28	13	0.87	1.00	0.99	0.97	0.93	0.93	0.95	0.93	0.78	0.82	0.90	1.00	1.00	1.00	1.00
10	28	14	0.87	0.92	0.91	0.90	0.89	0.89	0.87	0.89	0.73	0.79	0.83	0.96	1.00	1.00	1.00
10	28	15	0.71	0.68	0.76	0.69	0.81	0.73	0.81	0.80	0.71	0.74	0.71	0.82	1.00	1.00	1.00
10	28	16	0.44	0.40	0.54	0.55	0.55	0.55	0.62	0.55	0.48	0.56	0.47	0.41	1.00	1.00	1.00
10	28	17	0.08	0.21	0.22	0.19	0.20	0.20	0.24	0.20	0.15	0.21	0.11	0.01	1.00	1.00	1.00
10	28	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	1.00	1.00	1.00
10	28	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	28	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.16	1.00	1.00	1.00
10	29	7	0.03	0.00	0.00	0.07	0.03	0.08	0.06	0.02	0.08	0.18	0.34	0.58	1.00	1.00	1.00
10	29	8	0.49	0.11	0.03	0.22	0.29	0.38	0.33	0.29	0.16	0.41	0.60	0.85	1.00	1.00	1.00
10	29	9	0.73	0.24	0.21	0.19	0.32	0.37	0.46	0.32	0.30	0.42	0.76	0.96	1.00	1.00	1.00
10	29	10	0.87	0.54	0.35	0.30	0.33	0.38	0.47	0.33	0.49	0.42	0.84	1.00	1.00	1.00	1.00
10	29	11	0.92	0.73	0.50	0.02	0.21	0.49	0.64	0.21	0.46	0.48	0.80	1.00	1.00	1.00	1.00
10	29	12	0.80	0.74	0.40	0.09	0.31	0.74	0.68	0.31	0.26	0.37	0.82	1.00	1.00	1.00	1.00
10	29	13	0.54	0.90	0.48	0.60	0.49	0.62	0.72	0.49	0.23	0.39	0.83	0.96	1.00	1.00	1.00
10	29	14	0.26	0.93	0.65	0.45	0.15	0.32	0.66	0.14	0.24	0.38	0.66	0.93	1.00	1.00	1.00
10	29	15	0.03	0.81	0.43	0.21	0.20	0.46	0.57	0.19	0.17	0.34	0.55	0.77	1.00	1.00	1.00
10	29	16	0.13	0.59	0.32	0.25	0.19	0.39	0.55	0.19	0.21	0.27	0.34	0.34	1.00	1.00	1.00
10	29	17	0.02	0.30	0.12	0.07	0.05	0.13	0.20	0.05	0.04	0.08	0.06	0.00	1.00	1.00	1.00
10	29	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	29	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.17	1.00	1.00	1.00
10	30	7	0.00	0.12	0.23	0.33	0.29	0.25	0.23	0.29	0.11	0.23	0.37	0.60	1.00	1.00	1.00
10	30	8	0.23	0.43	0.64	0.67	0.63	0.59	0.60	0.62	0.37	0.58	0.67	0.85	1.00	1.00	1.00
10	30	9	0.41	0.66	0.83	0.81	0.79	0.74	0.80	0.79	0.48	0.74	0.80	0.98	1.00	1.00	1.00
10	30	10	0.51	0.76	0.96	0.93	0.87	0.86	0.93	0.87	0.50	0.80	0.90	1.00	1.00	1.00	1.00
10	30	11	0.82	0.92	1.00	0.96	0.96	0.89	0.97	0.95	0.56	0.83	0.92	1.00	1.00	1.00	1.00
10	30	12	0.90	0.99	0.96	0.99	0.95	0.94	0.99	0.94	0.40	0.83	0.94	1.00	1.00	1.00	1.00
10	30	13	0.91	0.94	0.98	0.96	0.94	0.87	0.98	0.93	0.55	0.83	0.94	1.00	1.00	1.00	1.00
10	30	14	0.93	0.78	0.96	0.92	0.74	0.89	0.87	0.73	0.39	0.72	0.86	0.95	1.00	1.00	1.00
10	30	15	0.84	0.71	0.89	0.76	0.67	0.77	0.58	0.67	0.39	0.62	0.72	0.80	1.00	1.00	1.00
10	30	16	0.65	0.55	0.70	0.59	0.57	0.60	0.35	0.56	0.23	0.50	0.46	0.37	1.00	1.00	1.00
10	30	17	0.25	0.25	0.28	0.20	0.19	0.21	0.11	0.19	0.03	0.18	0.12	0.00	1.00	1.00	1.00
10	30	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
10	30	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	30	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.00	1.00	1.00
10	31	7	0.02	0.15	0.25	0.31	0.27	0.28	0.23	0.27	0.24	0.28	0.33	0.34	1.00	1.00	1.00
10	31	8	0.47	0.60	0.64	0.66	0.62	0.62	0.60	0.62	0.50	0.62	0.64	0.65	1.00	1.00	1.00
10	31	9	0.73	0.82	0.82	0.82	0.82	0.82	0.78	0.81	0.70	0.79	0.82	0.81	1.00	1.00	1.00
10	31	10	0.85	0.93	0.93	0.92	0.92	0.90	0.87	0.91	0.81	0.87	0.91	0.98	1.00	1.00	1.00
10	31	11	0.92	0.97	0.98	0.97	0.96	0.90	0.88	0.95	0.88	0.88	0.93	0.98	1.00	1.00	1.00
10	31	12	0.97	1.00	1.00	0.98	0.94	0.96	0.89	0.93	0.91	0.93	0.97	0.91	1.00	1.00	1.00
10	31	13	0.97	1.00	1.00	0.98	0.95	0.94	0.95	0.95	0.93	0.93	0.93	0.96	1.00	1.00	1.00
10	31	14	0.92	0.98	0.96	0.94	0.94	0.92	0.91	0.93	0.90	0.90	0.90	0.77	1.00	1.00	1.00
10	31	15	0.82	0.89	0.88	0.85	0.84	0.82	0.83	0.84	0.81	0.83	0.80	0.59	1.00	1.00	1.00
10	31	16	0.60	0.62	0.64	0.62	0.59	0.56	0.59	0.59	0.52	0.61	0.51	0.18	1.00	1.00	1.00
10	31	17	0.30	0.29	0.25	0.21	0.21	0.19	0.22	0.20	0.13	0.22	0.11	0.00	1.00	1.00	1.00
10	31	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f(	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f(	IID_Solar_fo	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
10	31	19	0.09	0.37	0.16	0.04	0.07	0.31	0.44	0.00	0.15	0.08	0.00	0.03	0.10	0.10	0.04	0.02	0.00	0.08	0.18	0.10	0.00	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	20	0.04	0.34	0.20	0.03	0.19	0.27	0.40	0.00	0.10	0.03	0.00	0.02	0.05	0.09	0.03	0.02	0.00	0.06	0.26	0.08	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	21	0.02	0.33	0.21	0.02	0.26	0.30	0.37	0.00	0.07	0.01	0.00	0.01	0.02	0.08	0.07	0.06	0.00	0.06	0.37	0.03	0.01	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	22	0.00	0.31	0.24	0.01	0.30	0.40	0.35	0.00	0.04	0.00	0.00	0.01	0.00	0.07	0.13	0.10	0.01	0.07	0.46	0.00	0.01	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	23	0.00	0.32	0.30	0.01	0.28	0.47	0.35	0.00	0.05	0.00	0.00	0.00	0.01	0.07	0.17	0.15	0.02	0.04	0.51	0.00	0.02	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
10	31	24	0.01	0.34	0.42	0.01	0.21	0.52	0.37	0.00	0.07	0.00	0.00	0.00	0.02	0.06	0.20	0.18	0.02	0.02	0.54	0.00	0.02	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	1	0.00	0.28	0.59	0.02	0.11	0.47	0.36	0.00	0.04	0.00	0.00	0.01	0.00	0.07	0.20	0.17	0.03	0.01	0.57	0.00	0.03	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	2	0.00	0.26	0.77	0.03	0.02	0.38	0.31	0.00	0.02	0.00	0.00	0.01	0.00	0.07	0.22	0.19	0.04	0.00	0.59	0.00	0.04	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	3	0.00	0.23	0.83	0.04	0.00	0.30	0.26	0.00	0.02	0.00	0.01	0.02	0.00	0.09	0.25	0.23	0.04	0.00	0.60	0.00	0.04	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	4	0.00	0.18	0.79	0.07	0.00	0.27	0.21	0.00	0.01	0.00	0.02	0.04	0.00	0.12	0.25	0.23	0.05	0.00	0.61	0.00	0.04	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	5	0.00	0.10	0.72	0.12	0.00	0.24	0.18	0.00	0.00	0.00	0.03	0.03	0.00	0.09	0.23	0.21	0.05	0.00	0.63	0.00	0.05	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	6	0.00	0.09	0.60	0.18	0.00	0.22	0.16	0.00	0.00	0.00	0.02	0.02	0.00	0.09	0.26	0.24	0.06	0.00	0.65	0.00	0.03	0.09	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	1.00	1.00	1.00
11	1	7	0.00	0.11	0.55	0.24	0.00	0.27	0.13	0.00	0.00	0.00	0.01	0.03	0.00	0.10	0.29	0.27	0.06	0.00	0.69	0.00	0.01	0.11	0.02	0.01	0.10	0.32	0.09	0.03	0.01	0.01	0.06	0.02	0.13	0.25	0.31	0.26	0.26	0.24	0.25	0.33	0.29	0.40	0.55	1.00	1.00	1.00
11	1	8	0.00	0.07	0.47	0.31	0.00	0.27	0.10	0.00	0.00	0.00	0.01	0.02	0.00	0.09	0.26	0.24	0.04	0.00	0.71	0.00	0.00	0.07	0.00	0.23	0.41	0.68	0.40	0.48	0.20	0.23	0.41	0.36	0.59	0.64	0.66	0.64	0.63	0.62	0.63	0.66	0.64	0.70	0.88	1.00	1.00	1.00
11	1	9	0.00	0.06	0.37	0.28	0.00	0.17	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.20	0.18	0.01	0.00	0.74	0.00	0.00	0.06	0.00	0.48	0.64	0.88	0.63	0.76	0.43	0.46	0.68	0.57	0.81	0.84	0.84	0.83	0.82	0.81	0.82	0.82	0.81	0.86	1.00	1.00	1.00	1.00
11	1	10	0.00	0.07	0.36	0.23	0.00	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.12	0.01	0.00	0.82	0.00	0.00	0.07	0.00	0.66	0.79	0.96	0.77	0.89	0.59	0.61	0.82	0.77	0.90	0.96	0.95	0.93	0.92	0.92	0.93	0.91	0.89	0.94	1.00	1.00	1.00	1.00
11	1	11	0.00	0.10	0.32	0.23	0.00	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.07	0.01	0.00	0.86	0.00	0.00	0.10	0.02	0.80	0.90	0.99	0.88	0.95	0.84	0.85	0.90	0.85	1.00	1.00	0.99	0.98	0.97	0.97	0.98	0.94	0.91	0.98	1.00	1.00	1.00	1.00
11	1	12	0.00	0.15	0.25	0.22	0.00	0.19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.03	0.00	0.88	0.00	0.00	0.15	0.05	0.84	0.93	1.00	0.92	0.96	0.89	0.89	0.91	0.91	1.00	1.00	1.00	1.00	0.98	0.96	0.99	0.95	0.91	0.99	1.00	1.00	1.00	1.00
11	1	13	0.00	0.20	0.21	0.22	0.00	0.16	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.04	0.01	0.89	0.00	0.00	0.20	0.10	0.83	0.92	0.97	0.90	0.96	0.86	0.87	0.91	0.94	1.00	1.00	0.99	0.96	0.97	0.88	0.95	0.89	0.88	0.96	1.00	1.00	1.00	1.00
11	1	14	0.00	0.22	0.19	0.24	0.00	0.18	0.11	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.05	0.03	0.90	0.01	0.00	0.22	0.11	0.77	0.87	0.95	0.86	0.94	0.84	0.84	0.88	0.89	0.99	0.98	0.91	0.92	0.90	0.87	0.92	0.88	0.85	0.91	0.98	1.00	1.00	1.00
11	1	15	0.00	0.21	0.17	0.26	0.00	0.18	0.16	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.06	0.04	0.86	0.04	0.00	0.21	0.10	0.64	0.76	0.83	0.75	0.85	0.76	0.75	0.80	0.76	0.90	0.89	0.80	0.81	0.76	0.81	0.80	0.79	0.77	0.79	0.81	1.00	1.00	1.00
11	1	16	0.01	0.21	0.17	0.27	0.00	0.19	0.20	0.00	0.07	0.01	0.00	0.00	0.02	0.01	0.02	0.01	0.07	0.06	0.75	0.07	0.00	0.21	0.10	0.39	0.51	0.51	0.50	0.66	0.55	0.52	0.57	0.56	0.64	0.66	0.54	0.50	0.54	0.50	0.50	0.49	0.54	0.50	0.33	1.00	1.00	1.00
11	1	17	0.05	0.23	0.16	0.36	0.00	0.18	0.27	0.00	0.10	0.04	0.00	0.00	0.06	0.02	0.02	0.01	0.08	0.10	0.61	0.12	0.00	0.23	0.12	0.10	0.20	0.13	0.19	0.34	0.31	0.28	0.27	0.26	0.27	0.26	0.17	0.16	0.18	0.16	0.16	0.14	0.18	0.10	0.00	1.00	1.00	1.00
11	1	18	0.09	0.25	0.18	0.49	0.00	0.30	0.38	0.00	0.15	0.08	0.00	0.00	0.10	0.02	0.03	0.01	0.09	0.16	0.57	0.17	0.00	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	1	19	0.10	0.27	0.18	0.51	0.00	0.49	0.42	0.00	0.16	0.09	0.00	0.00	0.11	0.03	0.02	0.01	0.10	0.25	0.67	0.17	0.00	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	20	0.16	0.35	0.19	0.52	0.00	0.34	0.37	0.00	0.22	0.15	0.00	0.00	0.17	0.03	0.02	0.01	0.09	0.31	0.70	0.17	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	21	0.23	0.38	0.19	0.52	0.00	0.27	0.34	0.00	0.29	0.22	0.00	0.00	0.24	0.04	0.02	0.01	0.08	0.34	0.71	0.16	0.00	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	22	0.26	0.37	0.18	0.51	0.03	0.18	0.32	0.03	0.32	0.25	0.01	0.00	0.27	0.06	0.03	0.01	0.08	0.31	0.78	0.17	0.00	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	23	0.25	0.35	0.16	0.51	0.08	0.11	0.28	0.11	0.30	0.24	0.06	0.01	0.26	0.08	0.03	0.01	0.08	0.30	0.70	0.21	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	1	24	0.31	0.37	0.13	0.51	0.06	0.07	0.21	0.19	0.36	0.30	0.13	0.04	0.32	0.11	0.02	0.01	0.07	0.26	0.67	0.26	0.00	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	1	0.36	0.33	0.08	0.49	0.01	0.04	0.14	0.23	0.41	0.35	0.16	0.06	0.37	0.13	0.02	0.01	0.04	0.23	0.51	0.29	0.00	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	2	0.36	0.29	0.02	0.48	0.00	0.03	0.09	0.25	0.41	0.35	0.18	0.05	0.36	0.12	0.03	0.01	0.04	0.21	0.40	0.35	0.00	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	3	0.31	0.30	0.00	0.47	0.03	0.03	0.07	0.26	0.36	0.30	0.21	0.05	0.32	0.12	0.02	0.01	0.03	0.18	0.30	0.35	0.00	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	4	0.33	0.28	0.00	0.45	0.16	0.03	0.04	0.27	0.39	0.33	0.23	0.08	0.34	0.15	0.02	0.01	0.02	0.15	0.20	0.36	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	5	0.39	0.23	0.00	0.46	0.29	0.03	0.02	0.32	0.44	0.38	0.27	0.10	0.39	0.17	0.02	0.01	0.02	0.15	0.15	0.36	0.02	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	6	0.39	0.20	0.00	0.45	0.25	0.05	0.01	0.35	0.44	0.39	0.38	0.13	0.40	0.21	0.02	0.01	0.01	0.14	0.13	0.39	0.05	0.20	0.09	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	1.00	1.00	1.00
11	2	7	0.38	0.16	0.00	0.44	0.16	0.10	0.00	0.36	0.43	0.38	0.44	0.15	0.39	0.22	0.03	0.01	0.01	0.13	0.06	0.42	0.07	0.16	0.06	0.01	0.09	0.35	0.09	0.03	0.02	0.02	0.07	0.05	0.13	0.23	0.20	0.25	0.30	0.19	0.25	0.34	0.28	0.44	0.60	1.00	1.00	1.00
11	2	8	0.36	0.10	0.00	0.44	0.09	0.17	0.00	0.33	0.41	0.35	0.52	0.16	0.36	0.23	0.02	0.01	0.01	0.12	0.03	0.40	0.05	0.10	0.02	0.25	0.44	0.70	0.43	0.50	0.36	0.38	0.45	0.48	0.62	0.64	0.61	0.62	0.65	0.53	0.62	0.68	0.61	0.72	0.89	1.00	1.00	1.00
11	2	9	0.33	0.08	0.00	0.41	0.02	0.30	0.00	0.29	0.38	0.32	0.51	0.17	0.34	0.24	0.02	0.01	0.01	0.09	0.03	0.33	0.02	0.08	0.01	0.52	0.70	0.89	0.68	0.76	0.64	0.66	0.71	0.76	0.87	0.83	0.83	0.83	0.84	0.81	0.83	0.84	0.79	0.87	1.00	1.00	1.00	1.00
11	2	10	0.35	0.14	0.00	0.29	0.00	0.19	0.00	0.31	0.40	0.34	0.59	0.25	0.36	0.32	0.01	0.01	0.01	0.11	0.04	0.29	0.03	0.14	0.04	0.71	0.84	0.99	0.83	0.89	0.79	0.79	0.85	0.89	0.98	0.96	0.96	0.95	0.93	0.92	0.94	0.90	0.91	0.94	1.00	1.00	1.00	1.00
11	2	11	0.44	0.22	0.00	0.24	0.00	0.16	0.00	0.41	0.49	0.43	0.65	0.32	0.45	0.39	0.01	0.00	0.01	0.16	0.04	0.26	0.05	0.22	0.11	0.81	0.92	1.00	0.90	0.95	0.86	0.86	0.91	0.96	1.00	1.00	1.00	1.00	0.95	0.96	0.99	0.93	0.95	0.96	1.00	1.00	1.00	1.00
11	2	12	0.48	0.25	0.00	0.26	0.00	0.11	0.00	0.41	0.52	0.47	0.64	0.34	0.49	0.40	0.01	0.00	0.00	0.19	0.03	0.28	0.07	0.25	0.14	0.85	0.94	1.00	0.93	0.96	0.88	0.87	0.92	0.98	1.00	1.00	1.00	1.00	0.98	0.97	1.00	0.96	0.96	0.96	1.00	1.00	1.00	1.00
11	2	13	0.46	0.26	0.04	0.27	0.00	0.08	0.00	0.39	0.50	0.45	0.64	0.32	0.46	0.39	0.02	0.01	0.00	0.23	0.03	0.29	0.07	0.26	0.15	0.84	0.92	1.00	0.90	0.95	0.86	0.87	0.91	0.96	1.00	1.00	1.00	0.99	0.94	0.93	0.98	0.94	0.94	0.94	1.00	1.00	1.00	1.00
11	2	14	0.46	0.22	0.07	0.27	0.00	0.07	0.00	0.39	0.50	0.45	0.64	0.28	0.47	0.35	0.02	0.01	0.00	0.28	0.03	0.31	0.08	0.22	0.12	0.78	0.88	0.96	0.86	0.92	0.79	0.83	0.88	0.90	1.00	0.98	0.97	0.95	0.92	0.91	0.94	0.90	0.92	0.88	0.98	1.00	1.00	1.00
11	2	15	0.51	0.23	0.10	0.28	0.00	0.09	0.00	0.39	0.55	0.51	0.60	0.24	0.52	0.31	0.02	0.01	0.00	0.32	0.03	0.32	0.08	0.23	0.13	0.66	0.78	0.82	0.77	0.85	0.72	0.74	0.80	0.84	0.91	0.88	0.88	0.84	0.82	0.83	0.84	0.77	0.84	0.74	0.81	1.00	1.00	1.00
11	2	16	0.52	0.30	0.12	0.28	0.00	0.08	0.00	0.39	0.56	0.51	0.58	0.22	0.52	0.29	0.02	0.01	0.01	0.32	0.06	0.37	0.07	0.30	0.19	0.41	0.54	0.51	0.53	0.66	0.54	0.53	0.59	0.64	0.64	0.67	0.60	0.56	0.56	0.58	0.56	0.50	0.62	0.43	0.40	1.00	1.00	1.00
11	2	17	0.55	0.35	0.14	0.41	0.00	0.12	0.03	0.37	0.59	0.54	0.54	0.18	0.56	0.26	0.04	0.02	0.01	0.33	0.11	0.43	0.07	0.35	0.24	0.11	0.21	0.12	0.21	0.33	0.31	0.29	0.28	0.37	0.26	0.26	0.20	0.18	0.18	0.20	0.18	0.13	0.21	0.08	0.00	1.00	1.00	1.00
11	2	18	0.57	0.39	0.18	0.48	0.00	0.18	0.09	0.41	0.61	0.57	0.52	0.18	0.58	0.26	0.03	0.02	0.02	0.35	0.14	0.48	0.09	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	2	19	0.55	0.49	0.19	0.48	0.00	0.21	0.11	0.38	0.59	0.55	0.58	0.17	0.56	0.24	0.03	0.02	0.04	0.35	0.15	0.47	0.24	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	20	0.60	0.71	0.20	0.50	0.00	0.26	0.14	0.50	0.63	0.59	0.62	0.24	0.60	0.31	0.02	0.01	0.05	0.35	0.19	0.46	0.42	0.71	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	21	0.58	0.69	0.21	0.53	0.01	0.32	0.16	0.57	0.61	0.57	0.62	0.34	0.59	0.41	0.03	0.01	0.06	0.28	0.34	0.43	0.50	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	22	0.54	0.66	0.22	0.54	0.07	0.22	0.12	0.60	0.58	0.54	0.65	0.37	0.55	0.43	0.04	0.02	0.06	0.19	0.54	0.49	0.38	0.66	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	23	0.50	0.60	0.25	0.55	0.21	0.19	0.04	0.65	0.54	0.49	0.68	0.32	0.50	0.38	0.05	0.04	0.05	0.14	0.63	0.53	0.26	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	2	24	0.43	0.53	0.32	0.55	0.38	0.16	0.00	0.66	0.47	0.42	0.70	0.28	0.43	0.35	0.08	0.06	0.05	0.12	0.67	0.49	0.21	0.53	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	1	0.41	0.49	0.40	0.56	0.56	0.12	0.03	0.66	0.46	0.40	0.73	0.29	0.42	0.36	0.12	0.10	0.04	0.10	0.78	0.45	0.20	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	2	0.39	0.44	0.44	0.55	0.60	0.10	0.00	0.63	0.44	0.39	0.73	0.29	0.40	0.36	0.15	0.13	0.04	0.09	0.87	0.46	0.21	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	3	0.35	0.41	0.49	0.55	0.51	0.05	0.00	0.57	0.41	0.35	0.72	0.29	0.36	0.36	0.16	0.14	0.04	0.08	0.88	0.47	0.20	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	4	0.28	0.37	0.50	0.54	0.40	0.06	0.00	0.51	0.33	0.27	0.73	0.34	0.29	0.40	0.17	0.15	0.04	0.07	0.86	0.48	0.22	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	5	0.26	0.36	0.49	0.53	0.31	0.11	0.00	0.46	0.31	0.25	0.71	0.39	0.27	0.45	0.16	0.14	0.03	0.08	0.87	0.48	0.26	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	6	0.28	0.34	0.44	0.53	0.20	0.19	0.00	0.39	0.33	0.27	0.73	0.41	0.29	0.47	0.16	0.13	0.03	0.09	0.89	0.49	0.26	0.34	0.23	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	1.00	1.00	1.00
11	3	7	0.28	0.25	0.36	0.53	0.07	0.39	0.00	0.33	0.34	0.28	0.76	0.43	0.29	0.49	0.15	0.13	0.03	0.08	0.88	0.49	0.23	0.25	0.14	0.01	0.10	0.34	0.10	0.03	0.01	0.02	0.06	0.04	0.14	0.27	0.34	0.28	0.27	0.23	0.27	0.34	0.31	0.43	0.58	1.00	1.00	1.00
11	3	8	0.26	0.14	0.33	0.53	0.01	0.60	0.00	0.30	0.31	0.25	0.75	0.42	0.27	0.48	0.15	0.13	0.03	0.07	0.87	0.49	0.18	0.14	0.05	0.25	0.44	0.70	0.43	0.48	0.36	0.37	0.45	0.47	0.60	0.65	0.68	0.63	0.65	0.59	0.63	0.67	0.63	0.72	0.90	1.00	1.00	1.00
11	3	9	0.23	0.12	0.32	0.48	0.00	0.33	0.00	0.26	0.29	0.22	0.70	0.42	0.24	0.48	0.14	0.12	0.02	0.04	0.84	0.44	0.11	0.12	0.03	0.51	0.69	0.89	0.68	0.75	0.64	0.64	0.71	0.73	0.83	0.86	0.86	0.84	0.85	0.78	0.83	0.83	0.79	0.88	1.00	1.00	1.00	1.00
11	3	10	0.27	0.10	0.29	0.38	0.00	0.08	0.00	0.23	0.33	0.26	0.72	0.46	0.28	0.52	0.10	0.08	0.01	0.03	0.82	0.39	0.12	0.10	0.02	0.69	0.83	0.98	0.81	0.86	0.77	0.78	0.83	0.86	0.96	0.96	0.96	0.95	0.94	0.87	0.94	0.91	0.89	0.96	1.00	1.00	1.00	1.00
11	3	11	0.31	0.12	0.29	0.31	0.00	0.04	0.00	0.29	0.36	0.30	0.69	0.50	0.32	0.56	0.07	0.05	0.00	0.05	0.81	0.34	0.13	0.12	0.03	0.80	0.90	1.00	0.89	0.92	0.84	0.85	0.89	0.92	1.00	1.00	1.00	0.99	0.99	0.94	0.98	0.94	0.92	0.98	1.00	1.00	1.00	1.00
11	3	12	0.30	0.14	0.29	0.29	0.00	0.04	0.00	0.40	0.35	0.29	0.62	0.49	0.31	0.55	0.06	0.04	0.01	0.06	0.80	0.30	0.14	0.14	0.04	0.84	0.93	0.98	0.92	0.94	0.88	0.88	0.91	0.94	1.00	1.00	1.00	1.00	1.00	0.96	1.00	0.90	0.92	0.99	1.00	1.00	1.00	1.00
11	3	13	0.38	0.17	0.29	0.27	0.00	0.03	0.00	0.57	0.43	0.37	0.53	0.44	0.39	0.50	0.08	0.06	0.01	0.07	0.82	0.30	0.14	0.17	0.07	0.83	0.92	0.97	0.90	0.92	0.86	0.85	0.90	0.93	1.00	1.00	1.00	1.00	0.98	0.94	0.99	0.88	0.91	0.97	1.00	1.00	1.00	1.00
11	3	14	0.44	0.22	0.30	0.25	0.00	0.03	0.00	0.69	0.49	0.43	0.45	0.36	0.45	0.42	0.10	0.08	0.00	0.07	0.86	0.28	0.14	0.22	0.12	0.77	0.87	0.95	0.85	0.92	0.80	0.83	0.86	0.90	1.00	0.98	0.96	0.94	0.91	0.81	0.93	0.87	0.91	0.92	0.99	1.00	1.00	1.00
11	3	15	0.45	0.26	0.31	0.23	0.00	0.03	0.00	0.69	0.50	0.44	0.39	0.30	0.46	0.37	0.12	0.10	0.00	0.08	0.84	0.27	0.11	0.26	0.15	0.64	0.75	0.82	0.74	0.85	0.70	0.73	0.78	0.83	0.92	0.89	0.87	0.85	0.72	0.58	0.85	0.75	0.84	0.80	0.82	1.00	1.00	1.00
11	3	16	0.43	0.28	0.36	0.23	0.00	0.03	0.00	0.64	0.47	0.42	0.36	0.28	0.44	0.35	0.14	0.12	0.00	0.08	0.75	0.29	0.08	0.28	0.17	0.39	0.51	0.56	0.50	0.66	0.52	0.53	0.57	0.61	0.68	0.65	0.64	0.55	0.42	0.42	0.55	0.52	0.64	0.54	0.44	1.00	1.00	1.00
11	3	17	0.40	0.37	0.41	0.26	0.00	0.05	0.00	0.52	0.45	0.40	0.35	0.30	0.41	0.37	0.18	0.16	0.01	0.09	0.69	0.37	0.07	0.37	0.26	0.11	0.20	0.13	0.19	0.33	0.29	0.29	0.25	0.35	0.28	0.24	0.21	0.17	0.13	0.14	0.17	0.13	0.21	0.11	0.00	1.00	1.00	1.00
11	3	18	0.34	0.42	0.41	0.27	0.00	0.05	0.00	0.47	0.39	0.33	0.36	0.36	0.35	0.42	0.23	0.20	0.01	0.10	0.67	0.38	0.07	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	3	19	0.28	0.43	0.46	0.25	0.00	0.07	0.00	0.38	0.33	0.27	0.31	0.38	0.29	0.44	0.28	0.26	0.01	0.09	0.73	0.36	0.10	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	20	0.32	0.47	0.50	0.23	0.00	0.11	0.00	0.44	0.37	0.31	0.28	0.43	0.33	0.49	0.34	0.32	0.01	0.07	0.79	0.30	0.11	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	21	0.29	0.49	0.55	0.22	0.00	0.16	0.00	0.60	0.34	0.28	0.28	0.48	0.30	0.53	0.38	0.36	0.03	0.05	0.84	0.25	0.11	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	22	0.24	0.52	0.57	0.23	0.00	0.13	0.00	0.59	0.29	0.23	0.27	0.49	0.25	0.55	0.39	0.37	0.04	0.03	0.89	0.25	0.09	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	23	0.21	0.55	0.58	0.22	0.00	0.08	0.00	0.54	0.27	0.20	0.29	0.47	0.22	0.53	0.39	0.37	0.09	0.01	0.92	0.29	0.08	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	3	24	0.15	0.57	0.60	0.20	0.00	0.05	0.00	0.44	0.21	0.14	0.31	0.40	0.16	0.46	0.38	0.36	0.15	0.00	0.92	0.32	0.05	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	1	0.10	0.60	0.65	0.19	0.00	0.04	0.00	0.38	0.16	0.09	0.33	0.35	0.11	0.41	0.36	0.34	0.22	0.00	0.93	0.31	0.04	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	2	0.07	0.63	0.65	0.18	0.00	0.04	0.00	0.37	0.13	0.06	0.32	0.34	0.08	0.41	0.36	0.34	0.26	0.00	0.93	0.30	0.04	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	3	0.07	0.65	0.63	0.18	0.00	0.04	0.00	0.35	0.13	0.06	0.30	0.37	0.08	0.43	0.32	0.30	0.29	0.00	0.93	0.30	0.03	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	4	0.07	0.67	0.62	0.19	0.00	0.04	0.00	0.37	0.13	0.06	0.32	0.38	0.08	0.44	0.28	0.25	0.31	0.00	0.93	0.28	0.03	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	5	0.08	0.66	0.62	0.19	0.02	0.05	0.00	0.39	0.14	0.07	0.34	0.34	0.09	0.40	0.25	0.23	0.37	0.00	0.91	0.28	0.04	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	6	0.06	0.65	0.61	0.19	0.10	0.05	0.00	0.36	0.12	0.05	0.30	0.28	0.07	0.35	0.22	0.20	0.41	0.00	0.89	0.28	0.04	0.65	0.58	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.00	1.00	1.00
11	4	7	0.05	0.64	0.63	0.19	0.14	0.09	0.00	0.33	0.11	0.04	0.26	0.26	0.06	0.33	0.20	0.18	0.43	0.00	0.87	0.25	0.05	0.64	0.57	0.01	0.07	0.33	0.07	0.02	0.01	0.02	0.04	0.02	0.14	0.20	0.26	0.22	0.10	0.13	0.21	0.31	0.28	0.41	0.59	1.00	1.00	1.00
11	4	8	0.02	0.62	0.66	0.20	0.09	0.13	0.00	0.26	0.07	0.01	0.22	0.23	0.02	0.30	0.19	0.17	0.46	0.00	0.87	0.20	0.04	0.62	0.54	0.20	0.36	0.67	0.35	0.46	0.34	0.36	0.36	0.39	0.51	0.55	0.57	0.49	0.39	0.40	0.49	0.63	0.61	0.70	0.88	1.00	1.00	1.00
11	4	9	0.00	0.58	0.56	0.19	0.02	0.17	0.00	0.18	0.03	0.00	0.10	0.16	0.00	0.23	0.20	0.17	0.44	0.00	0.89	0.10	0.01	0.58	0.50	0.45	0.60	0.87	0.59	0.74	0.61	0.63	0.67	0.59	0.74	0.71	0.79	0.59	0.60	0.74	0.58	0.82	0.76	0.85	1.00	1.00	1.00	1.00
11	4	10	0.00	0.60	0.43	0.10	0.00	0.09	0.00	0.12	0.01	0.00	0.03	0.10	0.00	0.17	0.16	0.14	0.39	0.00	0.90	0.04	0.00	0.60	0.52	0.61	0.74	0.95	0.72	0.88	0.75	0.74	0.81	0.69	0.80	0.81	0.84	0.72	0.76	0.83	0.72	0.90	0.79	0.94	1.00	1.00	1.00	1.00
11	4	11	0.00	0.65	0.37	0.06	0.00	0.03	0.00	0.10	0.00	0.00	0.01	0.07	0.00	0.14	0.13	0.11	0.34	0.00	0.93	0.01	0.01	0.65	0.58	0.71	0.81	0.99	0.79	0.93	0.83	0.80	0.82	0.80	0.91	0.88	0.88	0.71	0.83	0.84	0.71	0.92	0.85	0.95	1.00	1.00	1.00	1.00
11	4	12	0.00	0.70	0.35	0.05	0.00	0.03	0.00	0.08	0.00	0.00	0.00	0.04	0.00	0.11	0.10	0.08	0.29	0.00	0.97	0.00	0.02	0.70	0.64	0.74	0.82	0.99	0.81	0.94	0.86	0.78	0.86	0.84	0.98	0.81	0.89	0.82	0.78	0.77	0.81	0.87	0.90	0.95	1.00	1.00	1.00	1.00
11	4	13	0.00	0.75	0.29	0.03	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.01	0.00	0.08	0.08	0.07	0.25	0.00	0.98	0.00	0.03	0.75	0.69	0.71	0.78	0.94	0.77	0.91	0.84	0.63	0.83	0.82	0.94	0.72	0.69	0.76	0.88	0.82	0.75	0.86	0.80	0.90	1.00	1.00	1.00	1.00
11	4	14	0.00	0.80	0.24	0.02	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0.07	0.05	0.20	0.00	0.98	0.00	0.03	0.80	0.76	0.61	0.69	0.90	0.68	0.91	0.62	0.79	0.81	0.90	0.87	0.61	0.55	0.59	0.68	0.52	0.58	0.83	0.74	0.86	0.96	1.00	1.00	1.00
11	4	15	0.00	0.82	0.21	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.03	0.16	0.00	0.96	0.00	0.03	0.82	0.77	0.47	0.56	0.75	0.55	0.82	0.64	0.72	0.73	0.83	0.59	0.54	0.45	0.45	0.28	0.42	0.44	0.59	0.67	0.74	0.79	1.00	1.00	1.00
11	4	16	0.00	0.80	0.13	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.02	0.17	0.00	0.94	0.00	0.02	0.80	0.76	0.28	0.37	0.49	0.36	0.63	0.48	0.52	0.52	0.63	0.15	0.27	0.33	0.30	0.30	0.34	0.30	0.41	0.48	0.41	0.45	1.00	1.00	1.00
11	4	17	0.00	0.83	0.05	0.01	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.03	0.02	0.20	0.00	0.93	0.01	0.00	0.83	0.79	0.07	0.13	0.09	0.13	0.30	0.26	0.27	0.22	0.36	0.04	0.08	0.06	0.06	0.05	0.07	0.06	0.05	0.14	0.06	0.00	1.00	1.00	1.00
11	4	18	0.00	0.83	0.02	0.02	0.00	0.13	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.13	0.03	0.02	0.22	0.00	0.95	0.01	0.00	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	19	0.00	0.82	0.04	0.03	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.01	0.00	0.19	0.00	0.94	0.00	0.00	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	20	0.00	0.81	0.06	0.03	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.01	0.00	0.17	0.00	0.88	0.00	0.00	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	21	0.00	0.81	0.04	0.04	0.00	0.18	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.10	0.01	0.00	0.14	0.00	0.82	0.00	0.00	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	22	0.00	0.81	0.01	0.06	0.00	0.16	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.08	0.01	0.00	0.10	0.00	0.78	0.00	0.00	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	23	0.00	0.81	0.01	0.10	0.00	0.12	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.02	0.01	0.07	0.00	0.79	0.00	0.00	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	4	24	0.00	0.83	0.03	0.14	0.00	0.11	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.03	0.02	0.01	0.04	0.00	0.75	0.01	0.00	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	1	0.00	0.84	0.03	0.17	0.00	0.10	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.03	0.00	0.67	0.01	0.00	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	2	0.00	0.85	0.01	0.20	0.00	0.11	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.02	0.02	0.01	0.02	0.00	0.56	0.02	0.00	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	3	0.00	0.85	0.00	0.22	0.00	0.14	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.03	0.02	0.01	0.01	0.00	0.53	0.03	0.00	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	4	0.00	0.85	0.00	0.23	0.00	0.15	0.00	0.10	0.03	0.00	0.00	0.00	0.00	0.05	0.03	0.02	0.01	0.00	0.50	0.04	0.00	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	5	0.00	0.85	0.00	0.24	0.00	0.14	0.00	0.16	0.03	0.00	0.01	0.00	0.00	0.06	0.03	0.02	0.01	0.00	0.39	0.04	0.00	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	6	0.00	0.83	0.02	0.24	0.00	0.13	0.00	0.19	0.04	0.00	0.01	0.00	0.00	0.05	0.04	0.03	0.01	0.00	0.31	0.05	0.00	0.83	0.79	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.00	1.00	1.00
11	5	7	0.01	0.72	0.08	0.24	0.00	0.12	0.00	0.25	0.07	0.00	0.01	0.00	0.02	0.04	0.04	0.03	0.01	0.00	0.20	0.05	0.00	0.72	0.65	0.01	0.10	0.32	0.09	0.02	0.01	0.02	0.07	0.02	0.15	0.23	0.32	0.29	0.27	0.18	0.29	0.29	0.30	0.40	0.55	1.00	1.00	1.00
11	5	8	0.01	0.42	0.06	0.24	0.00	0.13	0.00	0.28	0.06	0.00	0.01	0.00	0.02	0.04	0.05	0.03	0.00	0.00	0.10	0.04	0.00	0.42	0.32	0.23	0.40	0.65	0.40	0.46	0.34	0.37	0.46	0.27	0.58	0.60	0.66	0.63	0.56	0.45	0.62	0.58	0.63	0.68	0.80	1.00	1.00	1.00
11	5	9	0.00	0.18	0.01	0.21	0.00	0.14	0.00	0.19	0.03	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.06	0.02	0.00	0.18	0.08	0.46	0.61	0.83	0.60	0.73	0.63	0.64	0.70	0.41	0.82	0.82	0.78	0.73	0.63	0.61	0.73	0.73	0.79	0.83	0.96	1.00	1.00	1.00
11	5	10	0.00	0.09	0.00	0.10	0.00	0.07	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.02	0.00	0.00	0.05	0.00	0.00	0.09	0.01	0.59	0.71	0.93	0.70	0.86	0.78	0.77	0.81	0.51	0.96	0.92	0.73	0.78	0.62	0.62	0.77	0.82	0.86	0.92	1.00	1.00	1.00	1.00
11	5	11	0.00	0.12	0.00	0.05	0.00	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.00	0.00	0.05	0.00	0.01	0.12	0.03	0.73	0.83	0.96	0.81	0.93	0.85	0.84	0.88	0.59	0.97	0.98	0.93	0.90	0.81	0.82	0.90	0.85	0.90	0.95	1.00	1.00	1.00	1.00
11	5	12	0.00	0.17	0.00	0.04	0.00	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.02	0.00	0.00	0.04	0.00	0.03	0.17	0.07	0.77	0.86	0.96	0.84	0.94	0.85	0.85	0.89	0.71	1.00	0.98	0.96	0.86	0.80	0.84	0.86	0.86	0.89	0.93	1.00	1.00	1.00	1.00
11	5	13	0.00	0.19	0.00	0.03	0.00	0.03	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.04	0.03	0.02	0.00	0.00	0.04	0.00	0.05	0.19	0.08	0.76	0.83	0.94	0.82	0.92	0.85	0.85	0.89	0.71	1.00	1.00	0.96	0.90	0.57	0.78	0.89	0.87	0.87	0.93	1.00	1.00	1.00	1.00
11	5	14	0.00	0.16	0.00	0.03	0.00	0.03	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.04	0.03	0.02	0.00	0.01	0.04	0.00	0.07	0.16	0.06	0.70	0.78	0.91	0.77	0.88	0.82	0.82	0.84	0.70	0.96	0.95	0.89	0.67	0.73	0.68	0.66	0.88	0.83	0.87	0.95	1.00	1.00	1.00
11	5	15	0.00	0.18	0.01	0.02	0.00	0.04	0.00	0.03	0.05	0.00	0.00	0.00	0.01	0.03	0.03	0.02	0.00	0.02	0.03	0.00	0.07	0.18	0.08	0.57	0.67	0.77	0.66	0.79	0.72	0.72	0.76	0.66	0.83	0.87	0.61	0.59	0.65	0.64	0.59	0.75	0.72	0.77	0.79	1.00	1.00	1.00
11	5	16	0.01	0.26	0.01	0.02	0.00	0.05	0.00	0.01	0.07	0.01	0.00	0.00	0.02	0.03	0.03	0.02	0.00	0.03	0.02	0.00	0.06	0.26	0.15	0.34	0.45	0.49	0.44	0.59	0.51	0.52	0.56	0.55	0.64	0.65	0.41	0.36	0.35	0.37	0.36	0.42	0.53	0.45	0.45	1.00	1.00	1.00
11	5	17	0.04	0.36	0.04	0.04	0.00	0.07	0.00	0.00	0.10	0.03	0.00	0.00	0.05	0.03	0.03	0.02	0.00	0.04	0.02	0.00	0.06	0.36	0.25	0.08	0.16	0.10	0.16	0.27	0.27	0.25	0.23	0.29	0.25	0.23	0.09	0.10	0.09	0.11	0.10	0.09	0.16	0.08	0.00	1.00	1.00	1.00
11	5	18	0.06	0.39	0.09	0.04	0.00	0.09	0.00	0.01	0.12	0.05	0.00	0.00	0.07	0.03	0.04	0.02	0.00	0.03	0.02	0.00	0.04	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	5	19	0.03	0.46	0.11	0.04	0.00	0.13	0.00	0.03	0.09	0.02	0.00	0.00	0.04	0.03	0.03	0.02	0.01	0.01	0.03	0.00	0.02	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	20	0.01	0.51	0.07	0.04	0.00	0.18	0.01	0.03	0.07	0.00	0.00	0.00	0.02	0.02	0.03	0.02	0.01	0.01	0.04	0.00	0.02	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	21	0.00	0.56	0.04	0.05	0.00	0.22	0.01	0.02	0.04	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.01	0.00	0.04	0.00	0.02	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	22	0.00	0.52	0.02	0.05	0.00	0.23	0.02	0.02	0.04	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.01	0.00	0.05	0.00	0.02	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	23	0.00	0.51	0.00	0.06	0.00	0.19	0.02	0.05	0.04	0.00	0.00	0.00	0.00	0.02	0.03	0.01	0.01	0.00	0.06	0.00	0.02	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	5	24	0.00	0.45	0.00	0.07	0.00	0.18	0.01	0.07	0.05	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.05	0.00	0.05	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	1	0.01	0.37	0.00	0.09	0.00	0.17	0.01	0.10	0.06	0.00	0.00	0.00	0.02	0.02	0.02	0.01	0.00	0.00	0.04	0.01	0.06	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	2	0.01	0.33	0.00	0.11	0.00	0.14	0.02	0.14	0.07	0.00	0.00	0.00	0.02	0.01	0.02	0.01	0.00	0.00	0.04	0.01	0.06	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	3	0.01	0.25	0.00	0.13	0.00	0.09	0.02	0.17	0.07	0.00	0.00	0.00	0.02	0.03	0.02	0.01	0.00	0.00	0.04	0.03	0.05	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	4	0.00	0.20	0.00	0.15	0.00	0.09	0.02	0.20	0.05	0.00	0.00	0.00	0.01	0.04	0.02	0.01	0.00	0.00	0.04	0.04	0.03	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	5	0.00	0.23	0.00	0.17	0.00	0.09	0.01	0.21	0.04	0.00	0.00	0.01	0.00	0.07	0.02	0.01	0.00	0.00	0.05	0.05	0.02	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	6	0.00	0.20	0.00	0.18	0.00	0.11	0.01	0.24	0.05	0.00	0.00	0.03	0.00	0.10	0.03	0.02	0.00	0.00	0.06	0.07	0.02	0.20	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
11	6	7	0.01	0.13	0.00	0.18	0.00	0.12	0.00	0.28	0.06	0.00	0.00	0.04	0.02	0.11	0.04	0.02	0.00	0.00	0.07	0.06	0.01	0.13	0.04	0.01	0.09	0.30	0.09	0.02	0.01	0.01	0.06	0.02	0.13	0.27	0.32	0.26	0.25	0.21	0.26	0.33	0.30	0.37	0.36	1.00	1.00	1.00
11	6	8	0.02	0.10	0.00	0.19	0.00	0.11	0.00	0.28	0.07	0.01	0.00	0.05	0.03	0.12	0.04	0.02	0.00	0.00	0.07	0.04	0.00	0.10	0.02	0.23	0.41	0.65	0.40	0.46	0.24	0.29	0.44	0.30	0.59	0.65	0.64	0.63	0.59	0.58	0.63	0.65	0.62	0.66	0.73	1.00	1.00	1.00
11	6	9	0.00	0.09	0.00	0.17	0.00	0.09	0.00	0.21	0.04	0.00	0.00	0.04	0.00	0.11	0.04	0.03	0.00	0.00	0.05	0.02	0.00	0.09	0.01	0.48	0.64	0.83	0.63	0.74	0.51	0.56	0.67	0.49	0.82	0.86	0.83	0.83	0.76	0.77	0.82	0.81	0.78	0.82	0.83	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
11	6	10	0.00	0.10	0.03	0.10	0.00	0.04	0.00	0.12	0.00	0.00	0.00	0.03	0.00	0.10	0.04	0.02	0.00	0.00	0.04	0.00	0.00	0.10	0.01	0.66	0.79	0.94	0.77	0.85	0.71	0.73	0.82	0.62	0.95	0.97	0.93	0.92	0.85	0.92	0.91	0.89	0.87	0.91	0.94	1.00	1.00	1.00
11	6	11	0.00	0.10	0.03	0.05	0.00	0.04	0.00	0.12	0.00	0.00	0.00	0.04	0.00	0.11	0.03	0.01	0.00	0.00	0.06	0.00	0.00	0.10	0.01	0.77	0.87	0.97	0.85	0.91	0.80	0.81	0.89	0.73	1.00	1.00	0.98	0.97	0.87	0.97	0.96	0.92	0.91	0.94	0.92	1.00	1.00	1.00
11	6	12	0.00	0.10	0.02	0.04	0.00	0.04	0.00	0.13	0.00	0.00	0.00	0.04	0.00	0.11	0.02	0.01	0.00	0.00	0.09	0.00	0.00	0.10	0.02	0.82	0.91	1.00	0.89	0.94	0.83	0.86	0.90	0.77	1.00	1.00	0.99	0.98	0.94	0.99	0.97	0.90	0.94	0.96	0.99	1.00	1.00	1.00
11	6	13	0.00	0.12	0.01	0.04	0.00	0.07	0.00	0.12	0.02	0.00	0.01	0.03	0.00	0.10	0.02	0.01	0.00	0.00	0.13	0.00	0.00	0.12	0.03	0.82	0.90	0.96	0.89	0.93	0.82	0.86	0.90	0.84	1.00	1.00	0.97	0.97	0.92	0.98	0.96	0.87	0.93	0.92	0.95	1.00	1.00	1.00
11	6	14	0.00	0.15	0.00	0.03	0.00	0.06	0.00	0.12	0.04	0.00	0.01	0.03	0.00	0.10	0.02	0.01	0.00	0.00	0.17	0.00	0.00	0.15	0.05	0.77	0.87	0.91	0.85	0.90	0.80	0.82	0.86	0.89	0.99	0.95	0.93	0.92	0.90	0.92	0.91	0.87	0.89	0.88	0.87	1.00	1.00	1.00
11	6	15	0.01	0.17	0.00	0.03	0.00	0.08	0.00	0.12	0.06	0.00	0.00	0.03	0.02	0.10	0.02	0.01	0.00	0.01	0.16	0.00	0.00	0.17	0.07	0.63	0.75	0.78	0.73	0.81	0.71	0.71	0.77	0.75	0.88	0.87	0.81	0.82	0.81	0.80	0.82	0.80	0.81	0.75	0.68	1.00	1.00	1.00
11	6	16	0.03	0.18	0.01	0.03	0.00	0.08	0.00	0.12	0.09	0.02	0.00	0.03	0.04	0.10	0.03	0.02	0.00	0.02	0.19	0.00	0.00	0.18	0.07	0.37	0.49	0.48	0.48	0.61	0.49	0.45	0.56	0.51	0.57	0.63	0.51	0.56	0.52	0.52	0.56	0.45	0.57	0.46	0.37	1.00	1.00	1.00
11	6	17	0.07	0.19	0.05	0.04	0.00	0.09	0.00	0.15	0.12	0.06	0.00	0.04	0.07	0.11	0.04	0.03	0.00	0.02	0.29	0.00	0.01	0.19	0.09	0.08	0.16	0.09	0.16	0.28	0.24	0.19	0.22	0.25	0.21	0.22	0.14	0.17	0.16	0.17	0.17	0.09	0.17	0.07	0.00	1.00	1.00	1.00
11	6	18	0.09	0.21	0.03	0.05	0.00	0.14	0.00	0.30	0.15	0.08	0.01	0.05	0.10	0.12	0.05	0.03	0.00	0.02	0.48	0.00	0.02	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	19	0.07	0.28	0.03	0.07	0.00	0.13	0.01	0.37	0.13	0.06	0.01	0.05	0.08	0.12	0.06	0.04	0.00	0.01	0.65	0.01	0.04	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	20	0.04	0.40	0.05	0.09	0.00	0.15	0.00	0.36	0.09	0.03	0.00	0.06	0.05	0.13	0.07	0.05	0.00	0.00	0.76	0.01	0.04	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	21	0.04	0.42	0.07	0.11	0.00	0.17	0.00	0.38	0.10	0.03	0.00	0.07	0.05	0.14	0.09	0.07	0.01	0.00	0.81	0.02	0.02	0.42	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	22	0.08	0.44	0.09	0.11	0.00	0.23	0.00	0.44	0.14	0.07	0.00	0.07	0.09	0.14	0.10	0.08	0.01	0.00	0.84	0.02	0.00	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	23	0.08	0.48	0.12	0.15	0.00	0.19	0.00	0.50	0.14	0.07	0.00	0.06	0.09	0.14	0.12	0.09	0.02	0.00	0.87	0.02	0.00	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	6	24	0.08	0.56	0.16	0.19	0.00	0.15	0.00	0.52	0.13	0.07	0.00	0.04	0.09	0.11	0.13	0.11	0.03	0.00	0.91	0.02	0.00	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	1	0.09	0.61	0.16	0.22	0.00	0.12	0.00	0.53	0.15	0.08	0.00	0.01	0.10	0.07	0.14	0.12	0.05	0.00	0.92	0.03	0.00	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	2	0.11	0.64	0.15	0.29	0.00	0.10	0.00	0.55	0.17	0.10	0.00	0.00	0.12	0.04	0.15	0.13	0.07	0.00	0.93	0.04	0.00	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	3	0.13	0.63	0.12	0.32	0.00	0.08	0.00	0.57	0.18	0.12	0.00	0.00	0.14	0.03	0.15	0.13	0.08	0.00	0.93	0.04	0.00	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	4	0.11	0.62	0.12	0.34	0.00	0.05	0.00	0.54	0.17	0.10	0.00	0.00	0.12	0.02	0.14	0.12	0.10	0.00	0.94	0.03	0.00	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	5	0.09	0.65	0.14	0.36	0.00	0.04	0.00	0.51	0.15	0.08	0.00	0.00	0.10	0.03	0.11	0.09	0.13	0.00	0.93	0.02	0.00	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	6	0.09	0.70	0.13	0.37	0.00	0.02	0.00	0.51	0.15	0.08	0.00	0.00	0.10	0.02	0.08	0.06	0.16	0.00	0.94	0.02	0.00	0.70	0.63	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.00	1.00	1.00
11	7	7	0.09	0.73	0.12	0.35	0.00	0.01	0.00	0.51	0.15	0.08	0.00	0.00	0.10	0.04	0.06	0.04	0.18	0.00	0.96	0.02	0.00	0.73	0.67	0.01	0.09	0.28	0.09	0.01	0.01	0.01	0.06	0.02	0.11	0.26	0.28	0.26	0.23	0.22	0.26	0.28	0.27	0.32	0.49	1.00	1.00	1.00
11	7	8	0.08	0.73	0.12	0.35	0.00	0.00	0.00	0.47	0.14	0.07	0.00	0.00	0.09	0.04	0.05	0.03	0.19	0.00	0.97	0.01	0.00	0.73	0.68	0.23	0.40	0.62	0.40	0.43	0.32	0.27	0.43	0.31	0.56	0.64	0.63	0.62	0.57	0.59	0.62	0.57	0.61	0.58	0.80	1.00	1.00	1.00
11	7	9	0.03	0.70	0.09	0.31	0.00	0.00	0.00	0.35	0.09	0.02	0.00	0.00	0.04	0.02	0.04	0.03	0.19	0.00	0.97	0.00	0.00	0.70	0.65	0.48	0.64	0.84	0.62	0.72	0.59	0.51	0.68	0.53	0.79	0.83	0.82	0.82	0.75	0.77	0.81	0.76	0.78	0.77	1.00	1.00	1.00	1.00
11	7	10	0.00	0.74	0.03	0.16	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.17	0.00	0.95	0.00	0.00	0.74	0.69	0.65	0.78	0.94	0.77	0.85	0.73	0.73	0.80	0.66	0.90	0.93	0.91	0.92	0.84	0.88	0.92	0.87	0.87	0.85	1.00	1.00	1.00	1.00
11	7	11	0.00	0.79	0.01	0.08	0.00	0.00	0.00	0.22	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.01	0.13	0.00	0.91	0.00	0.00	0.79	0.74	0.76	0.87	1.00	0.85	0.91	0.82	0.80	0.88	0.85	0.95	0.97	0.96	0.96	0.89	0.92	0.95	0.92	0.90	0.90	1.00	1.00	1.00	1.00
11	7	12	0.00	0.80	0.01	0.05	0.00	0.00	0.00	0.17	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.10	0.00	0.87	0.00	0.01	0.80	0.75	0.80	0.89	1.00	0.87	0.94	0.84	0.85	0.89	0.85	0.95	0.98	0.99	0.98	0.87	0.92	0.97	0.93	0.92	0.94	1.00	1.00	1.00	1.00
11	7	13	0.00	0.79	0.01	0.04	0.00	0.00	0.00	0.12	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.07	0.00	0.85	0.00	0.01	0.79	0.74	0.81	0.89	0.97	0.87	0.91	0.82	0.85	0.89	0.88	1.00	0.98	0.98	0.96	0.89	0.89	0.95	0.90	0.90	0.91	1.00	1.00	1.00	1.00
11	7	14	0.00	0.78	0.03	0.02	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.06	0.00	0.83	0.00	0.01	0.78	0.73	0.75	0.85	0.90	0.83	0.87	0.79	0.81	0.85	0.90	0.97	0.93	0.93	0.90	0.87	0.83	0.89	0.84	0.88	0.84	0.95	1.00	1.00	1.00
11	7	15	0.00	0.77	0.05	0.01	0.00	0.01	0.00	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.05	0.00	0.76	0.01	0.01	0.77	0.73	0.62	0.73	0.77	0.71	0.80	0.71	0.72	0.77	0.83	0.83	0.85	0.84	0.76	0.67	0.73	0.75	0.71	0.78	0.71	0.76	1.00	1.00	1.00
11	7	16	0.00	0.83	0.06	0.01	0.00	0.02	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.06	0.00	0.71	0.09	0.02	0.83	0.80	0.36	0.48	0.48	0.47	0.57	0.50	0.50	0.53	0.57	0.63	0.62	0.50	0.48	0.43	0.46	0.48	0.37	0.56	0.48	0.45	1.00	1.00	1.00
11	7	17	0.00	0.91	0.05	0.00	0.00	0.05	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.07	0.00	0.75	0.16	0.05	0.91	0.88	0.07	0.15	0.09	0.15	0.24	0.23	0.20	0.20	0.27	0.24	0.22	0.13	0.13	0.11	0.13	0.13	0.08	0.16	0.08	0.00	1.00	1.00	1.00
11	7	18	0.00	0.91	0.07	0.00	0.00	0.09	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.11	0.00	0.76	0.09	0.10	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	7	19	0.00	0.88	0.08	0.01	0.04	0.15	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.11	0.00	0.76	0.06	0.05	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	20	0.00	0.84	0.05	0.01	0.14	0.15	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.02	0.13	0.01	0.76	0.02	0.02	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	21	0.00	0.79	0.00	0.02	0.23	0.17	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.04	0.02	0.19	0.01	0.78	0.00	0.01	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	22	0.00	0.77	0.00	0.02	0.33	0.22	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.05	0.03	0.25	0.01	0.82	0.00	0.02	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	23	0.00	0.79	0.06	0.01	0.40	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.31	0.02	0.84	0.00	0.02	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	7	24	0.00	0.81	0.08	0.01	0.42	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.37	0.03	0.84	0.00	0.01	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	1	0.00	0.86	0.09	0.02	0.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.40	0.03	0.84	0.00	0.00	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	2	0.00	0.91	0.09	0.02	0.45	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.38	0.02	0.85	0.00	0.01	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	3	0.00	0.93	0.08	0.02	0.48	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.36	0.03	0.86	0.00	0.01	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	4	0.00	0.93	0.06	0.02	0.53	0.18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.34	0.03	0.86	0.00	0.02	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	5	0.00	0.91	0.04	0.02	0.59	0.21	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.35	0.04	0.86	0.00	0.02	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	6	0.00	0.91	0.04	0.02	0.63	0.24	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.35	0.05	0.86	0.00	0.01	0.91	0.89	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.00	1.00	1.00
11	8	7	0.00	0.88	0.05	0.02	0.61	0.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.36	0.05	0.88	0.00	0.01	0.88	0.85	0.01	0.07	0.31	0.06	0.01	0.00	0.00	0.06	0.01	0.09	0.19	0.10	0.19	0.23	0.19	0.18	0.26	0.28	0.38	0.54	1.00	1.00	1.00
11	8	8	0.00	0.80	0.02	0.02	0.54	0.20	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.12	0.10	0.37	0.06	0.89	0.00	0.02	0.80	0.75	0.19	0.34	0.64	0.33	0.43	0.23	0.21	0.42	0.23	0.38	0.49	0.46	0.54	0.60	0.53	0.54	0.59	0.60	0.67	0.83	1.00	1.00	1.00
11	8	9	0.00	0.69	0.00	0.02	0.33	0.10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.12	0.10	0.35	0.05	0.89	0.00	0.00	0.69	0.64	0.42	0.56	0.83	0.55	0.71	0.37	0.57	0.66	0.34	0.65	0.71	0.63	0.75	0.74	0.75	0.75	0.72	0.77	0.84	0.98	1.00	1.00	1.00
11	8	10	0.00	0.67	0.00	0.01	0.10	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.31	0.03	0.85	0.00	0.00	0.67	0.60	0.58	0.70	0.92	0.68	0.84	0.58	0.73	0.77	0.32	0.76	0.80	0.83	0.87	0.88	0.82	0.86	0.81	0.84	0.91	1.00	1.00	1.00	1.00
11	8	11	0.00	0.66	0.00	0.01	0.01	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.27	0.04	0.81	0.00	0.00	0.66	0.59	0.70	0.80	0.98	0.78	0.91	0.62	0.79	0.81	0.39	0.95	0.96	0.95	0.94	0.97	0.82	0.94	0.88	0.89	0.96	1.00	1.00	1.00	1.00
11	8	12	0.00	0.62	0.00	0.01	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.08	0.06	0.22	0.05	0.76	0.00	0.00	0.62	0.54	0.75	0.83	1.00	0.82	0.92	0.70	0.80	0.77	0.52	0.98	0.95	0.97	0.97	0.99	0.90	0.96	0.92	0.90	0.97	1.00	1.00	1.00	1.00
11	8	13	0.00	0.55	0.00	0.01	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.17	0.06	0.73	0.00	0.00	0.55	0.47	0.74	0.82	0.97	0.81	0.86	0.65	0.64	0.77	0.67	0.99	0.97	0.94	0.96	0.97	0.90	0.95	0.90	0.89	0.95	1.00	1.00	1.00	1.00
11	8	14	0.00	0.52	0.00	0.01	0.00	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.15	0.06	0.70	0.00	0.00	0.52	0.44	0.67	0.75	0.93	0.74	0.78	0.72	0.69	0.69	0.46	0.89	0.84	0.90	0.88	0.89	0.85	0.87	0.86	0.85	0.89	0.95	1.00	1.00	1.00
11	8	15	0.00	0.55	0.00	0.02	0.04	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.11	0.09	0.12	0.06	0.64	0.02	0.00	0.55	0.46	0.48	0.57	0.80	0.56	0.59	0.55	0.42	0.55	0.29	0.54	0.78	0.72	0.69	0.73	0.80	0.69	0.77	0.75	0.77	0.76	1.00	1.00	1.00
11	8	16	0.00	0.57	0.00	0.03	0.16	0.03	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.11	0.06	0.56	0.02	0.00	0.57	0.49	0.27	0.35	0.48	0.34	0.33	0.33	0.22	0.33	0.17	0.49	0.46	0.42	0.46	0.51	0.54	0.46	0.42	0.54	0.47	0.41	1.00	1.00	1.00
11	8	17	0.00	0.71	0.00	0.07	0.32	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.12	0.10	0.11	0.08	0.53	0.03	0.01	0.71	0.64	0.03	0.08	0.09	0.08	0.11	0.10	0.03	0.09	0.05	0.16	0.13	0.10	0.11	0.14	0.16	0.11	0.09	0.14	0.07	0.00	1.00	1.00	1.00
11	8	18	0.00	0.70	0.00	0.12	0.51	0.31	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03	0.16	0.13	0.14	0.10	0.51	0.02	0.02	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	8	19	0.01	0.63	0.00	0.16	0.62	0.39	0.00	0.00	0.06	0.00	0.01	0.02	0.02	0.08	0.21	0.18	0.15	0.11	0.52	0.02	0.04	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	20	0.00	0.45	0.00	0.18	0.64	0.36	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.02	0.25	0.23	0.16	0.20	0.57	0.03	0.04	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	21	0.00	0.31	0.00	0.20	0.62	0.36	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.30	0.27	0.18	0.30	0.60	0.04	0.03	0.31	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	22	0.00	0.31	0.00	0.22	0.58	0.39	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.34	0.32	0.21	0.31	0.60	0.05	0.03	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	23	0.00	0.32	0.00	0.23	0.55	0.48	0.00	0.00	0.03	0.00	0.00	0.01	0.00	0.06	0.38	0.36	0.24	0.28	0.56	0.11	0.03	0.32	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	8	24	0.00	0.25	0.00	0.23	0.49	0.48	0.00	0.00	0.04	0.00	0.00	0.13	0.00	0.21	0.41	0.39	0.20	0.27	0.52	0.14	0.02	0.25	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	1	0.00	0.23	0.00	0.22	0.42	0.48	0.00	0.00	0.05	0.00	0.00	0.27	0.01	0.34	0.44	0.42	0.22	0.24	0.53	0.15	0.02	0.23	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	2	0.00	0.24	0.00	0.21	0.35	0.43	0.00	0.00	0.05	0.00	0.02	0.32	0.01	0.39	0.46	0.44	0.24	0.20	0.53	0.14	0.02	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	3	0.00	0.25	0.02	0.21	0.26	0.27	0.00	0.02	0.05	0.00	0.05	0.34	0.00	0.41	0.48	0.46	0.26	0.18	0.50	0.12	0.03	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	4	0.00	0.24	0.13	0.21	0.19	0.28	0.00	0.04	0.04	0.00	0.05	0.35	0.00	0.42	0.51	0.49	0.25	0.17	0.48	0.14	0.04	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	5	0.00	0.22	0.35	0.19	0.11	0.32	0.00	0.00	0.04	0.00	0.05	0.35	0.00	0.41	0.45	0.43	0.27	0.17	0.45	0.14	0.02	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	6	0.00	0.20	0.31	0.17	0.03	0.42	0.00	0.00	0.04	0.00	0.04	0.33	0.00	0.40	0.47	0.45	0.32	0.18	0.42	0.14	0.02	0.20	0.09	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.00	1.00	1.00
11	9	7	0.00	0.19	0.26	0.15	0.00	0.34	0.00	0.04	0.05	0.00	0.02	0.30	0.00	0.37	0.44	0.42	0.33	0.19	0.41	0.15	0.02	0.19	0.08	0.00	0.03	0.15	0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.26	0.13	0.04	0.01	0.13	0.02	0.08	0.18	0.55	1.00	1.00	1.00
11	9	8	0.01	0.11	0.14	0.15	0.00	0.33	0.00	0.05	0.07	0.00	0.03	0.27	0.02	0.34	0.44	0.42	0.29	0.20	0.39	0.14	0.01	0.11	0.02	0.10	0.18	0.33	0.17	0.19	0.30	0.20	0.16	0.19	0.14	0.08	0.57	0.32	0.11	0.07	0.32	0.21	0.22	0.34	0.85	1.00	1.00	1.00
11	9	9	0.00	0.06	0.08	0.09	0.00	0.16	0.00	0.02	0.05	0.00	0.04	0.24	0.00	0.31	0.44	0.42	0.27	0.15	0.31	0.11	0.00	0.06	0.00	0.23	0.31	0.44	0.31	0.39	0.61	0.42	0.43	0.30	0.17	0.21	0.57	0.29	0.16	0.24	0.28	0.41	0.29	0.46	0.99	1.00	1.00	1.00
11	9	10	0.00	0.06	0.03	0.06	0.00	0.09	0.00	0.01	0.06	0.00	0.06	0.16	0.01	0.23	0.39	0.37	0.33	0.13	0.25	0.09	0.00	0.06	0.00	0.35	0.42	0.49	0.41	0.59	0.75	0.71	0.63	0.36	0.37	0.28	0.23	0.13	0.42	0.46	0.13	0.39	0.29	0.52	1.00	1.00	1.00	1.00
11	9	11	0.05	0.06	0.01	0.07	0.00	0.05	0.00	0.03	0.11	0.05	0.05	0.10	0.06	0.18	0.37	0.35	0.37	0.20	0.24	0.09	0.00	0.06	0.00	0.48	0.55	0.48	0.54	0.69	0.74	0.72	0.64	0.46	0.71	0.48	0.07	0.39	0.72	0.68	0.38	0.37	0.28	0.54	1.00	1.00	1.00	1.00
11	9	12	0.06	0.05	0.00	0.09	0.00	0.03	0.00	0.09	0.12	0.05	0.07	0.08	0.07	0.14	0.39	0.37	0.25	0.32	0.28	0.11	0.01	0.05	0.00	0.56	0.62	0.54	0.61	0.81	0.73	0.74	0.68	0.46	1.00	0.61	0.45	0.55	0.53	0.45	0.55	0.33	0.46	0.60	1.00	1.00	1.00	1.00
11	9	13	0.08	0.04	0.00	0.11	0.00	0.03	0.00	0.18	0.14	0.07	0.16	0.17	0.09	0.25	0.39	0.37	0.17	0.40	0.31	0.19	0.02	0.04	0.00	0.54	0.59	0.57	0.58	0.84	0.59	0.59	0.62	0.56	1.00	0.51	0.48	0.48	0.53	0.46	0.48	0.31	0.56	0.62	1.00	1.00	1.00	1.00
11	9	14	0.15	0.05	0.00	0.15	0.00	0.02	0.00	0.26	0.21	0.14	0.26	0.26	0.16	0.33	0.38	0.36	0.16	0.37	0.33	0.32	0.04	0.05	0.00	0.41	0.47	0.59	0.46	0.88	0.51	0.62	0.40	0.30	0.98	0.58	0.19	0.17	0.29	0.37	0.17	0.40	0.46	0.52	0.92	1.00	1.00	1.00
11	9	15	0.22	0.06	0.05	0.18	0.00	0.02	0.00	0.38	0.27	0.21	0.36	0.27	0.23	0.33	0.38	0.36	0.14	0.30	0.28	0.37	0.08	0.06	0.00	0.32	0.38	0.50	0.37	0.71	0.41	0.65	0.31	0.25	0.88	0.36	0.18	0.13	0.16	0.35	0.13	0.43	0.45	0.40	0.69	1.00	1.00	1.00
11	9	16	0.28	0.07	0.07	0.18	0.00	0.03	0.00	0.52	0.33	0.27	0.46	0.38	0.29	0.44	0.38	0.35	0.35	0.25	0.30	0.34	0.12	0.07	0.00	0.21	0.27	0.33	0.27	0.56	0.39	0.42	0.22	0.18	0.52	0.36	0.05	0.13	0.23	0.29	0.13	0.26	0.35	0.27	0.37	1.00	1.00	1.00
11	9	17	0.34	0.09	0.07	0.20	0.00	0.04	0.00	0.62	0.40	0.34	0.48	0.46	0.35	0.51	0.39	0.37	0.42	0.33	0.31	0.31	0.15	0.09	0.01	0.03	0.07	0.05	0.07	0.21	0.13	0.15	0.06	0.05	0.18	0.11	0.00	0.01	0.03	0.04	0.01	0.05	0.09	0.02	0.00	1.00	1.00	1.00
11	9	18	0.34	0.12	0.11	0.26	0.00	0.14	0.01	0.68	0.39	0.33	0.46	0.47	0.35	0.52	0.42	0.40	0.42	0.39	0.34	0.23	0.23	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	19	0.49	0.13	0.09	0.26	0.00	0.61	0.04	0.70	0.53	0.48	0.51	0.47	0.49	0.52	0.47	0.45	0.45	0.38	0.44	0.22	0.24	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	20	0.54	0.13	0.08	0.30	0.00	0.72	0.10	0.75	0.58	0.54	0.48	0.51	0.55	0.56	0.47	0.45	0.46	0.31	0.40	0.25	0.23	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	21	0.51	0.17	0.05	0.34	0.02	0.62	0.13	0.79	0.55	0.50	0.47	0.57	0.51	0.62	0.49	0.47	0.45	0.28	0.44	0.26	0.17	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	22	0.44	0.19	0.05	0.34	0.08	0.55	0.14	0.76	0.48	0.43	0.46	0.62	0.44	0.66	0.52	0.50	0.40	0.22	0.56	0.20	0.10	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	23	0.37	0.21	0.06	0.32	0.13	0.58	0.15	0.74	0.42	0.37	0.51	0.63	0.38	0.67	0.54	0.53	0.42	0.18	0.59	0.15	0.17	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	9	24	0.37	0.20	0.05	0.32	0.10	0.66	0.14	0.73	0.42	0.36	0.58	0.66	0.38	0.70	0.59	0.57	0.33	0.18	0.59	0.16	0.21	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	1	0.39	0.21	0.03	0.32	0.05	0.61	0.16	0.73	0.44	0.38	0.66	0.65	0.39	0.69	0.66	0.65	0.29	0.14	0.56	0.13	0.12	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	2	0.37	0.22	0.05	0.29	0.01	0.37	0.20	0.77	0.41	0.36	0.61	0.67	0.37	0.71	0.77	0.76	0.27	0.07	0.49	0.10	0.08	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	3	0.37	0.25	0.07	0.25	0.00	0.17	0.22	0.80	0.42	0.36	0.58	0.66	0.38	0.70	0.85	0.84	0.21	0.03	0.43	0.07	0.12	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	4	0.38	0.29	0.14	0.24	0.00	0.10	0.22	0.77	0.43	0.37	0.54	0.67	0.39	0.70	0.90	0.89	0.15	0.06	0.41	0.03	0.21	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	5	0.38	0.32	0.22	0.20	0.00	0.09	0.22	0.75	0.43	0.37	0.48	0.66	0.39	0.70	0.91	0.91	0.15	0.17	0.41	0.02	0.27	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	6	0.33	0.37	0.29	0.21	0.00	0.11	0.23	0.73	0.38	0.32	0.40	0.63	0.34	0.66	0.91	0.90	0.16	0.23	0.46	0.01	0.15	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
11	10	7	0.32	0.42	0.31	0.22	0.00	0.10	0.26	0.68	0.37	0.31	0.44	0.64	0.33	0.69	0.89	0.89	0.23	0.22	0.43	0.00	0.22	0.42	0.31	0.01	0.08	0.19	0.07	0.00	0.00	0.01	0.05	0.02	0.09	0.21	0.29	0.23	0.21	0.14	0.23	0.30	0.28	0.21	0.17	1.00	1.00	1.00
11	10	8	0.26	0.38	0.28	0.23	0.00	0.05	0.30	0.61	0.32	0.26	0.41	0.62	0.27	0.66	0.86	0.86	0.39	0.21	0.36	0.00	0.11	0.38	0.27	0.21	0.36	0.53	0.36	0.08	0.18	0.33	0.38	0.35	0.54	0.63	0.66	0.63	0.60	0.48	0.62	0.61	0.62	0.48	0.47	1.00	1.00	1.00
11	10	9	0.10	0.30	0.24	0.21	0.00	0.03	0.33	0.50	0.15	0.09	0.34	0.48	0.11	0.54	0.82	0.81	0.40	0.12	0.32	0.00	0.04	0.30	0.20	0.43	0.57	0.70	0.56	0.11	0.28	0.57	0.60	0.63	0.68	0.86	0.85	0.83	0.79	0.76	0.82	0.75	0.80	0.69	0.63	1.00	1.00	1.00
11	10	10	0.03	0.38	0.24	0.16	0.00	0.00	0.33	0.37	0.09	0.02	0.28	0.33	0.04	0.40	0.73	0.72	0.32	0.09	0.39	0.00	0.03	0.38	0.28	0.57	0.68	0.85	0.67	0.03	0.21	0.63	0.78	0.85	0.89	0.99	0.97	0.95	0.90	0.82	0.94	0.82	0.90	0.83	0.75	1.00	1.00	1.00
11	10	11	0.00	0.45	0.47	0.17	0.00	0.00	0.34	0.28	0.04	0.00	0.25	0.12	0.00	0.19	0.73	0.71	0.35	0.11	0.51	0.00	0.02	0.45	0.35	0.67	0.76	0.94	0.75	0.04	0.25	0.79	0.85	0.96	1.00	1.00	1.00	1.00	0.94	0.81	1.00	0.90	0.94	0.89	0.87	1.00	1.00	1.00
11	10	12	0.00	0.47	0.75	0.26	0.00	0.00	0.34	0.20	0.03	0.00	0.20	0.06	0.00	0.13	0.63	0.62	0.31	0.12	0.60	0.00	0.01	0.47	0.37	0.69	0.76	0.86	0.75	0.02	0.21	0.67	0.86	1.00	0.92	1.00	1.00	1.00	0.98	0.89	1.00	0.90	0.94	0.93	0.86	1.00	1.00	1.00
11	10	13	0.00	0.45	0.91	0.33	0.00	0.00	0.37	0.15	0.04	0.00	0.16	0.02	0.00	0.09	0.54	0.52	0.33	0.15	0.66	0.00	0.01	0.45	0.35	0.69	0.76	0.85	0.74	0.03	0.12	0.64	0.83	0.98	1.00	1.00	1.00	1.00	0.97	0.92	1.00	0.90	0.91	0.95	0.81	1.00	1.00	1.00
11	10	14	0.00	0.39	0.88	0.33	0.00	0.00	0.38	0.15	0.05	0.00	0.15	0.01	0.00	0.07	0.45	0.43	0.49	0.21	0.62	0.00	0.02	0.39	0.29	0.64	0.72	0.75	0.70	0.02	0.14	0.62	0.73	0.92	1.00	1.00	0.96	0.96	0.96	0.93	0.95	0.86	0.89	0.92	0.62	1.00	1.00	1.00
11	10	15	0.04	0.38	0.70	0.32	0.00	0.00	0.40	0.18	0.10	0.03	0.16	0.00	0.05	0.06	0.43	0.41	0.52	0.23	0.65	0.00	0.02	0.38	0.27	0.52	0.61	0.62	0.60	0.02	0.16	0.39	0.54	0.85	0.92	0.90	0.84	0.85	0.84	0.84	0.84	0.75	0.75	0.81	0.55	1.00	1.00	1.00
11	10	16	0.12	0.30	0.69	0.28	0.00	0.00	0.49	0.24	0.18	0.11	0.20	0.00	0.13	0.05	0.39	0.36	0.57	0.28	0.61	0.00	0.03	0.30	0.20	0.31	0.41	0.34	0.40	0.05	0.09	0.34	0.41	0.62	0.66	0.63	0.51	0.56	0.57	0.55	0.55	0.40	0.45	0.47	0.22	1.00	1.00	1.00
11	10	17	0.23	0.30	0.69	0.24	0.00	0.02	0.52	0.32	0.29	0.22	0.26	0.01	0.24	0.07	0.35	0.33	0.54	0.46	0.62	0.00	0.08	0.30	0.19	0.05	0.11	0.05	0.10	0.01	0.01	0.11	0.13	0.26	0.24	0.20	0.11	0.15	0.16	0.15	0.15	0.07	0.11	0.06	0.00	1.00	1.00	1.00
11	10	18	0.32	0.36	0.66	0.22	0.00	0.04	0.49	0.38	0.38	0.31	0.29	0.05	0.33	0.12	0.32	0.30	0.52	0.60	0.60	0.00	0.12	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.00	1.00	1.00
11	10	19	0.31	0.43	0.51	0.18	0.00	0.04	0.44	0.42	0.36	0.30	0.28	0.16	0.32	0.24	0.28	0.26	0.48	0.63	0.60	0.00	0.11	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	20	0.23	0.46	0.42	0.14	0.00	0.05	0.38	0.45	0.28	0.22	0.21	0.11	0.24	0.18	0.24	0.22	0.45	0.76	0.67	0.00	0.11	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	21	0.21	0.43	0.36	0.11	0.00	0.12	0.35	0.46	0.27	0.20	0.14	0.07	0.22	0.14	0.23	0.21	0.45	0.80	0.74	0.00	0.11	0.43	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	22	0.27	0.50	0.36	0.10	0.00	0.19	0.31	0.47	0.32	0.26	0.10	0.04	0.28	0.12	0.23	0.21	0.43	0.79	0.77	0.01	0.16	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	23	0.30	0.56	0.38	0.10	0.00	0.29	0.27	0.45	0.35	0.29	0.05	0.02	0.31	0.09	0.26	0.23	0.34	0.80	0.76	0.04	0.24	0.57	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	10	24	0.33	0.56	0.44	0.12	0.00	0.30	0.25	0.45	0.38	0.32	0.01	0.01	0.33	0.07	0.29	0.27	0.35	0.80	0.73	0.06	0.26	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	1	0.40	0.59	0.45	0.14	0.00	0.25	0.20	0.42	0.45	0.40	0.00	0.00	0.41	0.06	0.40	0.37	0.37	0.83	0.71	0.08	0.21	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	2	0.40	0.72	0.45	0.15	0.00	0.08	0.17	0.42	0.44	0.39	0.00	0.00	0.41	0.05	0.47	0.45	0.32	0.81	0.68	0.12	0.15	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	3	0.44	0.73	0.49	0.18	0.00	0.03	0.15	0.42	0.49	0.44	0.00	0.00	0.45	0.04	0.51	0.49	0.30	0.81	0.52	0.15	0.13	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	4	0.40	0.75	0.55	0.15	0.00	0.06	0.07	0.44	0.45	0.39	0.00	0.00	0.41	0.05	0.58	0.56	0.28	0.81	0.39	0.13	0.15	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	5	0.37	0.77	0.53	0.22	0.00	0.05	0.01	0.45	0.41	0.36	0.00	0.04	0.37	0.11	0.61	0.60	0.25	0.80	0.32	0.10	0.18	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	6	0.34	0.80	0.39	0.29	0.00	0.02	0.00	0.45	0.39	0.33	0.02	0.07	0.35	0.15	0.53	0.52	0.16	0.74	0.31	0.09	0.18	0.80	0.76	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.00	1.00	1.00
11	11	7	0.32	0.78	0.26	0.38	0.00	0.00	0.01	0.45	0.37	0.31	0.01	0.11	0.33	0.19	0.51	0.49	0.06	0.64	0.29	0.11	0.16	0.78	0.72	0.01	0.06	0.21	0.06	0.00	0.00	0.00	0.01	0.00	0.01	0.15	0.25	0.21	0.19	0.16	0.21	0.10	0.11	0.39	0.54	1.00	1.00	1.00
11	11	8	0.38	0.61	0.26	0.36	0.00	0.00	0.07	0.44	0.43	0.37	0.02	0.15	0.39	0.23	0.51	0.50	0.06	0.55	0.18	0.14	0.12	0.61	0.54	0.16	0.27	0.38	0.27	0.32	0.12	0.08	0.01	0.04	0.32	0.47	0.49	0.58	0.62	0.58	0.58	0.17	0.27	0.70	0.79	1.00	1.00	1.00
11	11	9	0.29	0.48	0.28	0.27	0.00	0.00	0.24	0.44	0.34	0.28	0.02	0.15	0.30	0.23	0.56	0.54	0.14	0.45	0.10	0.14	0.11	0.48	0.39	0.34	0.44	0.50	0.44	0.64	0.30	0.15	0.08	0.20	0.32	0.57	0.74	0.81	0.84	0.77	0.80	0.28	0.38	0.87	0.95	1.00	1.00	1.00
11	11	10	0.29	0.48	0.27	0.19	0.00	0.03	0.46	0.49	0.34	0.28	0.03	0.18	0.30	0.25	0.55	0.53	0.28	0.50	0.11	0.17	0.15	0.48	0.38	0.48	0.57	0.54	0.56	0.83	0.49	0.31	0.14	0.23	0.45	0.66	0.90	0.85	0.95	0.89	0.84	0.22	0.49	0.96	0.98	1.00	1.00	1.00
11	11	11	0.38	0.40	0.29	0.17	0.00	0.15	0.59	0.53	0.43	0.37	0.05	0.15	0.39	0.22	0.50	0.48	0.41	0.59	0.16	0.29	0.18	0.40	0.30	0.55	0.62	0.55	0.61	0.93	0.64	0.40	0.14	0.12	0.59	0.68	0.81	0.82	1.00	0.98	0.81	0.19	0.48	0.99	1.00	1.00	1.00	1.00
11	11	12	0.52	0.35	0.28	0.22	0.01	0.28	0.62	0.57	0.56	0.51	0.13	0.15	0.53	0.22	0.45	0.43	0.48	0.67	0.14	0.50	0.20	0.34	0.24	0.60	0.67	0.60	0.65	0.91	0.73	0.54	0.16	0.33	0.47	0.79	0.97	0.77	0.90	0.98	0.77	0.19	0.43	1.00	1.00	1.00	1.00	1.00
11	11	13	0.55	0.38	0.31	0.25	0.06	0.45	0.64	0.59	0.59	0.54	0.22	0.20	0.56	0.27	0.44	0.42	0.49	0.61	0.14	0.56	0.22	0.38	0.26	0.52	0.57	0.60	0.56	0.91	0.85	0.49	0.12	0.33	0.47	0.62	0.72	0.50	0.78	0.71	0.49	0.16	0.35	0.95	0.92	1.00	1.00	1.00
11	11	14	0.54	0.27	0.37	0.27	0.12	0.56	0.66	0.67	0.58	0.53	0.30	0.31	0.55	0.38	0.38	0.36	0.48	0.47	0.16	0.52	0.24	0.27	0.17	0.44	0.50	0.57	0.49	0.91	0.84	0.79	0.10	0.18	0.39	0.43	0.35	0.41	0.61	0.69	0.41	0.15	0.31	0.88	0.75	1.00	1.00	1.00
11	11	15	0.58	0.26	0.36	0.26	0.13	0.66	0.72	0.75	0.62	0.58	0.37	0.42	0.59	0.49	0.35	0.33	0.34	0.35	0.13	0.53	0.28	0.26	0.15	0.34	0.40	0.47	0.40	0.84	0.73	0.75	0.22	0.34	0.31	0.30	0.12	0.28	0.37	0.45	0.28	0.10	0.19	0.80	0.65	1.00	1.00	1.00
11	11	16	0.63	0.28	0.30	0.21	0.10	0.66	0.79	0.78	0.66	0.62	0.38	0.43	0.64	0.49	0.34	0.32	0.22	0.45	0.09	0.49	0.30	0.28	0.17	0.21	0.27	0.27	0.26	0.57	0.51	0.51	0.19	0.28	0.21	0.29	0.09	0.17	0.23	0.21	0.17	0.12	0.19	0.48	0.35	1.00	1.00	1.00
11	11	17	0.63	0.33	0.26	0.28	0.11	0.59	0.77	0.77	0.66	0.62	0.38	0.41	0.63	0.47	0.41	0.39	0.14	0.59	0.06	0.43	0.35	0.33	0.22	0.03	0.07	0.03	0.07	0.20	0.20	0.19	0.05	0.10	0.05	0.07	0.00	0.03	0.04	0.03	0.03	0.03	0.02	0.06	0.00	1.00	1.00	1.00
11	11	18	0.72	0.34	0.26	0.34	0.20	0.82	0.73	0.74	0.74	0.71	0.35	0.40	0.72	0.46	0.54	0.52	0.15	0.62	0.05	0.31	0.36	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	19	0.67	0.43	0.22	0.34	0.30	0.86	0.70	0.67	0.71	0.67	0.27	0.40	0.68	0.46	0.64	0.63	0.14	0.49	0.07	0.22	0.32	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	20	0.47	0.43	0.18	0.33	0.40	0.65	0.67	0.52	0.52	0.47	0.23	0.38	0.48	0.44	0.67	0.66	0.16	0.34	0.06	0.22	0.22	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	21	0.33	0.45	0.14	0.39	0.47	0.80	0.67	0.42	0.37	0.32	0.19	0.35	0.33	0.41	0.69	0.68	0.19	0.26	0.06	0.22	0.16	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	22	0.33	0.45	0.13	0.41	0.57	0.58	0.75	0.34	0.38	0.32	0.19	0.32	0.34	0.39	0.72	0.71	0.20	0.25	0.12	0.20	0.12	0.45	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	23	0.43	0.52	0.12	0.43	0.60	0.25	0.79	0.32	0.48	0.42	0.22	0.27	0.44	0.35	0.75	0.74	0.29	0.26	0.13	0.24	0.10	0.52	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	11	24	0.55	0.59	0.14	0.45	0.65	0.62	0.83	0.33	0.59	0.55	0.24	0.12	0.56	0.19	0.78	0.77	0.44	0.30	0.10	0.39	0.09	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_V	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp
11	12	1	0.62	0.53	0.12	0.45	0.64	0.54	0.83	0.36	0.65	0.61	0.28	0.01
11	12	2	0.66	0.46	0.11	0.44	0.49	0.59	0.74	0.44	0.69	0.65	0.44	0.01
11	12	3	0.62	0.43	0.12	0.42	0.27	0.50	0.61	0.46	0.65	0.61	0.57	0.15
11	12	4	0.64	0.41	0.16	0.40	0.06	0.21	0.52	0.39	0.67	0.64	0.65	0.28
11	12	5	0.55	0.32	0.21	0.39	0.00	0.12	0.44	0.34	0.58	0.54	0.69	0.31
11	12	6	0.45	0.27	0.27	0.34	0.00	0.08	0.38	0.23	0.49	0.44	0.69	0.36
11	12	7	0.42	0.20	0.34	0.26	0.00	0.04	0.36	0.20	0.46	0.41	0.69	0.35
11	12	8	0.32	0.11	0.46	0.23	0.00	0.04	0.30	0.17	0.37	0.31	0.68	0.35
11	12	9	0.23	0.04	0.47	0.20	0.00	0.03	0.23	0.13	0.28	0.22	0.56	0.31
11	12	10	0.17	0.03	0.48	0.19	0.00	0.01	0.14	0.15	0.23	0.16	0.65	0.31
11	12	11	0.12	0.08	0.63	0.18	0.00	0.01	0.12	0.17	0.18	0.11	0.71	0.39
11	12	12	0.06	0.14	0.79	0.22	0.00	0.01	0.17	0.13	0.12	0.05	0.71	0.47
11	12	13	0.02	0.16	0.81	0.27	0.00	0.00	0.29	0.08	0.08	0.01	0.69	0.50
11	12	14	0.01	0.16	0.61	0.33	0.00	0.01	0.43	0.03	0.07	0.00	0.63	0.46
11	12	15	0.01	0.19	0.50	0.40	0.00	0.01	0.54	0.00	0.06	0.00	0.59	0.41
11	12	16	0.01	0.21	0.51	0.41	0.00	0.03	0.64	0.00	0.06	0.00	0.54	0.37
11	12	17	0.01	0.22	0.72	0.46	0.00	0.08	0.73	0.00	0.06	0.00	0.52	0.35
11	12	18	0.01	0.20	0.83	0.51	0.00	0.13	0.76	0.00	0.06	0.00	0.53	0.39
11	12	19	0.00	0.15	0.83	0.46	0.00	0.15	0.75	0.00	0.05	0.00	0.61	0.44
11	12	20	0.00	0.13	0.85	0.47	0.00	0.12	0.74	0.00	0.05	0.00	0.62	0.53
11	12	21	0.00	0.12	0.86	0.49	0.01	0.09	0.74	0.00	0.05	0.00	0.61	0.57
11	12	22	0.00	0.19	0.84	0.46	0.05	0.04	0.73	0.00	0.04	0.00	0.58	0.56
11	12	23	0.00	0.24	0.88	0.44	0.13	0.01	0.68	0.00	0.04	0.00	0.53	0.53
11	12	24	0.00	0.17	0.94	0.43	0.25	0.00	0.67	0.00	0.05	0.00	0.52	0.53
11	13	1	0.04	0.12	0.96	0.44	0.35	0.00	0.63	0.00	0.09	0.03	0.52	0.52
11	13	2	0.10	0.11	0.97	0.43	0.33	0.00	0.59	0.00	0.16	0.09	0.53	0.47
11	13	3	0.15	0.16	0.95	0.38	0.24	0.00	0.56	0.00	0.20	0.14	0.50	0.44
11	13	4	0.18	0.22	0.95	0.34	0.14	0.02	0.51	0.00	0.24	0.17	0.47	0.43
11	13	5	0.16	0.31	0.99	0.32	0.06	0.03	0.45	0.00	0.21	0.15	0.46	0.40
11	13	6	0.14	0.42	0.98	0.31	0.01	0.04	0.36	0.00	0.20	0.13	0.43	0.37
11	13	7	0.14	0.45	0.87	0.27	0.00	0.05	0.30	0.00	0.19	0.13	0.38	0.35
11	13	8	0.11	0.40	0.71	0.22	0.00	0.03	0.25	0.00	0.17	0.10	0.29	0.34
11	13	9	0.07	0.37	0.66	0.20	0.00	0.02	0.21	0.00	0.13	0.06	0.17	0.30
11	13	10	0.06	0.48	0.74	0.13	0.00	0.01	0.19	0.00	0.12	0.05	0.07	0.27
11	13	11	0.05	0.59	0.77	0.08	0.00	0.00	0.23	0.00	0.11	0.04	0.04	0.27
11	13	12	0.02	0.68	0.64	0.06	0.00	0.03	0.28	0.00	0.07	0.01	0.03	0.23
11	13	13	0.00	0.72	0.61	0.06	0.00	0.06	0.34	0.00	0.04	0.00	0.02	0.18
11	13	14	0.00	0.78	0.59	0.04	0.00	0.11	0.45	0.00	0.01	0.00	0.01	0.15
11	13	15	0.00	0.84	0.47	0.03	0.00	0.17	0.57	0.00	0.00	0.00	0.00	0.12
11	13	16	0.00	0.79	0.35	0.02	0.00	0.23	0.63	0.00	0.00	0.00	0.00	0.13
11	13	17	0.00	0.81	0.33	0.03	0.00	0.24	0.70	0.01	0.00	0.00	0.00	0.17
11	13	18	0.00	0.81	0.31	0.07	0.00	0.40	0.75	0.06	0.01	0.00	0.00	0.19
11	13	19	0.00	0.81	0.27	0.11	0.00	0.45	0.74	0.11	0.03	0.00	0.00	0.17
11	13	20	0.08	0.79	0.22	0.17	0.02	0.59	0.72	0.05	0.13	0.07	0.00	0.15
11	13	21	0.24	0.77	0.17	0.24	0.10	0.61	0.66	0.00	0.30	0.23	0.01	0.14
11	13	22	0.30	0.79	0.16	0.32	0.19	0.67	0.58	0.00	0.35	0.29	0.04	0.11
11	13	23	0.31	0.83	0.14	0.36	0.26	0.71	0.45	0.00	0.36	0.30	0.06	0.09
11	13	24	0.32	0.86	0.13	0.42	0.25	0.70	0.29	0.00	0.37	0.31	0.09	0.08
11	14	1	0.32	0.90	0.14	0.48	0.30	0.69	0.18	0.00	0.37	0.31	0.08	0.08
11	14	2	0.32	0.88	0.13	0.50	0.38	0.57	0.11	0.00	0.38	0.32	0.13	0.10
11	14	3	0.32	0.78	0.14	0.52	0.42	0.45	0.08	0.00	0.38	0.32	0.17	0.12
11	14	4	0.33	0.66	0.18	0.54	0.40	0.50	0.06	0.00	0.38	0.32	0.18	0.14
11	14	5	0.33	0.59	0.25	0.53	0.34	0.67	0.04	0.00	0.38	0.32	0.21	0.15
11	14	6	0.35	0.50	0.32	0.55	0.28	0.42	0.02	0.00	0.41	0.35	0.28	0.19
11	14	7	0.37	0.45	0.40	0.55	0.23	0.22	0.00	0.04	0.42	0.36	0.37	0.21
11	14	8	0.35	0.33	0.46	0.53	0.20	0.27	0.00	0.06	0.40	0.34	0.41	0.22
11	14	9	0.33	0.50	0.34	0.47	0.18	0.17	0.00	0.04	0.39	0.33	0.42	0.22
11	14	10	0.29	0.48	0.17	0.29	0.04	0.05	0.00	0.01	0.34	0.28	0.43	0.23
11	14	11	0.28	0.42	0.15	0.22	0.00	0.05	0.00	0.00	0.33	0.27	0.48	0.29
11	14	12	0.26	0.39	0.14	0.20	0.00	0.06	0.00	0.01	0.31	0.25	0.46	0.34
11	14	13	0.30	0.37	0.14	0.17	0.00	0.05	0.00	0.03	0.35	0.29	0.43	0.35
11	14	14	0.31	0.34	0.13	0.15	0.00	0.04	0.00	0.08	0.37	0.30	0.40	0.33
11	14	15	0.35	0.31	0.13	0.14	0.00	0.03	0.00	0.10	0.40	0.34	0.43	0.30
11	14	16	0.41	0.30	0.14	0.14	0.00	0.03	0.00	0.11	0.46	0.40	0.45	0.27
11	14	17	0.40	0.31	0.12	0.17	0.00	0.04	0.05	0.12	0.45	0.39	0.53	0.29
11	14	18	0.36	0.36	0.11	0.18	0.00	0.05	0.11	0.17	0.42	0.36	0.54	0.26
11	14	19	0.30	0.43	0.09	0.18	0.00	0.06	0.14	0.21	0.36	0.30	0.55	0.25
11	14	20	0.24	0.45	0.05	0.17	0.00	0.03	0.13	0.16	0.29	0.23	0.54	0.28
11	14	21	0.17	0.48	0.03	0.16	0.00	0.03	0.11	0.12	0.23	0.16	0.62	0.27
11	14	22	0.10	0.48	0.03	0.17	0.00	0.03	0.05	0.12	0.16	0.09	0.61	0.28
11	14	23	0.05	0.43	0.02	0.18	0.00	0.02	0.00	0.11	0.11	0.04	0.56	0.26
11	14	24	0.04	0.41	0.00	0.18	0.00	0.00	0.00	0.09	0.10	0.03	0.51	0.24
11	15	1	0.01	0.43	0.00	0.18	0.00	0.00	0.00	0.07	0.07	0.00	0.50	0.32
11	15	2	0.00	0.33	0.00	0.15	0.00	0.00	0.00	0.04	0.05	0.00	0.50	0.36
11	15	3	0.00	0.24	0.00	0.15	0.00	0.01	0.00	0.02	0.04	0.00	0.48	0.33
11	15	4	0.00	0.30	0.01	0.16	0.00	0.02	0.00	0.02	0.03	0.00	0.44	0.27
11	15	5	0.00	0.32	0.00	0.19	0.00	0.00	0.00	0.00	0.02	0.00	0.40	0.25
11	15	6	0.00	0.29	0.02	0.19	0.00	0.01	0.00	0.00	0.01	0.00	0.38	0.30
11	15	7	0.00	0.28	0.04	0.18	0.00	0.02	0.00	0.00	0.00	0.00	0.36	0.30
11	15	8	0.00	0.22	0.05	0.16	0.00	0.03	0.00	0.00	0.00	0.00	0.35	0.32
11	15	9	0.00	0.21	0.03	0.15	0.00	0.04	0.00	0.00	0.00	0.00	0.18	0.29
11	15	10	0.00	0.20	0.02	0.16	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.29
11	15	11	0.00	0.19	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.33
11	15	12	0.00	0.24	0.01	0.23	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.27
11	15	13	0.00	0.31	0.03	0.32	0.00	0.00	0.00	0.00	0.03	0.00	0.04	0.19
11	15	14	0.00	0.35	0.07	0.34	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.08
11	15	15	0.00	0.33	0.04	0.35	0.00	0.03	0.01	0.00	0.04	0.00	0.00	0.04
11	15	16	0.02	0.33	0.10	0.33	0.00	0.04	0.07	0.00	0.07	0.01	0.00	0.06
11	15	17	0.05	0.46	0.15	0.35	0.07	0.09	0.16	0.00	0.11	0.04	0.00	0.03
11	15	18	0.04	0.59	0.18	0.39	0.34	0.11	0.24	0.00	0.09	0.03	0.00	0.04
11	15	19	0.03	0.65	0.16	0.39	0.51	0.19	0.28	0.00	0.08	0.02	0.00	0.07
11	15	20	0.08	0.70	0.17	0.35	0.53	0.28	0.30	0.00	0.14	0.07	0.00	0.16
11	15	21	0.05	0.68	0.18	0.30	0.46	0.35	0.32	0.04	0.10	0.04	0.06	0.24
11	15	22	0.04	0.69	0.16	0.29	0.44	0.40	0.32	0.04	0.09	0.03	0.06	0.20
11	15	23	0.04	0.76	0.14	0.27	0.49	0.71	0.38	0.04	0.10	0.03	0.00	0.11
11	15	24	0.03	0.79	0.09	0.24	0.52	0.65	0.48	0.07	0.09	0.02	0.00	0.08
11	16	1	0.05	0.83	0.05	0.21	0.45	0.39	0.51	0.16	0.10	0.04	0.00	0.06
11	16	2	0.04	0.89	0.04	0.18	0.41	0.30	0.52	0.20	0.10	0.03	0.00	0.04
11	16	3	0.03	0.89	0.05	0.17	0.46	0.46	0.53	0.15	0.09	0.02	0.00	0.03
11	16	4	0.04	0.88	0.06	0.16	0.50	0.54	0.55	0.16	0.10	0.03	0.00	0.01
11	16	5	0.02	0.84	0.07	0.16	0.50	0.42	0.58	0.11	0.08	0.01	0.00	0.00
11	16	6	0.03	0.85	0.11	0.14	0.50	0.54	0.60	0.10	0.09	0.02	0.00	0.00
11	16	7	0.00	0.87	0.19	0.14	0.53	0.60	0.62	0.06	0.05	0.00	0.00	0.00
11	16	8	0.00	0.84	0.23	0.16	0.53	0.60	0.62	0.01	0.03	0.00	0.00	0.00
11	16	9	0.00	0.78	0.28	0.15	0.37	0.39	0.58	0.00	0.00	0.00	0.00	0.00
11	16	10	0.00	0.75	0.29	0.12	0.25	0.10	0.54	0.00	0.00	0.00	0.00	0.00
11	16	11	0.00	0.59	0.31	0.12	0.17	0.08	0.53	0.00	0.00	0.00	0.00	0.00
11	16	12	0.00	0.78	0.38	0.19	0.10	0.11	0.54	0.00	0.00	0.00	0.00	0.00
11	16	13	0.00	0.79	0.43	0.21	0.02	0.11	0.56	0.00	0.00	0.00	0.00	0.00
11	16	14	0.00	0.62	0.43	0.11	0.00	0.13	0.60	0.03	0.00	0.00	0.00	0.00
11	16	15	0.00	0.75	0.33	0.08	0.00	0.13	0.64	0.11	0.00	0.00	0.00	0.00
11	16	16	0.00	0.71	0.25	0.08	0.00	0.13	0.64	0.19	0.01	0.00	0.07	0.00
11	16	17	0.00	0.69	0.25	0.10	0.04	0.16	0.66	0.27	0.05	0.00	0.14	0.00
11	16	18	0.07	0.73	0.21	0.11	0.20	0.14	0.66	0.34	0.13	0.06	0.06	0.05
11	16	19	0.08	0.68	0.19	0.11	0.33	0.29	0.64	0.40	0.14	0.07	0.00	0.03
11	16	20	0.06	0.79	0.17	0.12	0.40	0.40	0.63	0.40	0.11	0.05	0.00	0.05
11	16	21	0.06	0.82	0.17	0.14	0.47	0.49	0.65	0.40	0.12	0.05	0.00	0.10
11	16	22	0.07	0.86	0.16	0.16	0.49	0.51	0.67	0.36	0.12	0.06	0.00	0.08
11	16	23	0.08	0.79	0.17	0.17	0.52	0.47	0.66	0.34	0.14	0.08	0.00	0.03
11	16	24	0.08	0.70	0.16	0.20	0.54	0.42	0.63	0.34	0.14	0.07	0.00	0.04
11	17	1	0.09	0.69	0.17	0.21	0.50	0.37	0.60	0.30	0.15	0.08	0.00	0.11
11	17	2	0.10	0.61	0.18	0.18	0.44	0.34	0.58	0.26	0.16	0.09	0.00	0.15
11	17	3	0.09	0.55	0.17	0.18	0.41	0.33	0.54	0.25	0.15	0.08	0.00	0.10
11	17	4	0.08	0.44	0.15	0.17	0.42	0.38	0.51	0.24	0.14	0.07	0.00	0.04
11	17	5	0.04	0.38	0.10	0.18	0.42	0.31	0.49	0.20	0.10	0.03	0.00	0.05
11	17	6	0.00	0.26	0.05	0.20	0.36	0.24	0.47	0.14	0.05	0.00	0.00	0.02
11	17	7	0.00	0.13	0.02	0.21	0.30	0.23	0.45	0.11	0.03	0.00	0.00	0.00
11	17	8	0.00	0.07	0.00	0.22	0.30	0.26	0.38	0.08	0.03	0.00	0.00	0.00
11	17	9	0.00	0.05	0.00	0.22	0.22	0.20	0.29	0.03	0.02	0.00	0.00	0.00
11	17	10	0.00	0.05	0.00	0.21	0.09	0.06	0.21	0.00	0.01	0.00	0.00	0.00
11	17	11	0.00	0.07	0.00	0.24	0.01	0.06	0.19	0.00	0.00	0.00	0.00	0.00
11	17	12	0.00	0.09	0.00	0.27	0.00	0.08	0.18	0.00	0.00	0.00	0.00	0.00
11	17	13	0.00	0.10	0.00	0.28	0.00	0.10	0.19	0.00	0.00	0.00	0.00	0.00
11	17	14	0.00	0.12	0.01	0.27	0.00	0.12	0.20	0.00	0.00	0.00	0.00	0.00
11	17	15	0.00	0.14	0.09	0.25	0.00	0.10	0.24	0.00	0.00	0.00	0.00	0.00

			Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrit	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_
11	12	1	0.62	0.07	0.80	0.79	0.50	0.31	0.11	0.39	0.04	0.53	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	2	0.66	0.06	0.82	0.82	0.50	0.30	0.15	0.41	0.02	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	3	0.62	0.22	0.83	0.82	0.50	0.25	0.10	0.37	0.03	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	4	0.65	0.35	0.87	0.87	0.57	0.25	0.09	0.35	0.04	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	5	0.55	0.38	0.91	0.91	0.66	0.22	0.12	0.32	0.08	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	6	0.46	0.42	0.93	0.93	0.67	0.20	0.17	0.32	0.07	0.27	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	12	7	0.42	0.42	0.91	0.90	0.67	0.18	0.22	0.35	0.06	0.20	0.09	0.00	0.07	0.20	0.07	0.00	0.00	0.00	0.05
11	12	8	0.33	0.42	0.83	0.82	0.68	0.11	0.19	0.31	0.02	0.11	0.02	0.20	0.35	0.55	0.35	0.05	0.05	0.25	0.43
11	12	9	0.24	0.37	0.67	0.66	0.65	0.05	0.19	0.26	0.00	0.04	0.00	0.44	0.59	0.74	0.58	0.05	0.26	0.52	0.66
11	12	10	0.18	0.37	0.46	0.44	0.59	0.03	0.19	0.23	0.00	0.03	0.00	0.61	0.72	0.89	0.71	0.07	0.40	0.63	0.77
11	12	11	0.13	0.45	0.39	0.37	0.65	0.02	0.19	0.22	0.02	0.08	0.00	0.72	0.81	0.97	0.79	0.08	0.64	0.71	0.89
11	12	12	0.07	0.53	0.34	0.32	0.77	0.01	0.19	0.20	0.03	0.14	0.04	0.77	0.85	0.98	0.84	0.09	0.71	0.76	0.93
11	12	13	0.03	0.56	0.33	0.31	0.82	0.01	0.20	0.19	0.05	0.16	0.06	0.77	0.85	0.87	0.83	0.15	0.74	0.87	0.90
11	12	14	0.02	0.52	0.32	0.30	0.84	0.01	0.22	0.19	0.06	0.16	0.06	0.71	0.79	0.80	0.78	0.20	0.49	0.82	0.86
11	12	15	0.02	0.47	0.36	0.34	0.82	0.01	0.25	0.19	0.04	0.19	0.08	0.58	0.69	0.62	0.68	0.15	0.38	0.73	0.78
11	12	16	0.02	0.44	0.45	0.43	0.82	0.00	0.29	0.18	0.02	0.21	0.10	0.35	0.46	0.32	0.45	0.15	0.33	0.50	0.56
11	12	17	0.02	0.41	0.60	0.58	0.86	0.01	0.35	0.20	0.02	0.22	0.11	0.05	0.12	0.04	0.12	0.03	0.08	0.19	0.19
11	12	18	0.01	0.45	0.69	0.68	0.88	0.01	0.45	0.21	0.02	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	19	0.01	0.49	0.69	0.68	0.88	0.00	0.52	0.19	0.02	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	20	0.01	0.59	0.70	0.69	0.87	0.00	0.63	0.22	0.02	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	21	0.01	0.62	0.67	0.66	0.86	0.01	0.70	0.20	0.02	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	22	0.00	0.61	0.66	0.64	0.86	0.02	0.78	0.17	0.01	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	23	0.00	0.58	0.71	0.70	0.87	0.03	0.84	0.15	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12	24	0.01	0.58	0.71	0.70	0.87	0.06	0.83	0.11	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	1	0.05	0.57	0.67	0.66	0.86	0.13	0.85	0.07	0.00	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	2	0.11	0.53	0.65	0.64	0.85	0.27	0.82	0.05	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	3	0.16	0.50	0.68	0.67	0.79	0.40	0.74	0.02	0.00	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	4	0.19	0.49	0.70	0.68	0.78	0.49	0.74	0.01	0.00	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	5	0.17	0.46	0.72	0.70	0.87	0.53	0.68	0.00	0.00	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	6	0.15	0.43	0.61	0.59	0.88	0.55	0.65	0.00	0.00	0.42	0.31	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	13	7	0.15	0.42	0.46	0.44	0.78	0.55	0.63	0.00	0.00	0.46	0.35	0.01	0.08	0.24	0.08	0.00	0.00	0.01	0.04
11	13	8	0.12	0.40	0.40	0.38	0.57	0.51	0.62	0.00	0.00	0.40	0.30	0.22	0.38	0.55	0.38	0.13	0.25	0.32	0.41
11	13	9	0.08	0.37	0.38	0.36	0.31	0.41	0.70	0.00	0.00	0.37	0.27	0.47	0.63	0.72	0.61	0.33	0.53	0.59	0.68
11	13	10	0.07	0.34	0.39	0.37	0.27	0.32	0.81	0.00	0.00	0.48	0.39	0.64	0.76	0.80	0.75	0.36	0.66	0.72	0.82
11	13	11	0.06	0.34	0.34	0.32	0.30	0.28	0.80	0.00	0.00	0.59	0.51	0.74	0.84	0.87	0.83	0.37	0.82	0.83	0.87
11	13	12	0.03	0.30	0.26	0.24	0.44	0.25	0.73	0.00	0.01	0.68	0.61	0.80	0.88	0.99	0.87	0.49	0.85	0.85	0.90
11	13	13	0.00	0.26	0.18	0.16	0.45	0.19	0.65	0.00	0.03	0.72	0.67	0.80	0.88	0.94	0.86	0.45	0.86	0.85	0.91
11	13	14	0.00	0.22	0.10	0.08	0.38	0.09	0.63	0.01	0.05	0.78	0.74	0.74	0.83	0.84	0.81	0.51	0.82	0.81	0.86
11	13	15	0.00	0.20	0.08	0.06	0.32	0.02	0.62	0.01	0.06	0.84	0.80	0.61	0.72	0.72	0.71	0.46	0.70	0.72	0.77
11	13	16	0.00	0.20	0.08	0.06	0.28	0.01	0.60	0.02	0.08	0.79	0.75	0.35	0.46	0.40	0.45	0.36	0.47	0.51	0.54
11	13	17	0.00	0.25	0.08	0.06	0.28	0.01	0.49	0.03	0.11	0.81	0.76	0.05	0.12	0.05	0.12	0.12	0.17	0.19	0.19
11	13	18	0.00	0.27	0.09	0.07	0.31	0.03	0.50	0.03	0.16	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	19	0.00	0.24	0.08	0.07	0.31	0.05	0.53	0.03	0.24	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	20	0.09	0.23	0.08	0.06	0.30	0.13	0.51	0.02	0.31	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	21	0.25	0.21	0.08	0.07	0.20	0.48	0.51	0.01	0.29	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	22	0.31	0.18	0.10	0.08	0.13	0.64	0.53	0.02	0.22	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	23	0.32	0.16	0.13	0.11	0.12	0.53	0.51	0.02	0.18	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	13	24	0.33	0.15	0.14	0.12	0.14	0.46	0.41	0.02	0.12	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	1	0.33	0.15	0.17	0.15	0.12	0.39	0.46	0.07	0.08	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	2	0.33	0.17	0.23	0.21	0.08	0.36	0.46	0.13	0.04	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	3	0.33	0.19	0.27	0.24	0.04	0.37	0.48	0.24	0.02	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	4	0.33	0.21	0.32	0.30	0.02	0.33	0.49	0.30	0.01	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	5	0.34	0.23	0.34	0.32	0.02	0.33	0.48	0.37	0.00	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	6	0.36	0.26	0.35	0.33	0.02	0.35	0.47	0.41	0.00	0.50	0.41	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	14	7	0.38	0.29	0.38	0.36	0.02	0.34	0.45	0.44	0.00	0.45	0.35	0.01	0.08	0.24	0.07	0.00	0.00	0.00	0.04
11	14	8	0.36	0.29	0.39	0.37	0.03	0.28	0.48	0.44	0.02	0.33	0.24	0.22	0.39	0.56	0.38	0.26	0.28	0.25	0.41
11	14	9	0.34	0.29	0.36	0.34	0.04	0.20	0.53	0.38	0.01	0.50	0.40	0.48	0.64	0.77	0.63	0.58	0.60	0.51	0.66
11	14	10	0.30	0.29	0.33	0.30	0.04	0.17	0.55	0.35	0.02	0.48	0.38	0.67	0.80	0.89	0.78	0.72	0.75	0.74	0.79
11	14	11	0.29	0.36	0.31	0.29	0.09	0.21	0.61	0.36	0.06	0.42	0.32	0.78	0.88	0.98	0.86	0.86	0.82	0.82	0.86
11	14	12	0.27	0.41	0.30	0.28	0.09	0.23	0.62	0.34	0.11	0.39	0.29	0.83	0.91	1.00	0.90	0.91	0.86	0.86	0.87
11	14	13	0.31	0.41	0.29	0.27	0.12	0.26	0.59	0.35	0.11	0.37	0.26	0.82	0.91	1.00	0.89	0.90	0.86	0.85	0.89
11	14	14	0.32	0.40	0.28	0.26	0.11	0.29	0.54	0.35	0.12	0.34	0.23	0.77	0.86	0.96	0.84	0.86	0.80	0.81	0.86
11	14	15	0.35	0.36	0.29	0.27	0.13	0.30	0.45	0.34	0.12	0.31	0.20	0.63	0.74	0.83	0.72	0.73	0.69	0.71	0.76
11	14	16	0.42	0.34	0.31	0.29	0.16	0.28	0.34	0.35	0.11	0.30	0.19	0.36	0.47	0.43	0.46	0.45	0.49	0.47	0.49
11	14	17	0.41	0.36	0.35	0.33	0.23	0.31	0.31	0.41	0.16	0.31	0.20	0.05	0.12	0.06	0.12	0.14	0.18	0.16	0.16
11	14	18	0.37	0.33	0.38	0.36	0.26	0.29	0.28	0.46	0.33	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	19	0.31	0.32	0.44	0.42	0.23	0.20	0.28	0.44	0.51	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	20	0.25	0.35	0.49	0.47	0.15	0.12	0.30	0.42	0.54	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	21	0.18	0.34	0.53	0.52	0.16	0.06	0.36	0.40	0.40	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	22	0.11	0.35	0.57	0.56	0.21	0.04	0.34	0.40	0.24	0.48	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	23	0.06	0.33	0.63	0.61	0.26	0.02	0.31	0.38	0.17	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	14	24	0.05	0.31	0.66	0.65	0.32	0.02	0.29	0.37	0.14	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	1	0.02	0.39	0.71	0.70	0.37	0.02	0.28	0.34	0.12	0.43	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	2	0.01	0.43	0.77	0.76	0.40	0.02	0.30	0.33	0.12	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	3	0.00	0.40	0.77	0.76	0.44	0.03	0.29	0.31	0.12	0.24	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	4	0.00	0.34	0.76	0.75	0.47	0.03	0.33	0.30	0.13	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	5	0.00	0.32	0.76	0.75	0.50	0.03	0.39	0.29	0.10	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	6	0.00	0.37	0.76	0.75	0.50	0.02	0.47	0.27	0.09	0.29	0.18	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	15	7	0.00	0.37	0.77	0.76	0.52	0.03	0.52	0.17	0.08	0.28	0.17	0.00	0.07	0.21	0.07	0.00	0.00	0.00	0.02
11	15	8	0.00	0.39	0.76	0.75	0.57	0.03	0.54	0.09	0.06	0.22	0.11	0.21	0.38	0.56	0.37	0.32	0.22	0.26	0.37
11	15	9	0.00	0.36	0.73	0.72	0.57	0.02	0.58	0.03	0.03	0.21	0.10	0.48	0.64	0.76	0.63	0.61	0.51	0.58	0.62
11	15	10	0.00	0.36	0.70	0.68	0.52	0.02	0.64	0.00	0.05	0.20	0.09	0.66	0.79	0.87	0.78	0.75	0.73	0.74	0.77
11	15	11	0.00	0.40	0.67	0.66	0.50	0.03	0.68	0.00	0.02	0.19	0.09	0.76	0.86	0.91	0.85	0.72	0.81	0.82	0.83
11	15	12	0.00	0.34	0.67	0.66	0.51	0.03	0.76	0.00	0.01	0.24	0.13	0.81	0.89	0.89	0.88	0.77	0.83	0.83	0.87
11	15	13	0.00	0.26	0.64	0.63	0.51	0.05	0.80	0.00	0.01	0.31	0.19	0.78	0.86	0.95	0.85	0.53	0.81	0.83	0.87
11	15	14	0.00	0.14	0.58	0.56	0.48	0.13	0.77	0.00	0.00	0.35	0.23	0.71	0.80	0.86	0.79	0.36	0.78	0.78	0.81
11	15	15	0.00	0.11	0.52	0.50	0.45	0.18	0.76	0.00	0.00	0.33	0.22	0.58	0.68	0.72	0.67	0.25	0.69	0.69	0.73
11	15	16	0.03	0.13	0.47	0.45	0.53	0.28	0.78	0.00	0.00	0.33	0.23	0.33	0.43	0.36	0.42	0.20	0.43	0.45	0.50
11	15	17	0.06	0.09	0.50	0.48	0.69	0.38	0.81	0.00	0.00	0.46	0.36	0.05	0.11	0.06	0.10	0.05	0.15	0.15	0.16
11	15	18	0.05	0.11	0.56	0.54	0.74	0.38	0.84	0.00	0.00	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	19	0.04	0.14	0.60	0.59	0.72	0.46	0.84	0.03	0.00	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	20	0.09	0.23	0.61	0.60	0.71	0.55	0.85	0.02	0.00	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	21	0.06	0.32	0.57	0.55	0.72	0.57	0.89	0.00	0.00	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	22	0.04	0.28	0.58	0.56	0.69	0.57	0.93	0.00	0.00	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	23	0.05	0.18	0.64	0.63	0.68	0.55	0.95	0.00	0.00	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	15	24	0.04	0.15	0.72	0.71	0.67	0.47	0.95	0.00	0.00	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	1	0.06	0.13	0.77	0.76	0.63	0.47	0.94	0.00	0.01	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	2	0.05	0.11	0.80	0.79	0.61	0.47	0.94	0.00	0.00	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	3	0.04	0.10	0.81	0.80	0.49	0.40	0.95	0.00	0.01	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	4	0.05	0.08	0.83	0.83	0.52	0.39	0.94	0.00	0.01	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	5	0.03	0.02	0.84	0.84	0.57	0.33	0.94	0.00	0.01	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	6	0.04	0.00	0.86	0.85	0.57	0.28	0.94	0.00	0.00	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	7	0.01	0.01	0.86	0.85	0.52	0.21	0.92	0.00	0.00	0.87	0.84	0.00	0.05	0.13	0.05	0.00	0.00	0.00	0.02
11	16	8	0.00	0.02	0.86	0.86	0.52	0.13	0.91	0.00	0.00	0.84	0.81	0.16	0.29	0.40	0.28	0.07	0.11	0.08	0.35
11	16	9	0.00	0.02	0.85	0.84	0.48	0.06	0.92	0.00	0.00	0.78	0.73	0.37	0.49	0.59	0.48	0.16	0.24	0.26	0.55
11	16	10	0.00	0.01	0.83	0.82	0.40	0.02	0.92	0.00	0.00	0.75	0.69	0.55	0.66	0.71	0.65	0.14	0.46	0.66	0.65
11	16	11	0.00	0.01	0.86	0.85	0.38	0.01	0.96	0.00	0.00	0.59	0.53	0.62	0.70	0.77	0.69	0.14	0.45	0.48	0.72
11	16	12	0.00	0.02	0.88	0.88	0.42	0.00	0.97	0.00	0.00	0.78	0.72	0.71	0.79	0.74	0.78	0.19	0.65	0.73	0.78
11	16	13	0.00	0.05	0.89	0.88	0.42	0.00	0.97	0.00	0.00	0.80	0.74	0.70	0.78	0.75	0.76	0.31	0.65	0.76	0.74
11	16	14	0.00	0.05	0.86	0.85	0.39	0.00	0.95	0.00	0.00	0.62	0.57	0.62	0.69	0.65	0.68	0.25	0.55	0.76	0.79
11	16	15	0.00	0.06	0.79	0.78	0.41	0.00	0.90	0.00	0.00	0.75	0.69	0.48	0.56	0.53	0.55	0.25	0.40	0.59	0.61
11	16	16	0.00	0.06	0.74	0.73	0.43	0.00	0.87	0.00	0.01	0.71	0.65	0.24	0.32	0.29	0.31	0.16	0.38	0.29	0.39
11	16	17	0.01	0.06	0.72	0.71	0.43	0.00	0.87	0.00	0.07	0.69	0.63	0.02	0.06	0.03	0.06	0.04	0.10	0.05	0.10
11	16	18	0.08	0.12	0.72	0.71	0.47	0.00	0.90	0.00	0.18	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	19	0.09	0.10	0.72	0.70	0.50	0.00	0.89	0.00	0.17	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	20	0.07	0.11	0.69	0.68	0.53	0.00	0.86	0.00	0.13	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	21	0.07	0.18	0.66	0.65	0.56	0.00	0.84	0.00	0.11	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	22	0.08	0.16	0.63	0.61	0.53	0.02	0.84	0.00	0.06	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	23	0.09	0.10	0.59	0.57	0.51	0.06	0.85	0.00	0.03	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	16	24	0.09	0.11	0.59	0.57	0.55	0.12	0.87	0.00	0.03	0.70	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	1	0.10	0.18	0.59	0.57	0.54	0.25	0.85	0.00	0.03	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	2	0.11	0.23	0.57	0.56	0.48	0.32	0.83	0.00	0.04	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	3	0.10	0.18	0.55	0.54	0.45	0.29	0.83	0.00	0.06	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	4	0.09	0.11	0.55	0.53	0.48	0.27	0.83	0.00	0.08	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	5	0.05	0.13	0.54	0.53	0.47	0.23	0.83	0.00	0.10	0.38	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	6	0.00	0.08	0.53	0.51	0.55	0.18	0.80	0.00	0.11	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	17	7	0.00	0.03	0.57	0.55	0.68	0.16	0.77	0.00	0.11	0.13	0.04	0.00	0.05	0.22	0.05	0.00	0.00	0.00	0.01
11	17	8	0.00	0.01	0.55	0.53	0.74	0.12	0.76	0.00	0.08	0.07	0.00	0.17	0.31	0.49	0.30	0.09	0.11	0.26	0.33
11	17	9	0.00	0.01	0.53	0.52	0.75	0.09	0.78	0.00	0.02	0.05	0.00	0.40	0.53	0.72	0.52	0.21	0.44	0.52	0.54
11	17	10	0.00	0.01	0.55	0.54	0.72	0.05	0.77	0.00	0.00	0.05	0.00	0.56	0.67	0.85	0.66	0.28	0.51	0.74	0.72
11	17	11	0.00	0.01	0.62	0.60	0.71	0.04	0.77	0.00	0.00	0.07	0.00	0.70	0.79	0.89	0.77	0.35	0.66	0.84	0.81
11	17	12	0.00	0.01	0.71	0.70	0.76	0.03	0.75	0.00	0.01	0.09	0.01	0.76	0.85	0.92	0.83	0.38	0.81	0.86	0.82
11	17	13	0.00	0.00	0.78	0.77	0.86	0.02	0.73	0.00	0.02	0.10	0.01	0.76	0.83	0.90	0.82	0.43	0.81	0.85	0.83
11	17	14	0.00	0.00	0.84	0.83	0.84	0.01	0.73	0.00	0.02	0.12	0.03	0.71	0.80	0.77	0.78	0.39	0.77	0.79	0.83
11	17	15	0.00	0.00	0.88	0.88	0.74	0.00	0.71	0.00	0.02	0.14	0.04	0.58	0.68	0.63	0.67	0.35	0.63	0.68	0.75

			Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
11	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
11	12	7	0.03	0.12	0.20	0.28	0.19	0.12	0.12	0.19	0.14	0.21	0.29	0.42	1.00	1.00	1.00
11	12	8	0.46	0.58	0.57	0.65	0.54	0.57	0.58	0.53	0.49	0.54	0.62	0.78	1.00	1.00	1.00
11	12	9	0.73	0.84	0.84	0.85	0.79	0.83	0.84	0.78	0.71	0.77	0.75	0.92	1.00	1.00	1.00
11	12	10	0.88	0.97	0.97	0.96	0.92	0.94	0.95	0.92	0.86	0.90	0.92	0.85	1.00	1.00	1.00
11	12	11	0.95	1.00	1.00	1.00	1.00	0.96	0.97	1.00	0.95	0.95	0.93	0.78	1.00	1.00	1.00
11	12	12	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.97	0.95	0.77	1.00	1.00	1.00
11	12	13	0.97	1.00	1.00	1.00	1.00	0.94	0.99	1.00	0.95	0.93	0.86	0.50	1.00	1.00	1.00
11	12	14	0.92	1.00	0.99	0.96	0.96	0.93	0.95	0.95	0.90	0.88	0.83	0.45	1.00	1.00	1.00
11	12	15	0.82	0.90	0.89	0.87	0.85	0.85	0.84	0.84	0.79	0.79	0.65	0.33	1.00	1.00	1.00
11	12	16	0.58	0.61	0.66	0.56	0.57	0.58	0.55	0.56	0.33	0.51	0.41	0.11	1.00	1.00	1.00
11	12	17	0.23	0.21	0.21	0.13	0.14	0.16	0.16	0.14	0.04	0.13	0.05	0.00	1.00	1.00	1.00
11	12	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	12	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	1.00
11	13	7	0.02	0.11	0.23	0.28	0.24	0.18	0.17	0.24	0.24	0.21	0.37	0.47	1.00	1.00	1.00
11	13	8	0.45	0.54	0.63	0.63	0.62	0.57	0.58	0.62	0.61	0.55	0.68	0.83	1.00	1.00	1.00
11	13	9	0.72	0.79	0.83	0.83	0.83	0.79	0.78	0.82	0.79	0.69	0.83	0.98	1.00	1.00	1.00
11	13	10	0.86	0.94	0.95	0.94	0.94	0.88	0.90	0.93	0.88	0.77	0.91	1.00	1.00	1.00	1.00
11	13	11	0.93	1.00	1.00	0.97	0.98	0.93	0.95	0.97	0.92	0.82	0.94	1.00	1.00	1.00	1.00
11	13	12	0.96	1.00	1.00	1.00	0.99	0.98	0.97	0.98	0.93	0.84	0.97	1.00	1.00	1.00	1.00
11	13	13	0.95	1.00	1.00	0.99	0.98	0.97	0.97	0.97	0.91	0.84	0.95	1.00	1.00	1.00	1.00
11	13	14	0.88	0.96	0.96	0.93	0.93	0.92	0.91	0.92	0.85	0.81	0.90	0.94	1.00	1.00	1.00
11	13	15	0.81	0.84	0.88	0.83	0.81	0.80	0.81	0.81	0.69	0.72	0.79	0.73	1.00	1.00	1.00
11	13	16	0.59	0.47	0.65	0.44	0.49	0.51	0.55	0.49	0.42	0.46	0.47	0.30	1.00	1.00	1.00
11	13	17	0.24	0.14	0.20	0.08	0.11	0.13	0.15	0.11	0.05	0.11	0.05	0.00	1.00	1.00	1.00
11	13	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	13	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.00	1.00	1.00
11	14	7	0.02	0.12	0.21	0.28	0.22	0.18	0.18	0.21	0.21	0.18	0.36	0.56	1.00	1.00	1.00
11	14	8	0.43	0.55	0.61	0.63	0.60	0.60	0.58	0.60	0.56	0.52	0.68	0.85	1.00	1.00	1.00
11	14	9	0.70	0.81	0.83	0.82	0.81	0.81	0.78	0.80	0.78	0.74	0.84	0.99	1.00	1.00	1.00
11	14	10	0.84	0.94	0.95	0.92	0.92	0.92	0.87	0.91	0.87	0.85	0.93	1.00	1.00	1.00	1.00
11	14	11	0.91	1.00	1.00	0.96	0.96	0.97	0.92	0.95	0.93	0.90	0.97	1.00	1.00	1.00	1.00
11	14	12	0.94	1.00	1.00	0.99	0.97	0.97	0.93	0.96	0.93	0.93	0.98	1.00	1.00	1.00	1.00
11	14	13	0.93	1.00	1.00	0.99	0.97	0.95	0.92	0.97	0.93	0.93	0.95	1.00	1.00	1.00	1.00
11	14	14	0.90	0.98	0.96	0.94	0.93	0.89	0.90	0.92	0.89	0.90	0.90	0.96	1.00	1.00	1.00
11	14	15	0.81	0.87	0.87	0.81	0.81	0.78	0.77	0.80	0.78	0.81	0.79	0.79	1.00	1.00	1.00
11	14	16	0.58	0.65	0.59	0.48	0.54	0.51	0.52	0.53	0.29	0.53	0.43	0.37	1.00	1.00	1.00
11	14	17	0.23	0.22	0.18	0.11	0.13	0.12	0.14	0.13	0.05	0.12	0.05	0.00	1.00	1.00	1.00
11	14	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	14	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
11	15	7	0.02	0.08	0.21	0.25	0.20	0.19	0.16	0.20	0.22	0.18	0.22	0.53	1.00	1.00	1.00
11	15	8	0.41	0.53	0.59	0.62	0.59	0.58	0.58	0.58	0.59	0.56	0.42	0.87	1.00	1.00	1.00
11	15	9	0.68	0.80	0.82	0.82	0.81	0.78	0.80	0.80	0.80	0.76	0.57	1.00	1.00	1.00	1.00
11	15	10	0.83	0.95	0.94	0.93	0.92	0.88	0.90	0.91	0.89	0.87	0.62	1.00	1.00	1.00	1.00
11	15	11	0.89	1.00	0.99	0.98	0.96	0.95	0.95	0.95	0.93	0.92	0.80	1.00	1.00	1.00	1.00
11	15	12	0.94	1.00	1.00	0.99	0.98	0.93	0.93	0.97	0.92	0.92	0.68	1.00	1.00	1.00	1.00
11	15	13	0.94	1.00	0.99	0.98	0.96	0.91	0.96	0.95	0.91	0.90	0.72	1.00	1.00	1.00	1.00
11	15	14	0.89	0.97	0.96	0.91	0.92	0.87	0.91	0.91	0.84	0.87	0.59	0.93	1.00	1.00	1.00
11	15	15	0.81	0.87	0.86	0.70	0.80	0.79	0.78	0.79	0.76	0.74	0.43	0.69	1.00	1.00	1.00
11	15	16	0.57	0.66	0.60	0.39	0.47	0.52	0.45	0.46	0.30	0.46	0.26	0.24	1.00	1.00	1.00
11	15	17	0.22	0.22	0.17	0.06	0.09	0.12	0.10	0.09	0.05	0.11	0.03	0.00	1.00	1.00	1.00
11	15	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	15	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
11	16	7	0.01	0.03	0.14	0.09	0.20	0.17	0.11	0.20	0.11	0.10	0.28	0.19	1.00	1.00	1.00
11	16	8	0.30	0.28	0.50	0.51	0.58	0.50	0.55	0.57	0.32	0.45	0.54	0.31	1.00	1.00	1.00
11	16	9	0.52	0.58	0.70	0.64	0.78	0.74	0.80	0.77	0.57	0.65	0.71	0.31	1.00	1.00	1.00
11	16	10	0.70	0.83	0.83	0.80	0.88	0.88	0.92	0.87	0.75	0.75	0.88	0.26	1.00	1.00	1.00
11	16	11	0.85	0.90	0.93	0.86	0.84	0.93	0.97	0.83	0.87	0.83	0.96	0.28	1.00	1.00	1.00
11	16	12	0.91	1.00	0.92	0.94	0.93	0.96	0.97	0.92	0.92	0.84	0.97	0.28	1.00	1.00	1.00
11	16	13	0.87	1.00	0.88	0.89	0.82	0.94	0.95	0.81	0.89	0.84	0.96	0.44	1.00	1.00	1.00
11	16	14	0.75	0.96	0.84	0.73	0.66	0.87	0.78	0.66	0.86	0.74	0.90	0.31	1.00	1.00	1.00
11	16	15	0.64	0.79	0.61	0.69	0.70	0.65	0.62	0.70	0.75	0.60	0.79	0.33	1.00	1.00	1.00
11	16	16	0.45	0.43	0.34	0.41	0.29	0.42	0.31	0.28	0.33	0.37	0.41	0.13	1.00	1.00	1.00
11	16	17	0.15	0.11	0.07	0.07	0.05	0.08	0.07	0.04	0.05	0.07	0.04	0.00	1.00	1.00	1.00
11	16	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.00	1.00	1.00
11	17	7	0.01	0.01	0.10	0.22	0.19	0.16	0.12	0.19	0.23	0.13	0.34	0.49	1.00	1.00	1.00
11	17	8	0.28	0.30	0.47	0.61	0.58	0.55	0.51	0.58	0.56	0.44	0.65	0.79	1.00	1.00	1.00
11	17	9	0.49	0.42	0.76	0.80	0.77	0.77	0.75	0.76	0.73	0.58	0.83	0.93	1.00	1.00	1.00
11	17	10	0.66	0.65	0.88	0.84	0.87	0.86	0.90	0.86	0.74	0.71	0.92	1.00	1.00	1.00	1.00
11	17	11	0.84	0.88	0.88	0.94	0.94	0.94	0.96	0.94	0.73	0.75	0.97	1.00	1.00	1.00	1.00
11	17	12	0.94	1.00	0.96	0.93	0.93	0.95	0.98	0.92	0.72	0.82	0.97	1.00	1.00	1.00	1.00
11	17	13	0.93	1.00	0.98	0.78	0.92	0.93	0.97	0.91	0.77	0.82	0.95	1.00	1.00	1.00	1.00
11	17	14	0.91	0.97	0.95	0.81	0.90	0.88	0.90	0.89	0.64	0.76	0.87	0.83	1.00	1.00	1.00
11	17	15	0.81	0.85	0.86	0.71	0.73	0.79	0.77	0.73	0.60	0.69	0.71	0.63	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Win	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
11	17	16	0.00	0.15	0.38	0.22	0.00	0.11	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.86	0.62	0.00	0.61	0.00	0.01	0.15	0.06	0.32	0.42	0.33	0.41	0.29	0.38	0.40	0.51	0.57	0.53	0.61	0.37	0.42	0.51	0.52	0.42	0.31	0.36	0.42	0.27	1.00	1.00	1.00
11	17	17	0.00	0.20	0.55	0.18	0.00	0.09	0.30	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.77	0.76	0.65	0.01	0.65	0.00	0.05	0.20	0.10	0.04	0.10	0.03	0.09	0.07	0.11	0.12	0.16	0.21	0.16	0.17	0.05	0.07	0.11	0.13	0.07	0.02	0.06	0.03	0.00	1.00	1.00	1.00
11	17	18	0.00	0.26	0.59	0.18	0.00	0.07	0.36	0.07	0.01	0.00	0.00	0.00	0.00	0.02	0.69	0.68	0.70	0.01	0.66	0.00	0.15	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	19	0.00	0.28	0.63	0.15	0.00	0.07	0.38	0.09	0.00	0.00	0.00	0.00	0.00	0.05	0.69	0.68	0.70	0.00	0.75	0.00	0.20	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	20	0.00	0.30	0.62	0.13	0.01	0.06	0.31	0.10	0.00	0.00	0.00	0.00	0.00	0.06	0.64	0.63	0.72	0.01	0.86	0.00	0.20	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	21	0.00	0.27	0.51	0.12	0.02	0.07	0.24	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.57	0.56	0.78	0.01	0.88	0.00	0.16	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	22	0.00	0.18	0.46	0.13	0.06	0.08	0.20	0.02	0.02	0.00	0.00	0.00	0.00	0.04	0.42	0.40	0.73	0.04	0.88	0.00	0.07	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	23	0.00	0.14	0.47	0.15	0.14	0.10	0.19	0.00	0.02	0.00	0.00	0.00	0.00	0.03	0.33	0.30	0.60	0.09	0.89	0.00	0.03	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	17	24	0.00	0.18	0.60	0.17	0.20	0.09	0.18	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.33	0.31	0.46	0.14	0.90	0.00	0.01	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	1	0.00	0.26	0.62	0.20	0.23	0.09	0.18	0.00	0.05	0.00	0.00	0.00	0.00	0.01	0.37	0.34	0.39	0.17	0.92	0.00	0.00	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	2	0.00	0.34	0.55	0.20	0.20	0.11	0.17	0.00	0.05	0.00	0.00	0.00	0.01	0.01	0.37	0.35	0.39	0.16	0.92	0.00	0.00	0.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	3	0.00	0.36	0.52	0.22	0.17	0.15	0.19	0.00	0.05	0.00	0.00	0.00	0.01	0.01	0.34	0.31	0.43	0.18	0.90	0.00	0.00	0.36	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	4	0.01	0.40	0.52	0.23	0.09	0.23	0.21	0.00	0.07	0.00	0.00	0.00	0.02	0.02	0.29	0.27	0.47	0.20	0.88	0.00	0.00	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	5	0.03	0.40	0.45	0.24	0.02	0.25	0.22	0.00	0.08	0.02	0.00	0.00	0.03	0.04	0.27	0.25	0.52	0.23	0.88	0.00	0.00	0.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	6	0.03	0.32	0.38	0.25	0.01	0.14	0.23	0.00	0.08	0.02	0.00	0.01	0.04	0.07	0.28	0.26	0.56	0.28	0.88	0.00	0.00	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
11	18	7	0.04	0.22	0.33	0.26	0.02	0.11	0.23	0.00	0.09	0.03	0.00	0.04	0.05	0.11	0.29	0.27	0.65	0.32	0.88	0.00	0.00	0.22	0.11	0.00	0.06	0.18	0.06	0.00	0.00	0.00	0.02	0.01	0.07	0.16	0.21	0.17	0.16	0.14	0.17	0.10	0.09	0.32	0.49	1.00	1.00	1.00
11	18	8	0.07	0.12	0.32	0.28	0.02	0.12	0.20	0.00	0.13	0.06	0.00	0.05	0.08	0.13	0.30	0.28	0.77	0.38	0.84	0.00	0.00	0.12	0.03	0.19	0.34	0.55	0.33	0.19	0.07	0.19	0.36	0.40	0.50	0.57	0.57	0.57	0.57	0.53	0.56	0.43	0.46	0.65	0.82	1.00	1.00	1.00
11	18	9	0.06	0.06	0.28	0.28	0.01	0.13	0.16	0.00	0.12	0.05	0.00	0.05	0.07	0.12	0.30	0.28	0.85	0.34	0.80	0.00	0.00	0.06	0.00	0.43	0.57	0.76	0.56	0.36	0.20	0.45	0.63	0.68	0.78	0.79	0.76	0.75	0.80	0.74	0.74	0.56	0.68	0.82	0.97	1.00	1.00	1.00
11	18	10	0.06	0.03	0.24	0.26	0.00	0.06	0.10	0.00	0.11	0.05	0.00	0.03	0.07	0.09	0.29	0.27	0.87	0.27	0.83	0.00	0.00	0.03	0.00	0.59	0.70	0.88	0.69	0.41	0.30	0.60	0.78	0.83	0.90	0.92	0.89	0.88	0.90	0.85	0.87	0.72	0.79	0.90	1.00	1.00	1.00	1.00
11	18	11	0.06	0.02	0.25	0.31	0.00	0.02	0.06	0.00	0.12	0.05	0.00	0.00	0.07	0.07	0.30	0.28	0.91	0.27	0.91	0.00	0.00	0.02	0.00	0.72	0.81	0.96	0.80	0.50	0.54	0.80	0.86	0.92	1.00	0.99	0.93	0.95	0.89	0.94	0.94	0.84	0.87	0.93	1.00	1.00	1.00	1.00
11	18	12	0.07	0.03	0.27	0.37	0.00	0.03	0.05	0.00	0.13	0.06	0.00	0.00	0.08	0.04	0.31	0.28	0.93	0.36	0.95	0.00	0.00	0.03	0.00	0.78	0.86	0.98	0.85	0.58	0.68	0.84	0.89	0.95	1.00	1.00	0.97	0.96	0.91	0.97	0.96	0.86	0.89	0.94	1.00	1.00	1.00	1.00
11	18	13	0.08	0.07	0.29	0.39	0.00	0.04	0.05	0.00	0.14	0.07	0.00	0.00	0.09	0.02	0.29	0.27	0.95	0.53	0.95	0.00	0.00	0.07	0.00	0.78	0.86	0.97	0.84	0.57	0.74	0.84	0.88	0.92	1.00	0.99	0.94	0.94	0.93	0.94	0.94	0.87	0.88	0.93	1.00	1.00	1.00	1.00
11	18	14	0.10	0.13	0.30	0.42	0.00	0.06	0.06	0.00	0.16	0.09	0.00	0.00	0.11	0.01	0.28	0.26	0.94	0.62	0.92	0.00	0.01	0.13	0.04	0.74	0.83	0.89	0.81	0.68	0.77	0.80	0.84	0.88	0.97	0.94	0.91	0.90	0.86	0.89	0.89	0.75	0.83	0.85	0.93	1.00	1.00	1.00
11	18	15	0.11	0.19	0.23	0.42	0.00	0.08	0.10	0.00	0.17	0.10	0.00	0.00	0.12	0.01	0.27	0.25	0.89	0.63	0.84	0.00	0.01	0.19	0.09	0.61	0.72	0.73	0.71	0.64	0.65	0.71	0.75	0.79	0.85	0.85	0.82	0.80	0.78	0.76	0.79	0.65	0.76	0.70	0.68	1.00	1.00	1.00
11	18	16	0.12	0.25	0.13	0.40	0.01	0.09	0.14	0.00	0.18	0.11	0.00	0.00	0.13	0.00	0.28	0.26	0.81	0.65	0.75	0.00	0.01	0.25	0.15	0.35	0.45	0.37	0.45	0.45	0.42	0.47	0.52	0.55	0.60	0.60	0.52	0.43	0.47	0.50	0.43	0.30	0.43	0.35	0.31	1.00	1.00	1.00
11	18	17	0.15	0.44	0.06	0.42	0.09	0.10	0.20	0.00	0.21	0.14	0.00	0.00	0.16	0.01	0.29	0.26	0.89	0.82	0.76	0.02	0.03	0.44	0.34	0.04	0.11	0.04	0.10	0.13	0.13	0.15	0.17	0.20	0.19	0.17	0.10	0.08	0.10	0.11	0.07	0.03	0.08	0.03	0.00	1.00	1.00	1.00
11	18	18	0.19	0.59	0.03	0.50	0.23	0.14	0.27	0.00	0.25	0.18	0.00	0.00	0.20	0.01	0.28	0.26	0.93	0.87	0.81	0.04	0.10	0.59	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	19	0.22	0.64	0.03	0.52	0.30	0.20	0.33	0.00	0.28	0.21	0.00	0.00	0.23	0.00	0.27	0.25	0.96	0.87	0.85	0.07	0.15	0.64	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	20	0.20	0.69	0.04	0.50	0.35	0.19	0.34	0.00	0.26	0.19	0.00	0.00	0.21	0.00	0.27	0.24	0.95	0.86	0.83	0.09	0.16	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	21	0.12	0.69	0.03	0.49	0.39	0.16	0.32	0.00	0.17	0.11	0.00	0.00	0.13	0.00	0.25	0.23	0.91	0.85	0.82	0.11	0.12	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	22	0.08	0.65	0.02	0.52	0.37	0.15	0.32	0.00	0.14	0.08	0.00	0.00	0.09	0.00	0.24	0.22	0.89	0.87	0.83	0.11	0.10	0.65	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	23	0.13	0.61	0.02	0.54	0.33	0.19	0.33	0.00	0.19	0.12	0.00	0.00	0.14	0.00	0.23	0.21	0.88	0.89	0.83	0.10	0.10	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	18	24	0.16	0.61	0.01	0.57	0.29	0.22	0.34	0.00	0.22	0.15	0.00	0.00	0.17	0.00	0.23	0.21	0.87	0.90	0.83	0.08	0.11	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	1	0.14	0.63	0.01	0.59	0.29	0.42	0.37	0.01	0.20	0.13	0.00	0.00	0.15	0.00	0.22	0.20	0.85	0.88	0.83	0.08	0.13	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	2	0.12	0.68	0.00	0.58	0.29	0.43	0.41	0.05	0.18	0.11	0.00	0.00	0.13	0.00	0.23	0.21	0.84	0.89	0.81	0.09	0.16	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	3	0.12	0.71	0.00	0.60	0.26	0.43	0.45	0.10	0.18	0.11	0.00	0.00	0.13	0.00	0.27	0.25	0.83	0.85	0.83	0.11	0.21	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	4	0.15	0.72	0.00	0.61	0.22	0.35	0.47	0.15	0.21	0.14	0.00	0.00	0.16	0.00	0.26	0.23	0.82	0.76	0.84	0.10	0.28	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	5	0.15	0.75	0.00	0.61	0.25	0.33	0.47	0.20	0.21	0.14	0.00	0.00	0.16	0.01	0.19	0.17	0.83	0.73	0.83	0.09	0.33	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	6	0.12	0.81	0.00	0.60	0.26	0.33	0.48	0.23	0.17	0.11	0.00	0.00	0.13	0.02	0.13	0.11	0.83	0.74	0.76	0.09	0.37	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
11	19	7	0.11	0.89	0.00	0.54	0.24	0.26	0.53	0.23	0.17	0.10	0.00	0.00	0.12	0.04	0.11	0.09	0.84	0.76	0.73	0.09	0.39	0.89	0.86	0.00	0.06	0.22	0.06	0.00	0.00	0.00	0.01	0.01	0.04	0.18	0.23	0.17	0.19	0.12	0.17	0.24	0.15	0.33	0.47	1.00	1.00	1.00
11	19	8	0.11	0.86	0.00	0.50	0.18	0.18	0.57	0.23	0.17	0.10	0.00	0.00	0.12	0.05	0.11	0.09	0.86	0.79	0.73	0.09	0.36	0.86	0.83	0.18	0.32	0.61	0.32	0.03	0.20	0.16	0.27	0.33	0.50	0.56	0.60	0.56	0.57	0.54	0.56	0.57	0.55	0.65	0.81	1.00	1.00	1.00
11	19	9	0.09	0.81	0.00	0.37	0.07	0.11	0.55	0.18	0.15	0.08	0.00	0.00	0.10	0.05	0.16	0.13	0.85	0.81	0.75	0.09	0.23	0.81	0.77	0.41	0.54	0.83	0.53	0.10	0.46	0.37	0.44	0.64	0.77	0.79	0.79	0.78	0.79	0.75	0.77	0.75	0.75	0.82	0.97	1.00	1.00	1.00
11	19	10	0.07	0.79	0.00	0.24	0.01	0.11	0.49	0.10	0.13	0.06	0.00	0.00	0.08	0.04	0.19	0.17	0.81	0.83	0.82	0.06	0.22	0.79	0.75	0.57	0.68	0.92	0.66	0.13	0.43	0.69	0.58	0.78	0.89	0.91	0.90	0.88	0.90	0.85	0.87	0.83	0.82	0.92	1.00	1.00	1.00	1.00
11	19	11	0.11	0.80	0.00	0.18	0.00	0.07	0.45	0.09	0.17	0.10	0.00	0.00	0.12	0.03	0.21	0.19	0.79	0.90	0.88	0.05	0.28	0.80	0.76	0.67	0.76	0.91	0.74	0.22	0.56	0.77	0.63	0.86	0.95	0.96	0.93	0.95	0.96	0.89	0.94	0.86	0.88	0.95	1.00	1.00	1.00	1.00
11	19	12	0.20	0.81	0.01	0.20	0.00	0.04	0.46	0.14	0.26	0.19	0.00	0.00	0.21	0.03	0.24	0.22	0.67	0.91	0.91	0.08	0.35	0.81	0.77	0.70	0.77	0.94	0.76	0.35	0.28	0.69	0.69	0.93	1.00	0.99	0.97	0.97	0.98	0.93	0.96	0.90	0.90	0.96	1.00	1.00	1.00	1.00
11	19	13	0.34	0.82	0.02	0.25	0.02	0.02	0.49	0.23	0.39	0.34	0.01	0.00	0.35	0.03	0.25	0.23	0.47	0.94	0.93	0.12	0.41	0.82	0.78	0.70	0.78	0.84	0.76	0.39	0.35	0.76	0.65	0.93	0.98	0.99	0.95	0.96	0.96	0.91	0.95	0.89	0.86	0.94	1.00	1.00	1.00	1.00
11	19	14	0.58	0.82	0.03	0.27	0.03	0.04	0.52	0.36	0.62	0.58	0.01	0.00	0.59	0.04	0.24	0.22	0.34	0.96	0.93	0.16	0.50	0.82	0.78	0.66	0.74	0.73	0.73	0.50	0.38	0.58	0.70	0.85	0.96	0.94	0.91	0.90	0.87	0.89	0.90	0.84	0.86	0.88	0.93	1.00	1.00	1.00
11	19	15	0.70	0.81	0.03	0.24	0.02	0.05	0.56	0.50	0.73	0.69	0.03	0.00	0.70	0.04	0.24	0.22	0.44	0.97	0.85	0.21	0.56	0.81	0.77	0.54	0.64	0.69	0.62	0.54	0.35	0.30	0.68	0.75	0.84	0.84	0.81	0.78	0.78	0.75	0.77	0.75	0.76	0.77	0.76	1.00	1.00	1.00
11	19	16	0.75	0.80	0.04	0.17	0.01	0.11	0.60	0.62	0.77	0.75	0.05	0.00	0.76	0.04	0.23	0.21	0.47	0.95	0.69	0.22	0.54	0.80	0.77	0.30	0.39	0.33	0.38	0.36	0.32	0.23	0.47	0.49	0.44	0.56	0.45	0.46	0.48	0.48	0.45	0.28	0.43	0.33	0.35	1.00	1.00	1.00
11	19	17	0.73	0.89	0.06	0.13	0.03	0.16	0.65	0.67	0.75	0.72	0.10	0.00	0.73	0.04	0.22	0.20	0.38	0.96	0.65	0.24	0.62	0.89	0.86	0.03	0.08	0.03	0.08	0.09	0.08	0.03	0.14	0.17	0.11	0.15	0.07	0.08	0.09	0.10	0.08	0.06	0.07	0.03	0.00	1.00	1.00	1.00
11	19	18	0.66	0.89	0.11	0.15	0.11	0.25	0.71	0.67	0.69	0.66	0.11	0.02	0.67	0.09	0.26	0.23	0.26	0.96	0.63	0.20	0.68	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	19	0.49	0.89	0.17	0.16	0.17	0.48	0.77	0.65	0.53	0.48	0.08	0.05	0.49	0.12	0.25	0.23	0.27	0.93	0.63	0.17	0.74	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	20	0.42	0.90	0.16	0.23	0.08	0.76	0.78	0.60	0.47	0.42	0.07	0.10	0.43	0.18	0.21	0.19	0.31	0.89	0.58	0.16	0.76	0.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	21	0.40	0.92	0.13	0.30	0.01	0.82	0.77	0.55	0.44	0.39	0.09	0.13	0.40	0.21	0.18	0.16	0.36	0.90	0.59	0.15	0.80	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	22	0.41	0.92	0.23	0.44	0.01	0.79	0.73	0.51	0.46	0.40	0.12	0.17	0.42	0.25	0.16	0.14	0.38	0.89	0.59	0.13	0.81	0.92	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	23	0.37	0.93	0.38	0.50	0.11	0.79	0.73	0.51	0.42	0.36	0.14	0.21	0.38	0.28	0.16	0.14	0.34	0.84	0.54	0.12	0.77	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	19	24	0.38	0.93	0.35	0.57	0.37	0.65	0.76	0.52	0.43	0.37	0.15	0.23	0.39	0.30	0.23	0.21	0.31	0.72	0.51	0.13	0.72	0.93	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	1	0.38	0.94	0.24	0.61	0.52	0.62	0.78	0.52	0.43	0.38	0.17	0.24	0.39	0.31	0.25	0.23	0.36	0.50	0.46	0.14	0.68	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	2	0.39	0.94	0.22	0.63	0.58	0.79	0.77	0.54	0.44	0.38	0.16	0.24	0.40	0.31	0.28	0.26	0.33	0.29	0.45	0.15	0.68	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	3	0.36	0.94	0.18	0.64	0.62	0.67	0.76	0.55	0.40	0.35	0.15	0.25	0.36	0.32	0.27	0.25	0.31	0.20	0.44	0.15	0.67	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	4	0.44	0.94	0.11	0.63	0.65	0.90	0.74	0.56	0.48	0.43	0.13	0.29	0.45	0.36	0.23	0.21	0.29	0.26	0.39	0.16	0.62	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	5	0.60	0.95	0.08	0.65	0.70	0.78	0.71	0.59	0.64	0.59	0.10	0.29	0.60	0.36	0.19	0.17	0.26	0.31	0.34	0.18	0.57	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	6	0.59	0.95	0.07	0.64	0.68	0.69	0.66	0.60	0.63	0.59	0.09	0.28	0.60	0.35	0.15	0.13	0.23	0.30	0.35	0.17	0.56	0.95	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
11	20	7	0.57	0.94	0.05	0.64	0.64	0.84	0.64	0.58	0.61	0.56	0.07	0.28	0.58	0.36	0.12	0.10	0.23	0.28	0.31	0.18	0.55	0.94	0.92	0.00	0.02	0.17	0.02	0.00	0.00	0.00	0.01	0.01	0.03	0.07	0.05	0.03	0.07	0.08	0.03	0.19	0.09	0.24	0.42	1.00	1.00	1.00
11	20	8	0.49	0.88	0.01	0.65	0.60	0.86	0.61	0.55	0.53	0.48	0.04	0.26	0.49	0.34	0.10	0.08	0.21	0.24	0.24	0.17	0.57	0.88	0.85	0.12	0.23	0.52	0.23	0.27	0.22	0.21	0.20	0.32	0.43	0.41	0.33	0.22	0.17	0.39	0.22	0.46	0.44	0.53	0.77	1.00	1.00	1.00
11	20	9	0.43	0.78	0.00	0.64	0.51	0.65	0.54	0.49	0.48	0.43	0.03	0.21	0.44	0.28	0.08	0.07	0.22	0.17	0.21	0.18	0.54	0.77	0.73	0.34	0.46	0.67	0.45	0.62	0.57	0.49	0.32	0.52	0.72	0.70	0.72	0.34	0.20	0.45	0.34	0.59	0.61	0.67	0.95	1.00	1.00	1.00
11	20	10	0.35	0.78	0.00	0.63	0.36	0.45	0.47	0.33	0.40	0.35	0.05	0.16	0.36	0.23	0.07	0.05	0.31	0.16	0.19	0.13	0.63	0.78	0.74	0.51	0.61	0.76	0.60	0.77	0.73	0.72	0.43	0.62	0.92	0.92	0.92	0.56	0.17	0.41	0.56	0.71	0.80	0.69	1.00	1.00	1.00	1.00
11	20	11	0.25	0.87	0.00	0.61	0.23	0.39	0.42	0.19	0.31	0.24	0.07	0.20	0.26	0.27	0.05	0.04	0.31	0.13	0.19	0.11	0.73	0.87	0.85	0.62	0.70	0.80	0.69	0.82	0.83	0.83	0.52	0.79	0.96	0.99	0.97	0.78	0.23	0.30	0.77	0.80	0.91	0.74	1.00	1.00	1.00	1.00
11	20	12	0.15	0.94	0.00	0.62	0.13	0.36	0.38	0.17	0.20	0.14	0.08	0.23	0.16	0.30	0.05	0.03	0.36	0.14	0.19	0.13	0.82	0.94	0.92	0.68	0.75	0.85	0.74	0.85	0.86	0.86	0.52	0.90	0.83	1.00	0.97	0.91	0.47	0.30	0.90	0.81	0.90	0.77	1.00	1.00	1.00	1.00
11	20	13	0.08	0.95	0.00	0.62	0.06	0.32	0.37	0.14	0.14	0.07	0.09	0.21	0.09	0.29	0.05	0.04	0.46	0.17	0.18	0.14	0.85	0.95	0.93	0.68	0.75	0.79	0.74	0.81	0.84	0.85	0.52	0.94	0.87	0.99	0.96	0.92	0.57	0.21	0.91	0.88	0.90	0.63	0.96	1.00	1.00	1.00
11	20	14	0.11	0.95	0.00	0.63	0.04	0.31	0.36	0.07	0.17	0.10	0.07	0.21	0.12	0.28	0.06	0.04	0.51	0.27	0.17	0.14	0.84	0.95	0.93	0.66	0.74	0.76	0.73	0.81	0.81	0.81	0.60	0.82	0.77	0.97	0.94	0.91	0.71	0.29	0.91	0.88	0.87	0.44	0.83	1.00	1.00	1.00
11	20	15	0.19	0.92	0.00	0.64	0.02	0.29	0.35	0.01	0.25	0.18	0.08	0.23	0.20	0.30	0.06	0.04	0.56	0.41	0.18	0.13	0.80	0.92	0.90	0.57	0.67	0.69	0.66	0.71	0.69	0.70	0.54	0.78	0.74	0.87	0.81	0.81	0.74	0.42	0.80	0.76	0.80	0.45	0.65	1.00	1.00	1.00
11	20	16	0.26	0.82	0.02	0.65	0.00	0.26	0.36	0.01	0.32	0.26	0.07	0.19	0.27	0.26	0.06	0.05	0.51	0.55	0.22	0.18	0.72	0.82	0.79	0.33	0.44	0.34	0.43	0.45	0.48	0.44	0.41	0.52	0.55	0.60	0.40	0.54	0.54	0.37	0.54	0.34	0.46	0.28	0.26	1.00	1.00	1.00
11	20	17	0.29	0.84	0.09	0.76	0.01	0.29	0.52	0.06	0.34	0.28	0.03	0.07	0.30	0.14	0.08	0.06	0.49	0.66	0.26	0.20	0.61	0.84	0.81	0.04	0.10	0.04	0.09	0.11	0.16	0.13	0.11	0.19	0.16	0.16	0.06	0.11	0.12	0.07	0.11	0.04	0.08	0.02	0.00	1.00	1.00	1.00
11	20	18	0.30	0.90	0.12	0.79	0.04	0.49	0.66	0.06	0.35	0.29	0.01	0.08	0.30	0.15	0.10	0.08	0.53	0.76	0.26	0.18	0.62	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	19	0.32	0.90	0.14	0.79	0.13	0.41	0.64	0.02	0.37	0.31	0.01	0.12	0.33	0.19	0.10	0.08	0.56	0.74	0.28	0.27	0.71	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	20	0.31	0.86	0.12	0.81	0.21	0.25	0.56	0.01	0.36	0.30	0.02	0.15	0.32	0.23	0.10	0.08	0.48	0.62	0.28	0.27	0.80	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	21	0.28	0.84	0.12	0.80	0.25	0.36	0.49	0.06	0.34	0.28	0.02	0.14	0.29	0.21	0.11	0.09	0.38	0.51	0.27	0.22	0.82	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	22	0.26	0.86	0.12	0.77	0.21	0.52	0.45	0.14	0.31	0.25	0.03	0.12	0.27	0.20	0.12	0.10	0.31	0.44	0.24	0.24	0.79	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	23	0.27	0.81	0.09	0.75	0.14	0.55	0.40	0.19	0.33	0.26	0.11	0.11	0.28	0.19	0.12	0.10	0.25	0.40	0.22	0.42	0.76	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	20	24	0.31	0.65	0.08	0.76	0.08	0.48	0.32	0.22	0.36	0.30	0.25	0.13	0.32	0.20	0.12	0.10	0.21	0.37	0.19	0.62	0.69	0.65	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	1	0.31	0.63	0.08	0.76	0.06	0.53	0.22	0.19	0.36	0.30	0.40	0.15	0.32	0.23	0.13	0.11	0.19	0.31	0.16	0.71	0.48	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	2	0.32	0.63	0.08	0.75	0.03	0.47	0.17	0.21	0.37	0.31	0.48	0.18	0.32	0.26	0.13	0.11	0.18	0.29	0.12	0.71	0.27	0.63	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	3	0.28	0.64	0.07	0.74	0.01	0.46	0.14	0.26	0.34	0.27	0.60	0.19	0.29	0.26	0.13	0.11	0.13	0.23	0.07	0.70	0.16	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	4	0.24	0.72	0.10	0.74	0.00	0.53	0.12	0.28	0.29	0.23	0.68	0.25	0.25	0.32	0.14	0.12	0.09	0.16	0.05	0.69	0.16	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	5	0.22	0.68	0.11	0.71	0.02	0.52	0.11	0.22	0.27	0.21	0.75	0.28	0.23	0.35	0.15	0.13	0.07	0.12	0.04	0.68	0.30	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	6	0.21	0.66	0.11	0.67	0.13	0.35	0.10	0.17	0.27	0.20	0.81	0.34	0.22	0.40	0.15	0.13	0.07	0.14	0.02	0.66	0.18	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.00	1.00	1.00
11	21	7	0.17	0.62	0.09	0.64	0.38	0.22	0.07	0.18	0.22	0.16	0.82	0.44	0.18	0.50	0.15	0.13	0.07	0.15	0.02	0.64	0.13	0.62	0.54	0.00	0.05	0.16	0.04	0.00	0.00	0.00	0.01	0.01	0.03	0.10	0.24	0.16	0.13	0.06	0.16	0.03	0.08	0.32	0.47	1.00	1.00	1.00
11	21	8	0.21	0.46	0.11	0.63	0.45	0.25	0.04	0.17	0.27	0.20	0.81	0.49	0.22	0.54	0.15	0.13	0.05	0.14	0.01	0.58	0.12	0.46	0.36	0.17	0.32	0.48	0.31	0.29	0.14	0.23	0.33	0.38	0.53	0.56	0.61	0.56	0.47	0.23	0.56	0.19	0.33	0.64	0.82	1.00	1.00	1.00
11	21	9	0.24	0.30	0.11	0.61	0.27	0.31	0.00	0.13	0.30	0.23	0.78	0.51	0.25	0.56	0.15	0.13	0.02	0.12	0.01	0.48	0.08	0.30	0.19	0.44	0.59	0.69	0.58	0.65	0.53	0.54	0.62	0.68	0.80	0.82	0.83	0.78	0.65	0.32	0.78	0.31	0.58	0.78	0.99	1.00	1.00	1.00
11	21	10	0.24	0.24	0.05	0.49	0.05	0.07	0.00	0.11	0.30	0.24	0.77	0.52	0.25	0.57	0.13	0.11	0.01	0.16	0.01	0.44	0.09	0.24	0.13	0.61	0.73	0.79	0.72	0.82	0.73	0.74	0.79	0.84	0.96	0.95	0.93	0.90	0.70	0.24	0.89	0.33	0.80	0.80	1.00	1.00	1.00	1.00
11	21	11	0.25	0.21	0.01	0.40	0.00	0.05	0.00	0.16	0.30	0.24	0.78	0.52	0.26	0.57	0.12	0.10	0.00	0.20	0.04	0.41	0.09	0.21	0.10	0.72	0.82	0.88	0.80	0.89	0.82	0.81	0.87	0.93	1.00	1.00	1.00	0.99	0.58	0.42	0.98	0.49	0.93	0.81	1.00	1.00	1.00	1.00
11	21	12	0.29	0.16	0.03	0.37	0.00	0.04	0.00	0.21	0.34	0.28	0.77	0.53	0.30	0.58	0.12	0.10	0.00	0.24	0.07	0.38	0.08	0.16	0.06	0.78	0.86	0.87	0.85	0.88	0.85	0.86	0.91	0.97	1.00	1.00	1.00	1.00	0.65	0.54	1.00	0.57	0.96	0.67	1.00	1.00	1.00	1.00
11	21	13	0.35	0.13	0.08	0.34	0.00	0.04	0.00	0.26	0.40	0.34	0.74	0.52	0.36	0.57	0.12	0.10	0.00	0.24	0.09	0.36	0.07	0.13	0.04	0.79	0.87	0.88	0.85	0.89	0.84	0.87	0.90	0.95	1.00	1.00	1.00	1.00	0.78	0.51	0.99	0.73	0.96	0.58	1.00	1.00	1.00	1.00
11	21	14	0.38	0.13	0.14	0.30	0.00	0.05	0.00	0.27	0.43	0.37	0.72	0.51	0.39	0.56	0.13	0.11	0.00	0.24	0.09	0.34	0.06	0.13	0.04	0.73	0.82	0.87	0.80	0.79	0.82	0.81	0.85	0.89	0.99	0.98	0.97	0.95	0.80	0.47	0.94	0.86	0.92	0.63	0.98	1.00	1.00	1.00
11	21	15	0.37	0.14	0.17	0.26	0.00	0.05	0.00	0.25	0.42	0.36	0.71	0.51	0.37	0.57	0.13	0.11	0.00	0.26	0.09	0.34	0.06	0.14	0.04	0.61	0.72	0.73	0.70	0.69	0.71	0.71	0.76	0.80	0.89	0.89	0.85	0.81	0.72	0.55	0.80	0.81	0.78	0.42	0.79	1.00	1.00	1.00
11	21	16	0.34	0.16	0.24	0.24	0.00	0.06	0.01	0.22	0.39	0.33	0.70	0.51	0.34	0.56	0.15	0.13	0.01	0.26	0.09	0.35	0.05	0.16	0.06	0.33	0.43	0.35	0.42	0.46	0.46	0.43	0.51	0.51	0.55	0.54	0.42	0.50	0.50	0.35	0.49	0.29	0.43	0.26	0.32	1.00	1.00	1.00
11	21	17	0.35	0.22	0.37	0.29	0.00	0.09	0.05	0.21	0.40	0.35	0.67	0.51	0.36	0.56	0.19	0.17	0.01	0.29	0.08	0.38	0.07	0.22	0.12	0.04	0.09	0.03	0.09	0.12	0.14	0.11	0.15	0.18	0.15	0.13	0.05	0.09	0.09	0.06	0.09	0.03	0.07	0.01	0.00	1.00	1.00	1.00
11	21	18	0.38	0.29	0.41	0.28	0.00	0.16	0.07	0.24	0.43	0.37	0.65	0.56	0.39	0.61	0.19	0.17	0.03	0.34	0.07	0.38	0.09	0.29	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	19	0.40	0.30	0.36	0.28	0.00	0.21	0.09	0.25	0.45	0.39	0.62	0.64	0.41	0.68	0.17	0.15	0.04	0.34	0.05	0.40	0.17	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	20	0.33	0.32	0.34	0.32	0.00	0.25	0.09	0.17	0.38	0.32	0.61	0.63	0.34	0.68	0.15	0.13	0.05	0.32	0.04	0.43	0.27	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	21	0.26	0.31	0.36	0.33	0.00	0.22	0.07	0.12	0.31	0.25	0.59	0.54	0.27	0.58	0.14	0.12	0.05	0.29	0.04	0.44	0.29	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	22	0.21	0.28	0.36	0.34	0.00	0.20	0.05	0.10	0.27	0.20	0.54	0.47	0.22	0.53	0.14	0.12	0.06	0.19	0.05	0.40	0.24	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	23	0.12	0.27	0.35	0.35	0.00	0.16	0.03	0.07	0.17	0.11	0.50	0.43	0.13	0.49	0.14	0.12	0.07	0.13	0.07	0.39	0.19	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	21	24	0.07	0.25	0.32	0.35	0.00	0.17	0.01	0.04	0.13	0.06	0.47	0.39	0.08	0.45	0.14	0.12	0.08	0.10	0.09	0.40	0.15	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	1	0.05	0.21	0.32	0.35	0.00	0.18	0.00	0.00	0.10	0.04	0.48	0.36	0.06	0.42	0.14	0.12	0.09	0.07	0.11	0.38	0.13	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	2	0.05	0.19	0.32	0.35	0.00	0.20	0.00	0.00	0.10	0.04	0.48	0.34	0.06	0.41	0.13	0.11	0.12	0.05	0.14	0.35	0.12	0.19	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	3	0.06	0.17	0.31	0.39	0.01	0.14	0.00	0.00	0.12	0.05	0.45	0.32	0.07	0.39	0.13	0.10	0.14	0.04	0.19	0.32	0.12	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	4	0.05	0.17	0.31	0.40	0.05	0.13	0.00	0.00	0.11	0.04	0.42	0.28	0.06	0.35	0.12	0.10	0.17	0.04	0.25	0.29	0.12	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	5	0.05	0.16	0.29	0.47	0.08	0.17	0.00	0.00	0.11	0.04	0.39	0.25	0.06	0.32	0.11	0.09	0.19	0.05	0.29	0.27	0.09	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	6	0.04	0.17	0.28	0.51	0.11	0.17	0.00	0.00	0.10	0.03	0.33	0.23	0.05	0.30	0.11	0.09	0.22	0.05	0.33	0.23	0.09	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	7	0.02	0.15	0.27	0.51	0.14	0.14	0.00	0.00	0.07	0.01	0.26	0.21	0.03	0.28	0.11	0.09	0.23	0.06	0.32	0.16	0.09	0.15	0.05	0.00	0.05	0.08	0.05	0.00	0.00	0.00	0.01	0.01	0.03	0.14	0.18	0.17	0.13	0.11	0.17	0.06	0.05	0.31	0.02	1.00	1.00	1.00
11	22	8	0.01	0.15	0.25	0.54	0.17	0.15	0.00	0.00	0.06	0.00	0.18	0.20	0.02	0.28	0.11	0.09	0.22	0.05	0.23	0.09	0.07	0.15	0.05	0.19	0.36	0.33	0.35	0.30	0.20	0.23	0.37	0.39	0.53	0.59	0.61	0.58	0.52	0.51	0.57	0.18	0.36	0.65	0.08	1.00	1.00	1.00
11	22	9	0.01	0.13	0.18	0.51	0.14	0.20	0.00	0.00	0.06	0.00	0.08	0.19	0.02	0.26	0.10	0.08	0.18	0.04	0.11	0.02	0.03	0.13	0.04	0.48	0.64	0.50	0.63	0.66	0.56	0.56	0.66	0.69	0.82	0.83	0.83	0.82	0.74	0.74	0.81	0.32	0.50	0.82	0.11	1.00	1.00	1.00
11	22	10	0.01	0.12	0.08	0.39	0.03	0.15	0.00	0.00	0.06	0.00	0.02	0.18	0.02	0.26	0.09	0.07	0.17	0.04	0.08	0.00	0.04	0.12	0.03	0.68	0.81	0.59	0.80	0.81	0.73	0.75	0.80	0.83	0.98	0.95	0.96	0.94	0.88	0.91	0.93	0.35	0.61	0.93	0.12	1.00	1.00	1.00
11	22	11	0.01	0.13	0.02	0.36	0.00	0.08	0.00	0.00	0.07	0.00	0.00	0.14	0.02	0.21	0.08	0.07	0.17	0.04	0.08	0.00	0.05	0.13	0.04	0.80	0.90	0.69	0.89	0.89	0.83	0.84	0.88	0.92	1.00	1.00	0.99	0.98	0.94	0.97	0.98	0.65	0.68	0.95	0.15	1.00	1.00	1.00
11	22	12	0.02	0.13	0.02	0.38	0.00	0.09	0.00	0.00	0.07	0.01	0.00	0.06	0.03	0.13	0.08	0.06	0.17	0.04	0.07	0.02	0.08	0.13	0.04	0.85	0.94	0.70	0.92	0.92	0.86	0.85	0.92	0.97	1.00	1.00	1.00	1.00	0.93	0.99	1.00	0.63	0.75	0.92	0.14	1.00	1.00	1.00
11	22	13	0.03	0.13	0.03	0.41	0.00	0.12	0.00	0.00	0.08	0.02	0.00	0.04	0.03	0.10	0.08	0.06	0.16	0.05	0.04	0.05	0.10	0.13	0.04	0.84	0.93	0.64	0.91	0.92	0.83	0.86	0.91	0.94	1.00	1.00	1.00	0.99	0.92	0.98	0.98	0.38	0.81	0.84	0.14	1.00	1.00	1.00
11	22	14	0.05	0.14	0.02	0.41	0.00	0.14	0.00	0.00	0.11	0.04	0.00	0.03	0.06	0.10	0.08	0.07	0.14	0.07	0.02	0.06	0.11	0.14	0.04	0.78	0.87	0.63	0.86	0.91	0.79	0.77	0.86	0.91	1.00	0.99	0.97	0.95	0.90	0.92	0.94	0.37	0.77	0.87	0.15	1.00	1.00	1.00
11	22	15	0.07	0.16	0.04	0.42	0.00	0.16	0.00	0.01	0.13	0.06	0.00	0.02	0.08	0.09	0.09	0.07	0.12	0.08	0.01	0.07	0.10	0.16	0.06	0.64	0.76	0.53	0.74	0.82	0.68	0.70	0.75	0.82	0.88	0.88	0.87	0.82	0.79	0.82	0.81	0.19	0.73	0.79	0.11	1.00	1.00	1.00
11	22	16	0.09	0.15	0.06	0.42	0.00	0.16	0.00	0.02	0.14	0.08	0.00	0.03	0.10	0.10	0.10	0.08	0.11	0.10	0.01	0.09	0.10	0.15	0.05	0.35	0.46	0.29	0.45	0.50	0.45	0.47	0.48	0.55	0.52	0.61	0.54	0.51	0.48	0.51	0.51	0.29	0.44	0.38	0.03	1.00	1.00	1.00
11	22	17	0.14	0.11	0.09	0.51	0.00	0.28	0.00	0.04	0.20	0.13	0.02	0.07	0.15	0.14	0.11	0.09	0.15	0.13	0.01	0.09	0.10	0.11	0.02	0.04	0.10	0.03	0.09	0.13	0.14	0.14	0.13	0.19	0.14	0.15	0.08	0.09	0.09	0.11	0.09	0.01	0.08	0.03	0.00	1.00	1.00	1.00
11	22	18	0.19	0.09	0.11	0.58	0.00	0.55	0.00	0.05	0.25	0.18	0.03	0.14	0.20	0.22	0.12	0.10	0.16	0.16	0.02	0.11	0.12	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	19	0.20	0.09	0.12	0.62	0.04	0.64	0.01	0.05	0.26	0.19	0.04	0.22	0.21	0.30	0.12	0.10	0.14	0.18	0.03	0.18	0.14	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	20	0.19	0.10	0.11	0.63	0.18	0.38	0.02	0.00	0.25	0.18	0.04	0.31	0.20	0.38	0.12	0.10	0.12	0.20	0.06	0.19	0.17	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	21	0.17	0.10	0.10	0.63	0.22	0.23	0.02	0.00	0.23	0.16	0.10	0.36	0.18	0.43	0.11	0.09	0.12	0.21	0.06	0.19	0.21	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	22	0.18	0.11	0.10	0.64	0.22	0.14	0.02	0.00	0.24	0.17	0.13	0.45	0.19	0.51	0.11	0.09	0.16	0.20	0.06	0.24	0.25	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	23	0.21	0.11	0.11	0.65	0.27	0.05	0.01	0.00	0.26	0.20	0.12	0.44	0.22	0.50	0.10	0.08	0.19	0.20	0.05	0.32	0.33	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	22	24	0.22	0.12	0.14	0.67	0.37	0.14	0.00	0.00	0.28	0.21	0.23	0.37	0.23	0.44	0.10	0.08	0.23	0.22	0.04	0.39	0.46	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	1	0.24	0.13	0.14	0.67	0.45	0.14	0.00	0.01	0.30	0.23	0.31	0.20	0.25	0.27	0.09	0.07	0.26	0.25	0.03	0.44	0.52	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	2	0.29	0.15	0.13	0.66	0.57	0.27	0.00	0.08	0.35	0.28	0.25	0.13	0.30	0.20	0.09	0.07	0.29	0.25	0.02	0.40	0.54	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	3	0.25	0.16	0.12	0.68	0.65	0.44	0.01	0.22	0.31	0.24	0.25	0.12	0.26	0.20	0.08	0.06	0.32	0.26	0.01	0.39	0.55	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	4	0.22	0.17	0.12	0.68	0.59	0.36	0.01	0.24	0.28	0.21	0.32	0.15	0.23	0.23	0.08	0.06	0.32	0.26	0.01	0.42	0.54	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	5	0.20	0.19	0.11	0.67	0.61	0.79	0.01	0.23	0.25	0.19	0.45	0.14	0.21	0.22	0.08	0.06	0.29	0.23	0.02	0.42	0.53	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	6	0.31	0.18	0.10	0.64	0.66	0.89	0.01	0.27	0.36	0.30	0.51	0.14	0.32	0.21	0.07	0.05	0.29	0.22	0.03	0.54	0.39	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
11	23	7	0.43	0.18	0.07	0.64	0.69	0.84	0.01	0.32	0.48	0.42	0.50	0.16	0.44	0.23	0.07	0.05	0.27	0.23	0.05	0.59	0.24	0.18	0.07	0.00	0.05	0.13	0.04	0.00	0.00	0.00	0.01	0.01	0.03	0.08	0.20	0.21	0.13	0.10	0.21	0.16	0.07	0.31	0.17	1.00	1.00	1.00
11	23	8	0.49	0.16	0.03	0.68	0.74	0.75	0.01	0.47	0.53	0.48	0.50	0.18	0.50	0.25	0.06	0.04	0.26	0.26	0.06	0.64	0.10	0.16	0.06	0.18	0.34	0.50	0.34	0.28	0.19	0.22	0.33	0.38	0.49	0.58	0.61	0.58	0.56	0.46	0.58	0.53	0.56	0.66	0.32	1.00	1.00	1.00
11	23	9	0.51	0.16	0.00	0.66	0.75	0.49	0.00	0.43	0.55	0.51	0.53	0.21	0.52	0.28	0.06	0.04	0.20	0.32	0.05	0.57	0.02	0.16	0.06	0.48	0.64	0.70	0.63	0.65	0.57	0.58	0.66	0.69	0.81	0.84	0.84	0.81	0.81	0.68	0.80	0.80	0.79	0.85	0.29	1.00	1.00	1.00
11	23	10	0.50	0.16	0.00	0.57	0.72	0.15	0.00	0.33	0.53	0.49	0.68	0.26	0.50	0.33	0.05	0.04	0.14	0.36	0.07	0.58	0.02	0.16	0.06	0.68	0.82	0.80	0.80	0.82	0.75	0.73	0.81	0.85	0.97	0.98	0.98	0.95	0.91	0.90	0.94	0.91	0.92	0.95	0.29	1.00	1.00	1.00
11	23	11	0.61	0.16	0.00	0.49	0.65	0.12	0.00	0.45	0.64	0.60	0.77	0.34	0.61	0.41	0.04	0.02	0.10	0.40	0.10	0.54	0.00	0.16	0.06	0.81	0.91	0.87	0.90	0.89	0.83	0.83	0.89	0.93	1.00	1.00	1.00	1.00	0.95	0.98	1.00	0.96	0.97	1.00	0.39	1.00	1.00	1.00
11	23	12	0.78	0.17	0.00	0.48	0.65	0.04	0.00	0.55	0.80	0.77	0.81	0.38	0.78	0.44	0.03	0.02	0.09	0.47	0.13	0.56	0.00	0.17	0.06	0.86	0.94	0.89	0.93	0.93	0.86	0.85	0.92	0.92	1.00	1.00	1.00	1.00	0.96	0.97	1.00	0.97	0.98	1.00	0.43	1.00	1.00	1.00
11	23	13	0.86	0.17	0.00	0.45	0.68	0.06	0.00	0.73	0.88	0.86	0.79	0.39	0.87	0.45	0.03	0.01	0.08	0.56	0.15	0.62	0.04	0.17	0.07	0.86	0.94	0.90	0.92	0.92	0.82	0.86	0.92	0.96	1.00	1.00	1.00	1.00	0.98	1.00	1.00	0.97	0.98	1.00	0.52	1.00	1.00	1.00
11	23	14	0.89	0.18	0.00	0.42	0.67	0.08	0.00	0.94	0.90	0.89	0.76	0.40	0.89	0.45	0.02	0.01	0.07	0.62	0.14	0.67	0.08	0.18	0.08	0.79	0.89	0.86	0.87	0.91	0.79	0.78	0.87	0.93	1.00	0.97	1.00	0.99	0.93	0.95	0.98	0.93	0.94	0.94	0.50	1.00	1.00	1.00
11	23	15	0.94	0.18	0.00	0.39	0.61	0.09	0.00	0.98	0.95	0.94	0.83	0.46	0.94	0.52	0.02	0.01	0.06	0.60	0.10	0.70	0.11	0.18	0.08	0.65	0.76	0.75	0.75	0.79	0.68	0.68	0.77	0.81	0.91	0.90	0.88	0.87	0.82	0.80	0.86	0.81	0.83	0.82	0.42	1.00	1.00	1.00
11	23	16	0.93	0.19	0.03	0.40	0.50	0.13	0.00	0.96	0.94	0.93	0.80	0.54	0.93	0.59	0.02	0.01	0.06	0.55	0.11	0.74	0.12	0.19	0.08	0.35	0.46	0.35	0.45	0.48	0.42	0.42	0.50	0.49	0.58	0.61	0.53	0.57	0.51	0.52	0.56	0.23	0.49	0.40	0.18	1.00	1.00	1.00
11	23	17	0.86	0.17	0.13	0.49	0.42	0.15	0.00	0.87	0.87	0.85	0.76	0.54	0.86	0.59	0.02	0.01	0.09	0.56	0.12	0.79	0.22	0.17	0.07	0.04	0.09	0.03	0.09	0.13	0.12	0.11	0.13	0.16	0.15	0.14	0.07	0.10	0.09	0.10	0.10	0.00	0.08	0.03	0.00	1.00	1.00	1.00
11	23	18	0.77	0.14	0.20	0.55	0.51	0.37	0.04	0.75	0.79	0.77	0.65	0.44	0.78	0.50	0.02	0.01	0.13	0.53	0.10	0.82	0.40	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	19	0.71	0.14	0.24	0.55	0.59	0.88	0.14	0.71	0.73	0.70	0.64	0.46	0.71	0.51	0.02	0.01	0.13	0.39	0.08	0.77	0.52	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	20	0.67	0.13	0.21	0.52	0.62	0.92	0.18	0.70	0.70	0.67	0.77	0.57	0.67	0.62	0.02	0.01	0.15	0.41	0.07	0.75	0.52	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	21	0.72	0.17	0.18	0.49	0.67	0.83	0.21	0.71	0.74	0.72	0.84	0.59	0.72	0.63	0.03	0.01	0.21	0.39	0.10	0.77	0.42	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	22	0.71	0.14	0.17	0.45	0.61	0.51	0.27	0.69	0.73	0.71	0.86	0.62	0.71	0.66	0.04	0.02	0.27	0.38	0.20	0.74	0.53	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	23	0.73	0.17	0.17	0.46	0.53	0.28	0.37	0.63	0.75	0.73	0.85	0.60	0.73	0.64	0.05	0.03	0.36	0.37	0.34	0.71	0.68	0.17	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	23	24	0.69	0.18	0.19	0.46	0.48	0.15	0.39	0.56	0.72	0.69	0.85	0.65	0.70	0.69	0.06	0.04	0.43	0.32	0.51	0.69	0.82	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	1	0.55	0.22	0.20	0.46	0.39	0.14	0.33	0.51	0.59	0.55	0.78	0.77	0.56	0.80	0.06	0.05	0.49	0.23	0.68	0.66	0.71	0.22	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	2	0.42	0.37	0.21	0.45	0.24	0.05	0.27	0.48	0.47	0.42	0.78	0.78	0.43	0.81	0.07	0.05	0.50	0.17	0.76	0.65	0.57	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	3	0.35	0.37	0.21	0.45	0.13	0.02	0.25	0.46	0.40	0.34	0.78	0.72	0.36	0.75	0.07	0.06	0.49	0.15	0.82	0.69	0.66	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	4	0.34	0.30	0.20	0.44	0.09	0.00	0.18	0.41	0.39	0.33	0.76	0.66	0.35	0.70	0.09	0.07	0.48	0.13	0.83	0.70	0.88	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	5	0.35	0.31	0.19	0.40	0.02	0.00	0.11	0.34	0.40	0.34	0.74	0.65	0.36	0.68	0.11	0.09	0.47	0.10	0.86	0.66	0.94	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	6	0.30	0.27	0.18	0.34	0.00	0.00	0.01	0.29	0.35	0.29	0.68	0.77	0.31	0.80	0.13	0.11	0.47	0.07	0.89	0.63	0.90	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	7	0.21	0.21	0.17	0.28	0.00	0.00	0.00	0.23	0.27	0.21	0.65	0.76	0.22	0.79	0.14	0.12	0.50	0.04	0.90	0.61	0.86	0.21	0.10	0.00	0.04	0.14	0.04	0.00	0.00	0.00	0.01	0.00	0.02	0.07	0.22	0.17	0.17	0.07	0.17	0.22	0.06	0.30	0.19	1.00	1.00	1.00
11	24	8	0.15	0.19	0.18	0.21	0.00	0.01	0.00	0.15	0.21	0.14	0.61	0.73	0.16	0.76	0.15	0.13	0.52	0.03	0.89	0.62	0.64	0.19	0.09	0.18	0.33	0.49	0.33	0.14	0.14	0.18	0.33	0.37	0.50	0.59	0.61	0.56	0.58	0.50	0.56	0.57	0.55	0.67	0.25	1.00	1.00	1.00
11	24	9	0.09	0.24	0.18	0.15	0.00	0.02	0.00	0.10	0.15	0.08	0.64	0.67	0.10	0.70	0.15	0.13	0.51	0.03	0.86	0.60	0.46	0.24	0.13	0.46	0.61	0.68	0.60	0.46	0.51	0.49	0.64	0.67	0.80	0.83	0.83	0.80	0.81	0.73	0.79	0.77	0.78	0.87	0.24	1.00	1.00	1.00
11	24	10	0.06	0.31	0.17	0.08	0.00	0.02	0.00	0.08	0.12	0.05	0.78	0.64	0.07	0.67	0.13	0.11	0.45	0.03	0.86	0.53	0.47	0.31	0.20	0.65	0.78	0.80	0.76	0.63	0.65	0.72	0.79	0.82	0.93	0.96	0.95	0.93	0.93	0.85	0.92	0.88	0.88	0.97	0.45	1.00	1.00	1.00
11	24	11	0.06	0.34	0.17	0.04	0.00	0.01	0.00	0.05	0.12	0.05	0.87	0.76	0.07	0.79	0.12	0.10	0.41	0.02	0.87	0.49	0.52	0.34	0.23	0.76	0.87	0.87	0.85	0.65	0.77	0.79	0.84	0.91	0.99	1.00	1.00	0.99	1.00	0.93	0.98	0.95	0.94	1.00	0.50	1.00	1.00	1.00
11	24	12	0.09	0.31	0.16	0.02	0.00	0.00	0.00	0.01	0.15	0.08	0.88	0.80	0.10	0.82	0.11	0.09	0.41	0.02	0.87	0.48	0.52	0.31	0.20	0.79	0.87	0.88	0.86	0.55	0.80	0.75	0.85	0.94	1.00	1.00	1.00	0.98	1.00	0.93	0.98	0.93	0.94	1.00	0.57	1.00	1.00	1.00
11	24	13	0.11	0.26	0.17	0.02	0.00	0.00	0.00	0.00	0.16	0.10	0.84	0.77	0.12	0.79	0.10	0.08	0.38	0.04	0.86	0.40	0.47	0.26	0.15	0.78	0.87	0.88	0.85	0.36	0.79	0.84	0.88	0.90	1.00	1.00	1.00	0.99	1.00	0.94	0.98	0.96	0.93	1.00	0.58	1.00	1.00	1.00
11	24	14	0.12	0.25	0.17	0.01	0.00	0.00	0.00	0.00	0.18	0.11	0.79	0.76	0.13	0.79	0.09	0.07	0.36	0.05	0.85	0.38	0.44	0.25	0.14	0.70	0.78	0.85	0.77	0.28	0.59	0.63	0.83	0.84	1.00	1.00	0.98	0.95	0.95	0.91	0.94	0.92	0.92	0.95	0.68	1.00	1.00	1.00
11	24	15	0.12	0.20	0.17	0.02	0.00	0.00	0.00	0.00	0.18	0.11	0.73	0.67	0.13	0.71	0.10	0.08	0.35	0.05	0.88	0.35	0.40	0.20	0.09	0.53	0.62	0.77	0.61	0.20	0.14	0.44	0.71	0.70	0.89	0.89	0.85	0.83	0.82	0.77	0.83	0.81	0.81	0.82	0.66	1.00	1.00	1.00
11	24	16	0.12	0.17	0.17	0.02	0.00	0.00	0.00	0.00	0.18	0.11	0.61	0.58	0.13	0.63	0.13	0.11	0.39	0.04	0.92	0.35	0.33	0.17	0.07	0.28	0.37	0.34	0.36	0.20	0.11	0.09	0.46	0.50	0.58	0.56	0.48	0.51	0.53	0.48	0.51	0.20	0.44	0.37	0.28	1.00	1.00	1.00
11	24	17	0.13	0.16	0.17	0.02	0.00	0.01	0.00	0.00	0.19	0.12	0.52	0.51	0.14	0.55	0.11	0.09	0.44	0.04	0.91	0.39	0.41	0.16	0.06	0.03	0.07	0.03	0.06	0.03	0.01	0.01	0.12	0.16	0.16	0.13	0.07	0.08	0.10	0.09	0.08	0.01	0.07	0.03	0.00	1.00	1.00	1.00
11	24	18	0.11	0.13	0.17	0.01	0.00	0.02	0.01	0.00	0.17	0.10	0.48	0.66	0.12	0.71	0.09	0.07	0.50	0.03	0.90	0.36	0.54	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	19	0.09	0.12	0.18	0.02	0.00	0.03	0.03	0.00	0.15	0.08	0.47	0.58	0.10	0.63	0.06	0.04	0.50	0.02	0.90	0.33	0.55	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	20	0.08	0.10	0.18	0.02	0.00	0.05	0.05	0.00	0.14	0.07	0.52	0.49	0.09	0.54	0.05	0.03	0.49	0.02	0.91	0.33	0.45	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	21	0.05	0.10	0.18	0.01	0.00	0.03	0.06	0.00	0.11	0.04	0.49	0.50	0.06	0.55	0.04	0.02	0.47	0.01	0.92	0.32	0.27	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	22	0.03	0.13	0.18	0.01	0.00	0.02	0.08	0.00	0.08	0.02	0.47	0.51	0.04	0.56	0.03	0.02	0.44	0.00	0.94	0.32	0.18	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	23	0.00	0.18	0.18	0.01	0.00	0.01	0.07	0.00	0.04	0.00	0.45	0.52	0.00	0.58	0.02	0.01	0.39	0.00	0.95	0.32	0.12	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	24	24	0.00	0.18	0.17	0.01	0.00	0.00	0.06	0.00	0.01	0.00	0.38	0.50	0.00	0.55	0.01	0.00	0.30	0.00	0.95	0.26	0.09	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	1	0.00	0.20	0.17	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.24	0.45	0.00	0.51	0.01	0.00	0.24	0.00	0.95	0.19	0.06	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	2	0.00	0.32	0.17	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.10	0.43	0.00	0.49	0.01	0.00	0.20	0.00	0.96	0.11	0.04	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	3	0.00	0.50	0.17	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.02	0.40	0.00	0.46	0.02	0.01	0.15	0.00	0.95	0.04	0.03	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	4	0.00	0.56	0.16	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.36	0.03	0.01	0.11	0.00	0.93	0.03	0.02	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	5	0.00	0.57	0.16	0.03	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.15	0.00	0.22	0.03	0.02	0.09	0.00	0.93	0.01	0.01	0.57	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	6	0.00	0.58	0.16	0.03	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.07	0.00	0.14	0.03	0.02	0.07	0.00	0.92	0.01	0.00	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
11	25	7	0.00	0.55	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.12	0.04	0.02	0.05	0.00	0.87	0.01	0.00	0.55	0.46	0.00	0.02	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.06	0.09	0.05	0.05	0.06	0.02	0.27	0.40	1.00	1.00	1.00
11	25	8	0.00	0.49	0.15	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.13	0.04	0.03	0.06	0.00	0.83	0.00	0.00	0.49	0.39	0.10	0.18	0.41	0.17	0.02	0.02	0.02	0.12	0.08	0.15	0.26	0.42	0.43	0.46	0.40	0.42	0.38	0.30	0.65	0.64	1.00	1.00	1.00
11	25	9	0.00	0.38	0.12	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.10	0.05	0.03	0.04	0.00	0.68	0.00	0.00	0.38	0.27	0.23	0.31	0.56	0.30	0.14	0.23	0.15	0.19	0.18	0.29	0.37	0.51	0.60	0.61	0.51	0.59	0.72	0.50	0.82	0.62	1.00	1.00	1.00
11	25	10	0.00	0.31	0.06	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.07	0.05	0.03	0.01	0.00	0.63	0.00	0.00	0.31	0.20	0.38	0.45	0.72	0.44	0.21	0.25	0.15	0.34	0.39	0.55	0.58	0.76	0.81	0.68	0.59	0.80	0.78	0.66	0.93	0.76	1.00	1.00	1.00
11	25	11	0.00	0.32	0.02	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.03	0.01	0.00	0.60	0.00	0.00	0.32	0.22	0.51	0.57	0.77	0.56	0.40	0.27	0.32	0.51	0.28	0.75	0.81	0.82	0.90	0.77	0.74	0.90	0.85	0.72	0.97	0.92	1.00	1.00	1.00
11	25	12	0.00	0.41	0.01	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.00	0.00	0.48	0.00	0.00	0.41	0.31	0.58	0.64	0.82	0.63	0.60	0.32	0.45	0.58	0.13	0.91	0.75	0.89	0.98	0.83	0.86	0.97	0.85	0.68	0.98	1.00	1.00	1.00	1.00
11	25	13	0.00	0.54	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.03	0.00	0.00	0.38	0.00	0.00	0.54	0.45	0.57	0.63	0.79	0.62	0.73	0.37	0.43	0.46	0.15	0.87	0.78	0.95	0.98	0.72	0.69	0.97	0.83	0.64	0.96	1.00	1.00	1.00	1.00
11	25	14	0.00	0.67	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.03	0.01	0.00	0.34	0.00	0.00	0.67	0.60	0.43	0.48	0.71	0.47	0.73	0.39	0.24	0.29	0.12	0.44	0.68	0.67	0.75	0.57	0.57	0.75	0.81	0.52	0.82	0.97	1.00	1.00	1.00
11	25	15	0.00	0.79	0.01	0.00	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.03	0.01	0.00	0.31	0.00	0.00	0.00	0.79	0.74	0.32	0.38	0.52	0.37	0.71	0.31	0.15	0.24	0.20	0.35	0.39	0.69	0.56	0.31	0.51	0.56	0.52	0.38	0.69	0.83	1.00	1.00	1.00
11	25	16	0.00	0.89	0.06	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.00	0.00	0.33	0.00	0.00	0.00	0.89	0.86	0.17	0.23	0.24	0.22	0.51	0.27	0.15	0.18	0.10	0.18	0.18	0.26	0.31	0.20	0.41	0.31	0.19	0.22	0.32	0.37	1.00	1.00	1.00
11	25	17	0.00	0.82	0.13	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.01	0.01	0.34	0.00	0.00	0.83	0.78	0.01	0.03	0.01	0.03	0.13	0.04	0.01	0.02	0.01	0.02	0.02	0.02	0.03	0.01	0.06	0.03	0.00	0.02	0.02	0.00	1.00	1.00	1.00
11	25	18	0.00	0.71	0.11	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.03	0.03	0.33	0.00	0.00	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	19	0.00	0.65	0.09	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.06	0.04	0.33	0.00	0.00	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	20	0.00	0.54	0.13	0.01	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.09	0.04	0.34	0.00	0.00	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	21	0.00	0.43	0.14	0.02	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.14	0.03	0.36	0.00	0.00	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	22	0.00	0.35	0.15	0.04	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.17	0.02	0.38	0.00	0.00	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	23	0.00	0.29	0.17	0.06	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.16	0.01	0.37	0.02	0.00	0.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	25	24	0.00	0.28	0.18	0.08	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.16	0.00	0.39	0.02	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	1	0.00	0.31	0.19	0.10	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.16	0.00	0.39	0.02	0.00	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	2	0.00	0.31	0.20	0.11	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.15	0.00	0.39	0.02	0.00	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	3	0.00	0.28	0.19	0.13	0.00	0.03	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.13	0.00	0.39	0.02	0.02	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	4	0.02	0.27	0.17	0.14	0.00	0.03	0.00	0.00	0.08	0.01	0.00	0.00	0.03	0.00	0.07	0.05	0.09	0.02	0.38	0.03	0.04	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	5	0.06	0.28	0.15	0.15	0.00	0.03	0.00	0.00	0.11	0.05	0.00	0.00	0.07	0.01	0.09	0.07	0.06	0.02	0.38	0.03	0.06	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	6	0.12	0.30	0.13	0.16	0.00	0.03	0.00	0.01	0.18	0.11	0.02	0.00	0.13	0.03	0.11	0.09	0.05	0.03	0.36	0.04	0.06	0.30	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
11	26	7	0.11	0.29	0.13	0.18	0.00	0.04	0.00	0.10	0.17	0.10	0.06	0.01	0.12	0.08	0.14	0.12	0.04	0.03	0.31	0.05	0.05	0.29	0.18	0.00	0.03	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.14	0.13	0.12	0.08	0.13	0.16	0.05	0.11	0.36	1.00	1.00	1.00
11	26	8	0.09	0.26	0.07	0.18	0.00	0.04	0.00	0.18	0.15	0.08	0.07	0.08	0.10	0.16	0.19	0.17	0.04	0.04	0.27	0.07	0.03	0.26	0.15	0.16	0.30	0.46	0.30	0.05	0.15	0.20	0.33	0.35	0.46	0.56	0.58	0.48	0.52	0.43	0.47	0.51	0.50	0.39	0.61	1.00	1.00	1.00
11	26	9	0.10	0.23	0.03	0.17	0.00	0.06	0.00	0.16	0.16	0.09	0.08	0.12	0.11	0.20	0.24	0.22	0.03	0.04	0.23	0.08	0.01	0.23	0.12	0.43	0.57	0.67	0.56	0.17	0.51	0.55	0.63	0.66	0.75	0.80	0.79	0.77	0.78	0.64	0.77	0.72	0.74	0.57	0.75	1.00	1.00	1.00
11	26	10	0.10	0.22	0.00	0.12	0.00	0.05	0.00	0.07	0.16	0.09	0.11	0.15	0.11	0.22	0.25	0.23	0.03	0.04	0.24	0.08	0.01	0.22	0.11	0.62	0.74	0.85	0.73	0.29	0.67	0.72	0.79	0.83	0.94	0.93	0.93	0.92	0.89	0.82	0.91	0.86	0.88	0.78	0.87	1.00	1.00	1.00
11	26	11	0.12	0.22	0.00	0.11	0.00	0.01	0.00	0.03	0.18	0.11	0.10	0.16	0.13	0.24	0.27	0.25	0.03	0.06	0.31	0.09	0.01	0.22	0.11	0.73	0.83	0.90	0.81	0.26	0.69	0.80	0.87	0.91	1.00	1.00	1.00	1.00	0.98	0.97	0.99	0.95	0.94	0.80	0.87	1.00	1.00	1.00
11	26	12	0.15	0.22	0.00	0.11	0.00	0.01	0.00	0.01	0.21	0.14	0.09	0.16	0.16	0.23	0.29	0.27	0.02	0.08	0.47	0.08	0.02	0.22	0.11	0.77	0.85	0.88	0.84	0.24	0.72	0.80	0.91	0.94	1.00	1.00	1.00	1.00	0.97	0.99	1.00	0.96	0.96	0.78	0.76	1.00	1.00	1.00
11	26	13	0.12	0.23	0.00	0.12	0.00	0.00	0.00	0.01	0.18	0.11	0.09	0.15	0.13	0.23	0.32	0.30	0.04	0.10	0.66	0.06	0.03	0.23	0.12	0.75	0.83	0.85	0.81	0.35	0.53	0.79	0.88	0.91	1.00	1.00	1.00	1.00	0.98	0.89	1.00	0.92	0.92	0.75	0.77	1.00	1.00	1.00
11	26	14	0.04	0.23	0.00	0.14	0.00	0.00	0.00	0.00	0.10	0.03	0.08	0.15	0.05	0.23	0.33	0.31	0.07	0.09	0.73	0.04	0.03	0.23	0.12	0.70	0.79	0.77	0.77	0.53	0.37	0.70	0.85	0.89	0.99	0.97	0.95	0.95	0.92	0.90	0.94	0.90	0.86	0.70	0.72	1.00	1.00	1.00
11	26	15	0.02	0.24	0.00	0.14	0.00	0.00	0.00	0.00	0.07	0.01	0.06	0.15	0.03	0.22	0.39	0.37	0.10	0.05	0.71	0.05	0.03	0.24	0.14	0.57	0.67	0.63	0.66	0.44	0.41	0.52	0.74	0.80	0.87	0.88	0.85	0.81	0.78	0.74	0.80	0.78	0.74	0.58	0.63	1.00	1.00	1.00
11	26	16	0.03	0.33	0.00	0.16	0.00	0.00	0.00	0.00	0.08	0.02	0.05	0.14	0.04	0.21	0.48	0.46	0.19	0.03	0.76	0.06	0.02	0.33	0.22	0.30	0.39	0.30	0.38	0.23	0.39	0.20	0.46	0.54	0.58	0.57	0.46	0.45	0.41	0.44	0.45	0.16	0.42	0.29	0.28	1.00	1.00	1.00
11	26	17	0.02	0.41	0.00	0.25	0.00	0.00	0.00	0.00	0.07	0.01	0.05	0.16	0.02	0.24	0.52	0.50	0.36	0.02	0.82	0.14	0.03	0.41	0.31	0.03	0.07	0.03	0.07	0.03	0.09	0.03	0.11	0.18	0.16	0.13	0.06	0.07	0.06	0.09	0.07	0.04	0.06	0.02	0.00	1.00	1.00	1.00
11	26	18	0.00	0.43	0.00	0.29	0.00	0.00	0.00	0.00	0.04	0.00	0.05	0.21	0.00	0.28	0.58	0.56	0.47	0.00	0.83	0.17	0.05	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	19	0.00	0.45	0.01	0.35	0.00	0.00	0.00	0.00	0.03	0.00	0.05	0.20	0.00	0.28	0.64	0.63	0.58	0.00	0.80	0.16	0.09	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	20	0.00	0.41	0.03	0.39	0.00	0.00	0.02	0.00	0.02	0.00	0.05	0.20	0.00	0.27	0.66	0.65	0.68	0.01	0.75	0.13	0.08	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	21	0.00	0.26	0.04	0.39	0.00	0.00	0.03	0.00	0.02	0.00	0.04	0.20	0.00	0.28	0.76	0.75	0.81	0.04	0.71	0.18	0.05	0.26	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	22	0.00	0.17	0.13	0.43	0.00	0.00	0.02	0.00	0.02	0.00	0.02	0.19	0.00	0.27	0.86	0.85	0.87	0.07	0.63	0.22	0.03	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	23	0.00	0.11	0.47	0.43	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.18	0.00	0.25	0.87	0.86	0.88	0.16	0.56	0.19	0.05	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	26	24	0.02	0.07	0.65	0.46	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.16	0.03	0.23	0.86	0.86	0.88	0.35	0.48	0.10	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	1	0.09	0.07	0.65	0.47	0.00	0.00	0.00	0.00	0.16	0.08	0.00	0.14	0.10	0.21	0.88	0.87	0.91	0.56	0.44	0.05	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	2	0.08	0.09	0.61	0.42	0.01	0.00	0.00	0.00	0.13	0.07	0.00	0.13	0.09	0.20	0.88	0.88	0.94	0.68	0.45	0.02	0.08	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	3	0.09	0.11	0.60	0.38	0.08	0.00	0.00	0.00	0.15	0.08	0.00	0.11	0.10	0.18	0.86	0.86	0.89	0.78	0.49	0.00	0.09	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	4	0.15	0.15	0.60	0.35	0.16	0.00	0.00	0.00	0.21	0.14	0.00	0.09	0.16	0.17	0.80	0.79	0.84	0.85	0.57	0.00	0.10	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	5	0.17	0.23	0.62	0.32	0.23	0.00	0.00	0.00	0.23	0.16	0.00	0.08	0.18	0.15	0.78	0.77	0.79	0.90	0.55	0.00	0.11	0.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	6	0.23	0.32	0.68	0.33	0.17	0.00	0.00	0.01	0.29	0.23	0.00	0.06	0.24	0.13	0.80	0.79	0.66	0.92	0.50	0.01	0.12	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.00	1.00	1.00
11	27	7	0.25	0.43	0.71	0.31	0.06	0.00	0.00	0.05	0.30	0.24	0.00	0.03	0.26	0.10	0.77	0.76	0.59	0.93	0.56	0.00	0.11	0.43	0.33	0.00	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.04	0.01	0.03	0.01	0.03	0.45	1.00	1.00	1.00
11	27	8	0.23	0.47	0.75	0.31	0.01	0.00	0.00	0.07	0.29	0.22	0.00	0.01	0.24	0.07	0.73	0.72	0.58	0.92	0.54	0.00	0.10	0.47	0.37	0.07	0.15	0.30	0.14	0.12	0.06	0.05	0.24	0.30	0.28	0.24	0.12	0.09	0.17	0.34	0.09	0.28	0.23	0.17	0.79	1.00	1.00	1.00
11	27	9	0.19	0.44	0.77	0.37	0.00	0.00	0.00	0.08	0.24	0.18	0.00	0.00	0.20	0.05	0.71	0.69	0.68	0.86	0.51	0.00	0.08	0.44	0.34	0.27	0.37	0.44	0.36	0.40	0.31	0.29	0.46	0.63	0.48	0.49	0.31	0.21	0.40	0.56	0.21	0.48	0.34	0.31	0.99	1.00	1.00	1.00
11	27	10	0.14	0.42	0.74	0.33	0.00	0.00	0.00	0.10	0.19	0.13	0.00	0.00	0.15	0.04	0.70	0.69	0.74	0.80	0.58	0.00	0.10	0.42	0.33	0.42	0.51	0.51	0.50	0.64	0.62	0.39	0.61	0.77	0.76	0.49	0.23	0.30	0.53	0.69	0.29	0.68	0.43	0.31	1.00	1.00	1.00	1.00
11	27	11	0.14	0.52	0.86	0.40	0.00	0.01	0.00	0.18	0.19	0.13	0.00	0.00	0.15	0.03	0.68	0.67	0.71	0.84	0.67	0.02	0.15	0.52	0.43	0.49	0.56	0.57	0.55	0.76	0.70	0.40	0.63	0.79	0.73	0.55	0.21	0.41	0.59	0.64	0.41	0.71	0.50	0.42	1.00	1.00	1.00	1.00
11	27	12	0.18	0.58	0.96	0.43	0.03	0.07	0.00	0.33	0.23	0.17	0.00	0.00	0.19	0.02	0.66	0.65	0.70	0.89	0.73	0.07	0.22	0.58	0.49	0.62	0.69	0.62	0.68	0.86	0.83	0.64	0.72	0.83	0.87	0.62	0.41	0.58	0.82	0.62	0.58	0.59	0.46	0.58	1.00	1.00	1.00	1.00
11	27	13	0.34	0.58	0.98	0.46	0.18	0.13	0.01	0.52	0.39	0.34	0.00	0.00	0.35	0.01	0.68	0.67	0.62	0.89	0.80	0.13	0.34	0.58	0.51	0.64	0.70	0.68	0.69	0.89	0.82	0.75	0.77	0.65	0.65	0.59	0.80	0.75	0.72	0.54	0.75	0.63	0.55	0.62	0.95	1.00	1.00	1.00
11	27	14	0.54	0.63	0.97	0.48	0.24	0.14	0.02	0.69	0.58	0.53	0.00	0.00	0.54	0.00	0.66	0.65	0.55	0.91	0.83	0.16	0.41	0.63	0.56	0.54	0.61	0.73	0.60	0.84	0.77	0.78	0.67	0.57	0.47	0.45	0.61	0.71	0.48	0.53	0.71	0.79	0.64	0.67	0.76	1.00	1.00	1.00
11	27	15	0.56	0.68	0.93	0.50	0.20	0.33	0.05	0.78	0.60	0.55	0.00	0.00	0.56	0.00	0.65	0.63	0.53	0.89	0.78	0.19	0.48	0.68	0.62	0.41	0.48	0.59	0.47	0.76	0.66	0.68	0.55	0.39	0.57	0.54	0.18	0.41	0.27	0.56	0.41	0.54	0.51	0.63	0.59	1.00	1.00	1.00
11	27	16	0.48	0.71	0.87	0.48	0.18	0.43	0.09	0.81	0.52	0.47	0.00	0.00	0.48	0.02	0.65	0.64	0.49	0.80	0.75	0.18	0.46	0.71	0.65	0.26	0.33	0.29	0.32	0.47	0.46	0.41	0.37	0.34	0.42	0.37	0.28	0.29	0.26	0.34	0.29	0.19	0.35	0.30	0.25	1.00	1.00	1.00
11	27	17	0.43	0.72	0.81	0.58	0.33	0.58	0.19	0.79	0.48	0.42	0.00	0.00	0.44	0.03	0.68	0.66	0.52	0.68	0.78	0.16	0.54	0.72	0.66	0.02	0.05	0.02	0.05	0.11	0.14	0.10	0.07	0.07	0.08	0.06	0.02	0.03	0.03	0.05	0.03	0.01	0.05	0.02	0.00	1.00	1.00	1.00
11	27	18	0.42	0.76	0.82	0.66	0.59	0.84	0.25	0.75	0.47	0.41	0.00	0.00	0.43	0.02	0.65	0.64	0.63	0.51	0.87	0.17	0.64	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	19	0.29	0.79	0.83	0.68	0.56	0.84	0.26	0.67	0.34	0.28	0.00	0.00	0.29	0.01	0.65	0.64	0.73	0.43	0.84	0.10	0.67	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	20	0.32	0.82	0.84	0.68	0.43	0.74	0.24	0.51	0.38	0.32	0.00	0.00	0.33	0.00	0.66	0.65	0.71	0.53	0.79	0.08	0.67	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	21	0.31	0.84	0.84	0.70	0.40	0.78	0.21	0.36	0.37	0.31	0.00	0.00	0.32	0.00	0.65	0.64	0.65	0.42	0.63	0.13	0.70	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	22	0.21	0.84	0.83	0.68	0.44	0.80	0.18	0.35	0.27	0.20	0.00	0.00	0.22	0.00	0.62	0.60	0.62	0.23	0.47	0.18	0.75	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	23	0.12	0.88	0.81	0.65	0.55	0.82	0.17	0.25	0.17	0.11	0.00	0.00	0.13	0.00	0.59	0.57	0.59	0.33	0.34	0.20	0.72	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	27	24	0.13	0.91	0.78	0.65	0.61	0.76	0.16	0.12	0.19	0.12	0.02	0.00	0.14	0.00	0.54	0.52	0.50	0.42	0.28	0.25	0.70	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	1	0.14	0.90	0.72	0.63	0.50	0.80	0.15	0.04	0.20	0.13	0.14	0.00	0.15	0.01	0.47	0.45	0.46	0.37	0.33	0.35	0.68	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	2	0.13	0.86	0.62	0.62	0.25	0.90	0.13	0.01	0.19	0.12	0.32	0.01	0.14	0.06	0.40	0.38	0.43	0.26	0.37	0.56	0.62	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	3	0.10	0.88	0.48	0.62	0.04	0.88	0.10	0.05	0.16	0.09	0.48	0.19	0.11	0.27	0.33	0.30	0.39	0.18	0.47	0.62	0.54	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	4	0.09	0.88	0.37	0.64	0.00	0.91	0.08	0.18	0.15	0.08	0.57	0.32	0.10	0.39	0.27	0.25	0.30	0.13	0.55	0.64	0.45	0.88	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	5	0.16	0.91	0.39	0.64	0.05	0.89	0.07	0.22	0.22	0.15	0.67	0.38	0.17	0.44	0.22	0.20	0.24	0.09	0.59	0.64	0.33	0.91	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	6	0.14	0.85	0.45	0.65	0.31	0.85	0.06	0.14	0.20	0.13	0.79	0.38	0.15	0.44	0.18	0.16	0.17	0.08	0.60	0.66	0.21	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	7	0.12	0.79	0.47	0.67	0.62	0.84	0.07	0.11	0.18	0.11	0.82	0.42	0.13	0.48	0.19	0.17	0.14	0.06	0.58	0.67	0.15	0.79	0.75	0.00	0.01	0.12	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.10	0.03	0.03	0.10	0.13	0.04	0.18	0.31	1.00	1.00	1.00
11	28	8	0.09	0.75	0.41	0.67	0.72	0.50	0.05	0.10	0.15	0.08	0.84	0.49	0.10	0.54	0.24	0.22	0.15	0.05	0.55	0.68	0.09	0.75	0.70	0.09	0.17	0.50	0.17	0.22	0.13	0.20	0.20	0.08	0.13	0.21	0.30	0.41	0.26	0.25	0.40	0.54	0.47	0.49	0.65	1.00	1.00	1.00
11	28	9	0.06	0.72	0.27	0.65	0.65	0.25	0.02	0.07	0.12	0.05	0.86	0.52	0.07	0.57	0.30	0.28	0.14	0.03	0.59	0.62	0.04	0.72	0.67	0.30	0.41	0.74	0.40	0.61	0.52	0.54	0.49	0.28	0.41	0.38	0.45	0.54	0.41	0.43	0.53	0.78	0.69	0.78	0.78	1.00	1.00	1.00
11	28	10	0.05	0.72	0.16	0.59	0.45	0.17	0.00	0.06	0.11	0.04	0.84	0.54	0.06	0.58	0.27	0.25	0.13	0.05	0.70	0.56	0.04	0.72	0.66	0.51	0.62	0.86	0.60	0.78	0.71	0.72	0.69	0.58	0.75	0.62	0.74	0.66	0.59	0.37	0.66	0.87	0.83	0.84	0.90	1.00	1.00	1.00
11	28	11	0.05	0.74	0.09	0.54	0.17	0.15	0.00	0.07	0.10	0.04	0.81	0.56	0.06	0.61	0.26	0.23	0.12	0.05	0.77	0.54	0.06	0.74	0.69	0.66	0.75	0.90	0.73	0.87	0.80	0.82	0.83	0.81	0.79	0.74	0.94	0.85	0.54	0.54	0.85	0.91	0.93	0.83	0.85	1.00	1.00	1.00
11	28	12	0.07	0.78	0.10	0.47	0.02	0.10	0.00	0.10	0.13	0.06	0.82	0.56	0.08	0.61	0.26	0.24	0.14	0.03	0.85	0.55	0.04	0.78	0.72	0.72	0.80	0.92	0.79	0.91	0.83	0.86	0.83	0.90	0.84	0.85	1.00	0.98	0.49	0.58	0.97	0.89	0.95	0.87	0.87	1.00	1.00	1.00
11	28	13	0.06	0.77	0.11	0.39	0.00	0.06	0.00	0.15	0.12	0.05	0.84	0.57	0.07	0.62	0.30	0.28	0.13	0.01	0.93	0.55	0.03	0.77	0.72	0.70	0.77	0.90	0.75	0.85	0.84	0.85	0.85	0.87	0.96	0.74	0.91	0.91	0.58	0.32	0.90	0.95	0.94	0.83	0.93	1.00	1.00	1.00
11	28	14	0.07	0.77	0.09	0.31	0.00	0.07	0.00	0.17	0.13	0.06	0.81	0.58	0.08	0.62	0.30	0.28	0.15	0.00	0.94	0.54	0.02	0.77	0.72	0.60	0.67	0.85	0.66	0.75	0.80	0.79	0.82	0.74	0.79	0.71	0.70	0.82	0.37	0.33	0.82	0.90	0.90	0.72	0.87	1.00	1.00	1.00
11	28	15	0.05	0.67	0.07	0.22	0.00	0.06	0.00	0.14	0.11	0.04	0.76	0.57	0.06	0.61	0.29	0.27	0.17	0.00	0.88	0.51	0.02	0.67	0.59	0.46	0.54	0.68	0.53	0.59	0.70	0.68	0.67	0.53	0.51	0.52	0.51	0.75	0.35	0.48	0.75	0.74	0.79	0.57	0.65	1.00	1.00	1.00
11	28	16	0.04	0.46	0.06	0.15	0.00	0.05	0.00	0.08	0.09	0.03	0.66	0.54	0.04	0.59	0.34	0.32	0.20	0.00	0.83	0.48	0.02	0.46	0.36	0.24	0.31	0.31	0.30	0.34	0.46	0.45	0.42	0.32	0.37	0.25	0.30	0.32	0.28	0.24	0.31	0.28	0.44	0.27	0.24	1.00	1.00	1.00
11	28	17	0.03	0.29	0.03	0.15	0.00	0.10	0.00	0.05	0.09	0.02	0.60	0.52	0.04	0.57	0.39	0.37	0.26	0.00	0.85	0.48	0.05	0.29	0.19	0.02	0.05	0.03	0.05	0.07	0.13	0.12	0.10	0.08	0.07	0.03	0.02	0.04	0.02	0.03	0.04	0.05	0.06	0.01	0.00	1.00	1.00	1.00
11	28	18	0.02	0.25	0.02	0.17	0.00	0.16	0.00	0.03	0.08	0.01	0.59	0.53	0.03	0.58	0.35	0.33	0.38	0.00	0.82	0.42	0.04	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	19	0.00	0.24	0.02	0.19	0.00	0.19	0.00	0.00	0.04	0.00	0.55	0.52	0.00	0.57	0.40	0.38	0.51	0.00	0.74	0.34	0.04	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	20	0.00	0.21	0.00	0.18	0.00	0.14	0.00	0.00	0.01	0.00	0.49	0.51	0.00	0.56	0.45	0.43	0.57	0.01	0.70	0.26	0.03	0.21	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	21	0.00	0.30	0.00	0.16	0.00	0.10	0.00	0.00	0.00	0.00	0.42	0.48	0.00	0.53	0.45	0.43	0.57	0.03	0.66	0.22	0.03	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
11	28	22	0.00	0.28	0.00	0.18	0.00	0.12	0.00	0.00	0.00	0.00	0.33	0.43	0.00	0.49	0.46	0.44	0.64	0.05	0.61	0.16	0.03	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	23	0.00	0.20	0.00	0.22	0.00	0.10	0.00	0.00	0.03	0.00	0.26	0.37	0.00	0.44	0.48	0.46	0.74	0.09	0.59	0.07	0.05	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	28	24	0.05	0.20	0.00	0.23	0.00	0.06	0.00	0.00	0.10	0.04	0.19	0.31	0.05	0.38	0.50	0.48	0.85	0.26	0.56	0.03	0.05	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	1	0.19	0.28	0.00	0.23	0.00	0.03	0.00	0.00	0.25	0.18	0.17	0.24	0.20	0.31	0.50	0.48	0.87	0.54	0.54	0.00	0.06	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	2	0.22	0.36	0.01	0.24	0.00	0.01	0.00	0.00	0.28	0.21	0.12	0.22	0.23	0.29	0.49	0.47	0.89	0.71	0.51	0.00	0.09	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	3	0.22	0.39	0.01	0.21	0.00	0.00	0.00	0.00	0.28	0.21	0.09	0.21	0.23	0.28	0.51	0.49	0.91	0.75	0.53	0.00	0.12	0.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	4	0.22	0.44	0.04	0.21	0.00	0.00	0.00	0.01	0.28	0.21	0.07	0.19	0.23	0.27	0.51	0.49	0.89	0.77	0.56	0.00	0.17	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	5	0.21	0.47	0.08	0.24	0.00	0.00	0.00	0.04	0.26	0.20	0.04	0.17	0.22	0.24	0.50	0.48	0.82	0.80	0.60	0.00	0.23	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	6	0.20	0.48	0.10	0.24	0.00	0.00	0.00	0.06	0.26	0.19	0.01	0.15	0.21	0.22	0.49	0.47	0.81	0.82	0.69	0.00	0.28	0.48	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	7	0.18	0.53	0.11	0.27	0.00	0.00	0.00	0.07	0.24	0.17	0.00	0.11	0.19	0.18	0.47	0.46	0.85	0.84	0.74	0.00	0.33	0.53	0.43	0.00	0.02	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.13	0.08	0.09	0.02	0.08	0.04	0.04	0.06	0.28	1.00	1.00	1.00
11	29	8	0.16	0.53	0.14	0.29	0.00	0.02	0.00	0.06	0.22	0.15	0.00	0.09	0.17	0.16	0.48	0.46	0.91	0.83	0.82	0.00	0.36	0.53	0.44	0.14	0.27	0.30	0.26	0.20	0.13	0.10	0.27	0.30	0.44	0.53	0.54	0.46	0.41	0.26	0.45	0.28	0.28	0.21	0.56	1.00	1.00	1.00
11	29	9	0.13	0.51	0.13	0.27	0.00	0.03	0.00	0.02	0.19	0.12	0.00	0.06	0.14	0.13	0.44	0.42	0.90	0.77	0.91	0.00	0.29	0.51	0.42	0.39	0.53	0.53	0.52	0.59	0.51	0.44	0.56	0.60	0.69	0.74	0.78	0.69	0.51	0.40	0.68	0.42	0.48	0.35	0.81	1.00	1.00	1.00
11	29	10	0.11	0.52	0.10	0.15	0.00	0.05	0.00	0.00	0.17	0.10	0.00	0.02	0.12	0.09	0.37	0.35	0.86	0.67	0.92	0.00	0.28	0.52	0.43	0.57	0.69	0.61	0.67	0.75	0.69	0.67	0.74	0.75	0.81	0.79	0.85	0.81	0.71	0.49	0.80	0.53	0.62	0.44	0.72	1.00	1.00	1.00
11	29	11	0.09	0.63	0.11	0.12	0.00	0.07	0.00	0.00	0.15	0.08	0.00	0.00	0.10	0.06	0.27	0.25	0.82	0.56	0.92	0.00	0.30	0.62	0.55	0.63	0.72	0.66	0.70	0.78	0.77	0.77	0.81	0.81	0.75	0.79	0.76	0.74	0.72	0.52	0.73	0.53	0.73	0.60	0.67	1.00	1.00	1.00
11	29	12	0.07	0.80	0.13	0.13	0.00	0.12	0.00	0.00	0.12	0.06	0.00	0.00	0.08	0.05	0.18	0.16	0.66	0.48	0.90	0.00	0.31	0.80	0.75	0.72	0.79	0.63	0.78	0.88	0.82	0.85	0.85	0.90	0.77	0.80	0.73	0.86	0.78	0.75	0.86	0.54	0.72	0.61	0.43	1.00	1.00	1.00
11	29	13	0.05	0.88	0.13	0.11	0.00	0.16	0.00	0.00	0.11	0.04	0.00	0.00	0.06	0.06	0.13	0.11	0.50	0.41	0.87	0.02	0.38	0.88	0.84	0.73	0.81	0.65	0.79	0.85	0.80	0.82	0.85	0.90	0.93	0.90	0.77	0.93	0.80	0.60	0.92	0.49	0.73	0.52	0.61	1.00	1.00	1.00
11	29	14	0.06	0.87	0.14	0.09	0.00	0.13	0.00	0.00	0.12	0.05	0.00	0.00	0.07	0.07	0.11	0.09	0.38	0.33	0.82	0.04	0.41	0.87	0.84	0.66	0.74	0.56	0.72	0.85	0.77	0.76	0.80	0.88	0.83	0.71	0.84	0.82	0.75	0.35	0.82	0.30	0.69	0.47	0.54	1.00	1.00	1.00
11	29	15	0.10	0.84	0.13	0.08	0.00	0.09	0.00	0.02	0.16	0.09	0.00	0.01	0.11	0.07	0.10	0.08	0.23	0.28	0.73	0.07	0.38	0.84	0.80	0.49	0.57	0.43	0.56	0.72	0.66	0.65	0.71	0.79	0.65	0.60	0.72	0.65	0.29	0.20	0.64	0.25	0.61	0.36	0.34	1.00	1.00	1.00
11	29	16	0.15	0.83	0.13	0.07	0.00	0.05	0.00	0.06	0.21	0.14	0.01	0.01	0.16	0.07	0.09	0.07	0.14	0.29	0.63	0.11	0.31	0.83	0.80	0.27	0.35	0.21	0.34	0.40	0.42	0.37	0.45	0.56	0.48	0.31	0.35	0.45	0.17	0.24	0.44	0.03	0.35	0.22	0.13	1.00	1.00	1.00
11	29	17	0.21	0.82	0.15	0.12	0.00	0.07	0.00	0.10	0.27	0.20	0.03	0.02	0.22	0.08	0.10	0.08	0.11	0.35	0.57	0.19	0.30	0.82	0.79	0.02	0.06	0.02	0.06	0.09	0.11	0.08	0.10	0.19	0.12	0.04	0.03	0.06	0.01	0.02	0.06	0.00	0.05	0.01	0.00	1.00	1.00	1.00
11	29	18	0.28	0.85	0.14	0.18	0.00	0.09	0.00	0.16	0.34	0.27	0.04	0.02	0.29	0.08	0.10	0.08	0.08	0.43	0.53	0.26	0.35	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	19	0.24	0.86	0.14	0.22	0.00	0.08	0.00	0.23	0.30	0.23	0.03	0.00	0.25	0.05	0.09	0.08	0.03	0.49	0.44	0.29	0.36	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	20	0.22	0.86	0.10	0.28	0.00	0.04	0.00	0.25	0.27	0.21	0.03	0.00	0.23	0.06	0.10	0.08	0.02	0.61	0.37	0.30	0.33	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	21	0.22	0.82	0.08	0.37	0.00	0.04	0.00	0.24	0.27	0.21	0.04	0.00	0.23	0.04	0.09	0.07	0.01	0.67	0.29	0.39	0.31	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	22	0.26	0.72	0.05	0.49	0.00	0.03	0.00	0.21	0.32	0.25	0.07	0.00	0.27	0.03	0.10	0.08	0.01	0.67	0.21	0.52	0.35	0.71	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	23	0.31	0.68	0.05	0.53	0.01	0.02	0.00	0.20	0.36	0.30	0.09	0.00	0.32	0.03	0.09	0.07	0.01	0.69	0.14	0.58	0.39	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	29	24	0.27	0.65	0.05	0.56	0.12	0.02	0.00	0.23	0.32	0.26	0.10	0.00	0.28	0.03	0.09	0.08	0.02	0.71	0.11	0.57	0.40	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	1	0.28	0.61	0.05	0.61	0.38	0.02	0.00	0.27	0.34	0.28	0.10	0.00	0.29	0.03	0.10	0.08	0.02	0.75	0.16	0.56	0.39	0.61	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	2	0.30	0.52	0.05	0.62	0.50	0.02	0.00	0.28	0.36	0.29	0.09	0.00	0.31	0.04	0.10	0.08	0.03	0.78	0.20	0.57	0.32	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	3	0.31	0.45	0.05	0.62	0.48	0.03	0.00	0.31	0.36	0.30	0.09	0.01	0.32	0.07	0.10	0.08	0.03	0.79	0.22	0.59	0.28	0.45	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	4	0.36	0.36	0.06	0.61	0.39	0.04	0.00	0.32	0.41	0.36	0.09	0.02	0.37	0.09	0.10	0.08	0.04	0.81	0.23	0.64	0.27	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	5	0.37	0.31	0.05	0.57	0.17	0.18	0.04	0.34	0.42	0.36	0.06	0.03	0.38	0.09	0.10	0.08	0.06	0.82	0.26	0.68	0.22	0.31	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	6	0.29	0.33	0.03	0.53	0.03	0.76	0.04	0.32	0.34	0.28	0.10	0.08	0.29	0.15	0.09	0.07	0.07	0.82	0.32	0.63	0.25	0.33	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	7	0.27	0.37	0.01	0.53	0.00	1.00	0.04	0.29	0.33	0.26	0.12	0.12	0.28	0.20	0.08	0.06	0.10	0.81	0.36	0.56	0.27	0.37	0.27	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	1.00	1.00	1.00
11	30	8	0.20	0.37	0.00	0.51	0.00	1.00	0.05	0.13	0.26	0.19	0.12	0.04	0.21	0.11	0.06	0.05	0.12	0.78	0.36	0.60	0.24	0.37	0.26	0.02	0.05	0.13	0.05	0.17	0.11	0.09	0.08	0.09	0.11	0.01	0.01	0.00	0.00	0.00	0.00	0.07	0.15	0.02	0.11	1.00	1.00	1.00
11	30	9	0.11	0.25	0.00	0.45	0.00	0.84	0.08	0.05	0.17	0.10	0.09	0.02	0.12	0.09	0.05	0.03	0.11	0.77	0.30	0.60	0.20	0.25	0.14	0.11	0.15	0.23	0.15	0.52	0.51	0.46	0.19	0.13	0.03	0.02	0.00	0.00	0.01	0.01	0.00	0.19	0.21	0.03	0.18	1.00	1.00	1.00
11	30	10	0.11	0.12	0.00	0.36	0.00	0.45	0.10	0.00	0.17	0.10	0.10	0.02	0.12	0.09	0.03	0.02	0.09	0.77	0.26	0.63	0.24	0.12	0.03	0.21	0.25	0.27	0.25	0.69	0.70	0.71	0.34	0.39	0.07	0.01	0.01	0.00	0.01	0.03	0.00	0.16	0.22	0.03	0.20	1.00	1.00	1.00
11	30	11	0.23	0.10	0.00	0.31	0.00	0.42	0.10	0.00	0.29	0.22	0.13	0.02	0.24	0.09	0.03	0.01	0.08	0.90	0.23	0.78	0.38	0.10	0.02	0.27	0.31	0.24	0.30	0.78	0.81	0.79	0.40	0.56	0.02	0.01	0.01	0.01	0.02	0.05	0.01	0.10	0.25	0.04	0.21	1.00	1.00	1.00
11	30	12	0.31	0.15	0.00	0.25	0.00	0.40	0.13	0.00	0.37	0.30	0.11	0.06	0.32	0.14	0.03	0.01	0.07	0.95	0.21	0.70	0.39	0.15	0.05	0.30	0.33	0.28	0.32	0.87	0.85	0.84	0.39	0.59	0.01	0.02	0.02	0.01	0.02	0.07	0.01	0.12	0.30	0.06	0.26	1.00	1.00	1.00
11	30	13	0.29	0.20	0.00	0.18	0.00	0.43	0.17	0.00	0.34	0.28	0.14	0.05	0.30	0.11	0.02	0.01	0.06	0.87	0.21	0.58	0.35	0.20	0.09	0.28	0.31	0.23	0.30	0.82	0.84	0.81	0.26	0.56	0.01	0.01	0.02	0.01	0.02	0.07	0.01	0.09	0.31	0.05	0.22	1.00	1.00	1.00
11	30	14	0.28	0.22	0.00	0.12	0.00	0.42	0.23	0.00	0.33	0.27	0.17	0.08	0.29	0.15	0.02	0.01	0.04	0.89	0.19	0.55	0.30	0.22	0.11	0.27	0.30	0.21	0.30	0.82	0.81	0.80	0.31	0.56	0.01	0.01	0.01	0.02	0.03	0.04	0.02	0.06	0.26	0.04	0.14	1.00	1.00	1.00
11	30	15	0.25	0.25	0.00	0.08	0.00	0.40	0.30	0.00	0.30	0.24	0.20	0.10	0.26	0.17	0.02	0.01	0.03	0.82	0.18	0.52	0.22	0.25	0.14	0.25	0.29	0.13	0.28	0.76	0.72	0.70	0.28	0.64	0.11	0.02	0.01	0.01	0.01	0.02	0.01	0.05	0.23	0.02	0.15	1.00	1.00	1.00
11	30	16	0.27	0.28	0.00	0.06	0.00	0.38	0.45	0.01	0.33	0.26	0.19	0.09	0.28	0.16	0.03	0.02	0.02	0.78	0.22	0.52	0.23	0.28	0.17	0.16	0.21	0.08	0.20	0.46	0.44	0.41	0.28	0.47	0.02	0.15	0.06	0.11	0.02	0.03	0.11	0.02	0.14	0.06	0.04	1.00	1.00	1.00
11	30	17	0.17	0.32	0.00	0.07	0.00	0.59	0.72	0.11	0.22	0.16	0.14	0.19	0.18	0.27	0.02	0.01	0.03	0.81	0.30	0.52	0.39	0.32	0.20	0.02	0.04	0.00	0.04	0.10	0.11	0.09	0.04	0.15	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.00	1.00	1.00
11	30	18	0.26	0.32	0.00	0.08	0.04	0.87	0.86	0.14	0.32	0.25	0.11	0.21	0.27	0.28	0.02	0.01	0.05	0.76	0.29	0.47	0.39	0.32	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	19	0.30	0.33	0.00	0.09	0.21	0.93	0.89	0.24	0.35	0.29	0.12	0.27	0.31	0.34	0.02	0.01	0.09	0.73	0.20	0.43	0.35	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	20	0.30	0.43	0.02	0.11	0.23	0.77	0.90	0.56	0.36	0.29	0.26	0.44	0.31	0.50	0.02	0.01	0.11	0.71	0.14	0.49	0.34	0.43	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	21	0.32	0.52	0.07	0.15	0.13	0.79	0.88	0.68	0.37	0.31	0.30	0.62	0.33	0.67	0.02	0.01	0.09	0.65	0.09	0.52	0.40	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	22	0.32	0.61	0.11	0.18	0.02	0.62	0.88	0.75	0.38	0.32	0.34	0.64	0.33	0.69	0.02	0.01	0.06	0.50	0.06	0.48	0.45	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	23	0.26	0.79	0.09	0.20	0.00	0.44	0.88	0.74	0.31	0.25	0.34	0.58	0.27	0.63	0.01	0.01	0.05	0.43	0.03	0.36	0.46	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
11	30	24	0.30	0.89	0.06	0.19	0.00	0.53	0.88	0.72	0.35	0.29	0.40	0.55	0.30	0.59	0.01	0.00	0.04	0.48	0.01	0.22	0.77	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	1	0.41	0.93	0.04	0.14	0.01	0.43	0.84	0.73	0.46	0.40	0.46	0.71	0.42	0.75	0.01	0.00	0.03	0.52	0.00	0.22	0.93	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	2	0.49	0.94	0.02	0.10	0.08	0.25	0.81	0.73	0.54	0.48	0.56	0.69	0.50	0.73	0.01	0.00	0.02	0.48	0.00	0.36	0.86	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	3	0.47	0.93	0.01	0.07	0.16	0.22	0.79	0.70	0.51	0.46	0.62	0.63	0.47	0.66	0.02	0.01	0.02	0.42	0.01	0.37	0.80	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	4	0.51	0.97	0.00	0.05	0.22	0.26	0.76	0.65	0.55	0.51	0.68	0.70	0.52	0.73	0.02	0.01	0.02	0.36	0.02	0.42	0.68	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	5	0.60	0.98	0.00	0.05	0.26	0.27	0.73	0.59	0.64	0.59	0.72	0.68	0.60	0.72	0.03	0.02	0.04	0.32	0.03	0.48	0.77	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	6	0.47	0.98	0.00	0.05	0.31	0.16	0.67	0.56	0.51	0.46	0.82	0.62	0.47	0.65	0.05	0.03	0.06	0.27	0.04	0.47	0.96	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	7	0.42	0.94	0.00	0.07	0.36	0.09	0.59	0.56	0.47	0.41	0.83	0.77	0.43	0.80	0.08	0.07	0.11	0.17	0.05	0.51	0.94	0.94	0.93	0.00	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.06	0.16	0.07	0.06	0.02	0.02	0.04	0.15	1.00	1.00	1.00
12	1	8	0.40	0.93	0.00	0.11	0.40	0.11	0.53	0.56	0.45	0.39	0.80	0.86	0.41	0.88	0.12	0.10	0.17	0.09	0.07	0.55	0.91	0.93	0.91	0.13	0.25	0.26	0.25	0.21	0.09	0.16	0.20	0.26	0.35	0.39	0.32	0.51	0.53	0.40	0.51	0.23	0.32	0.24	0.38	1.00	1.00	1.00
12	1	9	0.42	0.90	0.00	0.15	0.34	0.05	0.39	0.57	0.47	0.41	0.84	0.87	0.43	0.88	0.16	0.14	0.21	0.04	0.10	0.57	0.96	0.90	0.88	0.38	0.52	0.39	0.51	0.64	0.52	0.55	0.53	0.62	0.64	0.55	0.31	0.76	0.77	0.52	0.76	0.27	0.51	0.32	0.52	1.00	1.00	1.00
12	1	10	0.46	0.91	0.00	0.14	0.23	0.03	0.26	0.65	0.50	0.45	0.84	0.87	0.46	0.89	0.19	0.17	0.25	0.06	0.13	0.57	0.98	0.91	0.89	0.55	0.66	0.44	0.65	0.81	0.72	0.73	0.60	0.81	0.91	0.65	0.27	0.89	0.92	0.53	0.88	0.17	0.57	0.43	0.69	1.00	1.00	1.00
12	1	11	0.54	0.95	0.00	0.19	0.22	0.01	0.19	0.74	0.58	0.53	0.81	0.89	0.55	0.91	0.27	0.24	0.34	0.12	0.15	0.54	0.98	0.95	0.94	0.69	0.79	0.53	0.77	0.87	0.81	0.78	0.67	0.90	0.96	0.84	0.63	0.91	0.99	0.71	0.90	0.17	0.66	0.45	0.78	1.00	1.00	1.00
12	1	12	0.74	1.00	0.00	0.30	0.21	0.00	0.14	0.82	0.76	0.73	0.79	0.94	0.74	0.95	0.35	0.32	0.40	0.23	0.23	0.59	0.99	1.00	1.00	0.73	0.81	0.48	0.79	0.84	0.84	0.71	0.66	0.95	1.00	0.82	0.59	1.00	1.00	0.69	1.00	0.15	0.64	0.50	0.61	1.00	1.00	1.00
12	1	13	0.94	1.00	0.00	0.42	0.15	0.01	0.11	0.87	0.95	0.94	0.83	0.97	0.94	0.98	0.38	0.36	0.46	0.44	0.26	0.59	0.99	1.00	1.00	0.72	0.80	0.62	0.78	0.82	0.81	0.76	0.72	0.92	0.99	0.72	0.54	1.00	1.00	0.76	0.99	0.40	0.79	0.56	0.77	1.00	1.00	1.00
12	1	14	0.91	1.00	0.00	0.50	0.10	0.02	0.06	0.89	0.92	0.91	0.85	0.94	0.91	0.95	0.42	0.40	0.52	0.47	0.24	0.57	0.98	1.00	1.00	0.67	0.75	0.56	0.73	0.66	0.72	0.61	0.64	0.86	0.88	0.70	0.83	0.91	0.93	0.80	0.90	0.17	0.73	0.56	0.77	1.00	1.00	1.00
12	1	15	0.78	1.00	0.00	0.56	0.04	0.03	0.06	0.86	0.80	0.78	0.88	0.87	0.79	0.88	0.46	0.44	0.53	0.36	0.24	0.55	0.98	1.00	1.00	0.52	0.61	0.41	0.60	0.58	0.49	0.54	0.56	0.75	0.77	0.69	0.58	0.85	0.82	0.48	0.84	0.18	0.63	0.47	0.48	1.00	1.00	1.00
12	1	16	0.79	0.99	0.00	0.60	0.01	0.07	0.05	0.77	0.81	0.78	0.89	0.92	0.79	0.93	0.51	0.49	0.51	0.45	0.27	0.50	0.99	0.99	0.99	0.29	0.37	0.27	0.37	0.33	0.32	0.38	0.34	0.44	0.48	0.54	0.39	0.51	0.47	0.34	0.50	0.16	0.43	0.27	0.19	1.00	1.00	1.00
12	1	17	0.79	0.99	0.00	0.70	0.03	0.20	0.02	0.61	0.81	0.79	0.78	0.89	0.80	0.90	0.63	0.62	0.58	0.44	0.21	0.42	0.85	0.99	0.98	0.02	0.06	0.03	0.06	0.06	0.07	0.08	0.06	0.12	0.10	0.11	0.04	0.07	0.06	0.04	0.07	0.06	0.05	0.01	0.00	1.00	1.00	1.00
12	1	18	0.81	0.98	0.00	0.78	0.04	0.33	0.00	0.50	0.83	0.81	0.72	0.81	0.81	0.83	0.74	0.73	0.66	0.46	0.22	0.28	0.81	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	19	0.60	0.97	0.00	0.77	0.01	0.33	0.00	0.40	0.63	0.60	0.70	0.75	0.61	0.78	0.81	0.80	0.72	0.51	0.26	0.46	0.79	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	20	0.44	0.97	0.04	0.72	0.00	0.49	0.00	0.38	0.48	0.43	0.70	0.71	0.44	0.74	0.87	0.87	0.76	0.46	0.27	0.43	0.76	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	21	0.39	0.98	0.20	0.68	0.00	0.60	0.00	0.42	0.44	0.38	0.77	0.64	0.40	0.69	0.92	0.92	0.81	0.30	0.29	0.39	0.83	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	22	0.36	0.98	0.54	0.75	0.00	0.55	0.00	0.47	0.41	0.35	0.69	0.50	0.37	0.55	0.93	0.93	0.83	0.17	0.31	0.33	0.79	0.98	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	23	0.28	0.80	0.65	0.77	0.00	0.73	0.00	0.50	0.34	0.27	0.53	0.43	0.29	0.47	0.92	0.92	0.83	0.07	0.39	0.21	0.67	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	1	24	0.23	0.66	0.67	0.78	0.04	0.78	0.00	0.54	0.29	0.22	0.44	0.65	0.24	0.70	0.90	0.90	0.81	0.05	0.52	0.11	0.33	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	1	0.14	0.59	0.76	0.81	0.19	0.83	0.00	0.55	0.20	0.13	0.40	0.53	0.15	0.58	0.89	0.88	0.81	0.07	0.71	0.12	0.16	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	2	0.11	0.62	0.82	0.75	0.26	0.88	0.00	0.43	0.17	0.10	0.22	0.53	0.12	0.58	0.87	0.86	0.80	0.07	0.81	0.13	0.15	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	3	0.09	0.69	0.83	0.75	0.42	0.91	0.00	0.28	0.15	0.08	0.08	0.40	0.10	0.47	0.82	0.82	0.75	0.11	0.88	0.09	0.13	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	4	0.05	0.76	0.78	0.73	0.49	0.92	0.00	0.15	0.11	0.05	0.02	0.22	0.06	0.29	0.78	0.77	0.78	0.16	0.94	0.05	0.13	0.76	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	5	0.03	0.79	0.74	0.69	0.54	0.88	0.00	0.09	0.09	0.02	0.00	0.02	0.04	0.08	0.72	0.71	0.90	0.23	0.98	0.03	0.10	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	6	0.04	0.73	0.65	0.72	0.56	0.78	0.02	0.04	0.09	0.03	0.00	0.00	0.05	0.02	0.68	0.67	0.92	0.27	0.97	0.04	0.06	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	7	0.01	0.82	0.53	0.72	0.56	0.79	0.13	0.00	0.07	0.00	0.00	0.00	0.02	0.03	0.64	0.63	0.93	0.34	0.89	0.04	0.05	0.82	0.77	0.00	0.02	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.06	0.13	0.09	0.06	0.02	0.04	0.26	0.40	1.00	1.00	1.00
12	2	8	0.01	0.77	0.53	0.75	0.55	0.83	0.21	0.00	0.07	0.00	0.00	0.00	0.02	0.02	0.61	0.60	0.90	0.40	0.86	0.03	0.03	0.77	0.72	0.13	0.24	0.42	0.23	0.03	0.01	0.05	0.21	0.20	0.20	0.41	0.57	0.50	0.53	0.53	0.49	0.31	0.40	0.63	0.81	1.00	1.00	1.00
12	2	9	0.02	0.66	0.59	0.75	0.48	0.67	0.23	0.00	0.08	0.01	0.00	0.00	0.03	0.04	0.55	0.54	0.87	0.40	0.93	0.02	0.00	0.66	0.59	0.38	0.51	0.57	0.50	0.12	0.29	0.40	0.41	0.59	0.58	0.76	0.80	0.79	0.80	0.78	0.78	0.36	0.63	0.84	0.97	1.00	1.00	1.00
12	2	10	0.03	0.58	0.57	0.75	0.32	0.40	0.28	0.00	0.09	0.02	0.00	0.01	0.04	0.08	0.50	0.48	0.85	0.33	0.90	0.02	0.00	0.58	0.50	0.56	0.67	0.78	0.66	0.06	0.52	0.69	0.49	0.68	0.86	0.84	0.96	0.95	0.94	0.92	0.95	0.66	0.73	0.96	1.00	1.00	1.00	1.00
12	2	11	0.06	0.55	0.53	0.81	0.26	0.51	0.34	0.00	0.12	0.05	0.00	0.04	0.07	0.11	0.44	0.42	0.86	0.34	0.92	0.03	0.03	0.55	0.46	0.66	0.75	0.93	0.74	0.04	0.61	0.74	0.60	0.78	0.92	0.96	1.00	1.00	1.00	0.98	1.00	0.76	0.88	1.00	1.00	1.00	1.00	1.00
12	2	12	0.09	0.50	0.45	0.85	0.30	0.70	0.38	0.00	0.15	0.08	0.00	0.06	0.10	0.13	0.40	0.38	0.89	0.38	0.93	0.05	0.02	0.50	0.41	0.72	0.79	0.91	0.78	0.05	0.67	0.83	0.77	0.85	0.89	0.96	0.96	1.00	1.00	1.00	1.00	0.64	0.91	1.00	1.00	1.00	1.00	1.00
12	2	13	0.12	0.50	0.37	0.88	0.37	0.71	0.36	0.00	0.18	0.11	0.00	0.08	0.13	0.15	0.31	0.29	0.86	0.41	0.90	0.06	0.04	0.50	0.41	0.73	0.81	0.88	0.79	0.13	0.59	0.80	0.84	0.85	1.00	0.95	0.97	1.00	0.99	1.00	1.00	0.67	0.88	1.00	1.00	1.00	1.00	1.00
12	2	14	0.13	0.53	0.36	0.89	0.44	0.66	0.25	0.00	0.19	0.12	0.00	0.09	0.14	0.16	0.28	0.26	0.85	0.45	0.82	0.07	0.03	0.54	0.44	0.63	0.71	0.79	0.70	0.13	0.36	0.70	0.79	0.81	0.96	0.91	0.68	0.91	0.94	0.93	0.90	0.63	0.88	0.95	0.96	1.00	1.00	1.00
12	2	15	0.16	0.41	0.40	0.88	0.45	0.65	0.16	0.00	0.22	0.15	0.00	0.12	0.17	0.20	0.29	0.26	0.84	0.51	0.75	0.07	0.03	0.41	0.32	0.52	0.61	0.66	0.60	0.10	0.37	0.63	0.73	0.74	0.88	0.77	0.54	0.71	0.84	0.84	0.70	0.55	0.78	0.82	0.73	1.00	1.00	1.00
12	2	16	0.18	0.41	0.47	0.83	0.47	0.52	0.14	0.00	0.23	0.17	0.00	0.18	0.19	0.25	0.28	0.26	0.83	0.63	0.70	0.08	0.04	0.41	0.31	0.28	0.36	0.37	0.36	0.11	0.17	0.40	0.45	0.52	0.53	0.49	0.35	0.34	0.55	0.53	0.34	0.26	0.49	0.40	0.29	1.00	1.00	1.00
12	2	17	0.22	0.51	0.54	0.83	0.56	0.55	0.14	0.00	0.28	0.21	0.01	0.25	0.23	0.32	0.27	0.25	0.81	0.76	0.66	0.10	0.08	0.51	0.42	0.02	0.06	0.03	0.06	0.01	0.03	0.08	0.10	0.16	0.12	0.10	0.03	0.04	0.09	0.10	0.04	0.06	0.06	0.02	0.00	1.00	1.00	1.00
12	2	18	0.16	0.51	0.60	0.85	0.66	0.63	0.11	0.00	0.22	0.15	0.01	0.35	0.17	0.42	0.24	0.22	0.81	0.73	0.68	0.12	0.06	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	19	0.19	0.49	0.58	0.84	0.68	0.75	0.05	0.00	0.25	0.19	0.01	0.38	0.20	0.44	0.30	0.28	0.79	0.71	0.67	0.13	0.03	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	20	0.19	0.45	0.48	0.82	0.65	0.78	0.03	0.00	0.24	0.18	0.01	0.39	0.20	0.45	0.33	0.31	0.79	0.72	0.66	0.10	0.04	0.45	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	21	0.16	0.50	0.34	0.82	0.60	0.56	0.01	0.00	0.22	0.15	0.01	0.39	0.17	0.45	0.35	0.33	0.82	0.67	0.68	0.09	0.06	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	22	0.16	0.53	0.29	0.82	0.50	0.52	0.00	0.00	0.22	0.15	0.02	0.43	0.17	0.49	0.36	0.34	0.87	0.67	0.71	0.09	0.03	0.53	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	23	0.17	0.51	0.31	0.82	0.40	0.68	0.00	0.00	0.23	0.16	0.05	0.43	0.18	0.49	0.36	0.34	0.90	0.68	0.72	0.09	0.03	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	2	24	0.21	0.52	0.33	0.82	0.34	0.76	0.00	0.00	0.27	0.20	0.09	0.41	0.22	0.47	0.35	0.33	0.91	0.70	0.69	0.08	0.00	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	1	0.19	0.51	0.38	0.81	0.29	0.59	0.00	0.00	0.25	0.18	0.13	0.41	0.20	0.47	0.34	0.32	0.89	0.65	0.64	0.08	0.00	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	2	0.21	0.50	0.45	0.81	0.20	0.54	0.00	0.00	0.27	0.20	0.15	0.44	0.22	0.50	0.34	0.31	0.89	0.64	0.67	0.10	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	3	0.21	0.50	0.52	0.81	0.15	0.52	0.00	0.00	0.26	0.20	0.18	0.45	0.21	0.51	0.32	0.30	0.89	0.67	0.67	0.10	0.00	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	4	0.23	0.52	0.59	0.81	0.09	0.38	0.00	0.00	0.28	0.22	0.20	0.42	0.24	0.48	0.31	0.29	0.87	0.64	0.62	0.10	0.00	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	5	0.22	0.50	0.67	0.80	0.05	0.31	0.00	0.00	0.27	0.21	0.23	0.38	0.23	0.44	0.30	0.28	0.85	0.60	0.55	0.10	0.00	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	6	0.20	0.50	0.71	0.79	0.01	0.41	0.00	0.00	0.25	0.19	0.23	0.36	0.21	0.43	0.30	0.28	0.83	0.59	0.54	0.11	0.00	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	7	0.18	0.61	0.70	0.79	0.00	0.25	0.00	0.00	0.24	0.17	0.26	0.36	0.19	0.43	0.29	0.27	0.78	0.58	0.54	0.09	0.01	0.61	0.53	0.00	0.02	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.10	0.08	0.07	0.04	0.04	0.25	0.35	1.00	1.00	1.00
12	3	8	0.16	0.61	0.67	0.77	0.00	0.18	0.00	0.00	0.22	0.15	0.24	0.37	0.17	0.43	0.27	0.25	0.78	0.56	0.54	0.08	0.00	0.61	0.54	0.16	0.29	0.49	0.29	0.06	0.07	0.15	0.29	0.32	0.45	0.53	0.55	0.54	0.53	0.52	0.54	0.42	0.44	0.63	0.77	1.00	1.00	1.00
12	3	9	0.14	0.71	0.62	0.70	0.00	0.14	0.00	0.00	0.20	0.13	0.18	0.36	0.15	0.42	0.24	0.22	0.83	0.50	0.53	0.09	0.00	0.71	0.65	0.43	0.58	0.74	0.57	0.23	0.49	0.52	0.60	0.65	0.76	0.80	0.80	0.79	0.78	0.77	0.79	0.62	0.71	0.83	0.96	1.00	1.00	1.00
12	3	10	0.13	0.74	0.52	0.59	0.00	0.16	0.00	0.00	0.19	0.12	0.12	0.35	0.14	0.42	0.21	0.18	0.82	0.45	0.55	0.08	0.00	0.74	0.68	0.62	0.74	0.84	0.73	0.31	0.67	0.69	0.75	0.81	0.93	0.95	0.91	0.94	0.91	0.89	0.93	0.69	0.82	0.95	1.00	1.00	1.00	1.00
12	3	11	0.11	0.80	0.36	0.55	0.00	0.05	0.00	0.00	0.17	0.10	0.09	0.35	0.12	0.41	0.21	0.19	0.75	0.40	0.58	0.06	0.00	0.80	0.76	0.73	0.82	0.92	0.81	0.34	0.75	0.78	0.81	0.90	0.99	1.00	0.99	1.00	0.95	0.94	1.00	0.82	0.90	0.99	1.00	1.00	1.00	1.00
12	3	12	0.10	0.86	0.29	0.63	0.00	0.02	0.00	0.00	0.15	0.09	0.09	0.35	0.11	0.42	0.24	0.22	0.72	0.36	0.60	0.07	0.02	0.86	0.83	0.76	0.84	0.95	0.83	0.25	0.76	0.79	0.82	0.93	1.00	1.00	1.00	1.00	0.98	0.97	1.00	0.88	0.91	0.99	1.00	1.00	1.00	1.00
12	3	13	0.08	0.87	0.28	0.69	0.00	0.01	0.02	0.00	0.14	0.07	0.08	0.38	0.09	0.44	0.28	0.26	0.70	0.34	0.61	0.09	0.00	0.87	0.85	0.77	0.85	0.91	0.83	0.27	0.79	0.77	0.82	0.93	1.00	1.00	1.00	1.00	0.98	0.98	1.00	0.89	0.91	0.97	1.00	1.00	1.00	1.00
12	3	14	0.09	0.90	0.33	0.71	0.00	0.01	0.08	0.00	0.15	0.08	0.08	0.37	0.10	0.44	0.31	0.29	0.69	0.37	0.60	0.09	0.00	0.90	0.88	0.70	0.78	0.85	0.77	0.17	0.70	0.75	0.78	0.90	0.98	0.97	0.94	0.95	0.87	0.92	0.94	0.84	0.87	0.91	0.92	1.00	1.00	1.00
12	3	15	0.08	0.94	0.41	0.72	0.00	0.00	0.16	0.00	0.14	0.07	0.08	0.38	0.09	0.45	0.33	0.31	0.70	0.41	0.60	0.09	0.00	0.94	0.93	0.56	0.66	0.70	0.65	0.14	0.56	0.62	0.68	0.78	0.86	0.85	0.81	0.83	0.78	0.80	0.83	0.75	0.76	0.78	0.72	1.00	1.00	1.00
12	3	16	0.10	0.98	0.44	0.71	0.01	0.02	0.26	0.00	0.16	0.09	0.10	0.37	0.11	0.43	0.35	0.33	0.68	0.45	0.59	0.10	0.00	0.98	0.97	0.31	0.40	0.35	0.40	0.15	0.31	0.39	0.43	0.49	0.55	0.56	0.55	0.48	0.49	0.51	0.47	0.34	0.44	0.36	0.27	1.00	1.00	1.00
12	3	17	0.10	0.97	0.58	0.75	0.07	0.02	0.36	0.00	0.16	0.09	0.21	0.32	0.11	0.39	0.38	0.36	0.68	0.43	0.59	0.13	0.00	0.97	0.96	0.03	0.07	0.03	0.07	0.02	0.07	0.08	0.09	0.15	0.14	0.12	0.07	0.07	0.08	0.10	0.06	0.05	0.06	0.02	0.00	1.00	1.00	1.00
12	3	18	0.10	0.91	0.69	0.76	0.21	0.01	0.43	0.00	0.16	0.09	0.29	0.30	0.11	0.37	0.40	0.38	0.69	0.39	0.58	0.15	0.00	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	19	0.15	0.86	0.77	0.72	0.25	0.01	0.46	0.00	0.21	0.14	0.30	0.27	0.16	0.34	0.45	0.43	0.65	0.39	0.55	0.18	0.00	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	20	0.15	0.78	0.87	0.67	0.21	0.00	0.49	0.00	0.21	0.14	0.30	0.27	0.16	0.34	0.47	0.45	0.62	0.42	0.53	0.22	0.00	0.78	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	21	0.12	0.75	0.91	0.66	0.14	0.00	0.53	0.00	0.18	0.11	0.30	0.29	0.13	0.36	0.50	0.48	0.57	0.43	0.54	0.21	0.00	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	22	0.09	0.72	0.90	0.63	0.03	0.00	0.55	0.00	0.15	0.08	0.29	0.30	0.10	0.36	0.53	0.52	0.52	0.40	0.55	0.21	0.00	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	23	0.07	0.71	0.90	0.60	0.00	0.00	0.56	0.02	0.13	0.06	0.29	0.29	0.08	0.36	0.61	0.60	0.53	0.33	0.57	0.22	0.01	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	3	24	0.09	0.70	0.90	0.56	0.00	0.00	0.59	0.02	0.15	0.08	0.32	0.29	0.10	0.35	0.70	0.69	0.56	0.26	0.57	0.22	0.02	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	1	0.07	0.70	0.89	0.43	0.00	0.00	0.62	0.02	0.13	0.06	0.38	0.30	0.08	0.37	0.72	0.71	0.56	0.25	0.58	0.22	0.02	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	2	0.04	0.73	0.85	0.38	0.00	0.00	0.65	0.04	0.10	0.03	0.41	0.28	0.05	0.35	0.77	0.76	0.61	0.23	0.58	0.27	0.02	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	3	0.02	0.68	0.76	0.33	0.00	0.00	0.68	0.04	0.08	0.02	0.44	0.26	0.03	0.33	0.74	0.73	0.63	0.19	0.58	0.25	0.03	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	4	0.02	0.64	0.78	0.29	0.00	0.00	0.72	0.05	0.08	0.01	0.45	0.20	0.03	0.28	0.73	0.71	0.62	0.18	0.59	0.25	0.04	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	5	0.00	0.68	0.91	0.28	0.00	0.00	0.76	0.05	0.06	0.00	0.46	0.19	0.01	0.26	0.72	0.71	0.63	0.14	0.59	0.27	0.04	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	6	0.00	0.69	0.96	0.25	0.00	0.00	0.80	0.04	0.04	0.00	0.45	0.20	0.00	0.27	0.72	0.71	0.66	0.10	0.57	0.29	0.04	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	7	0.00	0.64	0.95	0.22	0.00	0.00	0.84	0.05	0.02	0.00	0.42	0.20	0.00	0.27	0.71	0.70	0.68	0.06	0.59	0.28	0.04	0.64	0.56	0.00	0.02	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.07	0.07	0.06	0.03	0.02	0.25	0.41	1.00	1.00	1.00
12	4	8	0.00	0.50	0.96	0.21	0.00	0.00	0.86	0.05	0.00	0.00	0.40	0.20	0.00	0.27	0.70	0.69	0.66	0.01	0.60	0.28	0.05	0.50	0.41	0.14	0.26	0.44	0.26	0.04	0.00	0.00	0.24	0.30	0.39	0.52	0.54	0.52	0.51	0.50	0.52	0.36	0.38	0.62	0.77	1.00	1.00	1.00
12	4	9	0.00	0.35	0.91	0.20	0.00	0.00	0.86	0.06	0.00	0.00	0.39	0.20	0.00	0.28	0.68	0.67	0.60	0.00	0.61	0.28	0.04	0.34	0.25	0.38	0.50	0.62	0.49	0.16	0.05	0.20	0.55	0.64	0.74	0.79	0.78	0.79	0.75	0.76	0.78	0.55	0.57	0.82	0.93	1.00	1.00	1.00
12	4	10	0.00	0.37	0.89	0.17	0.00	0.00	0.84	0.06	0.00	0.00	0.35	0.20	0.00	0.28	0.65	0.64	0.48	0.00	0.65	0.25	0.02	0.37	0.27	0.54	0.64	0.67	0.63	0.15	0.10	0.35	0.69	0.81	0.91	0.94	0.91	0.92	0.86	0.90	0.91	0.57	0.73	0.92	0.98	1.00	1.00	1.00
12	4	11	0.00	0.41	0.88	0.13	0.00	0.00	0.83	0.05	0.00	0.00	0.32	0.21	0.00	0.28	0.64	0.63	0.41	0.00	0.68	0.21	0.01	0.41	0.31	0.62	0.70	0.66	0.69	0.25	0.15	0.21	0.77	0.88	1.00	1.00	0.95	0.98	0.93	0.96	0.97	0.47	0.68	0.97	0.96	1.00	1.00	1.00
12	4	12	0.00	0.43	0.82	0.11	0.00	0.00	0.82	0.04	0.00	0.00	0.36	0.24	0.00	0.31	0.68	0.67	0.42	0.00	0.68	0.20	0.01	0.43	0.33	0.68	0.75	0.74	0.74	0.30	0.21	0.28	0.81	0.93	1.00	1.00	0.99	1.00	0.96	0.99	1.00	0.70	0.68	0.97	0.92	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
12	4	13	0.00	0.50	0.69	0.12	0.00	0.01	0.83	0.04	0.00	0.00	0.41	0.26	0.00	0.34	0.69	0.68	0.35	0.00	0.68	0.19	0.00	0.50	0.40	0.67	0.74	0.70	0.73	0.29	0.27	0.37	0.72	0.91	1.00	1.00	0.99	0.99	0.90	0.96	0.98	0.58	0.68	0.94	0.87	1.00	1.00	1.00
12	4	14	0.00	0.52	0.63	0.11	0.00	0.03	0.82	0.04	0.00	0.00	0.44	0.26	0.00	0.33	0.67	0.66	0.26	0.00	0.69	0.19	0.00	0.52	0.43	0.64	0.71	0.64	0.70	0.36	0.23	0.40	0.68	0.86	0.97	0.97	0.93	0.94	0.92	0.90	0.93	0.47	0.61	0.90	0.78	1.00	1.00	1.00
12	4	15	0.00	0.55	0.61	0.11	0.00	0.10	0.81	0.05	0.00	0.00	0.41	0.24	0.00	0.31	0.60	0.59	0.21	0.00	0.75	0.20	0.00	0.55	0.46	0.53	0.62	0.52	0.61	0.46	0.16	0.26	0.54	0.79	0.86	0.85	0.84	0.83	0.81	0.80	0.82	0.45	0.46	0.78	0.60	1.00	1.00	1.00
12	4	16	0.00	0.58	0.56	0.12	0.00	0.12	0.81	0.06	0.00	0.00	0.41	0.24	0.00	0.31	0.57	0.56	0.20	0.00	0.84	0.23	0.00	0.58	0.50	0.28	0.36	0.25	0.36	0.27	0.17	0.19	0.36	0.52	0.55	0.55	0.37	0.50	0.41	0.52	0.49	0.18	0.31	0.36	0.23	1.00	1.00	1.00
12	4	17	0.00	0.60	0.51	0.20	0.02	0.22	0.81	0.09	0.00	0.00	0.40	0.27	0.00	0.34	0.59	0.58	0.19	0.00	0.93	0.26	0.00	0.60	0.52	0.02	0.06	0.02	0.06	0.05	0.02	0.02	0.07	0.17	0.14	0.12	0.03	0.07	0.05	0.10	0.07	0.04	0.04	0.02	0.00	1.00	1.00	1.00
12	4	18	0.00	0.62	0.58	0.31	0.14	0.36	0.84	0.14	0.00	0.00	0.35	0.29	0.00	0.36	0.62	0.60	0.17	0.00	0.94	0.26	0.00	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	19	0.00	0.59	0.51	0.37	0.26	0.39	0.86	0.17	0.00	0.00	0.32	0.27	0.00	0.34	0.49	0.47	0.17	0.00	0.91	0.25	0.00	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	20	0.00	0.58	0.41	0.39	0.29	0.38	0.87	0.17	0.00	0.00	0.30	0.25	0.00	0.32	0.37	0.35	0.19	0.00	0.82	0.23	0.00	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	21	0.00	0.59	0.39	0.40	0.29	0.37	0.86	0.14	0.00	0.00	0.27	0.25	0.00	0.32	0.33	0.31	0.28	0.00	0.81	0.19	0.00	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	22	0.00	0.62	0.34	0.41	0.19	0.35	0.87	0.13	0.00	0.00	0.23	0.26	0.00	0.33	0.34	0.31	0.31	0.00	0.81	0.14	0.00	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	23	0.00	0.67	0.34	0.42	0.05	0.34	0.88	0.12	0.00	0.00	0.17	0.25	0.00	0.32	0.33	0.31	0.35	0.00	0.76	0.10	0.00	0.67	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	4	24	0.00	0.64	0.33	0.43	0.00	0.37	0.88	0.14	0.00	0.00	0.12	0.24	0.00	0.31	0.36	0.34	0.31	0.00	0.76	0.07	0.00	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	1	0.00	0.59	0.42	0.43	0.00	0.18	0.86	0.15	0.00	0.00	0.06	0.23	0.00	0.30	0.39	0.37	0.23	0.00	0.73	0.06	0.00	0.59	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	2	0.00	0.66	0.53	0.40	0.00	0.17	0.85	0.15	0.00	0.00	0.01	0.18	0.00	0.26	0.38	0.36	0.17	0.00	0.70	0.05	0.00	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	3	0.00	0.73	0.51	0.41	0.00	0.21	0.83	0.16	0.00	0.00	0.00	0.13	0.00	0.20	0.31	0.29	0.12	0.00	0.81	0.04	0.00	0.73	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	4	0.00	0.47	0.48	0.44	0.00	0.36	0.82	0.15	0.00	0.00	0.00	0.09	0.00	0.17	0.28	0.26	0.08	0.00	0.80	0.03	0.00	0.47	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	5	0.00	0.34	0.59	0.43	0.00	0.52	0.82	0.14	0.01	0.00	0.00	0.08	0.00	0.15	0.26	0.24	0.05	0.00	0.74	0.02	0.00	0.34	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	6	0.00	0.37	0.57	0.43	0.00	0.44	0.80	0.15	0.01	0.00	0.00	0.07	0.00	0.14	0.26	0.24	0.03	0.00	0.64	0.01	0.00	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	7	0.00	0.33	0.43	0.40	0.00	0.43	0.78	0.16	0.01	0.00	0.00	0.06	0.00	0.13	0.25	0.23	0.03	0.00	0.49	0.00	0.00	0.33	0.22	0.00	0.01	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.05	0.02	0.00	0.01	0.26	0.31	1.00	1.00	1.00
12	5	8	0.00	0.30	0.25	0.40	0.00	0.35	0.77	0.14	0.01	0.00	0.00	0.05	0.00	0.12	0.25	0.23	0.03	0.00	0.38	0.00	0.00	0.30	0.19	0.10	0.19	0.35	0.18	0.02	0.01	0.04	0.19	0.23	0.30	0.25	0.20	0.35	0.50	0.47	0.34	0.10	0.29	0.60	0.73	1.00	1.00	1.00
12	5	9	0.00	0.28	0.12	0.37	0.00	0.24	0.72	0.11	0.00	0.00	0.00	0.03	0.00	0.10	0.24	0.22	0.03	0.00	0.37	0.00	0.00	0.28	0.17	0.29	0.39	0.57	0.38	0.17	0.30	0.34	0.40	0.55	0.68	0.47	0.04	0.48	0.75	0.68	0.48	0.47	0.49	0.76	0.90	1.00	1.00	1.00
12	5	10	0.00	0.21	0.09	0.28	0.00	0.15	0.70	0.06	0.00	0.00	0.00	0.00	0.00	0.07	0.21	0.19	0.02	0.00	0.44	0.00	0.00	0.21	0.10	0.46	0.56	0.69	0.55	0.26	0.48	0.58	0.52	0.66	0.85	0.82	0.32	0.42	0.85	0.83	0.42	0.67	0.68	0.77	0.89	1.00	1.00	1.00
12	5	11	0.00	0.18	0.13	0.18	0.00	0.20	0.71	0.09	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.13	0.02	0.00	0.40	0.00	0.00	0.18	0.07	0.64	0.73	0.68	0.71	0.44	0.71	0.61	0.60	0.78	0.97	0.99	0.87	0.66	0.81	0.94	0.65	0.84	0.73	0.71	0.69	1.00	1.00	1.00
12	5	12	0.00	0.13	0.22	0.15	0.00	0.27	0.78	0.13	0.00	0.00	0.00	0.00	0.00	0.02	0.12	0.10	0.02	0.00	0.38	0.00	0.00	0.13	0.04	0.73	0.81	0.72	0.80	0.54	0.79	0.65	0.64	0.89	1.00	1.00	0.98	0.93	0.83	0.98	0.92	0.81	0.86	0.69	0.67	1.00	1.00	1.00
12	5	13	0.00	0.10	0.28	0.12	0.00	0.28	0.82	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.08	0.02	0.00	0.39	0.00	0.01	0.10	0.02	0.76	0.84	0.76	0.82	0.58	0.77	0.76	0.65	0.90	1.00	1.00	0.97	0.97	0.90	0.97	0.96	0.82	0.87	0.62	0.60	1.00	1.00	1.00
12	5	14	0.00	0.08	0.31	0.10	0.00	0.26	0.79	0.31	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.07	0.02	0.00	0.38	0.00	0.02	0.08	0.01	0.71	0.79	0.70	0.78	0.52	0.75	0.73	0.64	0.84	0.96	0.95	0.92	0.93	0.90	0.93	0.92	0.66	0.80	0.73	0.53	1.00	1.00	1.00
12	5	15	0.02	0.08	0.35	0.09	0.00	0.19	0.77	0.45	0.07	0.01	0.00	0.00	0.03	0.02	0.09	0.07	0.02	0.01	0.32	0.00	0.04	0.08	0.00	0.58	0.68	0.57	0.67	0.34	0.64	0.65	0.57	0.76	0.85	0.85	0.82	0.83	0.79	0.81	0.82	0.50	0.70	0.71	0.43	1.00	1.00	1.00
12	5	16	0.12	0.09	0.38	0.06	0.00	0.14	0.76	0.58	0.18	0.11	0.00	0.00	0.13	0.03	0.08	0.06	0.02	0.01	0.34	0.00	0.11	0.09	0.01	0.31	0.40	0.25	0.39	0.20	0.39	0.40	0.40	0.44	0.51	0.53	0.50	0.49	0.46	0.55	0.48	0.17	0.40	0.36	0.15	1.00	1.00	1.00
12	5	17	0.15	0.09	0.37	0.08	0.00	0.11	0.76	0.65	0.21	0.14	0.00	0.00	0.16	0.04	0.07	0.06	0.04	0.02	0.33	0.03	0.26	0.09	0.01	0.03	0.07	0.02	0.06	0.03	0.09	0.08	0.09	0.13	0.13	0.11	0.06	0.07	0.06	0.11	0.07	0.03	0.05	0.02	0.00	1.00	1.00	1.00
12	5	18	0.15	0.09	0.33	0.09	0.01	0.11	0.76	0.65	0.21	0.14	0.01	0.00	0.16	0.05	0.08	0.06	0.07	0.02	0.31	0.05	0.40	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	19	0.14	0.10	0.27	0.08	0.03	0.09	0.76	0.64	0.20	0.13	0.03	0.03	0.15	0.10	0.10	0.08	0.12	0.03	0.31	0.06	0.46	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	20	0.16	0.20	0.21	0.09	0.01	0.05	0.76	0.66	0.22	0.15	0.06	0.05	0.17	0.12	0.11	0.09	0.17	0.03	0.28	0.09	0.51	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	21	0.22	0.32	0.11	0.09	0.00	0.07	0.72	0.67	0.27	0.21	0.06	0.06	0.23	0.14	0.11	0.09	0.20	0.03	0.30	0.10	0.55	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	22	0.24	0.42	0.03	0.07	0.00	0.19	0.63	0.65	0.30	0.23	0.05	0.08	0.25	0.15	0.11	0.09	0.25	0.03	0.33	0.11	0.58	0.42	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	23	0.25	0.50	0.00	0.04	0.00	0.17	0.56	0.61	0.31	0.24	0.08	0.12	0.26	0.19	0.12	0.10	0.29	0.02	0.34	0.12	0.60	0.50	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	5	24	0.23	0.58	0.00	0.02	0.00	0.06	0.45	0.57	0.28	0.22	0.13	0.17	0.23	0.25	0.10	0.08	0.30	0.01	0.37	0.12	0.60	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	1	0.19	0.62	0.00	0.01	0.00	0.03	0.36	0.56	0.25	0.18	0.19	0.18	0.20	0.25	0.10	0.08	0.36	0.01	0.36	0.12	0.59	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	2	0.12	0.68	0.00	0.01	0.00	0.02	0.29	0.55	0.18	0.12	0.21	0.16	0.13	0.23	0.11	0.09	0.37	0.01	0.33	0.10	0.57	0.68	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	3	0.11	0.72	0.00	0.00	0.00	0.01	0.22	0.55	0.17	0.10	0.21	0.15	0.12	0.22	0.11	0.09	0.31	0.01	0.26	0.10	0.58	0.72	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	4	0.11	0.71	0.00	0.00	0.00	0.02	0.13	0.59	0.16	0.10	0.20	0.14	0.12	0.21	0.11	0.09	0.28	0.00	0.25	0.10	0.59	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	5	0.10	0.75	0.00	0.01	0.00	0.02	0.06	0.62	0.15	0.09	0.17	0.17	0.11	0.24	0.13	0.11	0.27	0.00	0.28	0.10	0.59	0.74	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	6	0.18	0.80	0.00	0.01	0.00	0.00	0.04	0.62	0.24	0.17	0.17	0.22	0.19	0.29	0.16	0.14	0.23	0.01	0.29	0.11	0.60	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	7	0.22	0.85	0.01	0.03	0.00	0.00	0.01	0.57	0.27	0.21	0.19	0.23	0.23	0.30	0.18	0.16	0.18	0.01	0.30	0.13	0.60	0.85	0.82	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.26	1.00	1.00	1.00
12	6	8	0.26	0.88	0.02	0.08	0.00	0.00	0.00	0.53	0.31	0.25	0.20	0.24	0.27	0.32	0.21	0.18	0.13	0.02	0.40	0.16	0.58	0.88	0.86	0.04	0.08	0.20	0.07	0.00	0.00	0.00	0.03	0.09	0.33	0.14	0.05	0.10	0.21	0.13	0.10	0.09	0.09	0.29	0.56	1.00	1.00	1.00
12	6	9	0.28	0.94	0.04	0.12	0.00	0.00	0.00	0.48	0.33	0.27	0.20	0.20	0.29	0.27	0.21	0.19	0.09	0.02	0.50	0.17	0.51	0.94	0.92	0.15	0.20	0.30	0.20	0.00	0.03	0.02	0.15	0.23	0.61	0.37	0.26	0.20	0.32	0.34	0.20	0.15	0.21	0.40	0.73	1.00	1.00	1.00
12	6	10	0.26	0.95	0.07	0.14	0.00	0.00	0.00	0.43	0.32	0.25	0.17	0.13	0.27	0.20	0.14	0.12	0.03	0.03	0.63	0.17	0.51	0.95	0.94	0.26	0.31	0.38	0.30	0.01	0.03	0.05	0.21	0.25	0.59	0.58	0.42	0.40	0.63	0.45	0.40	0.19	0.21	0.56	0.82	1.00	1.00	1.00
12	6	11	0.27	0.95	0.07	0.14	0.00	0.00	0.00	0.47	0.32	0.26	0.16	0.13	0.28	0.20	0.08	0.06	0.02	0.05	0.70	0.19	0.57	0.95	0.94	0.35	0.40	0.36	0.39	0.01	0.09	0.09	0.20	0.50	0.68	0.60	0.51	0.63	0.68	0.65	0.62	0.12	0.28	0.54	0.84	1.00	1.00	1.00
12	6	12	0.31	0.93	0.05	0.15	0.00	0.00	0.00	0.54	0.37	0.31	0.19	0.15	0.32	0.22	0.06	0.04	0.02	0.07	0.71	0.32	0.61	0.93	0.92	0.33	0.37	0.39	0.36	0.01	0.06	0.08	0.09	0.51	0.73	0.75	0.18	0.52	0.71	0.62	0.51	0.13	0.27	0.66	0.86	1.00	1.00	1.00
12	6	13	0.36	0.92	0.06	0.20	0.00	0.01	0.00	0.65	0.41	0.35	0.26	0.19	0.37	0.26	0.07	0.05	0.02	0.12	0.71	0.50	0.66	0.92	0.91	0.40	0.44	0.39	0.43	0.01	0.06	0.07	0.11	0.45	0.86	0.73	0.81	0.54	0.82	0.56	0.53	0.15	0.31	0.63	0.80	1.00	1.00	1.00
12	6	14	0.46	0.93	0.08	0.30	0.00	0.02	0.00	0.73	0.50	0.45	0.33	0.26	0.46	0.33	0.09	0.08	0.02	0.22	0.69	0.61	0.66	0.93	0.91	0.34	0.39	0.34	0.38	0.01	0.05	0.06	0.05	0.24	0.82	0.77	0.69	0.54	0.70	0.53	0.54	0.12	0.32	0.51	0.73	1.00	1.00	1.00
12	6	15	0.60	0.90	0.11	0.36	0.00	0.02	0.00	0.78	0.64	0.60	0.39	0.29	0.61	0.36	0.12	0.10	0.00	0.24	0.57	0.68	0.65	0.90	0.87	0.24	0.28	0.23	0.28	0.01	0.03	0.04	0.02	0.15	0.69	0.50	0.30	0.46	0.58	0.56	0.45	0.13	0.15	0.36	0.52	1.00	1.00	1.00
12	6	16	0.63	0.80	0.18	0.38	0.00	0.06	0.00	0.78	0.67	0.63	0.46	0.29	0.64	0.36	0.14	0.12	0.01	0.34	0.45	0.71	0.65	0.80	0.76	0.13	0.17	0.13	0.16	0.02	0.03	0.06	0.01	0.11	0.37	0.23	0.23	0.30	0.35	0.34	0.30	0.02	0.13	0.27	0.16	1.00	1.00	1.00
12	6	17	0.58	0.78	0.21	0.43	0.00	0.11	0.00	0.76	0.62	0.58	0.54	0.30	0.59	0.37	0.17	0.15	0.03	0.36	0.42	0.75	0.65	0.78	0.73	0.01	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.02	0.09	0.03	0.02	0.03	0.05	0.05	0.03	0.00	0.01	0.01	0.00	1.00	1.00	1.00
12	6	18	0.54	0.80	0.20	0.44	0.00	0.19	0.01	0.78	0.58	0.53	0.61	0.34	0.55	0.41	0.16	0.14	0.04	0.44	0.40	0.77	0.70	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	19	0.51	0.81	0.18	0.40	0.00	0.35	0.04	0.82	0.55	0.51	0.67	0.39	0.52	0.45	0.12	0.10	0.03	0.53	0.39	0.78	0.73	0.81	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	20	0.59	0.79	0.15	0.34	0.02	0.47	0.16	0.86	0.62	0.58	0.64	0.44	0.59	0.51	0.09	0.07	0.03	0.66	0.32	0.77	0.72	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	21	0.61	0.80	0.10	0.26	0.11	0.53	0.29	0.86	0.64	0.60	0.66	0.39	0.61	0.46	0.08	0.06	0.01	0.83	0.20	0.77	0.71	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	22	0.68	0.82	0.08	0.17	0.16	0.77	0.35	0.83	0.71	0.67	0.78	0.30	0.68	0.36	0.09	0.07	0.01	0.90	0.08	0.80	0.71	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	23	0.58	0.79	0.05	0.09	0.12	0.92	0.41	0.83	0.61	0.57	0.80	0.30	0.59	0.37	0.10	0.08	0.01	0.91	0.04	0.85	0.69	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	6	24	0.58	0.79	0.02	0.07	0.13	0.97	0.46	0.83	0.62	0.58	0.74	0.34	0.59	0.41	0.13	0.11	0.01	0.93	0.03	0.89	0.63	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	1	0.65	0.80	0.01	0.10	0.09	0.99	0.49	0.84	0.68	0.64	0.68	0.30	0.65	0.37	0.18	0.15	0.01	0.94	0.05	0.89	0.56	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	2	0.66	0.82	0.01	0.17	0.02	0.98	0.55	0.81	0.69	0.66	0.66	0.30	0.66	0.37	0.21	0.19	0.03	0.95	0.07	0.88	0.52	0.82	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	3	0.72	0.80	0.02	0.30	0.07	0.82	0.60	0.75	0.74	0.71	0.61	0.35	0.72	0.41	0.25	0.22	0.07	0.94	0.07	0.87	0.50	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	4	0.75	0.77	0.01	0.48	0.34	0.80	0.89	0.72	0.77	0.75	0.45	0.40	0.76	0.46	0.26	0.23	0.10	0.90	0.08	0.88	0.49	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	5	0.82	0.80	0.00	0.67	0.44	0.30	0.91	0.72	0.84	0.82	0.40	0.53	0.83	0.59	0.25	0.22	0.09	0.91	0.09	0.88	0.49	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	6	0.84	0.83	0.00	0.75	0.40	0.26	0.88	0.73	0.85	0.84	0.39	0.58	0.84	0.63	0.24	0.21	0.06	0.94	0.11	0.85	0.49	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	7	0.82	0.80	0.00	0.72	0.36	0.17	0.90	0.77	0.84	0.82	0.34	0.56	0.82	0.61	0.25	0.23	0.07	0.96	0.15	0.83	0.48	0.80	0.76	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.13	1.00	1.00	1.00
12	7	8	0.80	0.79	0.00	0.70	0.42	0.72	0.91	0.83	0.81	0.79	0.34	0.47	0.80	0.53	0.26	0.24	0.11	0.97	0.21	0.82	0.47	0.79	0.74	0.03	0.07	0.19	0.07	0.11	0.03	0.01	0.04	0.03	0.19	0.31	0.00	0.08	0.08	0.07	0.08	0.13	0.18	0.25	0.40	1.00	1.00	1.00
12	7	9	0.79	0.78	0.00	0.69	0.27	0.71	0.85	0.87	0.81	0.79	0.33	0.44	0.79	0.50	0.27	0.25	0.11	0.94	0.25	0.80	0.46	0.78	0.74	0.14	0.19	0.30	0.19	0.41	0.35	0.02	0.20	0.02	0.27	0.67	0.01	0.17	0.08	0.14	0.17	0.18	0.31	0.36	0.61	1.00	1.00	1.00
12	7	10	0.81	0.82	0.00	0.71	0.05	0.39	0.84	0.84	0.83	0.81	0.31	0.42	0.82	0.48	0.26	0.24	0.10	0.92	0.28	0.73	0.45	0.82	0.78	0.26	0.31	0.33	0.31	0.56	0.52	0.11	0.10	0.07	0.45	0.76	0.26	0.49	0.13	0.23	0.49	0.16	0.31	0.31	0.71	1.00	1.00	1.00
12	7	11	0.95	0.84	0.00	0.74	0.00	0.41	0.88	0.87	0.96	0.95	0.49	0.47	0.95	0.53	0.25	0.22	0.13	0.95	0.30	0.74	0.49	0.84	0.80	0.33	0.37	0.35	0.36	0.46	0.66	0.27	0.09	0.16	0.28	0.68	0.55	0.55	0.32	0.22	0.55	0.25	0.41	0.28	0.77	1.00	1.00	1.00
12	7	12	0.99	0.82	0.00	0.76	0.00	0.26	0.88	0.89	0.99	0.99	0.68	0.50	0.99	0.55	0.26	0.23	0.16	0.98	0.32	0.78	0.54	0.82	0.79	0.42	0.46	0.35	0.45	0.63	0.76	0.38	0.06	0.13	0.45	0.59	0.73	0.61	0.50	0.38	0.60	0.30	0.33	0.30	0.76	1.00	1.00	1.00
12	7	13	0.98	0.86	0.00	0.78	0.02	0.18	0.86	0.89	0.98	0.98	0.76	0.58	0.98	0.62	0.26	0.24	0.20	0.98	0.35	0.74	0.66	0.86	0.83	0.42	0.47	0.28	0.46	0.52	0.54	0.59	0.14	0.04	0.50	0.64	0.83	0.73	0.53	0.20	0.72	0.20	0.35	0.32	0.47	1.00	1.00	1.00
12	7	14	0.95	0.94	0.00	0.76	0.05	0.12	0.85	0.88	0.96	0.95	0.83	0.73	0.96	0.76	0.27	0.25	0.25	0.99	0.38	0.78	0.76	0.94	0.92	0.39	0.43	0.32	0.42	0.48	0.62	0.47	0.09	0.28	0.47	0.37	0.57	0.64	0.58	0.36	0.63	0.26	0.34	0.34	0.58	1.00	1.00	1.00
12	7	15	0.92	0.93	0.00	0.75	0.08	0.19	0.87	0.84	0.92	0.91	0.85	0.82	0.92	0.84	0.27	0.25	0.30	0.98	0.41	0.84	0.84	0.93	0.91	0.34	0.39	0.33	0.39	0.38	0.48	0.46	0.12	0.19	0.58	0.36	0.30	0.68	0.69	0.36	0.67	0.29	0.38	0.31	0.45	1.00	1.00	1.00
12	7	16	0.90	0.82	0.00	0.67	0.08	0.26	0.83	0.77	0.91	0.90	0.85	0.86	0.90	0.88	0.26	0.23	0.34	0.93	0.47	0.84	0.86	0.82	0.79	0.20	0.25	0.19	0.25	0.43	0.35	0.32	0.12	0.20	0.33	0.27	0.14	0.37	0.33	0.21	0.37	0.18	0.31	0.18	0.16	1.00	1.00	1.00
12	7	17	0.88	0.82	0.00	0.66	0.14	0.18	0.80	0.69	0.89	0.88	0.90	0.91	0.88	0.93	0.24	0.22	0.36	0.96	0.49	0.84	0.79	0.82	0.78	0.01	0.04	0.02	0.03	0.08	0.07	0.06	0.02	0.04	0.08	0.03	0.01	0.06	0.05	0.02	0.06	0.04	0.02	0.01	0.00	1.00	1.00	1.00
12	7	18	0.76	0.79	0.00	0.67	0.25	0.31	0.82	0.63	0.78	0.75	0.86	0.87	0.76	0.88	0.24	0.22	0.37	0.96	0.50	0.79	0.76	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	19	0.73	0.84	0.00	0.67	0.26	0.73	0.83	0.50	0.75	0.73	0.81	0.90	0.73	0.91	0.24	0.22	0.34	0.96	0.49	0.73	0.72	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	20	0.77	0.88	0.00	0.65	0.35	0.74	0.84	0.36	0.79	0.76	0.79	0.82	0.77	0.85	0.23	0.20	0.31	0.93	0.47	0.66	0.70	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	21	0.77	0.83	0.00	0.64	0.37	0.67	0.86	0.39	0.80	0.77	0.80	0.68	0.77	0.71	0.20	0.18	0.29	0.93	0.47	0.56	0.74	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	22	0.47	0.80	0.00	0.63	0.37	0.92	0.87	0.58	0.51	0.46	0.82	0.63	0.48	0.67	0.19	0.17	0.25	0.90	0.48	0.51	0.75	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	23	0.49	0.78	0.00	0.61	0.40	0.66	0.88	0.70	0.53	0.48	0.79	0.69	0.49	0.73	0.17	0.15	0.23	0.79	0.47	0.50	0.70	0.78	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	7	24	0.52	0.79	0.00	0.58	0.35	0.57	0.88	0.69	0.56	0.51	0.80	0.81	0.52	0.84	0.16	0.13	0.20	0.66	0.47	0.52	0.64	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	1	0.51	0.79	0.01	0.53	0.20	0.89	0.84	0.78	0.55	0.51	0.85	0.83	0.52	0.85	0.16	0.14	0.19	0.56	0.42	0.50	0.57	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	2	0.60	0.79	0.02	0.47	0.12	0.73	0.81	0.86	0.64	0.60	0.88	0.78	0.61	0.80	0.18	0.16	0.18	0.54	0.39	0.50	0.55	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	3	0.55	0.83	0.02	0.46	0.06	0.58	0.72	0.85	0.59	0.55	0.85	0.77	0.56	0.80	0.20	0.18	0.17	0.52	0.41	0.47	0.52	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	4	0.52	0.86	0.02	0.47	0.01	0.49	0.66	0.84	0.56	0.51	0.83	0.76	0.53	0.79	0.24	0.22	0.18	0.41	0.43	0.41	0.48	0.86	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	5	0.48	0.84	0.03	0.49	0.00	0.44	0.61	0.81	0.53	0.48	0.71	0.69	0.49	0.72	0.30	0.27	0.21	0.21	0.42	0.41	0.44	0.84	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	6	0.48	0.88	0.05	0.53	0.00	0.42	0.62	0.79	0.53	0.48	0.54	0.71	0.49	0.74	0.34	0.32	0.24	0.15	0.38	0.42	0.51	0.88	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	7	0.40	0.88	0.06	0.55	0.00	0.40	0.67	0.76	0.45	0.40	0.43	0.66	0.41	0.70	0.37	0.35	0.25	0.13	0.35	0.37	0.56	0.88	0.85	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.02	0.01	0.01	0.00	0.08	0.25	1.00	1.00	1.00
12	8	8	0.33	0.84	0.06	0.65	0.00	0.32	0.67	0.75	0.38	0.32	0.47	0.57	0.34	0.61	0.36	0.34	0.25	0.10	0.30	0.36	0.56	0.84	0.81	0.08	0.16	0.27	0.16	0.16	0.05	0.11	0.18	0.11	0.26	0.38	0.01	0.22	0.48	0.32	0.22	0.12	0.29	0.33	0.56	1.00	1.00	1.00
12	8	9	0.35	0.73	0.04	0.72	0.00	0.18	0.66	0.71	0.40	0.34	0.51	0.54	0.36	0.59	0.36	0.34	0.25	0.08	0.23	0.34	0.52	0.73	0.68	0.30	0.42	0.40	0.41	0.51	0.49	0.52	0.50	0.22	0.59	0.53	0.21	0.41	0.71	0.49	0.41	0.17	0.45	0.58	0.60	1.00	1.00	1.00
12	8	10	0.51	0.69	0.01	0.73	0.00	0.10	0.65	0.63	0.56	0.51	0.54	0.59	0.52	0.63	0.36	0.34	0.26	0.05	0.21	0.42	0.50	0.69	0.62	0.41	0.49	0.47	0.49	0.63	0.71	0.69	0.53	0.16	0.58	0.69	0.06	0.45	0.79	0.56	0.45	0.27	0.40	0.69	0.52	1.00	1.00	1.00
12	8	11	0.49	0.70	0.00	0.76	0.02	0.15	0.63	0.57	0.53	0.48	0.61	0.70	0.50	0.74	0.36	0.34	0.31	0.05	0.20	0.53	0.49	0.70	0.64	0.49	0.56	0.42	0.55	0.66	0.80	0.67	0.55	0.29	0.63	0.40	0.28	0.64	0.92	0.63	0.63	0.31	0.37	0.58	0.55	1.00	1.00	1.00
12	8	12	0.39	0.75	0.00	0.78	0.08	0.21	0.63	0.54	0.44	0.39	0.64	0.68	0.40	0.71	0.36	0.34	0.37	0.04	0.21	0.62	0.50	0.75	0.70	0.53	0.59	0.41	0.58	0.57	0.83	0.79	0.51	0.21	0.87	0.67	0.31	0.40	0.95	0.64	0.40	0.25	0.46	0.70	0.56	1.00	1.00	1.00
12	8	13	0.32	0.86	0.00	0.78	0.08	0.16	0.67	0.55	0.37	0.31	0.64	0.65	0.33	0.69	0.35	0.33	0.37	0.05	0.25	0.61	0.62	0.86	0.83	0.53	0.58	0.39	0.57	0.61	0.82	0.71	0.52	0.45	0.95	0.66	0.09	0.36	0.80	0.67	0.36	0.28	0.41	0.53	0.59	1.00	1.00	1.00
12	8	14	0.28	0.89	0.00	0.82	0.08	0.18	0.68	0.55	0.33	0.27	0.64	0.58	0.29	0.63	0.34	0.32	0.35	0.07	0.28	0.59	0.71	0.89	0.87	0.47	0.52	0.38	0.51	0.51	0.81	0.65	0.29	0.48	0.54	0.68	0.14	0.38	0.75	0.76	0.38	0.10	0.38	0.46	0.61	1.00	1.00	1.00
12	8	15	0.37	0.91	0.00	0.82	0.13	0.18	0.67	0.54	0.42	0.36	0.66	0.56	0.38	0.61	0.32	0.30	0.32	0.09	0.30	0.58	0.75	0.91	0.88	0.39	0.46	0.32	0.45	0.40	0.69	0.65	0.27	0.43	0.38	0.56	0.22	0.50	0.70	0.51	0.50	0.14	0.32	0.45	0.47	1.00	1.00	1.00
12	8	16	0.44	0.77	0.00	0.80	0.14	0.30	0.70	0.49	0.49	0.44	0.67	0.57	0.45	0.62	0.32	0.30	0.33	0.14	0.31	0.57	0.75	0.77	0.71	0.26	0.34	0.22	0.33	0.39	0.45	0.47	0.27	0.31	0.28	0.37	0.40	0.28	0.53	0.35	0.28	0.05	0.28	0.25	0.18	1.00	1.00	1.00
12	8	17	0.43	0.56	0.00	0.83	0.08	0.47	0.69	0.37	0.48	0.42	0.61	0.51	0.44	0.56	0.33	0.31	0.45	0.18	0.30	0.48	0.65	0.56	0.49	0.02	0.05	0.01	0.05	0.08	0.11	0.12	0.05	0.08	0.07	0.07	0.03	0.03	0.08	0.04	0.03	0.00	0.02	0.01	0.00	1.00	1.00	1.00
12	8	18	0.43	0.49	0.00	0.84	0.12	0.50	0.73	0.22	0.48	0.42	0.59	0.47	0.44	0.53	0.32	0.30	0.51	0.19	0.25	0.36	0.52	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	19	0.32	0.46	0.00	0.81	0.43	0.48	0.70	0.09	0.37	0.31	0.56	0.43	0.33	0.48	0.30	0.28	0.60	0.18	0.24	0.27	0.33	0.46	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	20	0.19	0.54	0.00	0.75	0.78	0.44	0.60	0.04	0.24	0.18	0.46	0.52	0.20	0.58	0.27	0.25	0.62	0.15	0.23	0.21	0.20	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	21	0.13	0.54	0.00	0.71	0.91	0.23	0.55	0.04	0.18	0.12	0.29	0.47	0.14	0.52	0.24	0.22	0.60	0.12	0.24	0.16	0.12	0.54	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	22	0.17	0.49	0.00	0.73	0.93	0.13	0.57	0.11	0.23	0.16	0.11	0.49	0.18	0.55	0.20	0.18	0.52	0.09	0.22	0.12	0.12	0.49	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	23	0.26	0.41	0.00	0.72	0.92	0.12	0.56	0.31	0.32	0.25	0.01	0.46	0.27	0.52	0.16	0.14	0.44	0.08	0.18	0.11	0.17	0.41	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	8	24	0.23	0.28	0.00	0.74	0.89	0.36	0.54	0.57	0.29	0.22	0.01	0.36	0.24	0.42	0.13	0.11	0.45	0.08	0.13	0.11	0.18	0.28	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	1	0.23	0.20	0.00	0.74	0.85	0.40	0.39	0.49	0.28	0.22	0.09	0.23	0.24	0.30	0.10	0.08	0.46	0.08	0.09	0.10	0.15	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	2	0.32	0.14	0.00	0.73	0.85	0.44	0.28	0.46	0.37	0.31	0.20	0.08	0.32	0.15	0.08	0.06	0.38	0.07	0.07	0.13	0.10	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	3	0.36	0.10	0.00	0.68	0.86	0.40	0.18	0.64	0.42	0.36	0.30	0.04	0.37	0.10	0.06	0.04	0.30	0.06	0.05	0.14	0.04	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	4	0.35	0.07	0.00	0.63	0.88	0.39	0.10	0.75	0.40	0.34	0.31	0.07	0.36	0.14	0.05	0.04	0.22	0.06	0.02	0.18	0.01	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	5	0.34	0.03	0.00	0.62	0.85	0.30	0.06	0.80	0.39	0.34	0.36	0.10	0.35	0.17	0.05	0.03	0.19	0.07	0.02	0.21	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	6	0.38	0.03	0.00	0.63	0.75	0.26	0.09	0.82	0.43	0.38	0.45	0.20	0.39	0.27	0.05	0.04	0.16	0.10	0.03	0.22	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	7	0.41	0.04	0.01	0.58	0.61	0.23	0.21	0.85	0.46	0.41	0.50	0.29	0.42	0.36	0.06	0.04	0.13	0.10	0.06	0.26	0.02	0.04	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.22	1.00	1.00	1.00
12	9	8	0.42	0.03	0.07	0.56	0.45	0.13	0.31	0.86	0.47	0.42	0.43	0.42	0.43	0.48	0.06	0.04	0.11	0.08	0.11	0.32	0.02	0.03	0.00	0.10	0.20	0.34	0.20	0.14	0.05	0.09	0.22	0.28	0.35	0.46	0.47	0.28	0.25	0.18	0.28	0.33	0.32	0.16	0.62	1.00	1.00	1.00
12	9	9	0.42	0.03	0.09	0.52	0.29	0.08	0.31	0.86	0.46	0.41	0.35	0.42	0.42	0.48	0.06	0.05	0.12	0.05	0.21	0.33	0.05	0.02	0.00	0.35	0.48	0.49	0.47	0.55	0.48	0.52	0.58	0.65	0.63	0.66	0.78	0.44	0.35	0.30	0.43	0.44	0.47	0.21	0.73	1.00	1.00	1.00
12	9	10	0.50	0.05	0.11	0.47	0.21	0.05	0.23	0.86	0.55	0.50	0.49	0.46	0.51	0.52	0.06	0.04	0.14	0.04	0.33	0.33	0.16	0.05	0.00	0.55	0.67	0.56	0.65	0.75	0.70	0.71	0.73	0.84	0.77	0.73	0.89	0.70	0.57	0.45	0.70	0.47	0.52	0.28	0.75	1.00	1.00	1.00
12	9	11	0.56	0.10	0.13	0.39	0.11	0.03	0.18	0.88	0.60	0.56	0.50	0.50	0.57	0.55	0.05	0.04	0.12	0.04	0.40	0.35	0.22	0.10	0.01	0.65	0.74	0.59	0.72	0.76	0.78	0.81	0.88	0.93	0.69	0.79	0.78	0.75	0.61	0.65	0.74	0.38	0.54	0.32	0.93	1.00	1.00	1.00
12	9	12	0.50	0.14	0.12	0.36	0.02	0.02	0.19	0.88	0.55	0.50	0.55	0.50	0.51	0.55	0.05	0.04	0.11	0.05	0.51	0.35	0.20	0.14	0.04	0.69	0.77	0.54	0.75	0.75	0.77	0.85	0.92	0.98	0.72	0.82	0.99	0.66	0.80	0.41	0.66	0.23	0.57	0.45	0.93	1.00	1.00	1.00
12	9	13	0.39	0.13	0.13	0.32	0.00	0.03	0.18	0.79	0.44	0.38	0.68	0.50	0.40	0.55	0.05	0.04	0.12	0.06	0.65	0.33	0.17	0.13	0.04	0.67	0.74	0.59	0.73	0.71	0.82	0.85	0.89	0.98	0.58	0.64	0.91	0.75	0.78	0.45	0.74	0.33	0.60	0.37	0.88	1.00	1.00	1.00
12	9	14	0.39	0.15	0.15	0.29	0.00	0.02	0.20	0.69	0.43	0.38	0.73	0.54	0.39	0.59	0.05	0.03	0.14	0.06	0.72	0.35	0.15	0.15	0.05	0.58	0.65	0.57	0.63	0.52	0.75	0.78	0.88	0.94	0.66	0.48	0.39	0.74	0.85	0.38	0.73	0.27	0.52	0.46	0.84	1.00	1.00	1.00
12	9	15	0.42	0.16	0.17	0.27	0.00	0.02	0.25	0.62	0.47	0.42	0.65	0.56	0.43	0.61	0.05	0.04	0.16	0.06	0.76	0.42	0.12	0.16	0.06	0.45	0.52	0.49	0.51	0.23	0.63	0.70	0.75	0.84	0.41	0.50	0.29	0.61	0.66	0.44	0.60	0.48	0.45	0.26	0.62	1.00	1.00	1.00
12	9	16	0.47	0.18	0.18	0.27	0.00	0.03	0.33	0.57	0.52	0.47	0.52	0.53	0.48	0.58	0.09	0.07	0.21	0.06	0.78	0.47	0.08	0.18	0.08	0.28	0.36	0.30	0.35	0.21	0.30	0.44	0.48	0.53	0.36	0.39	0.27	0.43	0.47	0.43	0.43	0.23	0.45	0.19	0.19	1.00	1.00	1.00
12	9	17	0.48	0.19	0.19	0.36	0.00	0.03	0.40	0.46	0.52	0.47	0.38	0.51	0.48	0.56	0.13	0.11	0.23	0.07	0.80	0.50	0.08	0.19	0.09	0.02	0.06	0.03	0.05	0.02	0.05	0.10	0.11	0.17	0.06	0.08	0.01	0.05	0.07	0.06	0.05	0.05	0.05	0.01	0.00	1.00	1.00	1.00
12	9	18	0.41	0.20	0.19	0.38	0.00	0.02	0.42	0.39	0.45	0.40	0.41	0.56	0.41	0.61	0.13	0.11	0.23	0.06	0.80	0.49	0.08	0.20	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	19	0.37	0.18	0.20	0.36	0.00	0.02	0.35	0.40	0.42	0.37	0.46	0.56	0.38	0.61	0.10	0.08	0.21	0.05	0.79	0.44	0.09	0.18	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	20	0.42	0.16	0.20	0.32	0.00	0.01	0.23	0.39	0.47	0.41	0.58	0.49	0.42	0.54	0.10	0.08	0.21	0.04	0.85	0.40	0.08	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	21	0.37	0.15	0.20	0.28	0.00	0.00	0.14	0.35	0.42	0.36	0.61	0.41	0.38	0.47	0.12	0.10	0.23	0.03	0.90	0.40	0.09	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	22	0.32	0.13	0.22	0.24	0.00	0.00	0.08	0.32	0.37	0.31	0.57	0.35	0.32	0.42	0.13	0.11	0.27	0.03	0.91	0.39	0.10	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	23	0.30	0.10	0.23	0.24	0.00	0.00	0.04	0.27	0.35	0.29	0.60	0.39	0.30	0.45	0.15	0.13	0.31	0.02	0.90	0.36	0.10	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	9	24	0.27	0.10	0.21	0.23	0.00	0.00	0.01	0.23	0.33	0.26	0.69	0.42	0.28	0.48	0.16	0.14	0.35	0.02	0.89	0.35	0.08	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	1	0.21	0.10	0.17	0.19	0.00	0.00	0.00	0.23	0.26	0.20	0.72	0.44	0.22	0.50	0.15	0.13	0.35	0.02	0.90	0.32	0.07	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	2	0.17	0.09	0.11	0.21	0.00	0.00	0.00	0.20	0.23	0.16	0.71	0.44	0.18	0.50	0.13	0.11	0.32	0.03	0.89	0.30	0.04	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	3	0.12	0.10	0.07	0.23	0.00	0.00	0.00	0.16	0.17	0.11	0.67	0.46	0.13	0.51	0.13	0.11	0.29	0.03	0.88	0.31	0.03	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Month	Day	Hour	Wind											
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_C	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_C	Riverside_E	Greater_Imp
12	10	4	0.08	0.10	0.08	0.25	0.00	0.00	0.00	0.11	0.14	0.07	0.62	0.48
12	10	5	0.07	0.10	0.07	0.26	0.00	0.00	0.00	0.09	0.13	0.06	0.56	0.47
12	10	6	0.06	0.09	0.07	0.27	0.00	0.00	0.00	0.09	0.12	0.05	0.54	0.45
12	10	7	0.05	0.09	0.10	0.26	0.00	0.00	0.00	0.10	0.11	0.04	0.52	0.41
12	10	8	0.04	0.08	0.11	0.28	0.00	0.00	0.00	0.10	0.10	0.03	0.48	0.36
12	10	9	0.02	0.09	0.11	0.28	0.00	0.00	0.00	0.06	0.07	0.01	0.39	0.32
12	10	10	0.02	0.07	0.10	0.27	0.00	0.00	0.00	0.02	0.07	0.01	0.36	0.31
12	10	11	0.03	0.09	0.09	0.25	0.00	0.00	0.00	0.00	0.08	0.02	0.35	0.27
12	10	12	0.04	0.06	0.08	0.32	0.00	0.00	0.00	0.00	0.10	0.03	0.28	0.15
12	10	13	0.07	0.06	0.13	0.37	0.00	0.00	0.00	0.00	0.13	0.06	0.19	0.04
12	10	14	0.10	0.11	0.11	0.43	0.00	0.01	0.01	0.00	0.15	0.09	0.12	0.01
12	10	15	0.14	0.13	0.06	0.50	0.00	0.03	0.05	0.00	0.20	0.13	0.08	0.01
12	10	16	0.19	0.12	0.06	0.57	0.00	0.04	0.09	0.00	0.25	0.18	0.04	0.02
12	10	17	0.28	0.11	0.07	0.65	0.00	0.13	0.18	0.00	0.33	0.27	0.03	0.05
12	10	18	0.33	0.09	0.11	0.73	0.00	0.16	0.30	0.00	0.38	0.32	0.06	0.12
12	10	19	0.34	0.17	0.10	0.76	0.09	0.30	0.37	0.00	0.39	0.33	0.10	0.14
12	10	20	0.31	0.32	0.06	0.74	0.48	0.33	0.40	0.02	0.36	0.30	0.15	0.23
12	10	21	0.35	0.37	0.05	0.81	0.75	0.27	0.43	0.05	0.40	0.34	0.21	0.33
12	10	22	0.46	0.40	0.06	0.83	0.86	0.13	0.43	0.19	0.51	0.46	0.16	0.37
12	10	23	0.53	0.41	0.08	0.83	0.95	0.11	0.40	0.42	0.57	0.52	0.13	0.39
12	10	24	0.62	0.27	0.10	0.79	0.98	0.35	0.38	0.47	0.65	0.61	0.17	0.39
12	11	1	0.68	0.25	0.11	0.75	0.99	0.72	0.42	0.48	0.71	0.68	0.21	0.44
12	11	2	0.65	0.32	0.10	0.74	0.99	0.60	0.45	0.52	0.68	0.65	0.21	0.50
12	11	3	0.60	0.37	0.08	0.71	0.96	0.67	0.44	0.47	0.63	0.59	0.21	0.55
12	11	4	0.61	0.38	0.08	0.73	0.94	0.55	0.33	0.43	0.64	0.61	0.26	0.51
12	11	5	0.66	0.46	0.08	0.70	0.85	0.73	0.26	0.44	0.70	0.66	0.20	0.48
12	11	6	0.65	0.51	0.09	0.66	0.83	0.69	0.21	0.57	0.68	0.65	0.31	0.41
12	11	7	0.62	0.48	0.11	0.71	0.85	0.13	0.30	0.67	0.66	0.62	0.32	0.32
12	11	8	0.60	0.45	0.13	0.69	0.90	0.35	0.33	0.67	0.63	0.59	0.39	0.16
12	11	9	0.55	0.53	0.15	0.66	0.78	0.45	0.30	0.60	0.59	0.55	0.39	0.20
12	11	10	0.60	0.45	0.12	0.56	0.61	0.06	0.27	0.69	0.63	0.59	0.49	0.26
12	11	11	0.58	0.43	0.06	0.47	0.45	0.11	0.25	0.81	0.61	0.57	0.56	0.36
12	11	12	0.55	0.41	0.04	0.45	0.35	0.06	0.24	0.81	0.59	0.54	0.56	0.38
12	11	13	0.47	0.41	0.03	0.39	0.14	0.05	0.20	0.69	0.51	0.46	0.54	0.40
12	11	14	0.37	0.38	0.06	0.34	0.02	0.04	0.15	0.56	0.42	0.36	0.53	0.41
12	11	15	0.31	0.34	0.12	0.29	0.00	0.01	0.13	0.48	0.36	0.30	0.54	0.43
12	11	16	0.30	0.28	0.15	0.25	0.00	0.01	0.09	0.42	0.35	0.29	0.55	0.45
12	11	17	0.28	0.27	0.17	0.33	0.00	0.01	0.05	0.34	0.34	0.27	0.54	0.49
12	11	18	0.26	0.28	0.18	0.31	0.00	0.00	0.01	0.33	0.31	0.25	0.56	0.53
12	11	19	0.22	0.24	0.18	0.24	0.00	0.00	0.00	0.33	0.27	0.21	0.54	0.54
12	11	20	0.16	0.17	0.18	0.18	0.00	0.00	0.00	0.24	0.21	0.15	0.53	0.51
12	11	21	0.11	0.24	0.18	0.14	0.00	0.00	0.00	0.12	0.17	0.10	0.47	0.48
12	11	22	0.05	0.28	0.19	0.12	0.00	0.00	0.00	0.06	0.10	0.04	0.44	0.43
12	11	23	0.03	0.32	0.18	0.09	0.00	0.00	0.00	0.03	0.09	0.02	0.41	0.33
12	11	24	0.04	0.26	0.19	0.08	0.00	0.00	0.00	0.05	0.10	0.03	0.42	0.27
12	12	1	0.03	0.14	0.21	0.04	0.00	0.00	0.00	0.04	0.09	0.02	0.40	0.23
12	12	2	0.00	0.11	0.23	0.03	0.00	0.00	0.00	0.01	0.05	0.00	0.34	0.23
12	12	3	0.00	0.13	0.24	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.34	0.26
12	12	4	0.00	0.17	0.25	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.31
12	12	5	0.00	0.17	0.31	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.34
12	12	6	0.00	0.22	0.47	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.34
12	12	7	0.00	0.26	0.66	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.33
12	12	8	0.00	0.28	0.76	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.31
12	12	9	0.00	0.31	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.30
12	12	10	0.00	0.38	0.77	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.30
12	12	11	0.00	0.44	0.66	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.33
12	12	12	0.00	0.49	0.54	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.35
12	12	13	0.00	0.54	0.49	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.33
12	12	14	0.00	0.61	0.45	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.32
12	12	15	0.00	0.72	0.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.30
12	12	16	0.00	0.83	0.43	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.27
12	12	17	0.00	0.90	0.46	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.03	0.28
12	12	18	0.00	0.89	0.44	0.02	0.00	0.06	0.04	0.00	0.02	0.00	0.08	0.27
12	12	19	0.00	0.87	0.38	0.02	0.00	0.14	0.06	0.00	0.05	0.00	0.08	0.27
12	12	20	0.00	0.85	0.35	0.03	0.00	0.16	0.07	0.00	0.04	0.00	0.08	0.26
12	12	21	0.00	0.83	0.35	0.05	0.00	0.12	0.08	0.00	0.02	0.00	0.08	0.24
12	12	22	0.00	0.81	0.36	0.06	0.00	0.08	0.07	0.00	0.01	0.00	0.11	0.25
12	12	23	0.00	0.79	0.34	0.06	0.00	0.05	0.05	0.00	0.01	0.00	0.15	0.26
12	12	24	0.00	0.79	0.35	0.06	0.00	0.06	0.02	0.00	0.01	0.00	0.13	0.23
12	13	1	0.00	0.77	0.37	0.05	0.00	0.04	0.01	0.00	0.00	0.00	0.17	0.22
12	13	2	0.00	0.76	0.35	0.05	0.00	0.04	0.00	0.00	0.00	0.00	0.23	0.21
12	13	3	0.00	0.70	0.33	0.07	0.00	0.06	0.00	0.00	0.00	0.00	0.29	0.20
12	13	4	0.00	0.64	0.30	0.08	0.00	0.04	0.00	0.00	0.01	0.00	0.33	0.20
12	13	5	0.00	0.60	0.29	0.11	0.00	0.06	0.00	0.00	0.02	0.00	0.33	0.22
12	13	6	0.00	0.54	0.29	0.15	0.00	0.07	0.00	0.00	0.02	0.00	0.31	0.23
12	13	7	0.00	0.40	0.30	0.18	0.00	0.09	0.00	0.00	0.03	0.00	0.29	0.24
12	13	8	0.00	0.19	0.29	0.22	0.00	0.09	0.01	0.00	0.02	0.00	0.27	0.21
12	13	9	0.00	0.08	0.27	0.25	0.00	0.08	0.02	0.00	0.01	0.00	0.25	0.15
12	13	10	0.00	0.04	0.21	0.22	0.00	0.05	0.01	0.00	0.01	0.00	0.21	0.11
12	13	11	0.00	0.05	0.12	0.17	0.00	0.02	0.00	0.00	0.02	0.00	0.21	0.12
12	13	12	0.00	0.06	0.05	0.20	0.00	0.01	0.05	0.00	0.03	0.00	0.18	0.10
12	13	13	0.00	0.07	0.01	0.23	0.00	0.00	0.12	0.00	0.04	0.00	0.16	0.06
12	13	14	0.00	0.07	0.01	0.25	0.00	0.00	0.20	0.00	0.06	0.00	0.16	0.04
12	13	15	0.02	0.08	0.06	0.24	0.00	0.00	0.28	0.00	0.08	0.01	0.17	0.04
12	13	16	0.05	0.10	0.13	0.24	0.00	0.02	0.35	0.00	0.10	0.04	0.13	0.03
12	13	17	0.09	0.12	0.16	0.35	0.00	0.03	0.41	0.00	0.14	0.08	0.10	0.01
12	13	18	0.14	0.12	0.16	0.41	0.00	0.04	0.45	0.00	0.19	0.13	0.14	0.00
12	13	19	0.17	0.09	0.17	0.41	0.00	0.04	0.45	0.00	0.23	0.16	0.16	0.00
12	13	20	0.17	0.08	0.17	0.42	0.00	0.04	0.44	0.00	0.23	0.16	0.22	0.02
12	13	21	0.17	0.09	0.17	0.41	0.00	0.03	0.42	0.00	0.23	0.16	0.28	0.05
12	13	22	0.18	0.11	0.17	0.37	0.00	0.02	0.32	0.00	0.23	0.17	0.33	0.07
12	13	23	0.18	0.13	0.17	0.38	0.01	0.01	0.22	0.00	0.24	0.17	0.35	0.10
12	13	24	0.14	0.14	0.18	0.37	0.06	0.00	0.16	0.00	0.20	0.13	0.36	0.12
12	14	1	0.11	0.13	0.18	0.34	0.02	0.00	0.11	0.00	0.17	0.10	0.40	0.14
12	14	2	0.07	0.13	0.18	0.31	0.00	0.00	0.07	0.00	0.12	0.06	0.40	0.16
12	14	3	0.03	0.13	0.18	0.29	0.00	0.00	0.04	0.00	0.08	0.02	0.41	0.15
12	14	4	0.00	0.16	0.18	0.27	0.00	0.00	0.02	0.00	0.05	0.00	0.40	0.12
12	14	5	0.00	0.21	0.18	0.24	0.00	0.00	0.00	0.00	0.04	0.00	0.39	0.14
12	14	6	0.02	0.26	0.17	0.21	0.00	0.00	0.00	0.02	0.07	0.01	0.37	0.25
12	14	7	0.03	0.31	0.17	0.19	0.00	0.00	0.00	0.02	0.09	0.02	0.41	0.26
12	14	8	0.02	0.36	0.17	0.16	0.00	0.00	0.00	0.02	0.07	0.01	0.41	0.25
12	14	9	0.00	0.47	0.16	0.12	0.00	0.00	0.00	0.01	0.06	0.00	0.35	0.20
12	14	10	0.02	0.61	0.12	0.08	0.00	0.00	0.00	0.00	0.08	0.01	0.34	0.16
12	14	11	0.02	0.69	0.07	0.05	0.00	0.00	0.00	0.00	0.08	0.01	0.36	0.19
12	14	12	0.01	0.77	0.02	0.04	0.00	0.00	0.00	0.00	0.07	0.00	0.39	0.24
12	14	13	0.01	0.79	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.00	0.39	0.27
12	14	14	0.01	0.72	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.00	0.35	0.30
12	14	15	0.00	0.68	0.04	0.04	0.00	0.00	0.00	0.00	0.05	0.00	0.30	0.29
12	14	16	0.00	0.73	0.11	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.26	0.26
12	14	17	0.00	0.87	0.15	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.23
12	14	18	0.00	0.92	0.22	0.13	0.00	0.00	0.00	0.00	0.01	0.00	0.25	0.23
12	14	19	0.00	0.81	0.21	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.27
12	14	20	0.00	0.62	0.17	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.34
12	14	21	0.00	0.49	0.12	0.17	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.42
12	14	22	0.00	0.52	0.08	0.18	0.00	0.02	0.00	0.00	0.00	0.00	0.29	0.43
12	14	23	0.00	0.58	0.06	0.20	0.00	0.02	0.00	0.00	0.00	0.00	0.29	0.40
12	14	24	0.00	0.58	0.03	0.23	0.00	0.02	0.00	0.00	0.00	0.00	0.28	0.39
12	15	1	0.00	0.58	0.02	0.24	0.00	0.01	0.00	0.00	0.00	0.00	0.23	0.37
12	15	2	0.00	0.51	0.02	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.38
12	15	3	0.00	0.33	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.36
12	15	4	0.00	0.16	0.01	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.34
12	15	5	0.00	0.10	0.02	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.32
12	15	6	0.00	0.18	0.07	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.29
12	15	7	0.00	0.39	0.15	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.31
12	15	8	0.00	0.43	0.18	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.31
12	15	9	0.00	0.38	0.25	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.28
12	15	10	0.00	0.37	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28
12	15	11	0.00	0.39	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
12	15	12	0.00	0.39	0.28	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
12	15	13	0.00	0.40	0.32	0.12	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.19
12	15	14	0.00	0.44	0.39	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.16
12	15	15	0.00	0.47	0.45	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.14
12	15	16	0.00	0.55	0.41	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.14
12	15	17	0.00	0.65	0.50	0.09	0.00	0.02	0.00	0.00	0.06	0.00	0.00	0.16
12	15	18	0.03	0.70	0.58	0.10	0.00	0.02	0.00	0.00	0.08	0.02	0.00	0.16

Month	Day	Hour	Wind											Solar							
Month	Day	Hour	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S
12	10	4	0.09	0.53	0.13	0.11	0.25	0.03	0.84	0.32	0.02	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	5	0.08	0.53	0.12	0.10	0.21	0.03	0.81	0.32	0.01	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	6	0.07	0.51	0.10	0.08	0.18	0.03	0.78	0.31	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	7	0.06	0.47	0.11	0.09	0.16	0.03	0.73	0.31	0.01	0.09	0.01	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.00
12	10	8	0.05	0.42	0.12	0.10	0.15	0.02	0.65	0.30	0.01	0.08	0.01	0.13	0.26	0.32	0.25	0.15	0.02	0.07	0.22
12	10	9	0.03	0.38	0.12	0.10	0.13	0.01	0.57	0.22	0.00	0.09	0.01	0.42	0.57	0.51	0.56	0.55	0.43	0.49	0.57
12	10	10	0.03	0.38	0.12	0.10	0.09	0.02	0.45	0.15	0.00	0.07	0.00	0.63	0.76	0.54	0.75	0.72	0.68	0.70	0.78
12	10	11	0.04	0.34	0.13	0.11	0.09	0.03	0.31	0.11	0.00	0.09	0.01	0.75	0.86	0.52	0.84	0.76	0.79	0.78	0.84
12	10	12	0.05	0.23	0.17	0.15	0.15	0.06	0.18	0.10	0.00	0.06	0.00	0.81	0.90	0.52	0.88	0.76	0.85	0.84	0.86
12	10	13	0.08	0.11	0.19	0.17	0.27	0.09	0.11	0.11	0.01	0.06	0.00	0.82	0.90	0.37	0.88	0.71	0.85	0.83	0.87
12	10	14	0.11	0.07	0.19	0.17	0.38	0.13	0.08	0.13	0.02	0.11	0.02	0.75	0.84	0.34	0.83	0.62	0.78	0.78	0.84
12	10	15	0.15	0.07	0.20	0.18	0.46	0.20	0.08	0.16	0.03	0.13	0.04	0.63	0.74	0.31	0.72	0.65	0.69	0.68	0.76
12	10	16	0.20	0.09	0.21	0.19	0.63	0.31	0.10	0.19	0.03	0.12	0.03	0.35	0.44	0.21	0.43	0.43	0.40	0.43	0.53
12	10	17	0.29	0.12	0.22	0.20	0.74	0.48	0.13	0.29	0.03	0.11	0.02	0.03	0.08	0.03	0.07	0.09	0.09	0.10	0.13
12	10	18	0.34	0.20	0.22	0.20	0.78	0.56	0.15	0.35	0.02	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	19	0.35	0.22	0.20	0.18	0.81	0.55	0.19	0.39	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	20	0.32	0.30	0.19	0.17	0.84	0.54	0.30	0.38	0.00	0.32	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	21	0.36	0.40	0.18	0.15	0.85	0.56	0.46	0.35	0.02	0.37	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	22	0.47	0.44	0.16	0.14	0.86	0.54	0.50	0.35	0.03	0.40	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	23	0.54	0.45	0.14	0.12	0.84	0.49	0.49	0.34	0.07	0.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	10	24	0.62	0.45	0.14	0.11	0.78	0.53	0.47	0.32	0.16	0.27	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	1	0.69	0.50	0.13	0.11	0.72	0.51	0.41	0.31	0.22	0.25	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	2	0.66	0.55	0.12	0.10	0.62	0.45	0.33	0.29	0.17	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	3	0.60	0.60	0.10	0.08	0.54	0.37	0.25	0.25	0.12	0.37	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	4	0.62	0.57	0.10	0.08	0.43	0.33	0.23	0.25	0.06	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	5	0.67	0.53	0.09	0.07	0.34	0.30	0.22	0.30	0.01	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	6	0.66	0.47	0.09	0.07	0.26	0.26	0.21	0.31	0.00	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	7	0.63	0.39	0.09	0.07	0.18	0.22	0.21	0.31	0.01	0.48	0.38	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
12	11	8	0.60	0.23	0.08	0.06	0.11	0.18	0.18	0.29	0.01	0.45	0.36	0.09	0.20	0.32	0.19	0.16	0.04	0.06	0.23
12	11	9	0.56	0.27	0.08	0.06	0.05	0.13	0.15	0.22	0.00	0.53	0.43	0.39	0.55	0.50	0.54	0.59	0.47	0.50	0.60
12	11	10	0.60	0.33	0.09	0.07	0.02	0.11	0.13	0.17	0.00	0.45	0.35	0.63	0.76	0.57	0.75	0.77	0.69	0.70	0.77
12	11	11	0.59	0.43	0.08	0.06	0.01	0.09	0.13	0.14	0.00	0.43	0.33	0.75	0.86	0.69	0.84	0.84	0.79	0.79	0.85
12	11	12	0.55	0.45	0.07	0.05	0.01	0.07	0.13	0.14	0.00	0.41	0.31	0.81	0.89	0.64	0.87	0.88	0.81	0.85	0.85
12	11	13	0.47	0.46	0.06	0.04	0.01	0.06	0.12	0.15	0.00	0.41	0.30	0.83	0.92	0.65	0.90	0.85	0.84	0.85	0.85
12	11	14	0.38	0.47	0.07	0.05	0.01	0.06	0.12	0.16	0.00	0.38	0.27	0.78	0.87	0.63	0.85	0.84	0.79	0.77	0.83
12	11	15	0.31	0.49	0.08	0.06	0.01	0.07	0.12	0.17	0.00	0.34	0.24	0.62	0.73	0.58	0.71	0.64	0.66	0.66	0.65
12	11	16	0.31	0.51	0.11	0.09	0.02	0.08	0.14	0.18	0.00	0.28	0.18	0.34	0.44	0.29	0.43	0.44	0.35	0.42	0.47
12	11	17	0.29	0.55	0.14	0.12	0.04	0.12	0.17	0.22	0.00	0.27	0.16	0.03	0.07	0.03	0.07	0.08	0.06	0.09	0.10
12	11	18	0.27	0.58	0.16	0.14	0.07	0.13	0.21	0.23	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	19	0.23	0.60	0.16	0.14	0.07	0.08	0.26	0.24	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	20	0.17	0.56	0.18	0.16	0.07	0.04	0.28	0.21	0.00	0.17	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	21	0.12	0.54	0.23	0.21	0.14	0.02	0.29	0.17	0.00	0.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	22	0.06	0.50	0.25	0.23	0.24	0.01	0.41	0.15	0.00	0.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	23	0.04	0.39	0.33	0.31	0.39	0.00	0.61	0.13	0.00	0.32	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	11	24	0.05	0.34	0.45	0.43	0.45	0.00	0.72	0.12	0.00	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	1	0.04	0.30	0.51	0.49	0.46	0.00	0.82	0.10	0.00	0.14	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	2	0.01	0.30	0.50	0.48	0.50	0.00	0.86	0.10	0.00	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	3	0.00	0.33	0.47	0.45	0.51	0.00	0.87	0.09	0.00	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	4	0.00	0.38	0.41	0.39	0.54	0.00	0.88	0.07	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	5	0.00	0.40	0.34	0.32	0.56	0.00	0.89	0.06	0.00	0.17	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	6	0.00	0.41	0.30	0.28	0.58	0.00	0.87	0.05	0.00	0.22	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	7	0.00	0.39	0.30	0.28	0.57	0.00	0.84	0.04	0.00	0.26	0.15	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
12	12	8	0.00	0.38	0.38	0.36	0.56	0.00	0.83	0.03	0.00	0.28	0.17	0.12	0.23	0.36	0.23	0.09	0.01	0.00	0.17
12	12	9	0.00	0.37	0.43	0.41	0.53	0.00	0.84	0.01	0.00	0.31	0.20	0.37	0.51	0.55	0.50	0.32	0.35	0.13	0.53
12	12	10	0.00	0.36	0.38	0.36	0.45	0.00	0.84	0.00	0.00	0.38	0.27	0.56	0.67	0.64	0.66	0.57	0.27	0.30	0.66
12	12	11	0.00	0.40	0.28	0.26	0.41	0.00	0.85	0.00	0.00	0.44	0.34	0.60	0.68	0.62	0.67	0.62	0.38	0.43	0.63
12	12	12	0.00	0.42	0.21	0.19	0.38	0.00	0.85	0.00	0.00	0.49	0.40	0.66	0.74	0.67	0.72	0.70	0.46	0.52	0.66
12	12	13	0.00	0.39	0.15	0.13	0.34	0.00	0.85	0.00	0.00	0.54	0.46	0.68	0.75	0.69	0.73	0.74	0.48	0.56	0.64
12	12	14	0.00	0.38	0.12	0.10	0.31	0.00	0.84	0.00	0.00	0.61	0.53	0.74	0.83	0.73	0.82	0.89	0.34	0.74	0.76
12	12	15	0.00	0.37	0.11	0.09	0.31	0.00	0.84	0.00	0.00	0.72	0.66	0.63	0.74	0.68	0.72	0.80	0.49	0.69	0.61
12	12	16	0.00	0.34	0.12	0.10	0.39	0.00	0.85	0.02	0.00	0.83	0.80	0.32	0.41	0.38	0.40	0.46	0.37	0.43	0.44
12	12	17	0.00	0.35	0.17	0.15	0.47	0.00	0.81	0.05	0.00	0.90	0.87	0.03	0.07	0.03	0.07	0.10	0.09	0.09	0.09
12	12	18	0.00	0.34	0.19	0.17	0.46	0.01	0.77	0.07	0.00	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	19	0.01	0.34	0.19	0.17	0.42	0.00	0.76	0.07	0.00	0.87	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	20	0.00	0.33	0.21	0.18	0.37	0.00	0.77	0.06	0.00	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	21	0.00	0.32	0.21	0.19	0.35	0.00	0.78	0.05	0.00	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	22	0.00	0.32	0.20	0.17	0.34	0.00	0.79	0.06	0.00	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	23	0.00	0.33	0.18	0.16	0.31	0.00	0.74	0.05	0.00	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	12	24	0.00	0.30	0.20	0.18	0.31	0.00	0.67	0.05	0.01	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	1	0.00	0.29	0.25	0.23	0.29	0.00	0.65	0.05	0.03	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	2	0.00	0.28	0.27	0.25	0.28	0.00	0.68	0.06	0.03	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	3	0.00	0.28	0.26	0.24	0.23	0.00	0.74	0.07	0.03	0.70	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	4	0.00	0.28	0.24	0.21	0.17	0.00	0.74	0.08	0.04	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	5	0.00	0.29	0.22	0.20	0.13	0.00	0.65	0.10	0.05	0.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	6	0.00	0.30	0.21	0.19	0.14	0.00	0.53	0.11	0.05	0.54	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	7	0.00	0.31	0.19	0.17	0.16	0.00	0.43	0.13	0.05	0.40	0.29	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
12	13	8	0.00	0.28	0.18	0.15	0.16	0.00	0.37	0.14	0.06	0.19	0.09	0.09	0.18	0.38	0.18	0.13	0.02	0.05	0.22
12	13	9	0.00	0.22	0.16	0.14	0.15	0.00	0.26	0.12	0.04	0.08	0.01	0.35	0.48	0.62	0.47	0.57	0.45	0.48	0.59
12	13	10	0.00	0.19	0.13	0.11	0.12	0.00	0.15	0.09	0.02	0.04	0.00	0.57	0.69	0.69	0.68	0.76	0.69	0.69	0.77
12	13	11	0.00	0.19	0.09	0.07	0.09	0.00	0.09	0.08	0.01	0.05	0.00	0.71	0.81	0.74	0.79	0.87	0.78	0.78	0.87
12	13	12	0.00	0.18	0.06	0.05	0.09	0.01	0.07	0.08	0.01	0.06	0.00	0.75	0.83	0.72	0.82	0.87	0.84	0.85	0.90
12	13	13	0.00	0.13	0.05	0.03	0.08	0.02	0.06	0.09	0.00	0.07	0.00	0.74	0.82	0.78	0.80	0.90	0.83	0.84	0.90
12	13	14	0.01	0.11	0.04	0.02	0.07	0.03	0.07	0.11	0.00	0.07	0.00	0.70	0.78	0.85	0.76	0.87	0.80	0.80	0.85
12	13	15	0.03	0.11	0.04	0.02	0.08	0.05	0.09	0.14	0.00	0.08	0.00	0.56	0.65	0.71	0.64	0.77	0.66	0.69	0.71
12	13	16	0.06	0.11	0.04	0.03	0.09	0.06	0.13	0.16	0.00	0.10	0.02	0.32	0.41	0.39	0.41	0.52	0.40	0.40	0.47
12	13	17	0.10	0.08	0.05	0.04	0.14	0.08	0.14	0.18	0.01	0.12	0.03	0.03	0.07	0.04	0.07	0.12	0.09	0.08	0.10
12	13	18	0.15	0.06	0.06	0.05	0.19	0.09	0.11	0.23	0.01	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	19	0.18	0.05	0.08	0.06	0.21	0.09	0.08	0.32	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	20	0.18	0.09	0.09	0.07	0.24	0.09	0.05	0.37	0.02	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	21	0.18	0.12	0.10	0.08	0.25	0.10	0.03	0.47	0.02	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	22	0.18	0.14	0.10	0.08	0.25	0.10	0.02	0.55	0.05	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	23	0.19	0.17	0.10	0.08	0.22	0.09	0.01	0.58	0.07	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	13	24	0.15	0.19	0.09	0.07	0.23	0.09	0.01	0.57	0.07	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	1	0.12	0.21	0.09	0.07	0.23	0.08	0.02	0.58	0.10	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	2	0.08	0.24	0.09	0.07	0.20	0.08	0.02	0.60	0.14	0.13	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	3	0.04	0.22	0.08	0.06	0.20	0.09	0.03	0.62	0.19	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	4	0.01	0.19	0.08	0.06	0.22	0.09	0.04	0.61	0.22	0.16	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	5	0.00	0.21	0.07	0.06	0.22	0.08	0.04	0.61	0.27	0.21	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	6	0.03	0.32	0.07	0.05	0.24	0.07	0.04	0.62	0.31	0.26	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	7	0.04	0.34	0.08	0.06	0.26	0.06	0.04	0.62	0.32	0.31	0.20	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
12	14	8	0.02	0.32	0.09	0.07	0.29	0.05	0.05	0.59	0.28	0.36	0.25	0.12	0.24	0.40	0.24	0.12	0.02	0.05	0.19
12	14	9	0.01	0.27	0.11	0.09	0.31	0.04	0.08	0.54	0.18	0.47	0.38	0.41	0.57	0.65	0.56	0.41	0.43	0.47	0.56
12	14	10	0.03	0.23	0.12	0.10	0.26	0.03	0.11	0.52	0.16	0.61	0.53	0.62	0.75	0.74	0.74	0.57	0.64	0.69	0.76
12	14	11	0.03	0.26	0.13	0.11	0.22	0.03	0.12	0.54	0.13	0.69	0.62	0.76	0.87	0.80	0.85	0.67	0.73	0.79	0.85
12	14	12	0.02	0.31	0.13	0.11	0.18	0.04	0.13	0.55	0.14	0.77	0.71	0.84	0.93	0.84	0.91	0.73	0.81	0.85	0.91
12	14	13	0.02	0.34	0.14	0.12	0.16	0.04	0.14	0.57	0.19	0.79	0.74	0.84	0.92	0.79	0.90	0.79	0.80	0.79	0.89
12	14	14	0.02	0.37	0.16	0.14	0.14	0.04	0.14	0.59	0.23	0.72	0.66	0.77	0.87	0.78	0.85	0.74	0.79	0.71	0.82
12	14	15	0.00	0.36	0.20	0.18	0.16	0.04	0.14	0.59	0.23	0.68	0.62	0.65	0.75	0.70	0.74	0.65	0.66	0.68	0.72
12	14	16	0.00	0.33	0.28	0.25	0.25	0.02	0.19	0.57	0.16	0.73	0.67	0.36	0.46	0.40	0.45	0.42	0.42	0.46	0.49
12	14	17	0.00	0.30	0.34	0.32	0.31	0.02	0.24	0.56	0.18	0.87	0.84	0.04	0.08	0.04	0.08	0.09	0.10	0.12	0.12
12	14	18	0.00	0.30	0.39	0.36	0.33	0.02	0.30	0.52	0.19	0.92	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	19	0.00	0.34	0.42	0.40	0.36	0.02	0.32	0.48	0.15	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	20	0.00	0.40	0.45	0.43	0.45	0.02	0.36	0.42	0.10	0.62	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	21	0.00	0.48	0.48	0.46	0.51	0.01	0.44	0.39	0.10	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	22	0.00	0.49	0.53	0.51	0.50	0.00	0.52	0.35	0.14	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	23	0.00	0.46	0.57	0.56	0.53	0.00	0.59	0.30	0.16	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	14	24	0.00	0.45	0.62	0.61	0.60	0.00	0.64	0.28	0.15	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	1	0.00	0.44	0.67	0.66	0.63	0.00	0.70	0.27	0.12	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	2	0.00	0.45	0.72	0.70	0.67	0.00	0.77	0.28	0.10	0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	3	0.00	0.42	0.75	0.74	0.68	0.00	0.83	0.29	0.09	0.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	4	0.00	0.40	0.79	0.78	0.66	0.00	0.87	0.28	0.08	0.15	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	5	0.00	0.38	0.80	0.80	0.69	0.00	0.89	0.27	0.07	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	6	0.00	0.36	0.80	0.79	0.74	0.00	0.91	0.23	0.06	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	15	7	0.00	0.37	0.81	0.80	0.69	0.00	0.93	0.20	0.06	0.39	0.28	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
12	15	8	0.00	0.38	0.81	0.80	0.69	0.00	0.94	0.16	0.05	0.43	0.33	0.12	0.23	0.39	0.23	0.07	0.02	0.04	0.21
12	15	9	0.00	0.35	0.76	0.75	0.72	0.00	0.96	0.11	0.04	0.38	0.27	0.39	0.53	0.64	0.52	0.24	0.36	0.44	0.57
12	15	10	0.00	0.35	0.72	0.71	0.70	0.00	0.98	0.07	0.02	0.37	0.26	0.60	0.73	0.81	0.71	0.33	0.58	0.69	0.76
12	15	11	0.00	0.35	0.71	0.70	0.66	0.00	0.99	0.04	0.01	0.39	0.29	0.73	0.83	0.87	0.82	0.32	0.76	0.78	0.83
12	15	12	0.00	0.30	0.70	0.69	0.58	0.01	0.99	0.02	0.01	0.39	0.28	0.79	0.87	0.88	0.85	0.31	0.80	0.84	0.86
12	15	13	0.00	0.26	0.70	0.69	0.51	0.02	0.98	0.02	0.01	0.40	0.29	0.80	0.88	0.89	0.87	0.41	0.78	0.83	0.87
12	15	14	0.00	0.23	0.67	0.66	0.45	0.03	0.97	0.02	0.00	0.44	0.34	0.75	0.84	0.88	0.82	0.45	0.78	0.78	0.81
12	15	15	0.00	0.21	0.65	0.63	0.42	0.04	0.95	0.02	0.00	0.47	0.38	0.63	0.73	0.78	0.72	0.36	0.67	0.69	0.74
12	15	16	0.00	0.22	0.68	0.67	0.44	0.07	0.91	0.03	0.00	0.55	0.47	0.34	0.44	0.41	0.43	0.28	0.42	0.42	0.50
12	15	17	0.01	0.24	0.71	0.70	0.46	0.12	0.87	0.05	0.00	0.65	0.58	0.04	0.08	0.04	0.08	0.05	0.10	0.10	0.12
12	15	18	0.04	0.23	0.70	0.69	0.42	0.15	0.85	0.05	0.01	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Month	Day	Hour	Solar												Geothermal	Biomass	Small Hydro
Month	Day	Hour	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
12	10	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	7	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.12	0.07	1.00	1.00	1.00
12	10	8	0.27	0.37	0.48	0.53	0.51	0.50	0.43	0.50	0.23	0.41	0.37	0.22	1.00	1.00	1.00
12	10	9	0.64	0.70	0.74	0.80	0.78	0.75	0.67	0.77	0.35	0.61	0.52	0.28	1.00	1.00	1.00
12	10	10	0.81	0.90	0.92	0.93	0.92	0.79	0.84	0.91	0.23	0.72	0.54	0.31	1.00	1.00	1.00
12	10	11	0.90	0.96	0.94	1.00	0.99	0.96	0.89	0.99	0.17	0.78	0.54	0.36	1.00	1.00	1.00
12	10	12	0.94	1.00	0.97	1.00	1.00	0.98	0.96	1.00	0.18	0.79	0.56	0.36	1.00	1.00	1.00
12	10	13	0.95	1.00	0.96	1.00	1.00	1.00	0.91	1.00	0.19	0.80	0.42	0.11	1.00	1.00	1.00
12	10	14	0.91	1.00	0.93	0.98	0.98	0.92	0.85	0.97	0.17	0.73	0.42	0.04	1.00	1.00	1.00
12	10	15	0.83	0.90	0.82	0.87	0.84	0.76	0.79	0.83	0.30	0.65	0.38	0.08	1.00	1.00	1.00
12	10	16	0.56	0.52	0.56	0.42	0.53	0.50	0.48	0.52	0.14	0.48	0.27	0.02	1.00	1.00	1.00
12	10	17	0.18	0.12	0.11	0.04	0.08	0.07	0.08	0.07	0.06	0.06	0.01	0.00	1.00	1.00	1.00
12	10	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	10	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	7	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.06	0.24	1.00	1.00	1.00
12	11	8	0.25	0.38	0.44	0.42	0.40	0.16	0.17	0.39	0.29	0.38	0.17	0.49	1.00	1.00	1.00
12	11	9	0.63	0.74	0.77	0.76	0.70	0.54	0.47	0.69	0.33	0.60	0.32	0.54	1.00	1.00	1.00
12	11	10	0.82	0.91	0.89	0.92	0.91	0.81	0.77	0.90	0.33	0.66	0.42	0.60	1.00	1.00	1.00
12	11	11	0.90	0.99	0.90	1.00	1.00	0.99	0.77	1.00	0.41	0.81	0.42	0.64	1.00	1.00	1.00
12	11	12	0.94	0.99	0.89	1.00	1.00	1.00	0.84	1.00	0.43	0.76	0.43	0.43	1.00	1.00	1.00
12	11	13	0.97	1.00	0.97	1.00	1.00	1.00	0.92	1.00	0.48	0.75	0.45	0.59	1.00	1.00	1.00
12	11	14	0.90	1.00	0.98	0.99	0.97	0.98	0.86	0.96	0.49	0.79	0.52	0.41	1.00	1.00	1.00
12	11	15	0.81	0.85	0.80	0.89	0.86	0.87	0.79	0.86	0.44	0.74	0.44	0.34	1.00	1.00	1.00
12	11	16	0.53	0.54	0.49	0.52	0.53	0.56	0.52	0.53	0.19	0.48	0.24	0.13	1.00	1.00	1.00
12	11	17	0.17	0.12	0.09	0.06	0.07	0.09	0.10	0.07	0.05	0.06	0.01	0.00	1.00	1.00	1.00
12	11	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	11	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	7	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.16	0.21	1.00	1.00	1.00
12	12	8	0.24	0.33	0.44	0.50	0.47	0.47	0.46	0.46	0.41	0.39	0.53	0.39	1.00	1.00	1.00
12	12	9	0.59	0.69	0.67	0.77	0.76	0.73	0.72	0.76	0.63	0.63	0.72	0.60	1.00	1.00	1.00
12	12	10	0.81	0.89	0.85	0.92	0.90	0.86	0.91	0.90	0.69	0.72	0.81	0.66	1.00	1.00	1.00
12	12	11	0.76	0.85	0.82	0.84	0.81	0.83	0.84	0.80	0.68	0.63	0.74	0.67	1.00	1.00	1.00
12	12	12	0.80	0.90	0.87	0.87	0.86	0.86	0.87	0.85	0.62	0.61	0.77	0.75	1.00	1.00	1.00
12	12	13	0.81	0.91	0.87	0.86	0.88	0.86	0.86	0.87	0.52	0.55	0.76	0.88	1.00	1.00	1.00
12	12	14	0.93	1.00	0.96	0.96	0.98	0.93	0.96	0.97	0.56	0.70	0.80	0.91	1.00	1.00	1.00
12	12	15	0.82	0.91	0.89	0.87	0.82	0.80	0.85	0.82	0.58	0.60	0.74	0.77	1.00	1.00	1.00
12	12	16	0.53	0.57	0.53	0.17	0.45	0.51	0.53	0.45	0.32	0.41	0.40	0.28	1.00	1.00	1.00
12	12	17	0.17	0.14	0.11	0.00	0.06	0.08	0.10	0.06	0.05	0.03	0.03	0.00	1.00	1.00	1.00
12	12	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	12	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	7	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.00	0.14	0.26	1.00	1.00	1.00
12	13	8	0.25	0.37	0.35	0.13	0.15	0.37	0.46	0.15	0.36	0.29	0.45	0.56	1.00	1.00	1.00
12	13	9	0.62	0.74	0.68	0.22	0.31	0.63	0.76	0.30	0.44	0.51	0.69	0.73	1.00	1.00	1.00
12	13	10	0.82	0.93	0.86	0.38	0.58	0.78	0.92	0.57	0.29	0.62	0.79	0.89	1.00	1.00	1.00
12	13	11	0.92	1.00	0.95	0.56	0.60	0.95	1.00	0.60	0.34	0.71	0.79	0.96	1.00	1.00	1.00
12	13	12	0.94	1.00	0.93	0.63	0.47	0.96	0.99	0.47	0.29	0.65	0.86	1.00	1.00	1.00	1.00
12	13	13	0.95	1.00	0.93	0.22	0.62	0.99	1.00	0.62	0.33	0.70	0.94	0.90	1.00	1.00	1.00
12	13	14	0.92	1.00	0.71	0.27	0.77	0.90	0.95	0.76	0.55	0.81	0.93	0.84	1.00	1.00	1.00
12	13	15	0.83	0.91	0.80	0.23	0.49	0.64	0.84	0.48	0.46	0.72	0.84	0.72	1.00	1.00	1.00
12	13	16	0.58	0.65	0.50	0.27	0.29	0.42	0.51	0.28	0.18	0.51	0.41	0.28	1.00	1.00	1.00
12	13	17	0.19	0.18	0.10	0.01	0.03	0.05	0.10	0.03	0.06	0.07	0.03	0.00	1.00	1.00	1.00
12	13	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	13	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.17	0.19	1.00	1.00	1.00
12	14	8	0.23	0.38	0.47	0.51	0.48	0.47	0.46	0.47	0.38	0.42	0.55	0.41	1.00	1.00	1.00
12	14	9	0.61	0.73	0.78	0.79	0.77	0.73	0.76	0.77	0.48	0.68	0.81	0.53	1.00	1.00	1.00
12	14	10	0.79	0.91	0.94	0.94	0.92	0.84	0.90	0.92	0.50	0.82	0.88	0.49	1.00	1.00	1.00
12	14	11	0.89	1.00	1.00	1.00	1.00	0.96	0.99	0.99	0.53	0.90	0.97	0.63	1.00	1.00	1.00
12	14	12	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.52	0.94	0.98	0.66	1.00	1.00	1.00
12	14	13	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.88	0.92	0.72	1.00	1.00	1.00
12	14	14	0.89	1.00	1.00	1.00	0.96	0.97	0.97	0.96	0.54	0.87	0.95	0.62	1.00	1.00	1.00
12	14	15	0.79	0.89	0.90	0.89	0.86	0.85	0.86	0.85	0.58	0.79	0.84	0.53	1.00	1.00	1.00
12	14	16	0.55	0.51	0.57	0.55	0.53	0.51	0.56	0.52	0.23	0.56	0.44	0.20	1.00	1.00	1.00
12	14	17	0.18	0.12	0.12	0.06	0.08	0.08	0.12	0.08	0.06	0.08	0.03	0.00	1.00	1.00	1.00
12	14	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	14	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	7	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.19	0.21	1.00	1.00	1.00
12	15	8	0.24	0.34	0.42	0.50	0.47	0.48	0.42	0.46	0.22	0.35	0.60	0.48	1.00	1.00	1.00
12	15	9	0.62	0.66	0.71	0.78	0.77	0.76	0.70	0.76	0.41	0.61	0.83	0.63	1.00	1.00	1.00
12	15	10	0.81	0.91	0.91	0.91	0.91	0.91	0.88	0.91	0.66	0.76	0.96	0.72	1.00	1.00	1.00
12	15	11	0.91	1.00	1.00	1.00	0.97	1.00	0.95	0.96	0.61	0.81	1.00	0.80	1.00	1.00	1.00
12	15	12	0.94	1.00	1.00	1.00	1.00	1.00	0.99	1.00	0.58	0.88	1.00	0.89	1.00	1.00	1.00
12	15	13	0.94	1.00	1.00	1.00	1.00	0.99	1.00	1.00	0.60	0.87	1.00	0.97	1.00	1.00	1.00
12	15	14	0.92	1.00	1.00	0.99	0.97	0.91	0.94	0.96	0.65	0.84	0.97	0.90	1.00	1.00	1.00
12	15	15	0.81	0.91	0.90	0.89	0.86	0.83	0.83	0.86	0.60	0.78	0.85	0.77	1.00	1.00	1.00
12	15	16	0.56	0.63	0.58	0.40	0.49	0.50	0.51	0.48	0.29	0.51	0.44	0.30	1.00	1.00	1.00
12	15	17	0.19	0.17	0.13	0.05	0.07	0.08	0.10	0.07	0.05	0.08	0.03	0.00	1.00	1.00	1.00
12	15	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

Wind

Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Win	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx
12	15	19	0.04	0.71	0.58	0.11	0.00	0.01	0.00	0.00	0.09	0.03	0.00	0.15	0.05	0.22	0.69	0.68	0.35	0.17	0.84	0.05	0.01	0.71	0.64
12	15	20	0.04	0.70	0.59	0.10	0.00	0.01	0.00	0.00	0.09	0.03	0.00	0.15	0.05	0.22	0.67	0.66	0.29	0.19	0.83	0.03	0.01	0.70	0.64
12	15	21	0.03	0.72	0.51	0.08	0.00	0.00	0.00	0.00	0.09	0.03	0.00	0.14	0.04	0.21	0.65	0.64	0.25	0.20	0.82	0.02	0.01	0.72	0.66
12	15	22	0.05	0.71	0.44	0.09	0.00	0.00	0.00	0.00	0.11	0.04	0.00	0.13	0.06	0.20	0.65	0.64	0.23	0.22	0.82	0.02	0.00	0.71	0.65
12	15	23	0.07	0.68	0.38	0.10	0.00	0.00	0.00	0.00	0.13	0.06	0.00	0.13	0.08	0.20	0.64	0.63	0.20	0.25	0.82	0.01	0.00	0.68	0.61
12	15	24	0.10	0.65	0.36	0.11	0.00	0.00	0.00	0.00	0.16	0.09	0.00	0.13	0.11	0.21	0.64	0.63	0.19	0.31	0.82	0.01	0.00	0.65	0.58
12	16	1	0.12	0.63	0.34	0.11	0.00	0.00	0.00	0.00	0.18	0.11	0.00	0.15	0.13	0.23	0.63	0.62	0.20	0.35	0.83	0.00	0.00	0.63	0.56
12	16	2	0.12	0.64	0.26	0.11	0.00	0.00	0.00	0.00	0.18	0.11	0.00	0.21	0.13	0.28	0.61	0.60	0.23	0.37	0.85	0.01	0.00	0.64	0.57
12	16	3	0.11	0.70	0.21	0.12	0.00	0.00	0.00	0.00	0.17	0.10	0.00	0.26	0.12	0.33	0.59	0.58	0.24	0.38	0.87	0.01	0.00	0.70	0.64
12	16	4	0.12	0.72	0.21	0.13	0.00	0.00	0.00	0.00	0.17	0.11	0.00	0.30	0.13	0.36	0.57	0.55	0.26	0.36	0.90	0.02	0.00	0.72	0.66
12	16	5	0.11	0.68	0.20	0.14	0.00	0.00	0.00	0.00	0.17	0.10	0.00	0.33	0.12	0.39	0.53	0.51	0.29	0.35	0.91	0.02	0.00	0.68	0.61
12	16	6	0.10	0.67	0.20	0.15	0.00	0.00	0.00	0.00	0.16	0.09	0.00	0.32	0.11	0.39	0.52	0.50	0.32	0.35	0.91	0.03	0.00	0.67	0.60
12	16	7	0.10	0.68	0.22	0.17	0.00	0.00	0.00	0.00	0.16	0.09	0.00	0.29	0.11	0.36	0.51	0.49	0.33	0.34	0.91	0.03	0.00	0.68	0.62
12	16	8	0.09	0.69	0.22	0.19	0.00	0.00	0.00	0.00	0.14	0.08	0.00	0.29	0.10	0.36	0.50	0.49	0.33	0.31	0.89	0.04	0.00	0.69	0.62
12	16	9	0.07	0.70	0.22	0.19	0.00	0.00	0.00	0.00	0.12	0.06	0.00	0.27	0.08	0.34	0.50	0.49	0.30	0.23	0.89	0.03	0.00	0.70	0.64
12	16	10	0.03	0.68	0.20	0.19	0.00	0.00	0.00	0.00	0.09	0.03	0.00	0.23	0.04	0.30	0.49	0.48	0.23	0.15	0.90	0.01	0.00	0.68	0.61
12	16	11	0.02	0.62	0.16	0.18	0.00	0.00	0.03	0.00	0.07	0.01	0.00	0.18	0.03	0.25	0.49	0.48	0.19	0.13	0.89	0.02	0.00	0.62	0.54
12	16	12	0.02	0.54	0.12	0.21	0.00	0.00	0.07	0.00	0.08	0.01	0.00	0.12	0.03	0.20	0.51	0.49	0.17	0.13	0.89	0.02	0.00	0.54	0.45
12	16	13	0.01	0.44	0.07	0.28	0.00	0.00	0.10	0.00	0.07	0.00	0.00	0.07	0.02	0.15	0.53	0.51	0.21	0.13	0.90	0.04	0.01	0.44	0.34
12	16	14	0.02	0.40	0.04	0.36	0.00	0.00	0.11	0.00	0.07	0.01	0.00	0.04	0.03	0.11	0.55	0.53	0.23	0.14	0.88	0.07	0.01	0.40	0.30
12	16	15	0.03	0.45	0.06	0.42	0.00	0.00	0.16	0.00	0.09	0.02	0.00	0.01	0.04	0.08	0.57	0.55	0.25	0.16	0.84	0.09	0.01	0.45	0.35
12	16	16	0.06	0.56	0.12	0.51	0.00	0.00	0.24	0.00	0.12	0.05	0.00	0.00	0.07	0.06	0.58	0.57	0.29	0.31	0.77	0.12	0.02	0.56	0.47
12	16	17	0.07	0.62	0.20	0.66	0.00	0.00	0.28	0.00	0.13	0.06	0.00	0.01	0.08	0.07	0.59	0.57	0.34	0.47	0.74	0.18	0.04	0.63	0.54
12	16	18	0.03	0.60	0.25	0.77	0.02	0.00	0.26	0.00	0.09	0.02	0.00	0.00	0.04	0.05	0.59	0.58	0.37	0.53	0.71	0.20	0.06	0.60	0.52
12	16	19	0.05	0.56	0.16	0.77	0.12	0.05	0.27	0.00	0.11	0.04	0.00	0.00	0.06	0.04	0.60	0.59	0.45	0.51	0.65	0.21	0.07	0.56	0.48
12	16	20	0.08	0.56	0.07	0.76	0.25	0.02	0.23	0.00	0.14	0.07	0.00	0.00	0.09	0.04	0.63	0.62	0.55	0.54	0.58	0.21	0.09	0.56	0.48
12	16	21	0.11	0.55	0.02	0.75	0.34	0.02	0.20	0.00	0.17	0.10	0.00	0.00	0.12	0.04	0.68	0.67	0.64	0.60	0.53	0.22	0.11	0.55	0.47
12	16	22	0.18	0.57	0.00	0.71	0.44	0.02	0.13	0.00	0.24	0.17	0.00	0.00	0.19	0.03	0.71	0.70	0.64	0.69	0.52	0.25	0.15	0.57	0.49
12	16	23	0.22	0.61	0.00	0.67	0.48	0.06	0.10	0.00	0.28	0.21	0.02	0.00	0.23	0.04	0.75	0.74	0.67	0.75	0.53	0.26	0.19	0.61	0.53
12	16	24	0.22	0.61	0.00	0.65	0.52	0.09	0.09	0.01	0.28	0.21	0.06	0.00	0.23	0.06	0.81	0.80	0.70	0.77	0.56	0.27	0.24	0.61	0.53
12	17	1	0.20	0.59	0.02	0.61	0.51	0.13	0.08	0.03	0.26	0.19	0.08	0.04	0.21	0.11	0.85	0.84	0.73	0.76	0.57	0.26	0.27	0.59	0.51
12	17	2	0.20	0.61	0.08	0.56	0.52	0.17	0.07	0.05	0.26	0.19	0.09	0.09	0.21	0.16	0.87	0.87	0.76	0.74	0.53	0.24	0.31	0.61	0.54
12	17	3	0.21	0.64	0.17	0.59	0.44	0.24	0.06	0.07	0.26	0.20	0.10	0.12	0.22	0.20	0.90	0.90	0.74	0.75	0.51	0.21	0.33	0.64	0.57
12	17	4	0.23	0.64	0.22	0.52	0.25	0.34	0.05	0.10	0.28	0.22	0.12	0.18	0.24	0.25	0.92	0.92	0.75	0.76	0.56	0.19	0.34	0.64	0.57
12	17	5	0.24	0.64	0.28	0.52	0.10	0.42	0.03	0.13	0.29	0.23	0.14	0.22	0.25	0.29	0.93	0.92	0.84	0.77	0.62	0.17	0.33	0.64	0.57
12	17	6	0.25	0.63	0.38	0.52	0.02	0.56	0.01	0.19	0.31	0.24	0.16	0.23	0.26	0.30	0.93	0.93	0.85	0.77	0.65	0.17	0.33	0.63	0.56
12	17	7	0.27	0.64	0.48	0.53	0.00	0.54	0.01	0.27	0.33	0.27	0.18	0.22	0.28	0.29	0.93	0.93	0.87	0.77	0.66	0.18	0.31	0.64	0.56
12	17	8	0.28	0.62	0.55	0.54	0.00	0.60	0.00	0.31	0.34	0.27	0.15	0.20	0.29	0.28	0.92	0.92	0.87	0.78	0.66	0.19	0.30	0.62	0.54
12	17	9	0.23	0.60	0.65	0.52	0.00	0.53	0.00	0.24	0.29	0.22	0.14	0.14	0.24	0.22	0.90	0.90	0.88	0.75	0.65	0.15	0.26	0.60	0.52
12	17	10	0.18	0.62	0.73	0.43	0.00	0.37	0.00	0.20	0.23	0.17	0.11	0.07	0.19	0.14	0.86	0.86	0.87	0.71	0.68	0.08	0.25	0.62	0.54
12	17	11	0.24	0.67	0.65	0.43	0.00	0.25	0.00	0.24	0.30	0.23	0.11	0.02	0.25	0.08	0.83	0.83	0.71	0.72	0.71	0.08	0.27	0.67	0.61
12	17	12	0.33	0.72	0.58	0.46	0.00	0.18	0.00	0.31	0.38	0.32	0.13	0.01	0.34	0.08	0.79	0.78	0.62	0.77	0.73	0.11	0.30	0.72	0.67
12	17	13	0.42	0.77	0.47	0.50	0.00	0.15	0.00	0.39	0.47	0.42	0.15	0.03	0.43	0.10	0.71	0.70	0.60	0.84	0.76	0.10	0.32	0.77	0.72
12	17	14	0.46	0.79	0.36	0.53	0.00	0.11	0.00	0.50	0.51	0.45	0.18	0.03	0.47	0.10	0.63	0.61	0.57	0.82	0.80	0.12	0.37	0.79	0.74
12	17	15	0.40	0.78	0.36	0.56	0.00	0.11	0.00	0.58	0.45	0.39	0.22	0.03	0.41	0.10	0.54	0.52	0.53	0.78	0.83	0.16	0.41	0.78	0.74
12	17	16	0.33	0.81	0.40	0.60	0.00	0.16	0.00	0.57	0.38	0.32	0.23	0.06	0.34	0.13	0.48	0.47	0.57	0.79	0.88	0.15	0.40	0.81	0.77
12	17	17	0.33	0.83	0.35	0.69	0.01	0.19	0.00	0.57	0.39	0.33	0.24	0.14	0.34	0.21	0.47	0.45	0.62	0.80	0.94	0.15	0.45	0.83	0.79
12	17	18	0.35	0.80	0.27	0.71	0.04	0.26	0.01	0.58	0.40	0.34	0.19	0.23	0.35	0.30	0.53	0.51	0.65	0.79	0.95	0.14	0.56	0.80	0.76
12	17	19	0.33	0.75	0.24	0.70	0.07	0.39	0.04	0.56	0.38	0.33	0.14	0.27	0.34	0.34	0.49	0.48	0.64	0.77	0.94	0.15	0.56	0.75	0.70
12	17	20	0.35	0.72	0.24	0.71	0.05	0.49	0.06	0.55	0.40	0.34	0.09	0.29	0.36	0.36	0.55	0.53	0.66	0.75	0.94	0.16	0.52	0.72	0.66
12	17	21	0.33	0.77	0.22	0.70	0.01	0.61	0.09	0.56	0.38	0.32	0.09	0.28	0.34	0.35	0.59	0.57	0.70	0.74	0.95	0.17	0.44	0.77	0.72
12	17	22	0.34	0.82	0.20	0.73	0.01	0.68	0.14	0.56	0.39	0.33	0.09	0.25	0.35	0.33	0.63	0.62	0.67	0.72	0.94	0.17	0.40	0.82	0.78
12	17	23	0.38	0.84	0.18	0.74	0.04	0.72	0.16	0.58	0.42	0.37	0.10	0.20	0.38	0.28	0.62	0.60	0.66	0.73	0.95	0.18	0.36	0.84	0.80
12	17	24	0.46	0.85	0.19	0.74	0.06	0.83	0.19	0.59	0.50	0.45	0.09	0.18	0.46	0.25	0.61	0.60	0.67	0.72	0.92	0.21	0.35	0.85	0.81
12	18	1	0.46	0.84	0.20	0.76	0.09	0.78	0.23	0.56	0.51	0.46	0.08	0.17	0.47	0.24	0.59	0.58	0.67	0.71	0.86	0.22	0.31	0.84	0.81
12	18	2	0.43	0.87	0.19	0.78	0.13	0.76	0.30	0.52	0.47	0.42	0.08	0.14	0.43	0.21	0.59	0.58	0.71	0.69	0.83	0.23	0.27	0.87	0.83
12	18	3	0.41	0.85	0.20	0.80	0.14	0.75	0.35	0.47	0.46	0.41	0.05	0.10	0.42	0.17	0.61	0.59	0.70	0.69	0.86	0.21	0.24	0.85	0.82
12	18	4	0.41	0.80	0.20	0.82	0.18	0.62	0.38	0.40	0.45	0.40	0.03	0.06	0.41	0.13	0.63	0.61	0.66	0.69	0.87	0.19	0.23	0.80	0.76
12	18	5	0.39	0.78	0.17	0.82	0.35	0.50	0.41	0.32	0.44	0.38	0.02	0.03	0.40	0.10	0.62	0.61	0.64	0.70	0.88	0.18	0.22	0.78	0.74
12	18	6	0.32	0.88	0.09	0.84	0.56	0.32	0.45	0.24	0.37	0.31	0.03	0.03	0.33	0.10	0.64	0.62	0.60	0.69	0.88	0.18	0.20	0.88	0.85
12	18	7	0.31	0.90	0.04	0.85	0.68	0.55	0.45	0.24	0.36	0.30	0.05	0.03	0.32	0.10	0.65	0.63	0.63	0.66	0.87	0.18	0.18	0.90	0.87
12	18	8	0.34	0.91	0.03	0.85	0.79	0.59	0.46	0.27	0.39	0.33	0.07	0.03	0.35	0.10	0.65	0.64	0.65	0.63	0.88	0.20	0.17	0.91	0.89
12	18	9	0.35	0.88	0.03	0.84	0.83	0.68	0.45	0.25	0.40	0.34	0.07	0.01	0.36	0.08	0.66	0.65	0.71	0.56	0.90	0.20	0.13	0.88	0.85
12	18	10	0.34	0.80	0.01	0.85	0.80	0.88	0.55	0.28	0.39	0.33	0.08	0.00	0.35	0.05	0.68	0.67	0.73	0.54	0.92	0.18	0.09	0.80	0.76
12	18	11	0.36	0.72	0.02	0.82	0.76	0.94	0.60	0.39	0.40	0.35	0.09	0.00	0.36	0.04	0.75	0.74	0.74	0.62	0.91	0.19	0.09	0.72	0.67
12	18	12	0.42	0.67	0.15	0.76	0.68	0.83	0.67	0.43	0.47	0.41	0.09	0.00	0.43	0.05	0.81	0.80	0.75	0.66	0.87	0.24	0.11	0.67	0.61
12	18	13	0.49	0.64	0.31	0.80	0.57	0.73	0.66	0.52	0.53	0.48	0.11	0.00	0.49	0.06	0.84	0.83	0.76	0.70	0.82	0.33	0.13	0.64	0.57
12	18	14	0.56	0.63	0.43	0.77	0.43	0.63	0.69	0.62	0.60	0.56	0.12	0.00	0.57	0.05	0.85	0.85	0.78	0.71	0.76	0.41	0.14	0.63	0.56
12	18	15	0.56	0.68	0.49	0.71	0.22	0.77	0.70	0.67	0.60	0.56	0.15	0.00	0.57	0.06	0.87	0.87	0.82	0.75	0.69	0.46	0.14	0.68	0.62
12	18	16	0.51	0.79	0.65	0.65	0.09	0.78	0.70	0.58	0.55	0.50	0.18	0.00	0.52	0.06	0.88	0.87	0.82	0.76	0.64	0.45	0.16	0.79	0.74
12	18	17	0.48	0.87	0.78	0.59	0.01	0.76	0.68	0.46	0.52	0.47	0.22	0.04	0.49	0.11	0.88	0.87	0.80	0.71	0.63	0.46	0.22	0.87	0.84
12	18	18	0.53	0.89	0.81	0.60	0.00	0.62	0.63	0.35	0.57	0.52	0.24	0.13	0.54	0.21	0.89	0.88	0.79	0.67	0.63	0.47	0.25	0.89	0.86
12	18	19	0.43	0.89	0.78	0.54	0.00	0.72	0.50	0.29	0.47	0.42	0.25	0.16	0.43	0.23	0.86	0.85	0.81	0.69	0.60	0.41	0.23	0.89	0.86
12	18	20	0.35	0.90	0.75	0.52	0.01	0.79	0.29	0.28	0.40	0.34	0.30	0.16	0.36	0.23	0.87	0.87	0.84	0.70	0.59	0.40	0.24	0.90	0.87
12	18	21	0.37	0.87	0.72	0.50	0.03	0.69	0.20	0.30	0.41	0.36	0.38	0.26	0.37	0.33	0.88	0.88	0.84	0.74	0.59	0.38	0.28	0.87	0.85
12	18	22	0.45	0.85	0.72	0.48	0.12	0.68	0.13	0.35	0.50	0.45	0.46	0.35	0.46	0.41	0.85	0.85	0.88	0.81	0.58	0.33	0.30	0.85	0.82
12	18	23	0.49	0.83	0.78	0.48	0.18	0.40	0.06	0.33	0.53	0.48	0.59	0.36	0.50	0.42	0.84	0.83	0.92	0.90	0.58	0.27	0.31	0.83	0.79
12	18	24	0.47	0.80	0.68	0.48	0.19	0.17	0.02	0.37	0.51	0.46	0.66	0.39	0.48	0.46	0.81	0.80	0.91	0.91	0.59	0.22	0.31	0.80	0.76
12	19	1	0.47	0.79	0.43	0.49	0.16	0.05	0.00	0.37	0.51	0.46	0.67	0.43	0.48	0.49	0.81	0.80	0.89	0.87	0.53	0.17	0.31	0.79	0.75
12	19	2	0.47	0.77	0.34	0.48	0.11	0.11	0.00	0.31	0.51	0.46	0.68	0.45	0.47	0.50	0.78	0.78	0.87	0.85	0.51	0.13	0.33	0.77	0.72
12	19	3	0.45	0.69	0.36	0.49	0.04	0.13	0.00	0.32	0.49	0.44	0.60	0.53	0.46	0.58	0.76	0.75	0.83	0.83	0.53	0.10	0.34	0.69	0.63
12	19	4	0.47	0.63	0.43	0.50	0.00	0.07	0.00	0.40	0.52	0.46	0.55	0.62	0.48	0.67	0.77	0.76	0.78	0.83	0.58	0.09	0.32	0.63	0.56
12	19	5	0.45	0.64	0.47	0.51	0.00	0.09	0.00	0.50	0.49	0.44	0.47	0.63	0.46	0.68	0.78	0.77	0.76	0.83	0.65	0.05	0.33	0.64	0.57
12	19	6	0.49	0.64	0.37	0.51	0.00	0.05	0.01	0.55	0.54	0.49	0.39	0.52	0.50	0.57	0.82	0.81	0.74	0.81	0.71	0.02	0.34	0.64	0.56
12	19	7	0.44	0.65	0.36	0.53	0.00	0.05	0.02	0.56	0.49	0.44	0.37	0.43	0.45	0.48	0.84	0.84	0.75	0.79	0.79	0.01	0.43	0.65	0.57
12	19	8	0.41	0.62	0.44	0.53	0.00	0.08	0.02	0.54	0.45	0.40	0.34	0.45	0.41	0.51	0.85	0.84	0.79	0.77	0.87	0.01	0.40	0.62	0.54
12	19	9	0.33	0.59	0.46	0.54	0.00	0.05	0.02	0.49	0.38	0.32	0.28	0.43	0.34	0.50	0.85	0.85	0.81	0.71	0.89	0.00	0.27	0.59	0.51
12	19	10	0.21	0.58	0.42	0.55	0.00	0.02	0.01	0.41	0.26	0.20	0.24	0.26	0.22	0.33	0.84	0.83	0.79	0.65	0.91	0.00	0.36	0.58	0.51
12	19	11	0.21	0.67	0.50	0.53	0.00	0.00	0.00	0.32	0.27	0.20	0.20	0.06	0.22	0.13	0.81	0.80	0.81	0.60	0.94	0.00	0.44	0.67	0.61
12	19	12	0.21	0.81	0.66	0.53	0.00	0.00	0.00	0.24	0.27	0.21	0.15	0.04	0.22	0.11	0.80	0.79	0.82	0.56	0.97	0.00	0.48	0.81	0.76
12	19	13	0.20	0.88	0.86	0.56	0.00	0.00	0.00	0.23	0.25	0.19	0.11	0.01	0.21	0.08	0.80	0.79	0.80	0.54	0.98	0.00	0.43	0.88	0.85
12	19	14	0.22	0.84	0.91	0.56	0.00	0.02	0.00	0.27	0.28	0.21	0.08	0.00	0.23	0.06	0.81	0.80	0.78	0.52	0.98	0.00	0.39	0.84	0.81
12	19	15	0.25	0.84	0.87	0.59	0.00	0.00	0.00	0.33	0.31	0.25	0.03	0.00	0.26	0.05	0.84	0.83	0.78	0.54	0.98	0.00	0.35	0.84	0.82
12	19	16	0.30	0.93	0.78	0.69	0.00	0.02	0.00	0.35	0.36	0.30	0.03	0.00	0.31	0.05	0.87	0.86	0.77	0.63	0.98	0.00	0.40	0.93	0.91
12	19	17	0.35	0.96	0.76	0.78	0.00	0.03	0.00	0.35	0.40	0.35	0.06	0.00	0.36	0.07	0.87	0.86	0.76	0.76	0.98	0.00	0.46	0.96	0.95
12	19	18	0.42	0.98	0.82	0.83	0.00	0.04	0.00	0.33	0.47	0.42	0.04	0.02	0.43	0.09	0.84	0.83	0.77	0.80	0.97	0.00	0.48	0.98	0.97
12	19	19	0.47	0.93	0.88	0.87	0.01	0.06	0.00	0.35	0.51	0.46	0.00	0.04	0.48	0.11	0.80	0.79	0.80	0.82	0.95	0.01	0.46	0.93	0.91
12	19	20	0.43	0.90	0.92	0.90	0.11	0.04	0.00	0.38	0.47	0.42	0.00	0.04	0.43	0.11	0.77	0.77	0.85	0.82	0.91	0.04	0.41	0.90	0.87
12	19	21	0.42	0.86	0.91	0.90	0.30	0.11	0.00	0.39	0.47	0.41	0.00	0.04	0.43	0.11	0.77	0.77	0.90	0.83	0.87	0.05	0.34	0.86	0.83
12	19	22	0.46	0.83	0.90	0.93	0.48	0.17	0.00	0.41	0.51	0.46	0.02	0.06	0.47	0.13	0.83	0.82	0.91	0.85	0.86	0.06	0.25	0.83	0.79
12	19	23	0.47	0.79	0.91	0.93	0.59	0.25	0.00	0.47	0.51	0.46	0.04	0.09	0.48	0.16	0.90	0.89	0.90	0.85	0.84	0.10	0.18	0.79	0.75
12	19	24	0.46	0.83	0.88	0.90	0.64	0.36	0.01	0.51	0.50	0.45	0.06	0.12	0.47	0.20	0.94	0.94	0.89	0.89	0.83	0.13	0.15	0.83	0.79
12	20	1	0.51	0.85	0.85	0.88	0.65	0.47	0.01	0.52	0.55	0.50	0.10	0.15	0.51	0.23	0.94	0.94	0.88	0.93	0.82	0.18	0.13	0.85	0.82
12	20	2	0.47	0.93	0.88	0.86	0.65	0.47	0.02	0.54	0.51	0.46	0.16	0.13	0.48	0.21	0.94	0.94	0.89	0.94	0.84	0.19	0.15	0.93	0.91
12	20	3	0.45	0.94	0.92	0.86	0.55	0.52	0.02	0.54	0.49	0.44	0.14	0.14	0.46	0.22	0.94	0.93	0.90	0.94	0.83	0.22	0.17	0.94	0.93
12	20	4	0.49	0.94	0.90	0.82	0.28	0.49	0.04	0.52	0.53	0.49	0.11	0.18	0.50	0.26	0.91	0.91	0.91	0.93	0.79	0.29	0.20	0.94	0.92
12	20	5	0.49	0.93	0.89	0.78	0.14	0.53	0.04	0.47	0.53	0.49	0.05	0.24	0.50	0.31	0.78	0.77	0.92	0.93	0.70	0.33	0.22	0.93	0.92
12	20	6	0.51	0.94	0.88	0.73	0.14	0.55	0.04	0.47	0.55	0.51	0.03	0.26	0.52	0.33	0.72	0.71	0.94	0.95	0.62	0.35	0.24	0.94	0.93
12	20	7	0.55	0.92	0.85	0.63	0.20	0.56	0.06	0.50	0.59	0.54	0.03	0.26	0.55	0.33	0.71	0.70	0.93	0.94	0.58	0.38	0.28	0.92	0.90
12	20	8	0.58	0.87	0.85	0.62	0.28	0.47	0.05	0.54	0.62	0.58	0.04	0.23	0.59	0.31	0.70	0.68	0.93	0.94	0.60	0.41	0.30	0.87	0.84
12	20	9	0.66	0.81	0.88	0.58	0.34	0.13	0.04	0.53	0.68	0.65	0.05	0.21	0.66	0.29	0.75	0.74	0.95	0.93	0.59	0.41	0.28	0.81	0.78
12	20	10	0.79	0.82	0.90	0.45	0.22	0.04	0.00	0.55	0.81	0.78	0.07	0.18	0.79	0.25	0.76	0.75	0.92	0.92	0.61	0.40	0.31	0.82	0.78
12	20	11	0.81	0.84	0.94	0.40	0.22	0.01	0.00	0.62	0.83	0.81	0.14	0.15	0.82	0.22	0.77	0.76	0.82	0.94	0.65	0.48	0.39	0.84	0.81
12	20	12	0.76	0.88	0.97	0.35	0.30	0.06	0.06	0.70	0.78	0.76	0.29	0.14	0.76	0.21	0.81	0.80	0.85	0.94	0.68	0.64	0.46	0.88	0.85
12	20	13	0.76	0.87	0.98	0.36	0.41	0.19	0.24	0.79	0.78	0.76	0.44	0.18	0.77	0.25	0.82	0.81	0.82	0.95	0.69	0.73	0.51	0.87	0.84
12	20	14	0.73	0.81	0.97	0.38	0.33	0.24	0.52	0.81	0.76	0.73	0.49	0.20	0.74	0.27	0.78	0.77	0.83	0.97	0.67	0.74	0.53	0.81	0.77
12	20	15	0.76	0.77	0.99	0.35	0.18	0.43	0.75	0.78	0.78	0.75	0.52	0.18	0.76	0.25	0.74	0.73	0.89	0.97	0.62	0.76	0.59	0.77	0.73
12	20	16	0.82	0.83	0.98	0.31	0.14	0.78	0.81	0.74	0.84	0.82	0.58	0.20	0.83	0.27	0.72	0.70	0.91	0.97	0.59	0.87	0.64	0.83	0.79
12	20	17	0.85	0.83	0.97	0.35	0.26	0.72	0.88	0.77	0.87	0.85	0.60	0.23	0.86	0.30	0.70	0.69	0.93	0.96	0.60	0.86	0.70	0.83	0.80
12	20	18	0.70	0.84	0.95	0.45	0.32	0.59	0.94	0.72	0.73	0.70	0.59	0.38	0.71	0.45	0.72	0.71	0.93	0.93	0.63	0.83	0.76	0.84	0.81
12	20	19	0.46	0.86	0.96	0.45	0.23	0.64	0.96	0.61	0.50	0.45	0.63	0.49	0.47	0.54	0.73	0.72	0.91	0.71	0.66	0.76	0.79	0.86	0.83
12	20	20	0.46	0.82	0.97	0.49	0.17	0.59	0.96	0.53	0.50	0.45	0.70	0.55	0.47	0.60	0.72	0.71	0.95	0.40	0.70	0.66	0.82	0.82	0.79
12	20	21	0.48	0.78	0.95	0.50	0.21	0.88	0.96	0.52	0.52	0.47	0.74	0.64	0.49	0.68	0.72	0.71	0.91	0.20	0.73	0.54	0.86	0.78	0.73
12	20	22	0.68	0.76	0.93	0.54	0.24	0.81	0.97	0.70	0.70	0.67	0.69	0.73	0.68	0.76	0.70	0.69	0.90	0.42	0.76	0.55	0.88	0.76	0.71
12	20	23	0.86	0.74	0.90	0.57	0.31	0.63	0.97	0.84	0.88	0.85	0.55	0.78	0.86	0.80	0.71	0.70	0.94	0.74	0.73	0.57	0.88	0.74	0.69
12	20	24	0.72	0.78	0.85	0.57	0.41	0.86	0.95	0.74	0.75	0.72	0.50	0.75	0.73	0.78	0.71	0.70	0.91	0.55	0.65	0.51	0.84	0.78	0.74
12	21	1	0.59	0.83	0.80	0.62	0.51	0.99	0.93	0.75	0.63	0.59	0.50	0.68	0.60	0.72	0.69	0.68	0.88	0.45	0.57	0.50	0.78	0.83	0.79
12	21	2	0.51	0.84	0.72	0.63	0.57	0.99	0.91	0.77	0.55	0.50	0.46	0.60	0.51	0.65	0.65	0.64	0.86	0.54	0.59	0.62	0.73	0.84	0.80
12	21	3	0.51	0.84	0.70	0.63	0.61	1.00	0.90	0.62	0.55	0.50	0.54	0.53	0.51	0.58	0.62	0.60	0.89	0.60	0.63	0.62	0.66	0.84	0.80
12	21	4	0.41	0.83	0.66	0.60	0.65	1.00	0.89	0.49	0.45	0.40	0.71	0.45	0.41	0.51	0.58	0.57	0.87	0.57	0.58	0.66	0.62	0.83	0.80
12	21	5	0.39	0.81	0.54	0.59	0.71	0.99	0.85	0.44	0.44	0.38	0.83	0.30	0.40	0.37	0.52	0.51	0.82	0.44	0.60	0.69	0.67	0.81	0.77
12	21	6	0.38	0.81	0.43	0.59	0.80	0.93	0.82	0.35	0.43	0.37	0.83	0.30	0.39	0.37	0.42	0.40	0.76	0.34	0.60	0.77	0.61	0.81	0.77
12	21	7	0.41	0.80	0.31	0.60	0.83	0.53	0.79	0.26	0.46	0.41	0.78	0.29	0.42	0.36	0.37	0.35	0.76	0.29	0.61	0.83	0.34	0.80	0.75
12	21	8	0.35	0.78	0.27	0.60	0.75	0.18	0.78	0.16	0.40	0.34	0.75	0.25	0.36	0.32	0.35	0.33	0.73	0.31	0.67	0.87	0.28	0.78	0.74
12	21	9	0.39	0.78	0.24	0.54	0.65	0.13	0.76	0.02	0.43	0.38	0.65	0.30	0.39	0.36	0.32	0.30	0.63	0.34	0.67	0.84	0.22	0.78	0.73

Solar / Geothermal / Biomass / Small Hydro

Month	Day	Hour	BTM_Distrib	CAISO_Solar	SW_Solar_fo	IID_Solar_fo	Northern_Ca	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_Ca	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sola	New_Mexico_S	Geothermal	Biomass	Small Hydro
12	15	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	15	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	7	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.10	0.19	1.00	1.00	1.00
12	16	8	0.10	0.21	0.41	0.21	0.09	0.01	0.03	0.20	0.23	0.38	0.44	0.50	0.47	0.36	0.25	0.46	0.40	0.38	0.49	0.54	1.00	1.00	1.00
12	16	9	0.37	0.50	0.66	0.49	0.28	0.14	0.40	0.57	0.61	0.73	0.76	0.78	0.75	0.59	0.61	0.75	0.57	0.64	0.72	0.67	1.00	1.00	1.00
12	16	10	0.56	0.68	0.85	0.67	0.38	0.32	0.63	0.74	0.81	0.89	0.90	0.93	0.90	0.76	0.75	0.89	0.70	0.77	0.86	0.93	1.00	1.00	1.00
12	16	11	0.69	0.79	0.91	0.77	0.39	0.50	0.77	0.81	0.91	1.00	1.00	1.00	0.97	0.85	0.88	0.96	0.79	0.79	0.90	1.00	1.00	1.00	1.00
12	16	12	0.75	0.83	0.92	0.81	0.43	0.61	0.83	0.86	0.93	1.00	1.00	0.99	0.93	0.88	0.87	0.92	0.81	0.83	0.89	1.00	1.00	1.00	1.00
12	16	13	0.71	0.78	0.92	0.77	0.32	0.48	0.79	0.84	0.86	1.00	1.00	0.99	0.95	0.79	0.76	0.95	0.73	0.90	0.80	1.00	1.00	1.00	1.00
12	16	14	0.62	0.70	0.86	0.68	0.39	0.24	0.59	0.77	0.84	0.97	0.98	0.90	0.92	0.72	0.64	0.91	0.65	0.85	0.73	0.96	1.00	1.00	1.00
12	16	15	0.50	0.59	0.69	0.58	0.35	0.34	0.43	0.61	0.80	0.86	0.87	0.76	0.67	0.51	0.63	0.67	0.51	0.69	0.58	0.70	1.00	1.00	1.00
12	16	16	0.30	0.39	0.30	0.38	0.30	0.31	0.35	0.43	0.49	0.51	0.52	0.50	0.44	0.35	0.44	0.44	0.21	0.43	0.33	0.22	1.00	1.00	1.00
12	16	17	0.03	0.06	0.03	0.06	0.06	0.06	0.06	0.10	0.15	0.12	0.10	0.06	0.06	0.04	0.07	0.06	0.05	0.05	0.01	0.00	1.00	1.00	1.00
12	16	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	16	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	7	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.16	0.23	1.00	1.00	1.00
12	17	8	0.10	0.19	0.36	0.19	0.04	0.00	0.00	0.13	0.09	0.31	0.26	0.49	0.43	0.45	0.41	0.42	0.25	0.35	0.56	0.51	1.00	1.00	1.00
12	17	9	0.29	0.40	0.56	0.39	0.13	0.06	0.10	0.37	0.21	0.68	0.49	0.75	0.68	0.75	0.69	0.67	0.55	0.58	0.81	0.64	1.00	1.00	1.00
12	17	10	0.45	0.53	0.68	0.52	0.12	0.24	0.20	0.39	0.35	0.84	0.80	0.90	0.73	0.91	0.84	0.73	0.71	0.64	0.94	0.89	1.00	1.00	1.00
12	17	11	0.52	0.59	0.73	0.58	0.07	0.30	0.34	0.35	0.15	0.98	0.97	0.98	0.86	0.95	0.89	0.86	0.78	0.68	0.99	1.00	1.00	1.00	1.00
12	17	12	0.56	0.62	0.75	0.60	0.08	0.25	0.41	0.37	0.06	0.98	0.98	0.99	0.96	0.99	0.96	0.96	0.79	0.54	1.00	1.00	1.00	1.00	1.00
12	17	13	0.54	0.59	0.77	0.58	0.13	0.19	0.31	0.36	0.04	0.89	0.95	1.00	1.00	0.95	0.93	0.99	0.83	0.63	0.99	0.96	1.00	1.00	1.00
12	17	14	0.47	0.52	0.77	0.51	0.14	0.15	0.17	0.26	0.08	0.73	0.88	0.97	0.92	0.86	0.82	0.91	0.87	0.59	0.95	0.95	1.00	1.00	1.00
12	17	15	0.37	0.43	0.68	0.42	0.13	0.11	0.20	0.21	0.08	0.52	0.77	0.85	0.71	0.70	0.69	0.71	0.80	0.57	0.83	0.77	1.00	1.00	1.00
12	17	16	0.18	0.24	0.33	0.23	0.15	0.21	0.03	0.25	0.09	0.30	0.45	0.14	0.35	0.46	0.45	0.35	0.22	0.38	0.44	0.33	1.00	1.00	1.00
12	17	17	0.01	0.03	0.03	0.03	0.02	0.02	0.00	0.04	0.01	0.08	0.10	0.00	0.05	0.07	0.08	0.05	0.05	0.04	0.04	0.00	1.00	1.00	1.00
12	17	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	17	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	7	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.19	0.21	1.00	1.00	1.00
12	18	8	0.07	0.13	0.36	0.13	0.02	0.00	0.00	0.00	0.02	0.07	0.18	0.25	0.36	0.45	0.45	0.36	0.27	0.18	0.58	0.76	1.00	1.00	1.00
12	18	9	0.20	0.27	0.56	0.26	0.04	0.01	0.04	0.02	0.05	0.07	0.32	0.66	0.63	0.74	0.73	0.63	0.33	0.31	0.81	0.94	1.00	1.00	1.00
12	18	10	0.27	0.32	0.66	0.31	0.06	0.03	0.08	0.02	0.02	0.17	0.26	0.69	0.67	0.88	0.85	0.67	0.48	0.32	0.94	0.99	1.00	1.00	1.00
12	18	11	0.32	0.36	0.74	0.35	0.11	0.06	0.10	0.05	0.01	0.10	0.44	0.71	0.70	0.96	0.93	0.70	0.48	0.41	0.98	1.00	1.00	1.00	1.00
12	18	12	0.32	0.35	0.72	0.35	0.04	0.06	0.09	0.04	0.01	0.04	0.41	0.64	0.75	1.00	0.96	0.74	0.38	0.50	1.00	1.00	1.00	1.00	1.00
12	18	13	0.35	0.39	0.69	0.38	0.09	0.09	0.10	0.04	0.01	0.09	0.33	0.94	0.80	1.00	0.93	0.80	0.49	0.39	1.00	1.00	1.00	1.00	1.00
12	18	14	0.31	0.35	0.56	0.34	0.13	0.10	0.08	0.03	0.01	0.05	0.31	0.77	0.74	0.93	0.87	0.74	0.23	0.35	0.93	0.97	1.00	1.00	1.00
12	18	15	0.24	0.28	0.44	0.28	0.12	0.05	0.04	0.02	0.00	0.03	0.26	0.69	0.64	0.70	0.77	0.63	0.16	0.28	0.79	0.78	1.00	1.00	1.00
12	18	16	0.17	0.22	0.29	0.21	0.21	0.14	0.08	0.09	0.00	0.02	0.21	0.51	0.40	0.45	0.50	0.40	0.07	0.34	0.43	0.35	1.00	1.00	1.00
12	18	17	0.01	0.03	0.02	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.02	0.06	0.05	0.07	0.10	0.05	0.04	0.04	0.03	0.00	1.00	1.00	1.00
12	18	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	18	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	7	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.16	0.27	1.00	1.00	1.00
12	19	8	0.07	0.15	0.38	0.15	0.04	0.01	0.02	0.08	0.09	0.25	0.37	0.15	0.35	0.40	0.33	0.34	0.40	0.22	0.51	0.75	1.00	1.00	1.00
12	19	9	0.27	0.37	0.56	0.36	0.13	0.34	0.34	0.31	0.28	0.47	0.57	0.31	0.59	0.70	0.56	0.59	0.62	0.39	0.78	0.94	1.00	1.00	1.00
12	19	10	0.41	0.50	0.66	0.49	0.13	0.49	0.58	0.47	0.37	0.62	0.74	0.15	0.84	0.82	0.68	0.83	0.83	0.47	0.86	0.97	1.00	1.00	1.00
12	19	11	0.54	0.61	0.71	0.60	0.08	0.58	0.68	0.49	0.49	0.81	0.87	0.57	0.92	0.90	0.70	0.91	0.82	0.47	0.96	1.00	1.00	1.00	1.00
12	19	12	0.58	0.64	0.80	0.63	0.11	0.49	0.67	0.37	0.56	0.82	0.97	0.66	0.97	0.94	0.79	0.96	0.83	0.58	0.92	1.00	1.00	1.00	1.00
12	19	13	0.57	0.63	0.79	0.62	0.05	0.55	0.46	0.39	0.52	0.97	0.88	0.83	0.91	0.97	0.65	0.90	0.85	0.67	0.89	1.00	1.00	1.00	1.00
12	19	14	0.54	0.61	0.74	0.60	0.02	0.47	0.54	0.40	0.52	0.79	0.69	0.94	0.86	0.94	0.80	0.86	0.85	0.66	0.92	0.98	1.00	1.00	1.00
12	19	15	0.44	0.52	0.63	0.51	0.07	0.29	0.45	0.39	0.55	0.53	0.58	0.85	0.78	0.81	0.73	0.77	0.78	0.54	0.81	0.81	1.00	1.00	1.00
12	19	16	0.24	0.30	0.39	0.30	0.10	0.17	0.30	0.33	0.40	0.26	0.32	0.31	0.47	0.49	0.51	0.47	0.34	0.45	0.39	0.36	1.00	1.00	1.00
12	19	17	0.02	0.05	0.04	0.05	0.02	0.01	0.05	0.07	0.12	0.05	0.06	0.04	0.08	0.08	0.10	0.08	0.06	0.06	0.03	0.00	1.00	1.00	1.00
12	19	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	19	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	7	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.19	0.24	1.00	1.00	1.00
12	20	8	0.06	0.12	0.30	0.12	0.08	0.01	0.00	0.04	0.04	0.17	0.30	0.22	0.14	0.35	0.36	0.14	0.05	0.16	0.57	0.75	1.00	1.00	1.00
12	20	9	0.20	0.28	0.45	0.28	0.37	0.44	0.03	0.08	0.09	0.38	0.55	0.18	0.25	0.56	0.61	0.25	0.19	0.30	0.79	0.96	1.00	1.00	1.00
12	20	10	0.36	0.43	0.56	0.42	0.56	0.68	0.36	0.04	0.08	0.40	0.57	0.68	0.44	0.57	0.71	0.44	0.45	0.35	0.91	1.00	1.00	1.00	1.00
12	20	11	0.44	0.51	0.66	0.50	0.54	0.78	0.76	0.09	0.10	0.48	0.79	0.61	0.51	0.43	0.74	0.50	0.53	0.46	0.96	1.00	1.00	1.00	1.00
12	20	12	0.43	0.48	0.63	0.47	0.50	0.75	0.85	0.14	0.17	0.31	0.69	0.52	0.69	0.24	0.54	0.68	0.44	0.43	0.86	1.00	1.00	1.00	1.00
12	20	13	0.45	0.50	0.61	0.49	0.56	0.80	0.87	0.24	0.22	0.31	0.71	0.63	0.71	0.33	0.29	0.70	0.49	0.53	0.55	1.00	1.00	1.00	1.00
12	20	14	0.43	0.48	0.60	0.47	0.52	0.81	0.81	0.27	0.43	0.21	0.57	0.75	0.62	0.27	0.18	0.61	0.52	0.39	0.51	0.96	1.00	1.00	1.00
12	20	15	0.37	0.43	0.48	0.43	0.55	0.71	0.64	0.32	0.44	0.23	0.65	0.69	0.42	0.26	0.08	0.42	0.28	0.30	0.47	0.77	1.00	1.00	1.00
12	20	16	0.24	0.31	0.25	0.30	0.44	0.46	0.42	0.31	0.43	0.22	0.45	0.36	0.24	0.18	0.17	0.24	0.14	0.24	0.35	0.35	1.00	1.00	1.00
12	20	17	0.03	0.06	0.02	0.05	0.10	0.13	0.10	0.07	0.12	0.03	0.10	0.04	0.03	0.02	0.02	0.03	0.04	0.02	0.03	0.00	1.00	1.00	1.00
12	20	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	20	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	7	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.06	0.20	1.00	1.00	1.00
12	21	8	0.10	0.21	0.31	0.20	0.10	0.01	0.01	0.12	0.13	0.28	0.43	0.48	0.45	0.40	0.42	0.45	0.25	0.31	0.35	0.47	1.00	1.00	1.00
12	21	9	0.36	0.50	0.49	0.49	0.45	0.31	0.30	0.45	0.51	0.58	0.74	0.77	0.74	0.69	0.69	0.74	0.38	0.51	0.63	0.49	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx_	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_fc	IID_Solar_fc	Northern_C	Solano_Sola	Central_Vall	Westlands_S	Greater_Car	Tehachapi_S	Kramer_Inyo	Mountain_P	Southern_C	Riverside_Ea	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_S	Geothermal	Biomass	Small Hydro
12	21	10	0.57	0.78	0.19	0.50	0.49	0.08	0.73	0.02	0.60	0.56	0.64	0.41	0.57	0.47	0.25	0.23	0.55	0.45	0.74	0.88	0.19	0.78	0.74	0.57	0.69	0.57	0.68	0.59	0.61	0.55	0.66	0.69	0.73	0.91	0.94	0.88	0.81	0.84	0.88	0.25	0.62	0.80	0.61	1.00	1.00	1.00
12	21	11	0.75	0.82	0.17	0.47	0.24	0.08	0.72	0.06	0.77	0.75	0.65	0.54	0.75	0.59	0.19	0.17	0.53	0.62	0.78	0.91	0.19	0.82	0.78	0.74	0.84	0.61	0.83	0.68	0.76	0.77	0.80	0.88	1.00	1.00	1.00	0.95	0.89	0.95	0.94	0.21	0.66	0.86	0.67	1.00	1.00	1.00
12	21	12	0.74	0.81	0.17	0.46	0.10	0.17	0.74	0.12	0.77	0.74	0.67	0.53	0.75	0.58	0.13	0.11	0.50	0.65	0.86	0.91	0.26	0.81	0.76	0.80	0.89	0.63	0.87	0.68	0.82	0.82	0.70	0.94	1.00	1.00	1.00	1.00	0.95	0.96	0.99	0.19	0.73	0.89	0.72	1.00	1.00	1.00
12	21	13	0.63	0.74	0.12	0.44	0.04	0.18	0.74	0.17	0.66	0.62	0.69	0.56	0.64	0.61	0.08	0.06	0.41	0.77	0.91	0.92	0.41	0.74	0.69	0.80	0.89	0.63	0.87	0.71	0.81	0.86	0.75	0.88	1.00	1.00	1.00	1.00	0.95	0.88	1.00	0.13	0.76	0.92	0.66	1.00	1.00	1.00
12	21	14	0.56	0.75	0.05	0.43	0.01	0.15	0.78	0.12	0.60	0.56	0.69	0.70	0.57	0.73	0.05	0.03	0.37	0.82	0.91	0.94	0.46	0.75	0.69	0.75	0.84	0.62	0.83	0.70	0.65	0.80	0.74	0.91	1.00	1.00	1.00	0.95	0.91	0.90	0.94	0.20	0.76	0.85	0.60	1.00	1.00	1.00
12	21	15	0.55	0.69	0.00	0.41	0.00	0.13	0.77	0.05	0.59	0.54	0.66	0.80	0.56	0.83	0.04	0.02	0.37	0.80	0.86	0.93	0.49	0.69	0.62	0.62	0.72	0.58	0.71	0.56	0.61	0.64	0.57	0.81	0.92	0.89	0.90	0.85	0.83	0.82	0.84	0.20	0.73	0.70	0.43	1.00	1.00	1.00
12	21	16	0.55	0.64	0.00	0.40	0.00	0.13	0.76	0.02	0.59	0.55	0.68	0.73	0.56	0.77	0.05	0.04	0.39	0.76	0.85	0.91	0.52	0.64	0.57	0.35	0.45	0.32	0.44	0.36	0.44	0.44	0.40	0.46	0.64	0.55	0.51	0.52	0.53	0.53	0.52	0.12	0.52	0.39	0.19	1.00	1.00	1.00
12	21	17	0.54	0.69	0.03	0.51	0.01	0.14	0.77	0.04	0.58	0.53	0.67	0.48	0.54	0.52	0.07	0.06	0.43	0.77	0.86	0.92	0.65	0.69	0.63	0.04	0.09	0.04	0.09	0.07	0.12	0.11	0.09	0.14	0.19	0.13	0.07	0.09	0.10	0.12	0.09	0.06	0.08	0.03	0.00	1.00	1.00	1.00
12	21	18	0.49	0.73	0.13	0.56	0.03	0.07	0.78	0.09	0.53	0.48	0.65	0.46	0.50	0.52	0.10	0.08	0.42	0.67	0.83	0.92	0.66	0.73	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	19	0.45	0.65	0.16	0.56	0.01	0.04	0.72	0.12	0.50	0.45	0.62	0.42	0.46	0.48	0.15	0.13	0.41	0.60	0.78	0.85	0.67	0.65	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	20	0.46	0.79	0.15	0.54	0.00	0.01	0.59	0.14	0.50	0.45	0.60	0.38	0.46	0.44	0.22	0.20	0.36	0.58	0.69	0.81	0.67	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	21	0.45	0.94	0.15	0.52	0.00	0.01	0.48	0.13	0.49	0.44	0.61	0.40	0.46	0.47	0.27	0.25	0.31	0.48	0.56	0.79	0.70	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	22	0.41	0.85	0.15	0.50	0.00	0.00	0.29	0.09	0.46	0.41	0.62	0.41	0.42	0.47	0.30	0.28	0.30	0.38	0.46	0.75	0.69	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	23	0.33	0.71	0.16	0.48	0.00	0.01	0.14	0.05	0.38	0.32	0.61	0.40	0.34	0.46	0.32	0.30	0.37	0.31	0.42	0.72	0.60	0.71	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	21	24	0.25	0.59	0.17	0.42	0.00	0.01	0.05	0.04	0.31	0.25	0.58	0.40	0.26	0.46	0.34	0.32	0.46	0.25	0.38	0.68	0.58	0.59	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	1	0.20	0.68	0.18	0.37	0.00	0.00	0.01	0.03	0.26	0.19	0.63	0.42	0.21	0.48	0.36	0.34	0.53	0.21	0.44	0.65	0.60	0.68	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	2	0.15	0.83	0.19	0.33	0.00	0.01	0.00	0.01	0.21	0.14	0.59	0.51	0.16	0.57	0.40	0.38	0.58	0.16	0.59	0.65	0.61	0.83	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	3	0.14	0.81	0.19	0.28	0.00	0.02	0.00	0.01	0.20	0.13	0.62	0.45	0.15	0.51	0.43	0.41	0.61	0.13	0.75	0.65	0.54	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	4	0.11	0.75	0.18	0.21	0.00	0.01	0.00	0.01	0.17	0.10	0.69	0.43	0.12	0.48	0.46	0.44	0.61	0.10	0.85	0.67	0.47	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	5	0.08	0.61	0.16	0.14	0.00	0.01	0.00	0.01	0.14	0.07	0.65	0.54	0.09	0.59	0.49	0.47	0.62	0.08	0.91	0.68	0.42	0.61	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	6	0.10	0.62	0.14	0.10	0.00	0.01	0.00	0.01	0.16	0.09	0.64	0.67	0.11	0.71	0.53	0.51	0.63	0.07	0.93	0.66	0.35	0.62	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	7	0.09	0.54	0.11	0.07	0.00	0.00	0.00	0.01	0.15	0.08	0.65	0.72	0.10	0.76	0.59	0.58	0.64	0.05	0.96	0.63	0.24	0.54	0.46	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.15	0.14	1.00	1.00	1.00
12	22	8	0.04	0.49	0.10	0.06	0.00	0.01	0.00	0.00	0.10	0.03	0.73	0.67	0.05	0.71	0.63	0.61	0.67	0.03	0.98	0.56	0.16	0.49	0.39	0.10	0.21	0.37	0.20	0.02	0.01	0.02	0.16	0.20	0.33	0.43	0.48	0.44	0.40	0.43	0.43	0.34	0.36	0.56	0.46	1.00	1.00	1.00
12	22	9	0.00	0.34	0.10	0.06	0.00	0.01	0.00	0.00	0.05	0.00	0.70	0.59	0.00	0.64	0.62	0.60	0.68	0.02	0.98	0.42	0.11	0.33	0.25	0.37	0.52	0.59	0.51	0.17	0.34	0.45	0.47	0.61	0.71	0.77	0.79	0.75	0.73	0.73	0.74	0.43	0.62	0.81	0.60	1.00	1.00	1.00
12	22	10	0.00	0.61	0.09	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.65	0.55	0.00	0.60	0.68	0.67	0.64	0.01	0.98	0.28	0.10	0.61	0.52	0.57	0.69	0.64	0.68	0.19	0.45	0.69	0.59	0.81	0.93	0.92	0.93	0.91	0.91	0.87	0.90	0.30	0.67	0.94	0.82	1.00	1.00	1.00
12	22	11	0.00	0.69	0.09	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.63	0.54	0.00	0.59	0.72	0.71	0.59	0.00	0.98	0.19	0.08	0.69	0.62	0.68	0.78	0.71	0.76	0.09	0.55	0.73	0.67	0.91	1.00	1.00	1.00	0.99	1.00	0.94	0.98	0.23	0.72	1.00	0.76	1.00	1.00	1.00
12	22	12	0.00	0.71	0.07	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.53	0.50	0.00	0.55	0.76	0.75	0.58	0.00	0.97	0.15	0.07	0.71	0.65	0.73	0.81	0.71	0.79	0.08	0.56	0.77	0.68	0.95	1.00	1.00	1.00	1.00	1.00	0.97	1.00	0.26	0.80	1.00	0.75	1.00	1.00	1.00
12	22	13	0.01	0.59	0.04	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.40	0.46	0.02	0.51	0.79	0.79	0.61	0.00	0.95	0.11	0.05	0.59	0.52	0.73	0.80	0.69	0.78	0.13	0.42	0.71	0.76	0.97	1.00	1.00	1.00	1.00	0.98	0.98	1.00	0.37	0.76	0.99	0.89	1.00	1.00	1.00
12	22	14	0.01	0.53	0.09	0.06	0.00	0.00	0.00	0.00	0.06	0.00	0.31	0.46	0.02	0.52	0.81	0.80	0.65	0.00	0.90	0.12	0.04	0.52	0.44	0.67	0.75	0.61	0.74	0.19	0.42	0.49	0.69	0.90	1.00	1.00	1.00	0.96	0.93	0.96	0.95	0.43	0.80	0.93	0.76	1.00	1.00	1.00
12	22	15	0.00	0.51	0.14	0.08	0.00	0.00	0.00	0.00	0.04	0.00	0.25	0.42	0.00	0.48	0.79	0.78	0.69	0.00	0.85	0.12	0.02	0.51	0.42	0.57	0.66	0.53	0.65	0.25	0.53	0.53	0.51	0.68	0.92	0.92	0.90	0.80	0.83	0.85	0.80	0.28	0.68	0.83	0.68	1.00	1.00	1.00
12	22	16	0.00	0.54	0.18	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.29	0.37	0.00	0.43	0.81	0.80	0.78	0.00	0.81	0.12	0.02	0.54	0.45	0.31	0.40	0.34	0.39	0.22	0.27	0.41	0.34	0.34	0.52	0.61	0.51	0.55	0.48	0.53	0.55	0.24	0.48	0.42	0.29	1.00	1.00	1.00
12	22	17	0.00	0.64	0.14	0.14	0.00	0.00	0.00	0.00	0.02	0.00	0.31	0.33	0.00	0.40	0.81	0.81	0.82	0.00	0.79	0.15	0.01	0.64	0.56	0.03	0.07	0.03	0.07	0.03	0.03	0.09	0.07	0.10	0.14	0.15	0.07	0.10	0.09	0.12	0.10	0.01	0.07	0.03	0.00	1.00	1.00	1.00
12	22	18	0.00	0.76	0.12	0.16	0.00	0.00	0.01	0.00	0.02	0.00	0.33	0.33	0.00	0.40	0.80	0.79	0.81	0.00	0.77	0.15	0.01	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	19	0.00	0.83	0.14	0.17	0.00	0.01	0.06	0.00	0.04	0.00	0.37	0.33	0.00	0.39	0.78	0.77	0.81	0.00	0.76	0.14	0.01	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	20	0.00	0.87	0.24	0.16	0.00	0.03	0.10	0.00	0.03	0.00	0.32	0.34	0.00	0.40	0.75	0.74	0.80	0.00	0.74	0.11	0.01	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	21	0.00	0.89	0.28	0.14	0.00	0.05	0.11	0.00	0.02	0.00	0.36	0.35	0.00	0.41	0.68	0.67	0.77	0.00	0.71	0.09	0.00	0.89	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	22	0.00	0.95	0.30	0.10	0.00	0.10	0.10	0.00	0.01	0.00	0.44	0.38	0.00	0.45	0.63	0.61	0.76	0.00	0.70	0.09	0.00	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	23	0.00	0.97	0.35	0.09	0.00	0.09	0.09	0.00	0.01	0.00	0.46	0.38	0.00	0.44	0.56	0.55	0.75	0.00	0.68	0.12	0.00	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	22	24	0.00	0.98	0.37	0.08	0.00	0.09	0.09	0.00	0.01	0.00	0.43	0.35	0.00	0.41	0.54	0.52	0.75	0.00	0.67	0.14	0.00	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	1	0.00	0.99	0.36	0.09	0.00	0.10	0.10	0.00	0.01	0.00	0.42	0.34	0.00	0.41	0.52	0.50	0.76	0.00	0.65	0.18	0.01	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	2	0.00	0.96	0.35	0.11	0.00	0.09	0.12	0.00	0.02	0.00	0.38	0.35	0.00	0.41	0.51	0.50	0.76	0.00	0.65	0.24	0.01	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	3	0.00	0.97	0.30	0.12	0.00	0.09	0.15	0.00	0.02	0.00	0.38	0.36	0.00	0.42	0.54	0.52	0.74	0.00	0.65	0.29	0.02	0.97	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	4	0.00	0.99	0.25	0.13	0.00	0.13	0.18	0.00	0.03	0.00	0.35	0.35	0.00	0.42	0.55	0.53	0.72	0.00	0.64	0.34	0.03	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	5	0.00	0.99	0.20	0.14	0.00	0.18	0.25	0.00	0.04	0.00	0.38	0.33	0.00	0.40	0.55	0.54	0.72	0.00	0.64	0.39	0.06	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	6	0.00	0.99	0.18	0.15	0.00	0.18	0.35	0.00	0.06	0.00	0.38	0.32	0.01	0.39	0.54	0.52	0.71	0.00	0.64	0.41	0.08	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	7	0.00	0.96	0.17	0.15	0.00	0.16	0.36	0.00	0.05	0.00	0.39	0.33	0.01	0.40	0.56	0.54	0.69	0.00	0.65	0.44	0.11	0.96	0.96	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.18	1.00	1.00	1.00
12	23	8	0.00	0.95	0.17	0.14	0.00	0.11	0.32	0.00	0.05	0.00	0.42	0.32	0.00	0.39	0.59	0.57	0.66	0.00	0.66	0.43	0.11	0.95	0.94	0.04	0.09	0.29	0.09	0.02	0.03	0.03	0.06	0.11	0.22	0.25	0.04	0.09	0.25	0.20	0.09	0.11	0.18	0.49	0.70	1.00	1.00	1.00
12	23	9	0.00	0.97	0.17	0.12	0.00	0.08	0.27	0.00	0.05	0.00	0.43	0.32	0.01	0.39	0.62	0.60	0.63	0.00	0.75	0.45	0.07	0.97	0.96	0.30	0.42	0.55	0.41	0.24	0.33	0.32	0.27	0.42	0.52	0.58	0.64	0.58	0.68	0.64	0.58	0.44	0.47	0.79	0.87	1.00	1.00	1.00
12	23	10	0.00	0.97	0.17	0.07	0.00	0.04	0.25	0.00	0.06	0.00	0.44	0.29	0.01	0.35	0.63	0.62	0.58	0.00	0.87	0.44	0.04	0.97	0.96	0.56	0.69	0.65	0.67	0.42	0.66	0.51	0.57	0.76	0.87	0.93	0.91	0.84	0.83	0.82	0.84	0.47	0.63	0.94	1.00	1.00	1.00	1.00
12	23	11	0.00	0.96	0.17	0.03	0.00	0.02	0.24	0.00	0.05	0.00	0.43	0.28	0.00	0.35	0.65	0.64	0.54	0.00	0.91	0.45	0.05	0.96	0.95	0.69	0.79	0.66	0.78	0.47	0.80	0.60	0.61	0.86	1.00	0.99	0.97	0.95	0.94	0.92	0.94	0.38	0.70	0.99	1.00	1.00	1.00	1.00
12	23	12	0.00	0.95	0.15	0.03	0.00	0.01	0.23	0.00	0.02	0.00	0.49	0.30	0.00	0.37	0.68	0.67	0.52	0.00	0.93	0.50	0.06	0.95	0.94	0.77	0.85	0.69	0.84	0.57	0.85	0.78	0.68	0.89	1.00	1.00	1.00	0.98	0.98	0.93	0.97	0.39	0.77	1.00	1.00	1.00	1.00	1.00
12	23	13	0.00	0.94	0.13	0.03	0.00	0.01	0.24	0.00	0.04	0.00	0.54	0.29	0.00	0.36	0.70	0.69	0.52	0.00	0.93	0.53	0.06	0.94	0.92	0.79	0.87	0.72	0.86	0.48	0.85	0.84	0.77	0.91	1.00	1.00	1.00	1.00	0.93	0.99	0.99	0.54	0.79	0.97	1.00	1.00	1.00	1.00
12	23	14	0.00	0.92	0.12	0.04	0.00	0.02	0.28	0.00	0.05	0.00	0.57	0.28	0.01	0.35	0.71	0.70	0.55	0.00	0.94	0.53	0.07	0.92	0.90	0.75	0.83	0.79	0.82	0.51	0.82	0.82	0.73	0.86	0.99	1.00	0.98	0.94	0.95	0.92	0.93	0.67	0.77	0.91	0.98	1.00	1.00	1.00
12	23	15	0.01	0.87	0.13	0.06	0.00	0.02	0.35	0.00	0.07	0.00	0.59	0.26	0.02	0.33	0.74	0.73	0.60	0.00	0.94	0.51	0.08	0.87	0.85	0.62	0.72	0.65	0.70	0.32	0.68	0.71	0.70	0.78	0.90	0.90	0.87	0.83	0.82	0.80	0.82	0.58	0.72	0.79	0.83	1.00	1.00	1.00
12	23	16	0.02	0.86	0.14	0.07	0.00	0.01	0.53	0.00	0.08	0.02	0.59	0.26	0.03	0.33	0.76	0.75	0.67	0.00	0.96	0.52	0.08	0.86	0.83	0.35	0.44	0.42	0.43	0.25	0.39	0.46	0.48	0.49	0.58	0.62	0.53	0.52	0.50	0.46	0.51	0.43	0.53	0.45	0.39	1.00	1.00	1.00
12	23	17	0.03	0.76	0.16	0.09	0.00	0.02	0.72	0.00	0.09	0.03	0.65	0.27	0.04	0.34	0.80	0.79	0.73	0.00	0.98	0.57	0.09	0.76	0.70	0.04	0.09	0.04	0.09	0.05	0.09	0.13	0.13	0.17	0.17	0.16	0.08	0.10	0.10	0.10	0.09	0.07	0.09	0.04	0.00	1.00	1.00	1.00
12	23	18	0.04	0.63	0.15	0.11	0.00	0.02	0.78	0.00	0.10	0.03	0.66	0.33	0.05	0.39	0.83	0.82	0.79	0.01	0.96	0.59	0.09	0.63	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	19	0.04	0.54	0.15	0.13	0.00	0.03	0.72	0.00	0.10	0.03	0.67	0.41	0.05	0.47	0.79	0.78	0.83	0.01	0.98	0.59	0.09	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	20	0.04	0.56	0.37	0.17	0.00	0.03	0.61	0.00	0.10	0.04	0.55	0.43	0.05	0.49	0.75	0.74	0.85	0.01	0.99	0.58	0.08	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	21	0.05	0.46	0.76	0.23	0.00	0.04	0.46	0.00	0.10	0.04	0.52	0.42	0.06	0.48	0.74	0.73	0.87	0.01	1.00	0.53	0.08	0.46	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	22	0.05	0.46	0.84	0.24	0.00	0.05	0.41	0.00	0.10	0.04	0.56	0.39	0.06	0.45	0.77	0.76	0.86	0.01	0.99	0.46	0.07	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	23	0.04	0.36	0.83	0.25	0.00	0.06	0.35	0.00	0.10	0.03	0.53	0.36	0.05	0.42	0.80	0.79	0.88	0.00	0.98	0.42	0.07	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	23	24	0.03	0.35	0.77	0.26	0.00	0.08	0.34	0.00	0.08	0.02	0.53	0.38	0.04	0.44	0.84	0.83	0.88	0.01	0.96	0.33	0.06	0.35	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	1	0.00	0.46	0.73	0.29	0.00	0.14	0.39	0.00	0.05	0.00	0.52	0.36	0.01	0.42	0.85	0.84	0.88	0.02	0.94	0.28	0.06	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	2	0.00	0.44	0.66	0.31	0.00	0.11	0.48	0.00	0.02	0.00	0.51	0.40	0.00	0.46	0.82	0.82	0.88	0.04	0.91	0.26	0.06	0.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	3	0.00	0.39	0.67	0.36	0.00	0.06	0.59	0.00	0.00	0.00	0.44	0.35	0.00	0.41	0.78	0.77	0.91	0.02	0.88	0.27	0.07	0.39	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	4	0.00	0.36	0.78	0.43	0.02	0.05	0.67	0.00	0.00	0.00	0.36	0.33	0.00	0.40	0.75	0.74	0.92	0.00	0.86	0.28	0.08	0.36	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	5	0.00	0.35	0.82	0.41	0.14	0.07	0.73	0.00	0.01	0.00	0.36	0.30	0.00	0.37	0.76	0.75	0.91	0.01	0.84	0.25	0.10	0.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	6	0.00	0.38	0.83	0.40	0.30	0.09	0.80	0.00	0.02	0.00	0.30	0.26	0.00	0.33	0.82	0.81	0.89	0.03	0.83	0.20	0.11	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	7	0.00	0.49	0.81	0.43	0.24	0.13	0.85	0.04	0.03	0.00	0.21	0.31	0.00	0.38	0.84	0.83	0.90	0.06	0.81	0.15	0.07	0.49	0.39	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.12	0.21	1.00	1.00	1.00
12	24	8	0.04	0.50	0.90	0.45	0.26	0.07	0.88	0.12	0.09	0.03	0.10	0.29	0.05	0.36	0.83	0.82	0.76	0.16	0.80	0.08	0.05	0.50	0.40	0.10	0.21	0.37	0.20	0.09	0.00	0.00	0.15	0.16	0.34	0.42	0.46	0.43	0.44	0.41	0.43	0.25	0.39	0.56	0.73	1.00	1.00	1.00
12	24	9	0.07	0.46	0.93	0.52	0.11	0.09	0.89	0.18	0.13	0.06	0.02	0.26	0.08	0.33	0.81	0.80	0.73	0.32	0.82	0.01	0.02	0.46	0.37	0.34	0.47	0.56	0.46	0.42	0.13	0.05	0.44	0.53	0.70	0.74	0.72	0.73	0.73	0.71	0.72	0.41	0.64	0.79	0.94	1.00	1.00	1.00
12	24	10	0.14	0.42	0.95	0.58	0.01	0.14	0.88	0.27	0.20	0.13	0.00	0.18	0.15	0.26	0.80	0.79	0.86	0.43	0.83	0.00	0.01	0.42	0.32	0.54	0.66	0.72	0.65	0.64	0.41	0.17	0.48	0.78	0.91	0.89	0.89	0.88	0.87	0.87	0.87	0.51	0.71	0.90	1.00	1.00	1.00	1.00
12	24	11	0.25	0.42	0.97	0.59	0.00	0.29	0.88	0.37	0.31	0.24	0.00	0.10	0.26	0.18	0.82	0.81	0.88	0.55	0.85	0.00	0.00	0.42	0.32	0.67	0.77	0.77	0.75	0.73	0.55	0.23	0.56	0.88	1.00	1.00	0.99	0.96	0.96	0.96	0.96	0.50	0.77	0.98	1.00	1.00	1.00	1.00
12	24	12	0.33	0.45	0.99	0.68	0.01	0.60	0.89	0.51	0.39	0.33	0.00	0.03	0.34	0.09	0.86	0.85	0.94	0.63	0.87	0.00	0.00	0.45	0.35	0.73	0.82	0.73	0.80	0.59	0.79	0.47	0.55	0.84	1.00	1.00	1.00	0.99	0.94	0.99	0.98	0.63	0.62	0.98	1.00	1.00	1.00	1.00
12	24	13	0.36	0.48	0.98	0.74	0.07	0.61	0.90	0.60	0.41	0.35	0.00	0.00	0.37	0.04	0.87	0.86	0.95	0.70	0.84	0.00	0.00	0.48	0.39	0.75	0.83	0.76	0.81	0.62	0.84	0.51	0.57	0.85	1.00	1.00	1.00	1.00	0.91	0.99	1.00	0.67	0.67	0.98	1.00	1.00	1.00	1.00
12	24	14	0.34	0.59	0.93	0.77	0.25	0.93	0.89	0.59	0.39	0.33	0.00	0.00	0.34	0.03	0.87	0.87	0.95	0.73	0.74	0.07	0.02	0.59	0.51	0.72	0.80	0.63	0.79	0.73	0.79	0.75	0.49	0.72	0.94	0.97	0.97	0.95	0.94	0.87	0.94	0.36	0.67	0.88	0.99	1.00	1.00	1.00
12	24	15	0.39	0.69	0.90	0.79	0.35	0.98	0.89	0.56	0.44	0.39	0.00	0.00	0.40	0.03	0.85	0.84	0.92	0.75	0.70	0.15	0.07	0.69	0.63	0.61	0.71	0.53	0.69	0.75	0.69	0.71	0.43	0.73	0.72	0.83	0.85	0.85	0.83	0.81	0.84	0.31	0.59	0.77	0.72	1.00	1.00	1.00
12	24	16	0.43	0.84	0.90	0.71	0.39	0.91	0.89	0.56	0.47	0.42	0.00	0.00	0.43	0.06	0.82	0.81	0.87	0.80	0.73	0.22	0.13	0.84	0.80	0.35	0.45	0.37	0.44	0.53	0.45	0.48	0.26	0.50	0.47	0.57	0.54	0.56	0.48	0.52	0.56	0.31	0.46	0.44	0.33	1.00	1.00	1.00
12	24	17	0.48	0.93	0.92	0.75	0.48	0.97	0.88	0.68	0.53	0.48	0.00	0.01	0.49	0.08	0.78	0.77	0.87	0.85	0.72	0.21	0.27	0.93	0.91	0.05	0.10	0.05	0.10	0.13	0.14	0.15	0.07	0.18	0.14	0.15	0.10	0.12	0.10	0.13	0.11	0.07	0.09	0.05	0.00	1.00	1.00	1.00
12	24	18	0.54	0.96	0.92	0.73	0.60	1.00	0.90	0.79	0.58	0.53	0.00	0.00	0.54	0.06	0.75	0.74	0.86	0.87	0.67	0.28	0.42	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	19	0.58	0.99	0.88	0.71	0.76	0.99	0.90	0.84	0.61	0.57	0.00	0.00	0.58	0.06	0.72	0.71	0.88	0.72	0.57	0.34	0.52	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	20	0.55	0.99	0.85	0.66	0.84	1.00	0.89	0.79	0.58	0.54	0.00	0.01	0.55	0.07	0.70	0.69	0.89	0.57	0.55	0.40	0.61	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	21	0.57	0.99	0.86	0.63	0.85	0.99	0.88	0.82	0.61	0.57	0.00	0.03	0.58	0.11	0.64	0.63	0.87	0.60	0.66	0.51	0.71	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	22	0.58	0.94	0.88	0.67	0.82	0.97	0.88	0.80	0.62	0.58	0.09	0.01	0.59	0.06	0.55	0.53	0.85	0.60	0.68	0.68	0.76	0.94	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	23	0.51	0.85	0.84	0.65	0.85	1.00	0.88	0.68	0.55	0.51	0.47	0.08	0.52	0.15	0.48	0.46	0.83	0.57	0.74	0.79	0.80	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	24	24	0.44	0.80	0.78	0.64	0.93	1.00	0.86	0.52	0.48	0.43	0.63	0.25	0.44	0.32	0.39	0.37	0.82	0.43	0.71	0.90	0.86	0.80	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	1	0.32	0.84	0.75	0.63	0.95	1.00	0.87	0.30	0.37	0.31	0.66	0.46	0.33	0.52	0.33	0.30	0.73	0.43	0.64	0.94	0.90	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	2	0.43	0.90	0.74	0.62	0.91	0.98	0.87	0.15	0.47	0.42	0.52	0.53	0.44	0.59	0.25	0.23	0.66	0.41	0.63	0.92	0.88	0.90	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	3	0.49	0.89	0.70	0.65	0.89	0.69	0.89	0.19	0.54	0.49	0.45	0.31	0.50	0.36	0.20	0.18	0.61	0.43	0.66	0.88	0.78	0.89	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	4	0.37	0.83	0.60	0.65	0.90	0.39	0.91	0.20	0.41	0.36	0.53	0.34	0.37	0.41	0.21	0.19	0.56	0.46	0.67	0.88	0.67	0.83	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	5	0.36	0.81	0.46	0.64	0.87	0.35	0.95	0.25	0.41	0.35	0.71	0.33	0.37	0.40	0.25	0.23	0.44	0.56	0.64	0.85	0.51	0.81	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	6	0.31	0.74	0.34	0.61	0.77	0.55	0.91	0.26	0.36	0.30	0.65	0.28	0.32	0.35	0.33	0.31	0.37	0.52	0.66	0.86	0.38	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	7	0.39	0.67	0.24	0.57	0.59	0.61	0.82	0.24	0.44	0.39	0.67	0.30	0.40	0.37	0.39	0.37	0.43	0.47	0.68	0.83	0.31	0.67	0.60	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.10	0.19	1.00	1.00	1.00
12	25	8	0.40	0.62	0.19	0.53	0.30	0.78	0.69	0.23	0.45	0.39	0.61	0.29	0.41	0.35	0.43	0.41	0.50	0.39	0.65	0.82	0.45	0.62	0.55	0.10	0.21	0.42	0.20	0.10	0.01	0.02	0.13	0.20	0.31	0.43	0.46	0.43	0.41	0.38	0.43	0.31	0.38	0.50	0.75	1.00	1.00	1.00
12	25	9	0.33	0.56	0.17	0.48	0.05	0.44	0.53	0.18	0.38	0.32	0.56	0.32	0.33	0.39	0.49	0.47	0.48	0.32	0.59	0.73	0.74	0.56	0.48	0.37	0.52	0.68	0.51	0.46	0.41	0.40	0.39	0.59	0.67	0.76	0.76	0.74	0.69	0.65	0.74	0.53	0.67	0.72	0.95	1.00	1.00	1.00
12	25	10	0.32	0.54	0.14	0.38	0.00	0.24	0.37	0.16	0.37	0.31	0.50	0.38	0.33	0.45	0.53	0.52	0.49	0.26	0.53	0.67	0.88	0.54	0.46	0.59	0.72	0.77	0.71	0.72	0.67	0.58	0.54	0.81	0.88	0.92	0.92	0.88	0.86	0.77	0.87	0.47	0.77	0.84	1.00	1.00	1.00	1.00
12	25	11	0.40	0.57	0.11	0.23	0.00	0.16	0.25	0.17	0.45	0.39	0.46	0.45	0.41	0.51	0.55	0.53	0.59	0.22	0.51	0.62	0.91	0.57	0.49	0.73	0.83	0.87	0.81	0.79	0.80	0.53	0.68	0.91	1.00	1.00	1.00	0.95	0.97	0.90	0.95	0.55	0.84	0.98	1.00	1.00	1.00	1.00
12	25	12	0.39	0.62	0.08	0.17	0.00	0.08	0.21	0.16	0.44	0.38	0.54	0.46	0.39	0.52	0.57	0.55	0.63	0.22	0.48	0.61	0.95	0.62	0.54	0.81	0.90	0.83	0.88	0.80	0.85	0.70	0.77	0.96	1.00	1.00	1.00	0.99	1.00	0.95	0.98	0.49	0.86	1.00	0.96	1.00	1.00	1.00
12	25	13	0.30	0.58	0.06	0.12	0.00	0.05	0.21	0.13	0.35	0.29	0.60	0.47	0.31	0.53	0.59	0.58	0.66	0.21	0.40	0.62	0.89	0.58	0.50	0.81	0.89	0.81	0.87	0.69	0.80	0.73	0.85	0.97	1.00	1.00	1.00	1.00	1.00	0.91	1.00	0.54	0.86	0.98	0.91	1.00	1.00	1.00
12	25	14	0.21	0.55	0.05	0.10	0.00	0.04	0.26	0.07	0.26	0.20	0.66	0.47	0.21	0.53	0.64	0.63	0.67	0.19	0.31	0.61	0.88	0.55	0.47	0.77	0.86	0.77	0.84	0.53	0.79	0.79	0.87	0.93	1.00	1.00	1.00	0.96	0.91	0.90	0.96	0.56	0.81	0.93	0.66	1.00	1.00	1.00
12	25	15	0.12	0.52	0.08	0.13	0.00	0.03	0.29	0.03	0.18	0.11	0.70	0.43	0.13	0.49	0.66	0.65	0.70	0.13	0.22	0.59	0.83	0.52	0.42	0.63	0.73	0.67	0.72	0.41	0.62	0.70	0.78	0.83	0.92	0.92	0.89	0.85	0.77	0.81	0.84	0.55	0.76	0.83	0.48	1.00	1.00	1.00
12	25	16	0.03	0.46	0.13	0.14	0.00	0.03	0.31	0.00	0.08	0.02	0.74	0.37	0.03	0.44	0.74	0.73	0.73	0.10	0.18	0.58	0.60	0.46	0.37	0.37	0.46	0.41	0.45	0.30	0.28	0.51	0.55	0.59	0.57	0.62	0.52	0.55	0.53	0.56	0.55	0.37	0.50	0.47	0.18	1.00	1.00	1.00
12	25	17	0.00	0.52	0.13	0.26	0.00	0.03	0.37	0.00	0.02	0.00	0.69	0.34	0.00	0.40	0.80	0.79	0.75	0.06	0.17	0.57	0.48	0.52	0.43	0.05	0.11	0.05	0.10	0.06	0.07	0.17	0.16	0.22	0.17	0.16	0.09	0.11	0.12	0.14	0.11	0.07	0.09	0.04	0.00	1.00	1.00	1.00
12	25	18	0.00	0.60	0.14	0.40	0.00	0.05	0.45	0.00	0.01	0.00	0.60	0.34	0.00	0.40	0.81	0.81	0.77	0.03	0.14	0.57	0.31	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	19	0.00	0.71	0.11	0.53	0.06	0.05	0.52	0.00	0.01	0.00	0.52	0.32	0.00	0.39	0.90	0.89	0.77	0.01	0.17	0.53	0.20	0.71	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	20	0.00	0.69	0.16	0.55	0.25	0.03	0.54	0.00	0.00	0.00	0.46	0.33	0.00	0.40	0.95	0.95	0.82	0.00	0.25	0.49	0.20	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	21	0.00	0.79	0.45	0.52	0.44	0.05	0.56	0.00	0.00	0.00	0.37	0.33	0.00	0.40	0.95	0.95	0.86	0.00	0.33	0.45	0.20	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	22	0.00	0.75	0.61	0.46	0.52	0.02	0.60	0.01	0.00	0.00	0.30	0.30	0.00	0.36	0.93	0.93	0.89	0.01	0.41	0.36	0.16	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	23	0.00	0.72	0.64	0.41	0.57	0.01	0.64	0.06	0.02	0.00	0.21	0.28	0.00	0.35	0.92	0.92	0.91	0.04	0.47	0.27	0.09	0.72	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	25	24	0.00	0.65	0.66	0.38	0.60	0.02	0.68	0.12	0.05	0.00	0.15	0.26	0.01	0.33	0.91	0.91	0.89	0.13	0.58	0.23	0.06	0.65	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	1	0.03	0.56	0.66	0.37	0.53	0.02	0.72	0.17	0.09	0.02	0.10	0.20	0.04	0.27	0.89	0.89	0.79	0.20	0.58	0.18	0.02	0.56	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	2	0.09	0.49	0.71	0.35	0.45	0.05	0.76	0.24	0.14	0.08	0.10	0.17	0.10	0.25	0.85	0.84	0.70	0.24	0.56	0.05	0.00	0.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	3	0.20	0.50	0.75	0.38	0.40	0.09	0.78	0.35	0.26	0.19	0.06	0.14	0.21	0.21	0.83	0.82	0.63	0.31	0.58	0.00	0.00	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	4	0.32	0.41	0.77	0.40	0.37	0.16	0.80	0.43	0.37	0.31	0.03	0.10	0.32	0.18	0.84	0.84	0.58	0.41	0.60	0.00	0.00	0.40	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	5	0.43	0.47	0.75	0.35	0.41	0.12	0.80	0.51	0.48	0.43	0.02	0.08	0.44	0.15	0.86	0.85	0.49	0.49	0.62	0.00	0.00	0.47	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	6	0.48	0.46	0.70	0.30	0.35	0.11	0.80	0.58	0.52	0.47	0.03	0.05	0.48	0.12	0.86	0.85	0.48	0.57	0.63	0.00	0.00	0.46	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	7	0.52	0.39	0.69	0.29	0.20	0.16	0.82	0.64	0.56	0.51	0.04	0.08	0.53	0.16	0.83	0.83	0.60	0.61	0.66	0.02	0.00	0.38	0.28	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08	0.18	1.00	1.00	1.00
12	26	8	0.51	0.37	0.68	0.29	0.04	0.51	0.87	0.67	0.55	0.50	0.06	0.11	0.51	0.19	0.81	0.80	0.64	0.60	0.68	0.05	0.02	0.37	0.26	0.09	0.20	0.35	0.19	0.06	0.01	0.02	0.08	0.20	0.32	0.39	0.47	0.42	0.41	0.42	0.42	0.21	0.25	0.55	0.63	1.00	1.00	1.00
12	26	9	0.45	0.39	0.70	0.31	0.00	0.79	0.89	0.65	0.49	0.44	0.06	0.09	0.45	0.16	0.80	0.80	0.63	0.53	0.72	0.07	0.04	0.39	0.28	0.37	0.51	0.55	0.50	0.44	0.42	0.36	0.24	0.59	0.71	0.75	0.77	0.73	0.69	0.73	0.72	0.38	0.48	0.80	0.78	1.00	1.00	1.00
12	26	10	0.39	0.37	0.72	0.26	0.00	0.50	0.88	0.67	0.43	0.38	0.05	0.05	0.39	0.12	0.78	0.77	0.62	0.38	0.78	0.11	0.06	0.37	0.26	0.58	0.70	0.66	0.69	0.57	0.68	0.63	0.34	0.76	0.88	0.91	0.93	0.89	0.88	0.87	0.89	0.33	0.61	0.94	0.99	1.00	1.00	1.00
12	26	11	0.32	0.37	0.75	0.38	0.00	0.68	0.89	0.69	0.37	0.31	0.06	0.08	0.33	0.15	0.77	0.77	0.53	0.25	0.84	0.17	0.09	0.37	0.27	0.69	0.79	0.71	0.77	0.63	0.81	0.76	0.40	0.63	0.93	1.00	1.00	0.96	0.99	0.97	0.95	0.29	0.62	1.00	1.00	1.00	1.00	1.00
12	26	12	0.28	0.47	0.77	0.51	0.00	0.98	0.91	0.69	0.34	0.27	0.08	0.12	0.29	0.19	0.77	0.76	0.57	0.14	0.87	0.28	0.18	0.47	0.37	0.76	0.84	0.66	0.82	0.74	0.85	0.83	0.42	0.82	0.77	1.00	1.00	1.00	0.99	1.00	1.00	0.31	0.60	1.00	1.00	1.00	1.00	1.00
12	26	13	0.29	0.60	0.74	0.59	0.08	0.95	0.94	0.72	0.34	0.28	0.09	0.16	0.30	0.24	0.76	0.75	0.55	0.04	0.87	0.37	0.38	0.60	0.52	0.76	0.84	0.69	0.82	0.69	0.86	0.84	0.46	0.92	0.64	1.00	1.00	1.00	0.96	1.00	1.00	0.53	0.63	0.99	1.00	1.00	1.00	1.00
12	26	14	0.32	0.70	0.72	0.65	0.42	0.94	0.98	0.74	0.36	0.31	0.10	0.20	0.32	0.28	0.74	0.73	0.44	0.05	0.83	0.37	0.54	0.70	0.63	0.70	0.78	0.64	0.77	0.72	0.81	0.81	0.37	0.74	0.58	1.00	0.98	0.98	0.96	0.97	0.97	0.23	0.57	0.95	1.00	1.00	1.00	1.00
12	26	15	0.49	0.71	0.75	0.64	0.68	0.85	0.98	0.72	0.54	0.49	0.12	0.25	0.50	0.32	0.69	0.68	0.44	0.10	0.78	0.36	0.61	0.71	0.64	0.56	0.65	0.61	0.64	0.59	0.71	0.72	0.39	0.64	0.36	0.91	0.71	0.85	0.88	0.82	0.84	0.37	0.46	0.81	0.87	1.00	1.00	1.00
12	26	16	0.50	0.66	0.80	0.57	0.74	0.81	0.98	0.71	0.54	0.50	0.22	0.30	0.51	0.37	0.73	0.72	0.52	0.06	0.72	0.38	0.60	0.66	0.59	0.33	0.42	0.39	0.41	0.44	0.48	0.44	0.32	0.45	0.34	0.62	0.31	0.50	0.56	0.54	0.50	0.26	0.38	0.47	0.40	1.00	1.00	1.00
12	26	17	0.50	0.57	0.78	0.62	0.76	0.49	0.97	0.78	0.54	0.50	0.34	0.37	0.51	0.44	0.77	0.76	0.64	0.11	0.64	0.37	0.64	0.57	0.49	0.05	0.09	0.04	0.09	0.11	0.15	0.12	0.09	0.15	0.09	0.17	0.05	0.10	0.13	0.14	0.10	0.04	0.05	0.04	0.00	1.00	1.00	1.00
12	26	18	0.63	0.52	0.76	0.73	0.78	0.95	0.98	0.80	0.67	0.63	0.45	0.46	0.64	0.52	0.78	0.77	0.73	0.20	0.54	0.36	0.71	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	19	0.65	0.52	0.75	0.71	0.82	1.00	0.99	0.79	0.68	0.65	0.47	0.52	0.66	0.57	0.77	0.76	0.79	0.28	0.47	0.34	0.68	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	20	0.71	0.55	0.77	0.70	0.83	1.00	0.98	0.86	0.73	0.70	0.58	0.54	0.71	0.59	0.76	0.75	0.78	0.32	0.39	0.35	0.72	0.55	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	21	0.72	0.56	0.76	0.68	0.83	1.00	0.99	0.89	0.74	0.71	0.67	0.60	0.72	0.65	0.72	0.71	0.75	0.33	0.32	0.39	0.77	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	22	0.68	0.58	0.75	0.66	0.84	1.00	1.00	0.83	0.70	0.67	0.62	0.64	0.68	0.68	0.68	0.67	0.76	0.37	0.28	0.44	0.80	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	23	0.68	0.60	0.78	0.66	0.85	1.00	1.00	0.76	0.70	0.67	0.73	0.66	0.68	0.71	0.69	0.68	0.77	0.40	0.25	0.61	0.75	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	26	24	0.67	0.64	0.78	0.60	0.81	1.00	1.00	0.69	0.69	0.66	0.72	0.49	0.67	0.55	0.67	0.65	0.72	0.35	0.21	0.76	0.70	0.64	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Based on 2007 Weather

			Wind																							Solar																				Geothermal	Biomass	Small Hydro
Month	Day	Hour	CAISO_Wind	SW_Wind_f	Contracted_	Northern_Ca	Solano_Wind	Central_Vall	Greater_Car	Tehachapi_W	Kramer_Inyo	Southern_Ca	Riverside_Ea	Greater_Imp	Distributed_	Baja_Califor	Pacific_Nort	NW_Ext_Tx	Idaho_Wind	Utah_Wind	Wyoming_W	Southern_N	Arizona_Wir	New_Mexico	SW_Ext_Tx	BTM_Distrib	CAISO_Solar	SW_Solar_f	IID_Solar_f	Northern_C	Solano_Sola	Central_Vall	Westlands_	Greater_Car	Tehachapi_	Kramer_Inyo	Mountain_P	Southern_C	Riverside_E	Greater_Imp	Baja_Califor	Utah_Solar	Southern_N	Arizona_Sol	New_Mexico_	Geothermal	Biomass	Small Hydro
12	27	1	0.69	0.69	0.75	0.56	0.80	1.00	0.99	0.61	0.72	0.69	0.67	0.37	0.70	0.43	0.63	0.61	0.69	0.34	0.16	0.74	0.61	0.69	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	2	0.75	0.74	0.72	0.52	0.82	0.97	0.97	0.40	0.77	0.75	0.69	0.33	0.76	0.39	0.55	0.54	0.70	0.36	0.13	0.78	0.40	0.74	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	3	0.82	0.76	0.66	0.49	0.86	0.99	0.96	0.23	0.83	0.81	0.65	0.38	0.82	0.43	0.52	0.50	0.69	0.40	0.11	0.81	0.31	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	4	0.80	0.76	0.60	0.47	0.88	1.00	0.93	0.21	0.82	0.79	0.72	0.66	0.80	0.71	0.48	0.46	0.65	0.43	0.08	0.86	0.28	0.76	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	5	0.77	0.73	0.47	0.40	0.85	1.00	0.90	0.15	0.79	0.77	0.76	0.78	0.78	0.81	0.45	0.43	0.59	0.47	0.06	0.88	0.30	0.73	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	6	0.72	0.70	0.38	0.34	0.83	0.99	0.83	0.10	0.74	0.71	0.77	0.72	0.72	0.76	0.45	0.44	0.47	0.42	0.07	0.85	0.25	0.70	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	7	0.67	0.66	0.31	0.29	0.83	0.92	0.75	0.08	0.70	0.67	0.78	0.59	0.67	0.64	0.46	0.44	0.41	0.40	0.06	0.83	0.25	0.66	0.59	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.17	1.00	1.00	1.00
12	27	8	0.58	0.61	0.25	0.23	0.75	0.45	0.66	0.05	0.61	0.57	0.80	0.41	0.58	0.47	0.50	0.49	0.42	0.36	0.06	0.78	0.29	0.61	0.54	0.09	0.20	0.37	0.19	0.02	0.00	0.02	0.16	0.19	0.31	0.42	0.47	0.42	0.37	0.40	0.42	0.28	0.36	0.44	0.66	1.00	1.00	1.00
12	27	9	0.48	0.59	0.25	0.18	0.46	0.25	0.59	0.02	0.52	0.47	0.78	0.37	0.49	0.43	0.57	0.55	0.42	0.27	0.07	0.67	0.27	0.59	0.51	0.36	0.51	0.57	0.50	0.14	0.28	0.40	0.57	0.60	0.71	0.78	0.78	0.74	0.69	0.70	0.73	0.37	0.64	0.70	0.72	1.00	1.00	1.00
12	27	10	0.47	0.65	0.26	0.08	0.09	0.11	0.54	0.03	0.51	0.46	0.83	0.62	0.48	0.66	0.61	0.60	0.40	0.20	0.08	0.68	0.32	0.65	0.58	0.57	0.69	0.69	0.68	0.26	0.41	0.55	0.76	0.82	0.91	0.94	0.95	0.90	0.84	0.88	0.89	0.38	0.75	0.83	0.87	1.00	1.00	1.00
12	27	11	0.43	0.76	0.23	0.04	0.00	0.08	0.52	0.02	0.48	0.42	0.83	0.76	0.44	0.79	0.66	0.65	0.38	0.14	0.09	0.73	0.38	0.76	0.70	0.71	0.81	0.64	0.79	0.42	0.50	0.62	0.79	0.94	1.00	1.00	1.00	0.99	0.94	0.96	0.98	0.30	0.83	0.92	0.72	1.00	1.00	1.00
12	27	12	0.33	0.78	0.19	0.04	0.00	0.07	0.48	0.01	0.38	0.32	0.78	0.65	0.34	0.68	0.70	0.69	0.40	0.12	0.11	0.68	0.36	0.78	0.73	0.75	0.83	0.76	0.81	0.44	0.50	0.58	0.75	0.97	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.51	0.82	0.97	0.77	1.00	1.00	1.00
12	27	13	0.25	0.81	0.17	0.07	0.00	0.08	0.46	0.00	0.30	0.24	0.76	0.55	0.26	0.60	0.74	0.73	0.54	0.10	0.13	0.62	0.39	0.81	0.77	0.73	0.81	0.71	0.79	0.36	0.46	0.53	0.66	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.55	0.85	0.99	0.63	1.00	1.00	1.00
12	27	14	0.14	0.90	0.20	0.12	0.00	0.04	0.50	0.00	0.20	0.13	0.72	0.48	0.15	0.54	0.79	0.78	0.62	0.08	0.15	0.57	0.41	0.90	0.88	0.65	0.73	0.67	0.71	0.14	0.42	0.52	0.60	0.83	1.00	0.94	1.00	0.93	0.93	0.95	0.93	0.71	0.80	0.94	0.50	1.00	1.00	1.00
12	27	15	0.04	0.98	0.26	0.16	0.00	0.03	0.53	0.00	0.10	0.03	0.70	0.41	0.05	0.47	0.81	0.81	0.64	0.06	0.16	0.52	0.35	0.98	0.97	0.47	0.55	0.62	0.54	0.15	0.25	0.32	0.57	0.59	0.79	0.60	0.92	0.75	0.66	0.76	0.75	0.68	0.65	0.84	0.49	1.00	1.00	1.00
12	27	16	0.00	0.99	0.29	0.21	0.00	0.03	0.53	0.00	0.04	0.00	0.66	0.32	0.00	0.39	0.81	0.81	0.70	0.05	0.16	0.43	0.30	0.99	0.99	0.25	0.32	0.43	0.31	0.15	0.10	0.23	0.38	0.33	0.46	0.51	0.59	0.52	0.27	0.31	0.52	0.51	0.54	0.47	0.26	1.00	1.00	1.00
12	27	17	0.00	1.00	0.29	0.32	0.00	0.02	0.52	0.00	0.03	0.00	0.56	0.20	0.00	0.27	0.83	0.82	0.77	0.03	0.17	0.43	0.30	1.00	1.00	0.03	0.06	0.05	0.05	0.02	0.00	0.04	0.08	0.10	0.11	0.12	0.12	0.10	0.03	0.04	0.10	0.08	0.09	0.06	0.00	1.00	1.00	1.00
12	27	18	0.00	1.00	0.25	0.41	0.00	0.01	0.56	0.01	0.04	0.00	0.45	0.19	0.00	0.26	0.85	0.84	0.79	0.01	0.17	0.41	0.29	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	19	0.00	0.99	0.16	0.48	0.00	0.00	0.55	0.04	0.05	0.00	0.38	0.16	0.00	0.24	0.85	0.85	0.81	0.00	0.14	0.34	0.26	0.99	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	20	0.02	0.93	0.11	0.51	0.00	0.00	0.47	0.06	0.07	0.01	0.28	0.14	0.03	0.21	0.85	0.84	0.81	0.00	0.17	0.29	0.21	0.93	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	21	0.04	0.80	0.05	0.56	0.00	0.00	0.38	0.10	0.09	0.03	0.23	0.17	0.05	0.25	0.84	0.83	0.84	0.00	0.28	0.25	0.16	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	22	0.05	0.75	0.03	0.59	0.02	0.02	0.33	0.17	0.11	0.05	0.20	0.20	0.06	0.27	0.84	0.84	0.89	0.01	0.44	0.21	0.09	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	23	0.09	0.66	0.04	0.63	0.16	0.10	0.29	0.19	0.15	0.08	0.08	0.23	0.10	0.30	0.86	0.86	0.92	0.05	0.66	0.14	0.01	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	27	24	0.10	0.60	0.08	0.64	0.39	0.09	0.27	0.17	0.16	0.09	0.04	0.18	0.11	0.26	0.87	0.86	0.94	0.12	0.75	0.05	0.00	0.60	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	1	0.07	0.60	0.19	0.62	0.55	0.24	0.22	0.17	0.12	0.06	0.01	0.10	0.08	0.17	0.90	0.90	0.95	0.21	0.85	0.01	0.00	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	2	0.05	0.66	0.32	0.59	0.65	0.36	0.18	0.20	0.11	0.04	0.00	0.06	0.06	0.13	0.92	0.92	0.95	0.32	0.92	0.00	0.00	0.66	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	3	0.11	0.66	0.43	0.50	0.69	0.55	0.12	0.22	0.17	0.11	0.00	0.03	0.12	0.10	0.93	0.93	0.94	0.42	0.92	0.00	0.00	0.66	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	4	0.16	0.60	0.52	0.41	0.63	0.60	0.09	0.24	0.22	0.15	0.00	0.01	0.17	0.08	0.93	0.93	0.92	0.54	0.92	0.00	0.00	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	5	0.26	0.55	0.55	0.36	0.52	0.45	0.07	0.25	0.31	0.25	0.00	0.00	0.27	0.05	0.92	0.92	0.92	0.65	0.92	0.00	0.00	0.55	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	6	0.36	0.53	0.57	0.31	0.38	0.42	0.05	0.30	0.42	0.36	0.00	0.00	0.37	0.05	0.91	0.90	0.90	0.71	0.94	0.00	0.00	0.53	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	7	0.37	0.53	0.58	0.29	0.21	0.43	0.01	0.35	0.42	0.37	0.00	0.01	0.38	0.07	0.89	0.89	0.88	0.74	0.95	0.00	0.00	0.53	0.44	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.22	1.00	1.00	1.00
12	28	8	0.36	0.52	0.59	0.27	0.07	0.39	0.00	0.38	0.41	0.36	0.00	0.05	0.37	0.12	0.89	0.89	0.86	0.77	0.95	0.00	0.01	0.52	0.43	0.07	0.14	0.32	0.14	0.02	0.00	0.00	0.04	0.02	0.12	0.32	0.40	0.23	0.43	0.36	0.23	0.26	0.18	0.48	0.72	1.00	1.00	1.00
12	28	9	0.30	0.52	0.60	0.26	0.01	0.40	0.00	0.37	0.35	0.29	0.00	0.04	0.30	0.11	0.89	0.89	0.84	0.79	0.97	0.00	0.00	0.52	0.42	0.20	0.28	0.48	0.28	0.07	0.02	0.03	0.21	0.09	0.21	0.54	0.58	0.39	0.73	0.63	0.39	0.43	0.33	0.74	0.92	1.00	1.00	1.00
12	28	10	0.27	0.50	0.55	0.23	0.00	0.32	0.00	0.35	0.32	0.26	0.00	0.03	0.27	0.09	0.90	0.89	0.81	0.83	0.96	0.00	0.01	0.50	0.40	0.30	0.36	0.61	0.35	0.07	0.03	0.05	0.24	0.09	0.47	0.54	0.61	0.48	0.84	0.83	0.48	0.51	0.55	0.83	1.00	1.00	1.00	1.00
12	28	11	0.30	0.48	0.45	0.21	0.00	0.23	0.00	0.39	0.35	0.29	0.00	0.03	0.31	0.10	0.89	0.88	0.78	0.84	0.97	0.00	0.01	0.48	0.39	0.30	0.34	0.62	0.34	0.09	0.05	0.05	0.22	0.12	0.40	0.58	0.40	0.36	0.90	0.80	0.36	0.52	0.54	0.92	1.00	1.00	1.00	1.00
12	28	12	0.33	0.50	0.37	0.21	0.00	0.17	0.00	0.48	0.39	0.33	0.00	0.05	0.34	0.12	0.87	0.87	0.77	0.79	0.98	0.00	0.03	0.50	0.40	0.35	0.39	0.66	0.38	0.10	0.06	0.08	0.17	0.05	0.67	0.71	0.34	0.43	0.94	0.94	0.42	0.63	0.55	0.92	1.00	1.00	1.00	1.00
12	28	13	0.35	0.51	0.38	0.20	0.00	0.12	0.00	0.55	0.40	0.34	0.00	0.05	0.35	0.13	0.87	0.86	0.75	0.72	0.97	0.00	0.05	0.51	0.42	0.35	0.39	0.64	0.38	0.08	0.09	0.15	0.16	0.06	0.47	0.76	0.42	0.49	0.86	0.93	0.48	0.59	0.62	0.92	0.95	1.00	1.00	1.00
12	28	14	0.33	0.57	0.33	0.19	0.00	0.07	0.00	0.60	0.38	0.32	0.00	0.06	0.34	0.14	0.86	0.86	0.72	0.62	0.97	0.00	0.07	0.57	0.49	0.29	0.32	0.58	0.32	0.06	0.11	0.16	0.18	0.04	0.28	0.38	0.54	0.43	0.70	0.82	0.42	0.69	0.54	0.81	0.74	1.00	1.00	1.00
12	28	15	0.35	0.64	0.23	0.17	0.00	0.05	0.00	0.58	0.41	0.35	0.01	0.07	0.36	0.14	0.85	0.85	0.74	0.54	0.97	0.00	0.08	0.64	0.57	0.26	0.30	0.57	0.29	0.24	0.08	0.16	0.14	0.22	0.46	0.35	0.41	0.39	0.42	0.57	0.39	0.69	0.50	0.74	0.72	1.00	1.00	1.00
12	28	16	0.39	0.71	0.23	0.17	0.00	0.07	0.00	0.53	0.44	0.38	0.02	0.04	0.40	0.11	0.84	0.84	0.80	0.57	0.97	0.00	0.09	0.71	0.65	0.15	0.19	0.40	0.19	0.27	0.03	0.09	0.19	0.18	0.27	0.29	0.22	0.26	0.21	0.28	0.26	0.42	0.50	0.49	0.31	1.00	1.00	1.00
12	28	17	0.38	0.76	0.30	0.19	0.00	0.10	0.00	0.51	0.43	0.37	0.03	0.03	0.38	0.10	0.84	0.83	0.86	0.59	0.97	0.00	0.16	0.76	0.70	0.01	0.02	0.04	0.02	0.06	0.00	0.00	0.02	0.03	0.06	0.05	0.02	0.03	0.03	0.04	0.03	0.06	0.09	0.05	0.00	1.00	1.00	1.00
12	28	18	0.37	0.77	0.43	0.18	0.00	0.11	0.06	0.53	0.42	0.37	0.04	0.04	0.38	0.11	0.86	0.85	0.85	0.58	0.96	0.00	0.23	0.77	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	19	0.34	0.79	0.46	0.20	0.00	0.07	0.12	0.52	0.39	0.34	0.03	0.05	0.35	0.12	0.85	0.84	0.81	0.56	0.96	0.00	0.28	0.79	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	20	0.33	0.79	0.59	0.22	0.00	0.02	0.17	0.50	0.38	0.32	0.02	0.05	0.34	0.12	0.82	0.82	0.80	0.57	0.97	0.00	0.28	0.79	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	21	0.28	0.84	0.65	0.23	0.00	0.00	0.19	0.47	0.34	0.27	0.00	0.07	0.29	0.15	0.83	0.82	0.82	0.56	0.97	0.00	0.27	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	22	0.22	0.87	0.66	0.23	0.00	0.00	0.22	0.45	0.28	0.21	0.00	0.09	0.23	0.16	0.84	0.83	0.82	0.55	0.98	0.00	0.22	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	23	0.20	0.86	0.71	0.24	0.00	0.00	0.25	0.42	0.26	0.19	0.00	0.14	0.21	0.22	0.85	0.85	0.83	0.53	0.98	0.00	0.18	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	28	24	0.19	0.85	0.70	0.25	0.00	0.00	0.26	0.40	0.24	0.18	0.00	0.23	0.20	0.31	0.86	0.85	0.86	0.53	0.98	0.00	0.14	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	1	0.19	0.86	0.67	0.24	0.00	0.01	0.28	0.38	0.24	0.18	0.00	0.23	0.20	0.30	0.86	0.86	0.88	0.55	0.98	0.00	0.14	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	2	0.23	0.83	0.65	0.24	0.00	0.02	0.26	0.37	0.28	0.22	0.00	0.18	0.24	0.25	0.84	0.83	0.88	0.55	0.97	0.00	0.14	0.83	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	3	0.28	0.77	0.62	0.25	0.00	0.05	0.23	0.39	0.34	0.27	0.00	0.16	0.29	0.23	0.81	0.81	0.87	0.57	0.97	0.00	0.13	0.77	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	4	0.27	0.75	0.62	0.26	0.00	0.09	0.18	0.41	0.33	0.27	0.00	0.16	0.28	0.23	0.82	0.81	0.88	0.62	0.96	0.00	0.14	0.75	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	5	0.24	0.75	0.61	0.27	0.00	0.13	0.14	0.46	0.30	0.23	0.00	0.12	0.25	0.20	0.80	0.79	0.88	0.66	0.95	0.00	0.15	0.75	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	6	0.26	0.73	0.55	0.27	0.00	0.18	0.11	0.50	0.31	0.25	0.00	0.07	0.27	0.14	0.77	0.76	0.89	0.70	0.96	0.00	0.17	0.73	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	7	0.26	0.72	0.53	0.29	0.00	0.20	0.08	0.53	0.32	0.25	0.00	0.05	0.27	0.12	0.73	0.72	0.88	0.73	0.96	0.00	0.20	0.72	0.67	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.21	1.00	1.00	1.00
12	29	8	0.22	0.72	0.50	0.30	0.00	0.20	0.06	0.51	0.28	0.22	0.00	0.03	0.23	0.10	0.65	0.63	0.90	0.75	0.96	0.00	0.20	0.72	0.66	0.07	0.14	0.35	0.14	0.02	0.00	0.00	0.05	0.06	0.22	0.32	0.41	0.36	0.30	0.28	0.35	0.27	0.21	0.55	0.69	1.00	1.00	1.00
12	29	9	0.19	0.70	0.36	0.32	0.00	0.19	0.04	0.46	0.24	0.18	0.00	0.02	0.20	0.08	0.56	0.55	0.89	0.75	0.96	0.00	0.12	0.70	0.64	0.27	0.37	0.49	0.37	0.04	0.02	0.11	0.41	0.48	0.59	0.59	0.57	0.63	0.70	0.55	0.62	0.33	0.39	0.81	0.93	1.00	1.00	1.00
12	29	10	0.16	0.77	0.19	0.32	0.00	0.14	0.03	0.43	0.21	0.15	0.00	0.00	0.17	0.06	0.53	0.51	0.85	0.72	0.97	0.00	0.08	0.77	0.72	0.41	0.50	0.63	0.49	0.07	0.06	0.26	0.57	0.66	0.80	0.75	0.62	0.71	0.77	0.69	0.70	0.42	0.54	0.94	1.00	1.00	1.00	1.00
12	29	11	0.17	0.84	0.09	0.33	0.00	0.11	0.03	0.46	0.23	0.16	0.00	0.00	0.18	0.04	0.50	0.48	0.77	0.70	0.98	0.00	0.10	0.84	0.80	0.52	0.59	0.67	0.58	0.05	0.06	0.26	0.67	0.79	0.78	0.94	0.94	0.80	0.86	0.69	0.79	0.66	0.51	0.97	1.00	1.00	1.00	1.00
12	29	12	0.19	0.87	0.05	0.34	0.00	0.07	0.05	0.52	0.25	0.18	0.00	0.00	0.20	0.03	0.49	0.47	0.72	0.72	0.99	0.00	0.15	0.87	0.84	0.60	0.66	0.66	0.65	0.04	0.07	0.30	0.67	0.87	0.90	1.00	1.00	0.96	0.94	0.74	0.95	0.63	0.59	0.94	0.99	1.00	1.00	1.00
12	29	13	0.20	0.88	0.02	0.35	0.00	0.05	0.09	0.58	0.26	0.19	0.00	0.00	0.21	0.04	0.51	0.49	0.67	0.77	0.99	0.00	0.22	0.88	0.86	0.61	0.67	0.64	0.65	0.09	0.06	0.20	0.63	0.94	0.81	1.00	1.00	1.00	1.00	0.75	1.00	0.73	0.54	0.80	0.97	1.00	1.00	1.00
12	29	14	0.26	0.88	0.01	0.36	0.00	0.02	0.16	0.63	0.31	0.25	0.00	0.00	0.27	0.03	0.51	0.49	0.58	0.81	0.98	0.00	0.28	0.88	0.84	0.56	0.63	0.57	0.62	0.14	0.09	0.14	0.55	0.88	0.60	0.97	1.00	0.99	0.95	0.86	0.98	0.59	0.45	0.70	0.86	1.00	1.00	1.00
12	29	15	0.29	0.81	0.01	0.36	0.00	0.01	0.24	0.65	0.34	0.28	0.00	0.00	0.30	0.03	0.46	0.44	0.60	0.85	0.96	0.00	0.31	0.81	0.77	0.46	0.53	0.52	0.52	0.09	0.05	0.18	0.40	0.75	0.55	0.80	0.79	0.87	0.83	0.84	0.86	0.43	0.50	0.61	0.73	1.00	1.00	1.00
12	29	16	0.33	0.72	0.06	0.36	0.00	0.01	0.32	0.64	0.38	0.32	0.00	0.00	0.34	0.03	0.53	0.51	0.66	0.90	0.96	0.02	0.33	0.72	0.66	0.26	0.33	0.37	0.33	0.19	0.04	0.11	0.38	0.56	0.22	0.52	0.41	0.51	0.54	0.55	0.50	0.30	0.44	0.39	0.36	1.00	1.00	1.00
12	29	17	0.32	0.63	0.14	0.35	0.00	0.01	0.38	0.64	0.37	0.31	0.00	0.00	0.33	0.02	0.65	0.63	0.73	0.92	0.95	0.01	0.50	0.63	0.55	0.04	0.07	0.04	0.07	0.04	0.00	0.01	0.09	0.21	0.04	0.14	0.07	0.11	0.13	0.15	0.11	0.05	0.08	0.04	0.00	1.00	1.00	1.00
12	29	18	0.29	0.56	0.18	0.34	0.00	0.01	0.43	0.63	0.34	0.28	0.00	0.00	0.30	0.01	0.76	0.76	0.77	0.90	0.96	0.01	0.66	0.56	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	19	0.25	0.52	0.40	0.33	0.00	0.02	0.51	0.61	0.30	0.24	0.00	0.00	0.26	0.00	0.87	0.87	0.82	0.88	0.98	0.01	0.76	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	20	0.25	0.52	0.69	0.32	0.00	0.01	0.56	0.59	0.30	0.24	0.00	0.00	0.25	0.00	0.86	0.86	0.85	0.87	0.96	0.00	0.78	0.52	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	21	0.24	0.58	0.76	0.32	0.00	0.00	0.58	0.60	0.30	0.23	0.00	0.00	0.25	0.00	0.84	0.84	0.87	0.87	0.96	0.00	0.75	0.58	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	22	0.20	0.69	0.79	0.33	0.00	0.00	0.60	0.55	0.25	0.19	0.00	0.00	0.21	0.00	0.86	0.85	0.84	0.87	0.98	0.00	0.72	0.69	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	23	0.18	0.80	0.85	0.34	0.00	0.01	0.63	0.50	0.24	0.17	0.00	0.00	0.19	0.00	0.85	0.85	0.88	0.86	0.98	0.00	0.72	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	29	24	0.17	0.84	0.85	0.34	0.00	0.02	0.61	0.48	0.23	0.16	0.00	0.00	0.18	0.00	0.88	0.87	0.90	0.86	0.97	0.00	0.70	0.84	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	1	0.17	0.87	0.86	0.33	0.00	0.03	0.63	0.48	0.23	0.16	0.00	0.00	0.18	0.00	0.91	0.91	0.91	0.87	0.98	0.00	0.68	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	2	0.23	0.86	0.81	0.34	0.00	0.02	0.66	0.51	0.28	0.22	0.00	0.00	0.24	0.01	0.93	0.92	0.89	0.89	0.97	0.00	0.68	0.86	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	3	0.31	0.85	0.77	0.35	0.00	0.03	0.65	0.55	0.36	0.30	0.00	0.00	0.32	0.01	0.95	0.95	0.82	0.90	0.98	0.00	0.67	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	4	0.36	0.85	0.82	0.36	0.00	0.02	0.65	0.59	0.41	0.35	0.00	0.00	0.37	0.01	0.95	0.95	0.74	0.89	0.99	0.00	0.64	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	5	0.34	0.85	0.82	0.37	0.00	0.00	0.69	0.63	0.39	0.33	0.00	0.00	0.35	0.01	0.95	0.95	0.68	0.90	0.98	0.00	0.63	0.85	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	6	0.34	0.85	0.81	0.38	0.00	0.00	0.73	0.68	0.39	0.34	0.00	0.00	0.35	0.02	0.95	0.95	0.70	0.92	0.97	0.00	0.67	0.85	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	7	0.38	0.85	0.75	0.39	0.02	0.00	0.77	0.71	0.43	0.37	0.00	0.00	0.39	0.02	0.95	0.94	0.68	0.93	0.97	0.00	0.65	0.85	0.81	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.21	1.00	1.00	1.00
12	30	8	0.41	0.84	0.72	0.38	0.09	0.00	0.79	0.70	0.46	0.41	0.00	0.00	0.42	0.02	0.94	0.94	0.71	0.94	0.96	0.00	0.57	0.84	0.80	0.08	0.18	0.39	0.17	0.07	0.00	0.00	0.11	0.13	0.25	0.36	0.44	0.33	0.39	0.41	0.33	0.35	0.30	0.55	0.73	1.00	1.00	1.00
12	30	9	0.39	0.76	0.73	0.36	0.06	0.00	0.78	0.67	0.44	0.38	0.00	0.00	0.40	0.03	0.93	0.93	0.79	0.92	0.96	0.00	0.47	0.76	0.71	0.31	0.43	0.65	0.42	0.44	0.09	0.06	0.31	0.44	0.52	0.68	0.76	0.65	0.71	0.72	0.65	0.56	0.57	0.79	0.97	1.00	1.00	1.00
12	30	10	0.30	0.78	0.76	0.30	0.01	0.00	0.75	0.64	0.35	0.29	0.00	0.00	0.31	0.03	0.92	0.92	0.85	0.90	0.95	0.00	0.43	0.77	0.73	0.48	0.58	0.72	0.57	0.57	0.12	0.18	0.42	0.64	0.59	0.87	0.91	0.86	0.87	0.88	0.85	0.60	0.60	0.93	1.00	1.00	1.00	1.00
12	30	11	0.25	0.82	0.78	0.28	0.00	0.05	0.76	0.64	0.31	0.24	0.00	0.00	0.26	0.03	0.93	0.93	0.90	0.86	0.97	0.00	0.47	0.82	0.79	0.56	0.64	0.79	0.62	0.60	0.19	0.10	0.35	0.62	0.60	1.00	1.00	0.95	0.92	0.98	0.94	0.69	0.63	0.99	1.00	1.00	1.00	1.00
12	30	12	0.26	0.86	0.87	0.28	0.00	0.16	0.77	0.66	0.32	0.25	0.00	0.00	0.27	0.03	0.93	0.93	0.95	0.77	0.97	0.00	0.50	0.86	0.83	0.63	0.70	0.87	0.69	0.67	0.24	0.21	0.37	0.76	0.66	1.00	1.00	1.00	0.95	1.00	1.00	0.78	0.69	0.99	1.00	1.00	1.00	1.00
12	30	13	0.26	0.92	0.91	0.28	0.00	0.18	0.77	0.67	0.32	0.26	0.00	0.00	0.27	0.04	0.92	0.91	0.96	0.65	0.98	0.00	0.56	0.92	0.90	0.67	0.74	0.84	0.72	0.64	0.35	0.28	0.35	0.80	0.85	1.00	1.00	1.00	0.97	1.00	1.00	0.78	0.77	0.99	1.00	1.00	1.00	1.00
12	30	14	0.25	0.96	0.89	0.31	0.00	0.26	0.78	0.66	0.30	0.24	0.00	0.00	0.26	0.03	0.90	0.90	0.97	0.53	0.98	0.00	0.61	0.96	0.95	0.62	0.69	0.80	0.67	0.65	0.47	0.21	0.29	0.64	0.79	1.00	0.98	0.96	0.92	0.91	0.96	0.74	0.73	0.92	1.00	1.00	1.00	1.00
12	30	15	0.24	0.99	0.89	0.34	0.00	0.34	0.79	0.64	0.30	0.23	0.00	0.00	0.25	0.03	0.88	0.87	0.95	0.47	0.98	0.00	0.62	0.99	0.98	0.52	0.61	0.72	0.60	0.61	0.58	0.17	0.31	0.48	0.73	0.92	0.85	0.84	0.70	0.84	0.83	0.71	0.66	0.79	0.85	1.00	1.00	1.00
12	30	16	0.20	0.99	0.89	0.36	0.01	0.42	0.81	0.61	0.26	0.19	0.00	0.00	0.21	0.02	0.83	0.82	0.92	0.40	0.98	0.00	0.70	0.99	0.99	0.32	0.40	0.49	0.39	0.51	0.41	0.23	0.22	0.35	0.51	0.60	0.44	0.48	0.47	0.54	0.48	0.49	0.51	0.49	0.46	1.00	1.00	1.00
12	30	17	0.24	0.99	0.88	0.51	0.10	0.48	0.84	0.55	0.29	0.23	0.00	0.00	0.25	0.03	0.78	0.77	0.91	0.29	0.99	0.00	0.77	0.99	0.99	0.05	0.09	0.07	0.09	0.15	0.12	0.04	0.06	0.14	0.17	0.18	0.08	0.11	0.10	0.15	0.11	0.09	0.11	0.06	0.00	1.00	1.00	1.00
12	30	18	0.38	0.99	0.83	0.63	0.40	0.55	0.88	0.49	0.44	0.38	0.00	0.00	0.39	0.04	0.74	0.73	0.92	0.35	0.99	0.00	0.80	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	19	0.31	0.99	0.77	0.64	0.51	0.59	0.88	0.41	0.36	0.30	0.00	0.00	0.32	0.05	0.71	0.70	0.94	0.39	0.99	0.01	0.81	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	20	0.23	0.99	0.71	0.62	0.62	0.64	0.87	0.34	0.29	0.23	0.00	0.02	0.24	0.09	0.71	0.70	0.95	0.27	0.99	0.03	0.82	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	21	0.17	0.99	0.66	0.58	0.76	0.62	0.88	0.28	0.22	0.16	0.00	0.06	0.17	0.13	0.70	0.69	0.95	0.26	0.99	0.07	0.80	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	22	0.19	0.99	0.65	0.55	0.82	0.77	0.85	0.23	0.25	0.18	0.00	0.10	0.20	0.18	0.69	0.68	0.91	0.38	0.99	0.09	0.75	0.99	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	23	0.17	0.98	0.67	0.58	0.83	0.70	0.82	0.19	0.23	0.17	0.02	0.15	0.18	0.22	0.69	0.67	0.93	0.34	0.99	0.18	0.67	0.98	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	30	24	0.10	0.96	0.66	0.57	0.84	0.74	0.79	0.15	0.16	0.10	0.08	0.22	0.11	0.29	0.67	0.65	0.92	0.23	0.97	0.33	0.60	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	1	0.06	0.95	0.63	0.59	0.83	0.61	0.75	0.12	0.12	0.05	0.18	0.27	0.07	0.34	0.65	0.64	0.85	0.14	0.93	0.44	0.56	0.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	2	0.01	0.96	0.61	0.60	0.80	0.54	0.63	0.07	0.07	0.01	0.30	0.31	0.02	0.38	0.64	0.63	0.84	0.09	0.93	0.50	0.47	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	3	0.01	0.96	0.58	0.60	0.80	0.36	0.48	0.01	0.06	0.00	0.45	0.33	0.02	0.39	0.62	0.61	0.80	0.07	0.94	0.54	0.37	0.96	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	4	0.04	0.94	0.51	0.61	0.79	0.25	0.34	0.00	0.09	0.03	0.49	0.31	0.05	0.37	0.58	0.57	0.79	0.12	0.94	0.57	0.25	0.94	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	5	0.07	0.91	0.51	0.62	0.76	0.22	0.27	0.04	0.13	0.06	0.55	0.33	0.08	0.40	0.57	0.55	0.78	0.15	0.93	0.62	0.17	0.91	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	6	0.06	0.88	0.59	0.62	0.68	0.25	0.22	0.09	0.12	0.05	0.68	0.36	0.07	0.43	0.54	0.52	0.78	0.16	0.91	0.65	0.13	0.88	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	7	0.10	0.84	0.65	0.64	0.58	0.30	0.17	0.12	0.16	0.09	0.75	0.37	0.11	0.44	0.47	0.45	0.73	0.18	0.89	0.68	0.10	0.84	0.80	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.21	1.00	1.00	1.00
12	31	8	0.14	0.67	0.68	0.65	0.45	0.29	0.10	0.14	0.20	0.13	0.75	0.39	0.15	0.45	0.34	0.32	0.64	0.18	0.89	0.68	0.07	0.67	0.61	0.09	0.20	0.43	0.19	0.08	0.01	0.01	0.11	0.16	0.33	0.41	0.46	0.42	0.38	0.40	0.42	0.38	0.32	0.54	0.75	1.00	1.00	1.00
12	31	9	0.13	0.53	0.56	0.65	0.32	0.19	0.09	0.14	0.19	0.12	0.78	0.38	0.14	0.44	0.24	0.21	0.49	0.12	0.85	0.68	0.07	0.53	0.44	0.35	0.50	0.68	0.49	0.49	0.41	0.28	0.33	0.47	0.70	0.74	0.75	0.73	0.69	0.70	0.72	0.70	0.54	0.77	0.92	1.00	1.00	1.00
12	31	10	0.11	0.49	0.31	0.64	0.24	0.16	0.07	0.10	0.17	0.10	0.74	0.38	0.12	0.44	0.19	0.17	0.34	0.08	0.86	0.67	0.09	0.49	0.39	0.57	0.70	0.82	0.69	0.71	0.68	0.48	0.44	0.70	0.88	0.91	0.91	0.87	0.87	0.88	0.87	0.75	0.74	0.92	1.00	1.00	1.00	1.00
12	31	11	0.12	0.43	0.13	0.61	0.07	0.18	0.03	0.08	0.18	0.11	0.70	0.39	0.13	0.45	0.18	0.16	0.31	0.06	0.93	0.68	0.11	0.43	0.33	0.71	0.81	0.90	0.80	0.84	0.80	0.52	0.50	0.87	1.00	1.00	0.99	0.94	0.94	0.97	0.93	0.85	0.75	0.97	1.00	1.00	1.00	1.00
12	31	12	0.12	0.38	0.05	0.60	0.02	0.14	0.01	0.12	0.18	0.11	0.69	0.42	0.13	0.48	0.19	0.17	0.30	0.05	0.97	0.67	0.11	0.38	0.27	0.76	0.85	0.91	0.83	0.81	0.85	0.47	0.54	0.91	1.00	1.00	1.00	0.99	0.95	0.97	0.99	0.84	0.76	0.99	1.00	1.00	1.00	1.00
12	31	13	0.11	0.32	0.03	0.61	0.04	0.12	0.00	0.18	0.17	0.10	0.70	0.51	0.12	0.56	0.19	0.17	0.28	0.06	0.99	0.66	0.11	0.32	0.22	0.79	0.87	0.88	0.85	0.79	0.85	0.61	0.62	0.94	1.00	1.00	1.00	0.98	0.90	0.98	0.98	0.74	0.81	0.97	1.00	1.00	1.00	1.00
12	31	14	0.18	0.37	0.03	0.60	0.04	0.10	0.00	0.26	0.24	0.18	0.75	0.57	0.19	0.62	0.23	0.21	0.25	0.07	0.97	0.67	0.13	0.37	0.25	0.76	0.85	0.87	0.83	0.80	0.83	0.64	0.70	0.92	1.00	1.00	0.99	0.92	0.92	0.95	0.91	0.79	0.78	0.93	1.00	1.00	1.00	1.00
12	31	15	0.22	0.29	0.03	0.61	0.02	0.08	0.00	0.31	0.28	0.21	0.79	0.58	0.23	0.63	0.25	0.23	0.21	0.07	0.96	0.68	0.13	0.29	0.18	0.67	0.77	0.75	0.75	0.80	0.72	0.67	0.67	0.83	0.91	0.91	0.89	0.83	0.82	0.86	0.82	0.75	0.71	0.81	0.79	1.00	1.00	1.00
12	31	16	0.23	0.28	0.06	0.64	0.00	0.08	0.00	0.34	0.28	0.22	0.81	0.57	0.24	0.62	0.30	0.28	0.18	0.09	0.97	0.66	0.15	0.28	0.18	0.43	0.54	0.49	0.53	0.61	0.51	0.49	0.49	0.64	0.65	0.72	0.60	0.58	0.52	0.61	0.58	0.41	0.53	0.55	0.44	1.00	1.00	1.00
12	31	17	0.27	0.49	0.05	0.64	0.00	0.10	0.00	0.44	0.33	0.26	0.86	0.48	0.28	0.53	0.25	0.23	0.08	0.13	0.85	0.66	0.16	0.49	0.39	0.08	0.15	0.07	0.15	0.19	0.19	0.17	0.16	0.26	0.22	0.23	0.14	0.15	0.13	0.19	0.15	0.08	0.12	0.08	0.00	1.00	1.00	1.00
12	31	18	0.29	0.51	0.10	0.64	0.00	0.12	0.00	0.55	0.35	0.28	0.90	0.51	0.30	0.56	0.30	0.27	0.07	0.14	0.86	0.64	0.20	0.51	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	19	0.26	0.60	0.12	0.62	0.00	0.10	0.01	0.45	0.32	0.25	0.92	0.74	0.27	0.79	0.38	0.35	0.06	0.13	0.87	0.61	0.28	0.60	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	20	0.28	0.69	0.20	0.60	0.01	0.08	0.09	0.33	0.33	0.27	0.92	0.59	0.28	0.63	0.44	0.42	0.05	0.10	0.81	0.59	0.38	0.69	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	21	0.31	0.58	0.31	0.59	0.04	0.07	0.18	0.27	0.36	0.30	0.89	0.48	0.32	0.53	0.48	0.46	0.04	0.12	0.75	0.56	0.49	0.58	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	22	0.30	0.30	0.36	0.57	0.02	0.05	0.20	0.23	0.36	0.30	0.88	0.41	0.31	0.47	0.50	0.48	0.04	0.15	0.74	0.53	0.57	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	23	0.27	0.13	0.41	0.53	0.00	0.04	0.23	0.23	0.32	0.26	0.88	0.37	0.28	0.43	0.51	0.49	0.04	0.16	0.74	0.51	0.57	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
12	31	24	0.23	0.07	0.50	0.48	0.00	0.01	0.26	0.21	0.28	0.22	0.87	0.33	0.24	0.40	0.52	0.50	0.05	0.15	0.75	0.48	0.58	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
		CF	29%	41%	32%	29%	31%	31%	31%	34%	33%	28%	33%	30%	29%	35%	32%	30%	31%	32%	43%	28%	29%	41%	32%	23%	30%	32%	29%	30%	30%	30%	31%	32%	36%	36%	35%	35%	34%	34%	35%	30%	32%	33%	33%	100%	100%	100%

Average Hydro Dispatch (MW / Rated MW of Capacity)

2018	1	2	3	4	5	6	7	8	9	10	11	12
1	25%	22%	28%	43%	34%	34%	25%	29%	26%	22%	23%	30%
2	24%	18%	26%	41%	35%	32%	24%	26%	21%	18%	16%	27%
3	24%	17%	27%	40%	34%	32%	23%	25%	18%	17%	14%	22%
4	23%	17%	27%	42%	35%	34%	26%	26%	20%	25%	12%	16%
5	21%	19%	32%	44%	37%	37%	38%	32%	27%	30%	18%	21%
6	28%	29%	40%	44%	42%	42%	41%	32%	29%	33%	25%	27%
7	30%	33%	41%	41%	38%	42%	41%	26%	26%	31%	27%	27%
8	28%	33%	38%	36%	36%	36%	33%	23%	22%	24%	25%	23%
9	23%	26%	33%	32%	36%	35%	39%	20%	17%	19%	18%	14%
10	24%	20%	31%	31%	35%	38%	36%	24%	17%	17%	11%	12%
11	22%	19%	29%	31%	38%	34%	36%	27%	20%	17%	12%	11%
12	20%	19%	27%	30%	35%	33%	35%	29%	23%	17%	11%	10%
13	21%	19%	27%	29%	33%	33%	33%	30%	28%	17%	11%	10%
14	22%	21%	29%	30%	35%	32%	40%	35%	28%	18%	11%	10%
15	22%	23%	31%	30%	40%	33%	35%	38%	30%	19%	12%	11%
16	23%	28%	32%	32%	38%	33%	33%	37%	27%	22%	15%	17%
17	28%	35%	36%	35%	38%	34%	35%	36%	29%	26%	24%	26%
18	33%	37%	42%	41%	42%	37%	38%	39%	34%	33%	27%	27%
19	35%	39%	44%	45%	47%	43%	42%	41%	38%	33%	27%	28%
20	33%	42%	45%	45%	48%	45%	40%	41%	37%	31%	29%	29%
21	33%	40%	45%	46%	48%	45%	40%	40%	34%	31%	30%	29%
22	33%	37%	43%	46%	47%	44%	40%	40%	36%	35%	29%	30%
23	30%	35%	38%	45%	39%	42%	39%	39%	35%	31%	27%	30%
24	25%	33%	34%	43%	38%	41%	35%	34%	35%	23%	25%	22%
2022	1	2	3	4	5	6	7	8	9	10	11	12
1	27%	35%	43%	47%	48%	44%	55%	46%	31%	27%	24%	28%
2	24%	28%	39%	49%	48%	48%	56%	45%	34%	27%	25%	23%
3	23%	28%	35%	45%	43%	47%	54%	43%	29%	29%	19%	20%
4	24%	31%	35%	45%	44%	43%	45%	34%	28%	27%	20%	21%
5	27%	37%	38%	42%	46%	43%	38%	33%	32%	27%	25%	25%
6	29%	30%	39%	42%	42%	41%	38%	34%	30%	30%	26%	27%
7	33%	33%	39%	37%	34%	35%	36%	30%	24%	27%	22%	27%
8	27%	30%	32%	32%	33%	32%	29%	21%	18%	19%	15%	20%
9	21%	23%	29%	31%	31%	31%	21%	18%	15%	19%	14%	16%
10	20%	17%	26%	29%	30%	31%	17%	17%	16%	15%	11%	14%
11	19%	18%	26%	30%	30%	29%	17%	18%	15%	15%	12%	11%
12	19%	16%	25%	29%	29%	29%	18%	17%	16%	15%	11%	10%
13	19%	16%	25%	30%	30%	29%	18%	19%	16%	15%	11%	10%
14	19%	16%	25%	30%	31%	30%	19%	19%	20%	15%	12%	10%
15	20%	16%	26%	30%	31%	29%	22%	25%	23%	19%	11%	9%
16	23%	23%	27%	32%	32%	31%	25%	32%	25%	20%	13%	15%
17	28%	23%	29%	32%	32%	31%	34%	31%	27%	26%	19%	22%
18	34%	31%	36%	37%	36%	31%	34%	34%	34%	31%	24%	27%
19	33%	35%	40%	43%	43%	39%	39%	38%	38%	33%	27%	28%
20	35%	37%	42%	44%	47%	42%	41%	43%	37%	33%	26%	28%
21	33%	37%	42%	45%	48%	43%	46%	43%	38%	32%	27%	30%
22	33%	39%	46%	45%	47%	43%	45%	43%	38%	31%	29%	29%
23	32%	32%	42%	48%	46%	42%	48%	43%	39%	29%	27%	33%
24	32%	32%	39%	45%	46%	47%	52%	46%	37%	27%	25%	24%
2026	1	2	3	4	5	6	7	8	9	10	11	12
1	29%	37%	39%	49%	46%	48%	55%	45%	37%	27%	23%	31%
2	25%	29%	41%	48%	48%	48%	55%	44%	32%	27%	22%	22%
3	25%	25%	43%	44%	45%	45%	53%	41%	29%	27%	18%	20%
4	23%	25%	38%	44%	43%	43%	43%	34%	28%	27%	18%	16%
5	25%	36%	37%	42%	46%	42%	37%	34%	33%	27%	23%	24%
6	29%	30%	38%	41%	41%	38%	37%	33%	31%	30%	26%	28%
7	31%	31%	38%	34%	36%	32%	35%	30%	24%	28%	21%	27%
8	24%	24%	31%	32%	32%	31%	28%	22%	19%	19%	15%	20%
9	21%	20%	27%	31%	31%	31%	20%	19%	16%	19%	14%	15%
10	21%	22%	25%	31%	32%	31%	17%	17%	16%	15%	12%	11%
11	19%	20%	25%	30%	30%	30%	18%	17%	16%	15%	12%	10%
12	19%	18%	24%	30%	29%	29%	18%	17%	17%	15%	11%	10%
13	19%	18%	25%	30%	30%	30%	20%	19%	16%	16%	12%	10%
14	19%	16%	24%	30%	31%	31%	19%	19%	18%	15%	11%	10%
15	20%	20%	25%	31%	31%	29%	21%	22%	21%	17%	11%	11%

Average Hydro Dispatch (MW / Rated MW of Capacity)

16	21%	20%	26%	32%	33%	31%	29%	32%	23%	19%	14%	19%
17	24%	21%	29%	33%	34%	31%	32%	31%	26%	22%	18%	22%
18	32%	30%	35%	34%	33%	32%	32%	33%	29%	30%	24%	27%
19	33%	34%	40%	41%	42%	39%	38%	37%	38%	34%	27%	28%
20	36%	35%	41%	44%	46%	42%	43%	43%	39%	34%	28%	31%
21	34%	36%	43%	46%	48%	43%	45%	44%	41%	34%	29%	30%
22	36%	37%	44%	48%	47%	45%	47%	45%	38%	34%	30%	33%
23	35%	36%	41%	48%	48%	46%	50%	46%	39%	30%	31%	29%
24	33%	41%	43%	49%	47%	45%	54%	47%	33%	27%	26%	25%
2030	1	2	3	4	5	6	7	8	9	10	11	12
1	29%	27%	40%	49%	45%	49%	49%	45%	33%	27%	23%	24%
2	25%	26%	32%	45%	45%	48%	47%	39%	31%	25%	19%	22%
3	23%	23%	31%	45%	44%	46%	39%	38%	28%	19%	16%	19%
4	19%	19%	31%	44%	44%	46%	42%	35%	29%	19%	16%	17%
5	21%	21%	35%	44%	43%	43%	37%	35%	31%	27%	16%	24%
6	25%	33%	41%	42%	36%	40%	36%	29%	30%	31%	24%	26%
7	30%	33%	39%	36%	33%	33%	28%	27%	23%	23%	21%	22%
8	23%	29%	32%	32%	33%	31%	27%	25%	21%	21%	14%	15%
9	22%	22%	29%	31%	33%	30%	25%	21%	18%	21%	14%	14%
10	20%	22%	27%	28%	32%	26%	22%	16%	17%	18%	14%	13%
11	19%	21%	25%	29%	30%	26%	21%	16%	15%	15%	11%	13%
12	18%	16%	25%	27%	30%	26%	19%	16%	15%	15%	11%	12%
13	18%	16%	24%	27%	30%	26%	19%	18%	16%	15%	11%	9%
14	18%	16%	24%	27%	31%	26%	20%	19%	19%	15%	11%	9%
15	18%	16%	27%	27%	32%	26%	25%	27%	20%	15%	11%	9%
16	23%	24%	30%	29%	35%	28%	32%	28%	24%	23%	16%	22%
17	30%	30%	31%	33%	33%	33%	34%	32%	26%	28%	22%	26%
18	34%	34%	38%	41%	35%	34%	35%	33%	30%	33%	27%	27%
19	35%	35%	41%	44%	43%	41%	38%	40%	34%	34%	29%	28%
20	39%	37%	44%	46%	46%	44%	45%	42%	38%	36%	31%	33%
21	38%	43%	45%	48%	47%	46%	48%	46%	40%	37%	32%	35%
22	37%	43%	45%	49%	48%	47%	50%	47%	41%	35%	32%	31%
23	36%	41%	45%	50%	50%	47%	54%	50%	42%	31%	29%	30%
24	33%	38%	42%	48%	49%	48%	54%	48%	35%	25%	26%	28%

Average Battery Storage Charge/Discharge (MW / Rated MW of Capacity)

2018	1	2	3	4	5	6	7	8	9	10	11	12
1	11%	-20%	-19%	10%	-1%	-9%	-11%	-7%	-8%	-20%	5%	40%
2	11%	-20%	-16%	2%	-9%	-8%	-11%	-5%	-6%	-14%	-15%	19%
3	-10%	-20%	-16%	-3%	-11%	-10%	-9%	-1%	-12%	-11%	-12%	-6%
4	-9%	-20%	-16%	7%	-13%	-8%	-2%	-5%	-6%	-10%	-4%	-5%
5	-13%	-20%	-12%	21%	-10%	-11%	33%	13%	-4%	40%	-7%	-11%
6	25%	0%	15%	18%	-4%	-11%	18%	-1%	-3%	35%	1%	0%
7	1%	0%	22%	-16%	0%	-5%	-7%	-11%	-16%	3%	15%	35%
8	-10%	28%	-15%	-16%	-8%	-4%	-11%	-5%	-9%	-11%	-11%	-11%
9	-11%	-11%	-8%	-13%	2%	-4%	-11%	-10%	-13%	-11%	5%	-5%
10	-21%	-20%	-15%	-29%	-10%	-6%	-11%	-18%	-8%	0%	0%	-20%
11	-21%	-20%	-15%	-33%	-20%	-15%	-11%	-15%	-5%	-51%	0%	-20%
12	-40%	-20%	-21%	-35%	-3%	-18%	-11%	-15%	-5%	-46%	-12%	-47%
13	-37%	-20%	-13%	-33%	-3%	-19%	-11%	-16%	-11%	-12%	-29%	-66%
14	-42%	-20%	-19%	-32%	-11%	-16%	-11%	-4%	-8%	-20%	-13%	-57%
15	-35%	-20%	-17%	-22%	-14%	-11%	-11%	1%	-12%	-20%	-5%	-20%
16	-7%	-12%	-13%	-6%	-3%	-4%	-11%	-8%	-9%	-20%	-4%	-20%
17	-10%	-10%	-13%	-10%	-8%	-4%	-11%	-9%	-11%	-20%	-15%	18%
18	23%	3%	26%	-8%	-3%	-4%	-11%	-9%	-6%	-4%	-9%	37%
19	35%	54%	61%	8%	0%	-7%	-11%	5%	17%	27%	-1%	13%
20	28%	42%	30%	28%	20%	3%	-7%	8%	-9%	7%	0%	0%
21	19%	37%	10%	32%	28%	9%	6%	12%	2%	32%	9%	0%
22	29%	44%	26%	27%	17%	28%	9%	18%	10%	38%	9%	15%
23	15%	0%	-5%	16%	2%	43%	20%	37%	30%	43%	26%	47%
24	-11%	0%	-9%	19%	3%	35%	44%	9%	44%	-19%	8%	4%
2022	1	2	3	4	5	6	7	8	9	10	11	12
1	-2%	13%	22%	17%	18%	37%	13%	26%	44%	24%	24%	65%
2	7%	0%	1%	11%	19%	12%	26%	36%	41%	13%	43%	9%
3	-8%	3%	6%	30%	44%	10%	43%	3%	27%	44%	5%	-1%
4	-2%	57%	3%	28%	41%	27%	65%	46%	5%	2%	2%	-2%
5	-2%	4%	15%	40%	51%	32%	15%	26%	30%	14%	25%	50%
6	43%	50%	48%	35%	-9%	-8%	44%	28%	6%	43%	28%	5%
7	50%	33%	13%	2%	-12%	-11%	-16%	-16%	-17%	-2%	31%	53%
8	-4%	-14%	-8%	-20%	-15%	-12%	-14%	-28%	-36%	-14%	-19%	-14%
9	-40%	-12%	-19%	-23%	-48%	-14%	-64%	-49%	-55%	-22%	-6%	-12%
10	-34%	-28%	-52%	-49%	-57%	-18%	-61%	-44%	-73%	-54%	-23%	-19%
11	-49%	-67%	-48%	-52%	-60%	-51%	-60%	-54%	-46%	-52%	-24%	-64%
12	-49%	-52%	-59%	-53%	-49%	-47%	-60%	-50%	-33%	-56%	-60%	-63%
13	-48%	-52%	-60%	-52%	-42%	-47%	-43%	-19%	-31%	-67%	-57%	-63%
14	-51%	-52%	-60%	-52%	-29%	-38%	-32%	-10%	-13%	-27%	-61%	-63%
15	-37%	-52%	-40%	-49%	-12%	-55%	-3%	-9%	-3%	-36%	-36%	-35%
16	-21%	-3%	-10%	-26%	-13%	-16%	-3%	-12%	-5%	-4%	-10%	-3%
17	-1%	-7%	-2%	-3%	-2%	-10%	-7%	-14%	-7%	-19%	-9%	2%
18	29%	3%	-2%	-7%	-9%	-9%	-6%	-8%	-9%	-3%	-5%	-13%
19	26%	-1%	18%	17%	-10%	7%	-17%	3%	19%	-1%	-3%	33%
20	4%	20%	48%	23%	17%	9%	51%	13%	5%	30%	-4%	13%
21	7%	0%	29%	32%	12%	18%	0%	3%	6%	35%	5%	13%
22	25%	0%	17%	17%	7%	36%	6%	11%	10%	45%	5%	0%
23	28%	65%	15%	20%	22%	43%	13%	18%	10%	1%	18%	17%
24	23%	4%	16%	9%	33%	11%	5%	11%	31%	14%	33%	0%
2026	1	2	3	4	5	6	7	8	9	10	11	12
1	7%	17%	30%	14%	26%	25%	16%	32%	15%	34%	27%	28%
2	-2%	0%	17%	17%	16%	8%	28%	25%	15%	7%	35%	6%
3	31%	-7%	14%	15%	22%	17%	31%	28%	14%	17%	-2%	-7%
4	-10%	4%	20%	11%	21%	27%	31%	7%	12%	8%	0%	-6%
5	4%	0%	33%	28%	38%	15%	-12%	21%	5%	2%	-6%	0%
6	-1%	34%	35%	22%	0%	-5%	30%	49%	26%	16%	26%	38%
7	36%	32%	6%	-2%	-2%	-11%	-9%	-12%	-13%	-15%	43%	24%
8	7%	-3%	4%	-19%	-9%	-20%	-8%	-29%	-25%	-6%	-7%	-9%
9	-14%	-9%	-15%	-23%	-16%	-25%	-45%	-49%	-41%	-27%	1%	-3%
10	-40%	-8%	-44%	-32%	-75%	-18%	-60%	-49%	-65%	-57%	-26%	-52%
11	-53%	-58%	-44%	-48%	-60%	-42%	-60%	-60%	-51%	-56%	-52%	-60%
12	-56%	-59%	-56%	-59%	-60%	-59%	-60%	-57%	-35%	-56%	-60%	-60%
13	-56%	-59%	-57%	-58%	-56%	-24%	-33%	-44%	-33%	-56%	-60%	-60%
14	-50%	-59%	-56%	-53%	-25%	-34%	-35%	-12%	-27%	-33%	-58%	-60%
15	-37%	-51%	-31%	-46%	-13%	-34%	0%	-2%	-2%	-3%	-38%	-8%

Average Battery Storage Charge/Discharge (MW / Rated MW of Capacity)

16	-2%	-4%	-9%	-8%	-3%	-5%	-6%	-4%	-5%	-3%	-9%	-1%
17	-2%	-3%	2%	-1%	-4%	-26%	-4%	-4%	-6%	0%	-2%	-4%
18	21%	2%	0%	-4%	-10%	-23%	-1%	-6%	-1%	6%	1%	-6%
19	28%	65%	-1%	36%	4%	14%	-4%	-5%	36%	12%	8%	27%
20	13%	7%	5%	25%	4%	1%	32%	16%	5%	14%	2%	16%
21	11%	15%	16%	6%	26%	12%	33%	2%	9%	11%	4%	16%
22	34%	4%	7%	12%	16%	53%	17%	17%	20%	17%	5%	16%
23	10%	17%	17%	41%	15%	26%	2%	13%	21%	45%	22%	50%
24	29%	30%	7%	16%	34%	25%	16%	21%	32%	27%	38%	16%
2030	1	2	3	4	5	6	7	8	9	10	11	12
1	19%	-3%	3%	16%	18%	10%	4%	19%	9%	-1%	5%	1%
2	-1%	-5%	-2%	6%	1%	5%	0%	0%	1%	-6%	-2%	0%
3	-22%	-8%	-1%	0%	6%	3%	0%	-1%	-4%	-12%	1%	11%
4	-11%	-14%	-1%	0%	4%	4%	0%	1%	0%	-13%	0%	-7%
5	-5%	-12%	-3%	3%	-9%	8%	31%	-12%	-18%	-5%	14%	0%
6	-8%	0%	22%	22%	-9%	4%	-13%	-15%	-20%	-3%	-10%	-16%
7	23%	21%	9%	-1%	0%	3%	0%	-1%	-3%	-3%	20%	42%
8	-5%	0%	11%	25%	-2%	44%	0%	7%	-3%	1%	-6%	-20%
9	-9%	53%	-21%	-50%	-17%	-57%	-1%	-42%	-30%	-11%	-11%	18%
10	-65%	-72%	-45%	-53%	-54%	-49%	-44%	-60%	-61%	-60%	-28%	-71%
11	-61%	-61%	-47%	-55%	-58%	-51%	-60%	-60%	-60%	-60%	-34%	-60%
12	-63%	-66%	-57%	-54%	-59%	-53%	-60%	-61%	-56%	-63%	-61%	-60%
13	-61%	-61%	-61%	-58%	-54%	-57%	-60%	-42%	-52%	-60%	-64%	-62%
14	-48%	-60%	-39%	-45%	-31%	-41%	-39%	-16%	-10%	-42%	-55%	-60%
15	-38%	-48%	-24%	-42%	-13%	-41%	0%	-6%	-5%	7%	-48%	-52%
16	-5%	8%	-3%	-26%	-7%	-25%	1%	1%	0%	19%	4%	9%
17	15%	6%	2%	16%	-5%	20%	-3%	3%	-1%	0%	2%	55%
18	49%	28%	16%	6%	3%	-4%	0%	0%	0%	32%	11%	34%
19	42%	55%	35%	28%	34%	16%	28%	13%	51%	54%	69%	75%
20	36%	74%	24%	54%	22%	28%	37%	61%	45%	37%	17%	20%
21	46%	20%	40%	21%	43%	19%	20%	50%	35%	39%	48%	20%
22	10%	20%	17%	25%	14%	23%	17%	24%	53%	50%	17%	7%
23	36%	8%	17%	19%	49%	16%	23%	17%	21%	2%	9%	0%
24	17%	4%	5%	17%	11%	54%	20%	17%	8%	-8%	0%	0%

Average Pumped Storage Charge/Discharge (MW / Rated MW of Capacity)

2018	1	2	3	4	5	6	7	8	9	10	11	12
1	9%	0%	-2%	4%	1%	1%	0%	0%	0%	0%	5%	16%
2	11%	-4%	-4%	5%	0%	-3%	0%	-1%	-1%	-4%	4%	4%
3	15%	-5%	-3%	13%	-1%	-3%	0%	-1%	-3%	-5%	-3%	0%
4	5%	-5%	-3%	8%	0%	-2%	0%	-1%	0%	0%	-9%	10%
5	12%	-3%	1%	11%	-5%	-2%	0%	1%	4%	26%	-6%	0%
6	10%	0%	6%	11%	1%	5%	3%	3%	20%	20%	5%	0%
7	15%	0%	3%	7%	1%	5%	7%	4%	-3%	7%	12%	25%
8	3%	0%	2%	-6%	-3%	-3%	-5%	-4%	-14%	-12%	7%	-9%
9	-3%	-18%	-11%	-15%	-2%	2%	-1%	-12%	-13%	-19%	-4%	-19%
10	-3%	-17%	-10%	-25%	-4%	-1%	-2%	-12%	-19%	-17%	-13%	-17%
11	-30%	-17%	-12%	-33%	-6%	-11%	-1%	-9%	-15%	-20%	-16%	-16%
12	-48%	-15%	-17%	-31%	-7%	-11%	-3%	-7%	-5%	-20%	-20%	-18%
13	-47%	-15%	-14%	-18%	-8%	-13%	-6%	-8%	-7%	-16%	-19%	-20%
14	-44%	-14%	-15%	-18%	-5%	-10%	3%	-1%	-9%	-17%	-18%	-20%
15	-34%	-14%	-15%	-13%	-7%	-16%	-4%	-2%	-1%	-18%	-14%	-14%
16	-5%	-12%	-13%	-12%	-7%	-15%	-9%	0%	-7%	-14%	-6%	-17%
17	3%	11%	2%	-10%	-2%	-13%	-9%	-1%	-9%	-7%	2%	6%
18	10%	42%	4%	4%	0%	-6%	-7%	1%	-2%	16%	9%	17%
19	9%	27%	29%	12%	2%	5%	5%	5%	5%	7%	7%	9%
20	11%	6%	19%	24%	4%	8%	5%	6%	8%	14%	8%	10%
21	16%	6%	12%	12%	6%	7%	5%	7%	10%	15%	8%	10%
22	11%	0%	12%	10%	5%	7%	5%	8%	6%	8%	9%	7%
23	8%	20%	0%	9%	3%	19%	1%	9%	12%	21%	12%	7%
24	7%	0%	-2%	5%	2%	19%	0%	0%	12%	-1%	6%	2%
2022	1	2	3	4	5	6	7	8	9	10	11	12
1	31%	5%	22%	52%	22%	44%	7%	6%	42%	12%	43%	24%
2	24%	26%	21%	49%	33%	44%	11%	11%	6%	5%	9%	2%
3	29%	11%	19%	54%	27%	49%	8%	19%	28%	10%	11%	10%
4	5%	0%	18%	54%	33%	56%	20%	50%	5%	13%	13%	2%
5	34%	11%	25%	57%	14%	39%	80%	74%	12%	6%	14%	0%
6	33%	64%	45%	45%	7%	8%	13%	4%	24%	37%	22%	60%
7	19%	43%	26%	-3%	-4%	-6%	9%	-9%	-2%	12%	33%	25%
8	4%	-3%	-7%	-24%	-16%	-10%	-20%	-17%	-14%	0%	-3%	-8%
9	-40%	-9%	-32%	-57%	-22%	-33%	-20%	-54%	-31%	-6%	-1%	-13%
10	-48%	-32%	-39%	-87%	-36%	-78%	-41%	-70%	-67%	-83%	-35%	-16%
11	-62%	-88%	-68%	-97%	-53%	-67%	-36%	-33%	-56%	-86%	-41%	-20%
12	-65%	-86%	-73%	-91%	-62%	-91%	-49%	-47%	-55%	-84%	-85%	-66%
13	-67%	-85%	-76%	-97%	-38%	-85%	-20%	-29%	-11%	-75%	-88%	-89%
14	-65%	-85%	-62%	-98%	-39%	-80%	-20%	-25%	-6%	-77%	-88%	-90%
15	-45%	-84%	-39%	-95%	-35%	-75%	-20%	-16%	-6%	-15%	-31%	-8%
16	-35%	-9%	-28%	-85%	-24%	-57%	-20%	-2%	1%	-4%	-2%	-9%
17	2%	-4%	-11%	-16%	-14%	-18%	-4%	-5%	-2%	-4%	0%	8%
18	18%	43%	0%	-7%	-9%	-13%	-8%	-6%	4%	40%	27%	42%
19	20%	40%	41%	37%	10%	6%	12%	7%	10%	41%	13%	10%
20	19%	9%	24%	61%	29%	65%	4%	15%	9%	14%	17%	12%
21	26%	14%	19%	34%	15%	59%	13%	25%	7%	16%	17%	6%
22	21%	15%	11%	50%	21%	31%	10%	18%	13%	23%	14%	23%
23	34%	18%	16%	36%	18%	44%	6%	7%	13%	15%	16%	7%
24	6%	70%	40%	68%	27%	39%	12%	14%	15%	77%	29%	16%
2026	1	2	3	4	5	6	7	8	9	10	11	12
1	32%	33%	65%	62%	45%	42%	5%	15%	25%	14%	62%	36%
2	42%	11%	58%	29%	40%	51%	3%	29%	0%	8%	15%	6%
3	14%	2%	38%	48%	36%	27%	10%	42%	7%	12%	28%	2%
4	24%	0%	31%	49%	49%	47%	0%	43%	32%	8%	11%	13%
5	4%	2%	55%	72%	34%	54%	94%	35%	24%	46%	16%	8%
6	32%	91%	21%	68%	1%	-2%	11%	33%	19%	64%	37%	37%
7	25%	64%	21%	-6%	-16%	-10%	1%	-2%	-14%	-1%	31%	52%
8	-3%	0%	-19%	-40%	-21%	-15%	-19%	-18%	-14%	0%	-8%	-8%
9	-34%	-10%	-23%	-73%	-31%	-23%	-20%	-70%	-28%	-13%	-1%	0%
10	-44%	-50%	-70%	-90%	-40%	-76%	-22%	-70%	-62%	-88%	-32%	-8%

Average Pumped Storage Charge/Discharge (MW / Rated MW of Capacity)

11	-68%	-100%	-74%	-95%	-69%	-68%	-33%	-48%	-60%	-90%	-63%	-24%
12	-70%	-97%	-94%	-98%	-76%	-56%	-43%	-71%	-60%	-90%	-90%	-82%
13	-69%	-97%	-94%	-98%	-42%	-82%	-20%	-25%	-29%	-91%	-95%	-97%
14	-69%	-84%	-94%	-98%	-37%	-92%	-20%	-15%	-20%	-81%	-88%	-97%
15	-52%	-99%	-82%	-96%	-38%	-81%	-20%	-8%	-9%	-26%	-50%	-8%
16	-36%	-4%	-32%	-88%	-37%	-33%	-18%	0%	-4%	0%	-4%	-12%
17	-1%	-4%	-14%	-31%	-26%	-18%	-8%	-4%	-7%	0%	-2%	2%
18	35%	62%	5%	-9%	-8%	-13%	-15%	-7%	-9%	40%	16%	47%
19	31%	7%	33%	30%	-3%	-1%	3%	15%	23%	41%	17%	13%
20	13%	31%	31%	78%	45%	65%	17%	9%	31%	32%	14%	9%
21	29%	16%	6%	63%	8%	57%	10%	20%	11%	31%	16%	13%
22	11%	34%	16%	56%	20%	21%	12%	10%	13%	37%	16%	6%
23	29%	42%	38%	35%	18%	40%	16%	8%	20%	14%	13%	6%
24	13%	26%	39%	57%	33%	41%	7%	7%	36%	11%	32%	4%
2030	1	2	3	4	5	6	7	8	9	10	11	12
1	30%	0%	6%	33%	34%	79%	9%	1%	3%	28%	10%	54%
2	7%	0%	3%	12%	33%	51%	5%	1%	0%	0%	9%	11%
3	7%	0%	3%	16%	27%	17%	0%	1%	0%	0%	2%	2%
4	6%	0%	3%	26%	21%	36%	0%	1%	6%	0%	2%	11%
5	6%	0%	3%	40%	16%	76%	16%	18%	24%	0%	1%	11%
6	5%	0%	42%	51%	10%	9%	9%	8%	36%	45%	33%	40%
7	2%	87%	23%	-12%	-11%	-11%	-10%	-7%	-14%	5%	11%	5%
8	-14%	-8%	-23%	-71%	-29%	-65%	-10%	-18%	-19%	-23%	-24%	-8%
9	-48%	-63%	-40%	-89%	-37%	-90%	-18%	-77%	-52%	-87%	-24%	-39%
10	-74%	-96%	-85%	-98%	-81%	-96%	-77%	-82%	-98%	-99%	-38%	-89%
11	-86%	-100%	-88%	-99%	-94%	-98%	-100%	-88%	-93%	-100%	-73%	-100%
12	-100%	-100%	-100%	-100%	-99%	-98%	-100%	-93%	-61%	-100%	-94%	-100%
13	-91%	-100%	-100%	-100%	-95%	-95%	-81%	-85%	-63%	-98%	-100%	-100%
14	-78%	-100%	-100%	-100%	-69%	-95%	-74%	-30%	-60%	-96%	-100%	-100%
15	-78%	-100%	-82%	-100%	-48%	-95%	-20%	-23%	-19%	-83%	-62%	-100%
16	-47%	-95%	-43%	-99%	-43%	-95%	-15%	-16%	-5%	-13%	0%	-12%
17	2%	0%	-8%	-36%	-27%	-18%	-18%	6%	-4%	0%	0%	16%
18	93%	100%	7%	0%	-2%	-11%	-11%	9%	-3%	85%	63%	87%
19	90%	100%	89%	90%	12%	11%	16%	52%	95%	90%	50%	65%
20	67%	64%	85%	97%	84%	87%	77%	71%	77%	86%	79%	85%
21	50%	79%	61%	98%	70%	91%	92%	70%	79%	84%	52%	81%
22	73%	80%	70%	98%	87%	88%	82%	74%	54%	97%	44%	28%
23	34%	86%	74%	89%	48%	74%	50%	59%	6%	31%	15%	16%
24	8%	9%	57%	65%	50%	68%	71%	39%	3%	0%	17%	0%

Average Thermal Emission Factor by Month-Hour (tCO2/MWh)

2018	1	2	3	4	5	6	7	8	9	10	11	12
1	0.40	0.41	0.41	0.41	0.39	0.41	0.36	0.37	0.37	0.37	0.37	0.37
2	0.40	0.41	0.41	0.41	0.39	0.41	0.36	0.37	0.37	0.37	0.37	0.36
3	0.40	0.41	0.41	0.41	0.40	0.41	0.37	0.37	0.37	0.37	0.37	0.37
4	0.40	0.41	0.41	0.41	0.39	0.41	0.37	0.37	0.37	0.37	0.37	0.36
5	0.40	0.41	0.41	0.41	0.40	0.41	0.36	0.37	0.37	0.37	0.37	0.36
6	0.40	0.41	0.41	0.41	0.40	0.41	0.37	0.37	0.37	0.38	0.37	0.36
7	0.40	0.41	0.41	0.41	0.40	0.40	0.37	0.37	0.37	0.37	0.37	0.36
8	0.39	0.40	0.41	0.41	0.39	0.40	0.37	0.37	0.37	0.37	0.37	0.37
9	0.38	0.41	0.41	0.39	0.39	0.39	0.37	0.38	0.37	0.37	0.37	0.37
10	0.38	0.41	0.40	0.39	0.31	0.40	0.37	0.38	0.37	0.38	0.38	0.38
11	0.38	0.40	0.40	0.39	0.32	0.40	0.37	0.38	0.37	0.38	0.38	0.38
12	0.38	0.40	0.40	0.39	0.31	0.39	0.37	0.38	0.37	0.38	0.38	0.38
13	0.38	0.40	0.40	0.38	0.31	0.39	0.36	0.37	0.37	0.38	0.38	0.38
14	0.38	0.39	0.40	0.38	0.32	0.39	0.37	0.37	0.38	0.38	0.38	0.38
15	0.38	0.40	0.40	0.39	0.32	0.39	0.37	0.38	0.38	0.37	0.38	0.38
16	0.38	0.40	0.41	0.41	0.32	0.40	0.37	0.39	0.38	0.37	0.37	0.38
17	0.40	0.40	0.41	0.41	0.40	0.41	0.38	0.39	0.39	0.38	0.38	0.37
18	0.40	0.40	0.41	0.41	0.40	0.40	0.39	0.39	0.40	0.39	0.39	0.38
19	0.41	0.41	0.42	0.42	0.40	0.41	0.39	0.39	0.40	0.39	0.39	0.39
20	0.41	0.41	0.42	0.42	0.40	0.41	0.39	0.39	0.40	0.39	0.39	0.38
21	0.40	0.41	0.41	0.42	0.40	0.41	0.39	0.39	0.39	0.39	0.39	0.38
22	0.40	0.41	0.41	0.41	0.40	0.41	0.38	0.38	0.39	0.38	0.39	0.38
23	0.40	0.41	0.41	0.41	0.40	0.40	0.37	0.37	0.38	0.37	0.38	0.37
24	0.40	0.41	0.41	0.41	0.39	0.40	0.36	0.37	0.37	0.37	0.37	0.37
2022	1	2	3	4	5	6	7	8	9	10	11	12
1	0.39	0.39	0.40	0.42	0.41	0.43	0.37	0.39	0.37	0.38	0.37	0.39
2	0.39	0.39	0.41	0.42	0.41	0.43	0.37	0.39	0.37	0.38	0.37	0.39
3	0.39	0.38	0.41	0.42	0.41	0.43	0.36	0.39	0.37	0.38	0.37	0.39
4	0.39	0.38	0.41	0.42	0.41	0.43	0.37	0.39	0.37	0.38	0.37	0.39
5	0.39	0.38	0.41	0.42	0.41	0.43	0.38	0.39	0.37	0.38	0.37	0.38
6	0.39	0.39	0.41	0.42	0.41	0.43	0.37	0.39	0.38	0.39	0.37	0.38
7	0.39	0.40	0.41	0.34	0.33	0.41	0.36	0.38	0.38	0.38	0.38	0.39
8	0.39	0.40	0.29	0.28	0.32	0.55	0.38	0.39	0.38	0.39	0.38	0.38
9	0.20	0.41	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.01	0.22	0.36
10	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.01	0.23	0.38
11	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.01	0.23	0.38
12	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.01	0.23	0.38
13	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.01	0.23	0.38
14	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.37	0.01	0.23	0.38
15	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.31	0.37	0.01	0.23	0.38
16	0.19	0.00	0.26	0.00	0.25	0.02	0.38	0.33	0.37	0.40	0.37	0.38
17	0.40	0.41	0.28	0.24	0.25	0.34	0.36	0.40	0.38	0.40	0.39	0.39
18	0.40	0.40	0.41	0.42	0.33	0.42	0.38	0.40	0.39	0.40	0.39	0.40
19	0.41	0.40	0.42	0.42	0.41	0.42	0.39	0.40	0.40	0.40	0.40	0.40
20	0.40	0.40	0.42	0.43	0.42	0.44	0.41	0.40	0.39	0.40	0.40	0.40
21	0.40	0.40	0.41	0.42	0.41	0.43	0.40	0.40	0.39	0.40	0.39	0.40
22	0.40	0.40	0.41	0.42	0.40	0.42	0.40	0.39	0.38	0.39	0.39	0.40
23	0.40	0.40	0.41	0.42	0.41	0.42	0.39	0.39	0.38	0.38	0.39	0.39
24	0.39	0.39	0.41	0.42	0.41	0.42	0.38	0.39	0.38	0.37	0.38	0.39
2026	1	2	3	4	5	6	7	8	9	10	11	12
1	0.39	0.37	0.38	0.41	0.40	0.42	0.38	0.39	0.38	0.38	0.37	0.38
2	0.38	0.37	0.37	0.41	0.40	0.42	0.38	0.39	0.37	0.38	0.37	0.38
3	0.38	0.37	0.37	0.42	0.40	0.42	0.38	0.39	0.37	0.37	0.37	0.38
4	0.38	0.37	0.38	0.42	0.40	0.42	0.38	0.39	0.37	0.38	0.37	0.38
5	0.38	0.37	0.38	0.42	0.40	0.42	0.39	0.39	0.37	0.38	0.37	0.38
6	0.38	0.36	0.39	0.41	0.40	0.42	0.38	0.38	0.38	0.38	0.37	0.37
7	0.39	0.38	0.39	0.33	0.32	0.42	0.37	0.37	0.38	0.38	0.37	0.38
8	0.38	0.38	0.40	0.32	0.31	0.39	0.36	0.39	0.37	0.38	0.38	0.38
9	0.19	0.39	0.26	0.01	0.24	0.02	0.38	0.33	0.38	0.38	0.22	0.37
10	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.38	0.23	0.38
11	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.38	0.23	0.38
12	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.38	0.23	0.38
13	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.38	0.23	0.38
14	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.33	0.38	0.38	0.23	0.38
15	0.20	0.00	0.27	0.00	0.24	0.02	0.38	0.31	0.38	0.38	0.23	0.38
16	0.19	0.40	0.26	0.01	0.23	0.02	0.38	0.32	0.37	0.37	0.38	0.37
17	0.40	0.40	0.38	0.31	0.32	0.43	0.37	0.39	0.38	0.40	0.39	0.39
18	0.40	0.39	0.39	0.42	0.40	0.41	0.39	0.39	0.39	0.39	0.39	0.39
19	0.40	0.40	0.40	0.41	0.40	0.41	0.39	0.39	0.40	0.40	0.39	0.39
20	0.40	0.40	0.40	0.42	0.41	0.41	0.40	0.40	0.40	0.40	0.39	0.39
21	0.40	0.40	0.40	0.41	0.40	0.41	0.40	0.39	0.39	0.39	0.39	0.39
22	0.40	0.39	0.39	0.41	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39
23	0.39	0.39	0.39	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.38	0.39
24	0.39	0.38	0.38	0.41	0.40	0.41	0.38	0.39	0.38	0.37	0.37	0.38
2030	1	2	3	4	5	6	7	8	9	10	11	12
1	0.37	0.37	0.36	0.40	0.38	0.39	0.36	0.37	0.37	0.36	0.37	0.37
2	0.37	0.37	0.36	0.40	0.37	0.39	0.36	0.37	0.37	0.36	0.37	0.37
3	0.37	0.37	0.36	0.40	0.37	0.39	0.36	0.37	0.37	0.36	0.37	0.37
4	0.37	0.37	0.36	0.40	0.37	0.39	0.36	0.37	0.37	0.36	0.36	0.37
5	0.36	0.37	0.37	0.40	0.38	0.39	0.36	0.37	0.37	0.36	0.36	0.37
6	0.37	0.36	0.37	0.40	0.37	0.39	0.36	0.37	0.37	0.36	0.37	0.36
7	0.37	0.36	0.38	0.39	0.38	0.38	0.37	0.38	0.37	0.37	0.37	0.36
8	0.37	0.38	0.40	0.31	0.32	0.14	0.39	0.38	0.38	0.39	0.38	0.38
9	0.20	0.39	0.27	0.00	0.00	0.02	0.00	0.07	0.18	0.01	0.23	0.39
10	0.10	0.00	0.09	0.00	0.00	0.02	0.00	0.07	0.18	0.01	0.24	0.00
11	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.18	0.01	0.00	0.00
12	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.18	0.01	0.00	0.00
13	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.17	0.01	0.00	0.00
14	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.17	0.01	0.00	0.00
15	0.10	0.00	0.00	0.00	0.19	0.02	0.00	0.33	0.17	0.01	0.00	0.00
16	0.19	0.00	0.19	0.00	0.24	0.02	0.39	0.32	0.38	0.39	0.39	0.39
17	0.39	0.39	0.38	0.27	0.23	0.26	0.38	0.37	0.37	0.39	0.39	0.39
18	0.38	0.38	0.38	0.41	0.39	0.40	0.37	0.38	0.39	0.38	0.38	0.38
19	0.38	0.38	0.39	0.40	0.39	0.39	0.38	0.39	0.40	0.38	0.39	0.38
20	0.38	0.38	0.39	0.40	0.40	0.40	0.39	0.39	0.39	0.38	0.39	0.38
21	0.38	0.38	0.39	0.40	0.39	0.40	0.39	0.39	0.39	0.38	0.39	0.38
22	0.38	0.38	0.38	0.40	0.39	0.40	0.38	0.38	0.38	0.37	0.38	0.38
23	0.37	0.37	0.37	0.40	0.38	0.39	0.38	0.37	0.38	0.36	0.38	0.38
24	0.37	0.36	0.36	0.40	0.38	0.40	0.36	0.37	0.38	0.36	0.37	0.37

CAISO Import Emissions Offset

		2018	2022	2026	2030
Emissions offset for NW hydroelectric imports	*MMtCO2/yr.*	2.8	2.8	2.8	2.8