REGULAR MEETING of the Energy Planning & Resources Committee
of the Clean Power Alliance of Southern California
Wednesday, August 25, 2021
12:15 p.m.

SPECIAL NOTICE: Pursuant to Paragraph 11 of Executive Order N-29-20, executed by the Governor of California on March 17, 2020, and as a response to mitigating the spread of COVID-19, the Energy Planning & Resources Committee will conduct this meeting remotely.

Click here to view a Live Stream of the Meeting on YouTube
*There may be a streaming delay of up to 60 seconds. This is a view-only live stream.

To Listen to the Meeting:
https://us06web.zoom.us/j/83459399061
or
Dial: (253) 215–8782 Meeting ID: 834 5939 9061

PUBLIC COMMENT: Members of the public may submit their comments by one of the following options:

- **Email Public Comment**: Members of the public are encouraged to submit written comments on any agenda item to clerk@cleanpoweralliance.org up to four hours before the meeting. Written public comments will be announced at the meeting and become part of the meeting record. Public comments received in writing will not be read aloud at the meeting.

- **Provide Public Comment During the Meeting**: Please notify staff via email to clerk@cleanpoweralliance.org at the beginning of the meeting but no later than immediately before the agenda item is called.
  
  o You will be asked for your name and phone number (or other identifying information) similar to filling out a speaker card so that you can be called on when it is your turn to speak.
  
  o You will be called upon during the comment section for the agenda item on which you wish to speak on. When it is your turn to speak, a staff member will unmute your phone or computer audio.
  
  o You will be able to speak to the Committee for the allotted amount of time. Please be advised that all public comments must otherwise comply with our Public Comment Policy.
  
  o Once you have spoken, or the allotted time has run out, you will be muted during the meeting.

If unable to connect by Zoom or phone and you wish to make a comment, you may submit written comments via email to: clerk@cleanpoweralliance.org.

*While downloading the Zoom application may provide a better meeting experience, Zoom does not need to be installed on your computer to participate. After clicking the webinar link above, click “start from your browser.”
Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact the Clerk of the Board at clerk@cleanpoweralliance.org or (213) 713-5995. Notification in advance of the meeting will enable us to make reasonable arrangements to ensure accessibility to this meeting and the materials related to it.

PUBLIC COMMENT POLICY: The General Public Comment item is reserved for persons wishing to address the Committee on any Clean Power Alliance-related matters not on today's agenda. Public comments on matters on today's Consent Agenda and Regular Agenda shall be heard at the time the matter is called. Comments on items on the Consent Agenda are consolidated into one public comment period. As with all public comment, members of the public who wish to address the Committee are requested to complete a speaker's slip and provide it to Clean Power Alliance staff at the beginning of the meeting but no later than immediately prior to the time an agenda item is called.

Each speaker is customarily limited to two (2) minutes (in whole minute increments) per agenda item with a cumulative total of five (5) minutes to be allocated between the General Public Comment, the entire Consent Agenda, or individual items in the Regular Agenda. Please refer to Clean Power Alliance Policy No. 8 – Public Comments for more information.

CALL TO ORDER & ROLL CALL

GENERAL PUBLIC COMMENT

CONSENT AGENDA

1. Approve Minutes from July 28, 2021 Energy Committee Meeting
2. Receive and File July 2021 Risk Management Team Report

REGULAR AGENDA

3. 2021 Power Share Request for Offers (RFO) Program Update

COMMITTEE MEMBER COMMENTS

ADJOURN – NEXT MEETING SEPTEMBER 22, 2021

Public Records: Public records that relate to any item on the open session agenda for a Committee Meeting are available for public inspection. Those records that are distributed less than 72 hours prior to the meeting are available for public inspection at the same time they are distributed to all, or a majority of, the members of the Committee. Those documents are available for inspection online at www.cleanpoweralliance.org/agendas.
MINUTES

REGULAR MEETING of the Energy Planning & Resources Committee
of the Clean Power Alliance of Southern California
Wednesday, July 28, 2021, 12:15 p.m.

The Energy Planning & Resources Committee conducted this meeting in accordance with California Governor Newsom’s Executive Order N-29-20 and COVID-19 pandemic protocols.

CALL TO ORDER & ROLL CALL

Committee Chair Parkhurst called the meeting to order at 12:17 p.m. and Clerk of the Board, Gabriela Monzon, conducted roll call.

<table>
<thead>
<tr>
<th>ROLL CALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alhambra</td>
</tr>
<tr>
<td>Arcadia</td>
</tr>
<tr>
<td>Carson</td>
</tr>
<tr>
<td>Sierra Madre</td>
</tr>
<tr>
<td>Thousand Oaks</td>
</tr>
<tr>
<td>Ventura County</td>
</tr>
</tbody>
</table>

All votes are unanimous, unless otherwise stated.

GENERAL PUBLIC COMMENT

There was no public comment.

CONSENT AGENDA

1. Approve Minutes from May 26 and June 23, 2021, Energy Committee Meetings
2. Receive and File May and June 2021 Risk Management Team Reports

Motion: Committee Member Tait, Arcadia
Second: Committee Member Kulcsar, Carson
Vote: The consent agenda was approved by a roll call vote.

REGULAR AGENDA

3. Review the California Public Utilities Commission Diablo Canyon Decision & Proposed CPA Request for Offers (RFO)

Natasha Keefer, Vice President of Power Supply, provided an overview of the California Public Utilities Commission’s (CPUC) Diablo Canyon decision which orders load serving entities (LSEs), including CPA, to procure 11,500 MW of new capacity statewide to come online between 2023-2026. The capacity is intended to replace the capacity retiring from the Diablo Canyon Power Plant as well as
several once-through-cooling (OTC) thermal power plants. CPA is expecting to release a Reliability Request for Offers (RFO) in September to seek offers for eligible projects to fully comply. Ms. Keefer explained that under the decision, CPA is required to procure a total of 679 MW of new reliable capacity between 2023-2026; discussed types of resources required to come online and defined long lead time resources in further detail. Long duration storage is defined as able to deliver a maximum capacity for at least eight hours from a single resource; firm zero emitting generation resources is defined as generation capacity that has no on-site emissions or is eligible under the RPS program and has at least an 80% capacity factor. The decision specifically states the resources can’t be use-limited or weather dependent, making the options for technology geothermal or biomass. LSEs will have to submit evidence of a good faith effort by February 1, 2023, to the CPUC that demonstrates an effort to procure long lead time resources. Staff assessed CPA’s compliance under the decision; CPA has a robust portfolio of resources that qualify. The compliance position incorporates conservative assumptions of project failures and successful power purchase agreement negotiations and CPA will not require any additional resources in the 2023-2025 timeframe; however, if PPA negotiations fall through, CPA will be short 161 MW. CPA is seeking to launch a 2021 Reliability RFO targeted towards meeting the procurement obligations under this decision. Additional procurement targets will be assessed in 2022 along with CPA’s integrated resources planning (IRP) process. Three key procurement drivers to consider during planning are CPA’s long-term product content strategy, the 2022 IRP process, and additional resources available through the PCIA allocation. Ms. Keefer concluded with a review of the 2021 Reliability RFO Schedule and other upcoming solicitations.

Chair Parkhurst asked why the Reliability RFO will be open longer than typical and the likelihood of procuring resources in CPA’s service territory. Ms. Keefer explained that the RFO will stay open only slightly longer than usual and will give developers a head start to encourage a robust response; it may be likely that CPA does not receive a lot of responses to the RFO due to the nature of the resources required. Offers may include long duration storage and alternative long duration storage technologies, but there may not be a lot of availability for new geothermal and biomass facilities which can make it challenging to fill the entire compliance requirement. It is unlikely that new base load resources and renewables paired with storage will be located within with CPA service territory. Standalone storage, though located in CPA’s territory, is more expensive than storage paired with the generation resource. Committee Member Ramirez noted that there is some concern that about the grid’s ability to handle the electrification happening throughout the state; Ms. Keefer explained that the planning at the CPUC over the next decade does include assumptions around electrification and development of behind the meter solar and storage. Committee Member Kulcsar asked about changes to the accounting methodology and thanked staff for the opportunity to review the 2021 Power Share DAC RFO requirements at the August Energy Committee meeting. Ms. Keefer noted that CPA’s requirement will not change, but the contracting and pending megawatts will change after the accounting methodology determines what resources will count towards the requirement. Ted Bardacke, Executive Director, added that if current PPA negotiations are not successful, the 2021 Reliability RFO may include some regular renewables to make up for a shortfall. Responding to Committee Member Maloney’s comments, Mr. Bardacke noted that because CPA has done so much early procurement, it is in good share to fill its renewables position for the Diablo Canyon decision.
COMMITTEE MEMBER COMMENTS

Committee Member Ramirez noted that a San Luis Obispo County Supervisor shared the possibility of using Diablo Canyon to create, store, and distribute hydrogen; Mr. Bardacke explained that hydrogen is very popular politically at the moment but has some implementation and environmental challenges to overcome.

ADJOURN

Chair Parkhurst adjourned the meeting at 1:03 p.m.
Staff Report – Agenda Item 2

To: Energy Planning & Resources Committee
From: Natasha Keefer, Vice President, Power Supply
Approved by: Ted Bardacke, Executive Director
Subject: Risk Management Team Report
Date: August 25, 2021

July 2021 RMT REPORT
Key Actions
- Discussed August load forecast update.
- Reviewed 2021-2024 renewable and carbon free positions and approved a potential carbon free transaction.
- Reviewed 2021-2025 Resource Adequacy (RA) positions and discussed strategy for CPA’s 2022 year-ahead RA compliance showing.

Policy Compliance
No policy deviations to report.

ATTACHMENT
None.
Staff Report – Agenda Item 3

To: Energy Planning & Resources Committee

From: Natasha Keefer, Vice President, Power Supply

Approved by: Ted Bardacke, Executive Director

Subject: Power Share RFO Update

Date: August 19, 2021

Staff will provide a presentation on the item.

ATTACHMENT

1) Power Share RFO Presentation
Item 3
2021 Power Share Request for Offers (RFO)

Wednesday, August 25, 2021
Agenda

• Background on Power Share Program
  – Disadvantaged Community Green Tariff
  – Community Solar

• Status on 2020 RFO

• CPA 2021 Outreach Campaign

• 2021 Power Share RFO Proposal

• Next Steps
Background

• In June 2018, the CPUC approved D.18-06-027, which created two programs:
  – Disadvantaged Communities Green Tariff (DAC-GT) – Customer Program
  – Community Solar Green Tariff (CSGT) – Community Program
• Capacity for the two programs combined is capped at about 15 MW, which will serve approximately 6,800 customers when fully subscribed
  – Current enrollment in the DAC-GT program is ~1,000 customers (~2.25 MW)
• The CPUC will reimburse CPA on program costs, including above-market procurement costs, the 20% discount on customers’ total electric bill, and CPA’s program implementation costs (administration, marketing, education, and outreach)
• CPA must implement the programs consistent with CPUC guidelines
  - Customer and project eligibility
  - CPUC-approved program design and RFO solicitations, including power purchase agreement (PPA) approval
  - PPA price must fall under the CPUC-designated price cap
DAC Programs (CPA Branded as “Power Share”)

- Two distinct programs that promote the development of renewable generation in and for underserved communities:

  **Disadvantaged Community Green Tariff (DAC-GT)**
  12.19 MW
  *Encourages the development of clean energy resources throughout the state*

  **Community Solar Green Tariff (CS – GT)**
  3.13 MW
  *Community-based projects designed to serve local communities*

Both programs allow eligible CPA customers who enroll in the Power Share program to receive 100% renewable energy and a 20% bill discount.
DAC-GT Program Description

• DAC-GT customers will receive energy from new Renewable Portfolio Standard (RPS)-eligible projects located within a DAC in Southern California Edison (SCE) territory

• Project eligibility:
  - In-front-of-the meter and 500 kW - 13 MW in size
  - New solar, wind, hydroelectric, or biomass/biogas generating facility

• Eligible customers are CPA customers eligible for the CARE or FERA low-income programs and live within a DAC in CPA territory
  - Enrolled customers will receive 100% renewable energy based on their monthly usage at a 20% bill discount
Community Solar Program Description

- Community Solar customers will receive a portion of the renewable energy output from a local community solar project sized at 3 MW or less.

- Project eligibility:
  - Projects located within a DAC that is within 5 miles of benefitting customers’ DAC census tract.
  - New, RPS-eligible solar, front-of-the-meter generating facility.
  - Community Solar projects require a **Community Sponsor** who assists with customer enrollment and ensures project development is consistent with community priorities.

- Eligible customers must live within a DAC in CPA territory and be within 5 miles of the project location.
  - Enrolled customers will subscribe to a portion of the Community Solar project capacity based on their historical energy usage.

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(1) Community sponsors must be a non-profit community-based organization (CBO) or local government entity.
Community Solar Example – Commercial Site

Example of where the project site is a commercial/industrial building, and the Community Sponsor supports the project:

- Community Sponsor can utilize 25% of the power from the project; the remaining 75% goes to the community’s homes
- Community Sponsor is eligible for a 20% bill discount on up to 25% of the project’s output
- The Project site generates the power and is compensated through the PPA with the Developer

Example 1 – separate host site and community sponsor

<table>
<thead>
<tr>
<th>Project Site</th>
<th>Community Sponsor</th>
<th>Enrolled CPA Residential Customers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Located in a DAC within 5 miles of participating CPA customers</td>
<td>School</td>
<td>Located within DAC within 5 miles of project site. At least 50% of enrolled customers are low income.</td>
</tr>
</tbody>
</table>

25% project output
75% project output
Community Solar Example – Community Site

Example of where the project site is also the Community Sponsor.

- Community Sponsor/site can utilize 25% of the power from the project. The remaining 75% goes to the community’s homes
- Community Sponsor/site is eligible for a 20% bill discount on up to 25% of the project’s output
- The Project site generates the power and is compensated through the PPA with the Developer
Status of 2020 Power Share RFO

- The Energy Committee shortlisted 3 projects:

<table>
<thead>
<tr>
<th>Project</th>
<th>Online</th>
<th>Technology</th>
<th>kW Gen</th>
<th>Env. Stewardship</th>
<th>Benefits to DACs</th>
<th>Workforce Development</th>
<th>Project Location</th>
<th>Development Score</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAC-GT A</td>
<td>Q4 2023</td>
<td>Solar</td>
<td>3,000</td>
<td>Neutral</td>
<td>High</td>
<td>High</td>
<td>Medium</td>
<td>Medium</td>
<td>San Bernardino</td>
</tr>
<tr>
<td>CS-GT B</td>
<td>Q2 2022</td>
<td>Solar</td>
<td>350</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>CS-GT C</td>
<td>Q2 2022</td>
<td>Solar</td>
<td>450</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>Los Angeles</td>
</tr>
</tbody>
</table>

- All three projects are still in negotiation, with the DAC-GT project expected for Board approval in September and the two Community Solar projects expected for Board approval in October.
Proposed 2021 Power Share RFO

- CPA still has a large outstanding capacity for eligible projects to fill program capacity needs:

<table>
<thead>
<tr>
<th>Allocation</th>
<th>CPA’s Total Allocation</th>
<th>CPA’s Remaining Allocation After 2020 PPAs are Executed</th>
<th>CPA’s Remaining Allocation (%)</th>
<th>CPA’s Remaining Allocation (% of customers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAC-GT</td>
<td>12.19 MW</td>
<td>9.19 MW</td>
<td>75.4%</td>
<td>~4,000</td>
</tr>
<tr>
<td>CS-GT</td>
<td>3.13 MW</td>
<td>2.33 MW</td>
<td>74.4%</td>
<td>~1,000</td>
</tr>
</tbody>
</table>

- CPA is planning to launch its next 2021 Power Share RFO to fill its DAC-GT and Community Solar unmet capacity in October 2021
  - Once staff gets feedback from Energy Committee on the RFO design (today’s discussion), CPA will need to submit its solicitation materials for CPUC approval, which can take up to 30 days
- Since the 2020 RFO, CPA has conducted a marketing outreach campaign to encourage participation in the program, particularly the Community Solar portion, and has gained significant lessons learned
Outreach Campaign

- CPA underwent a several-months long process to gather contacts for solar developers/consultants and potential community sponsors, including member agencies, to notify when the upcoming RFO is released

- CPA has produced a new pairing resource (see next slide) to facilitate project partnership, which will remain open and will be updated regularly
  - All developers/consultants and potential community sponsors identified have been notified of the pairing resource and been invited to provide their information

- New marketing material, including fact sheets, is stakeholder specific (developer vs. site host vs. community sponsor) and should yield clear and targeted communication

CPA has identified to date 59 solar developers/consultants and 64 potential community sponsors (with additional parties to be added) to engage for the next RFO
New Partnering Resource

Interested parties may visit https://cleanpoweralliance.org/communitysolar/ to learn more about the program and submit their information to access the ‘pairing’ resource. This resource allows interested parties to contact each other to evaluate potential Community Solar projects.

Community Solar

CPA is working with communities and energy developers to build local, small-scale solar projects that will provide clean power at a 20% discount to under served-communities.

What is Community Solar?

The California Public Utilities Commission (CPUC) has allocated 3.13 megawatts (MW) of solar generation for Clean Power Alliance (CPA) customers under the Community Solar Green Tariff. This program is designed for electricity providers like CPA to partner with solar developers and local communities to bring clean power to under-resourced neighborhoods.

How does it work?

Solar developers partner with local nonprofits, schools, or public agencies to sponsor projects on behalf of nearby residents within a Disadvantaged Community (DAC) in CPA's service territory.
Proposed Changes for 2021 Power Share RFO

*Community Solar*

RFO materials to reflect CPA program preferences and lessons learned from Distribution Energy Resources (DER) implementation

- **Geographic Eligibility** - Community Solar sites limited to only DACs in CPA member agency jurisdictions/service territory
- **Interconnection requirements** - determination of interconnection Fast Track eligibility required
- **Size eligibility** - Minimum size of 500 kW is preferred (aggregations of multiple sites to meet this minimum is OK); single projects under 500 kW will be eligible to bid and be selected but may be subject to a longer contracting process depending on location due to CAISO regulations
- CPA will not include a Request for Information in this RFO because the Partnering Resource has been established
Proposed Changes for 2021 Power Share RFO

**DAC GT**

- Energy Committee previously expressed interest in limiting geographic eligibility for DAC-GT projects to only LA and Ventura counties

- Because there are no eligible LA or Ventura county projects currently in the interconnection queue, CPA is not expecting to receive any local project bids in the upcoming RFO
  - Development of renewable projects in LA and Ventura counties is challenging due to restrictive permitting ordinances, land availability, and land cost – developers typically only enter the project queue after knowing there is a robust market for them
  - Further geographic limitation at this time would jeopardize CPA's ability to offer the full program capacity (and resulting bill discounts) to its customers and therefore is not recommended

- Given the current pipeline of small solar-only projects in SCE’s service territory, CPA is also not expecting to fully subscribe its DAC-GT allocation in this upcoming RFO

- CPA is planning to conduct more developer education and outreach for the DAC-GT portion of the Power Share program and may have an opportunity to limit geographic eligibility in future RFOs once a larger local project pipeline is developed
Evaluation Criteria

- Individual projects received a rank for each of the following criteria (see Appendix for details on Evaluation Criteria):
  - Quantitative Evaluation
  - Development Score
  - Environmental Stewardship
  - Workforce Development
  - Project Location
  - Other Preferences

- In addition, CPA included the following *workforce development requirements* for all projects:
  - Prevailing wage requirements and targeted hire commitments for all projects, with a preference for Project Labor Agreements (PLAs)

(1) Other Preferences – CPA will prioritize projects that leverage other government funding, or that provide evidence of support or endorsements from local climate initiatives.
## Proposed Schedule (2021-2022)

<table>
<thead>
<tr>
<th>Date</th>
<th>Action</th>
</tr>
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<tbody>
<tr>
<td>September</td>
<td>Finalize RFO materials for CPUC approval</td>
</tr>
<tr>
<td>Early October</td>
<td>RFO Launch (upon CPUC approval)</td>
</tr>
<tr>
<td>Late January</td>
<td>RFO bid submissions due</td>
</tr>
<tr>
<td>February/March</td>
<td>RFO Review Team / Energy Committee shortlist consideration</td>
</tr>
<tr>
<td>March – June</td>
<td>PPA negotiations</td>
</tr>
<tr>
<td>June – July</td>
<td>Board consideration of PPAs</td>
</tr>
<tr>
<td>No later than November</td>
<td>Executed PPAs submitted to CPUC for approval*</td>
</tr>
<tr>
<td>TBD</td>
<td>Next Power Share RFO Release</td>
</tr>
</tbody>
</table>

*CPA is required to submit PPAs for CPUC approval within 180 of bidders’ receipt of shortlist notification
Appendix
Questions and Feedback
## DAC-GT and CS-GT CPUC Program Eligibility Comparison

<table>
<thead>
<tr>
<th></th>
<th>DAC-GT</th>
<th>CS-GT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Online Date</strong></td>
<td>No later than December 31, 2023</td>
<td>No later than December 31, 2023</td>
</tr>
<tr>
<td><strong>Locational Eligibility</strong></td>
<td>Projects located within a DAC in SCE territory</td>
<td>Projects located within a DAC that is within 5 miles of benefitting customers’ DAC census tract*</td>
</tr>
<tr>
<td><strong>Project Size</strong></td>
<td>500 kW – 13 MW</td>
<td>No Minimum; Maximum 3 MW</td>
</tr>
<tr>
<td><strong>Generation Type</strong></td>
<td>New solar, wind, hydroelectric, or biomass/biogas RPS-eligible FTM generating facility</td>
<td>New, RPS-eligible solar, FTM generating facility</td>
</tr>
<tr>
<td><strong>Interconnection</strong></td>
<td>Must have completed a Phase I Interconnection Study</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Community Sponsor</strong></td>
<td>N/A</td>
<td>Projects require a Community Sponsor</td>
</tr>
</tbody>
</table>

*Bidders were provided with a mapping tool that allowed them to estimate # of CPA customers within a 5-mile radius
Development Score

*Projects will be ranked as High, Medium, or Low*

- The development score is a composite score based on a number of factors impacting project risk:
  - Site control
  - Interconnection status
  - Environmental screens
  - Land use and permits
  - Project financing
  - Developer Experience
Environmental Stewardship

Projects are ranked high, medium, neutral, and low based on the following prioritization:

**HIGH**
- Demonstrates multiple benefits (provides additional societal, health, economic, water saving, or environmental benefits beyond the climate and GHG reduction benefits of renewable energy)

**MEDIUM**
- Located in an area designated as a preferred renewable energy zone and received required land use entitlement permits

**NEUTRAL**
- Project does not demonstrate either preference or avoidance criteria

**LOW**
- Project is located in a high conflict area
Workforce Development

*Projects will be ranked high, medium, and low based on the following prioritization:*

- **HIGH**
  - The project will use targeted-hire, union labor, or multi-trade project labor agreements (including requirements for state-apprenticeship graduates)

- **MEDIUM**
  - The project does not have a labor agreement, but can demonstrate prevailing wage, union labor, and targeted hire commitments

- **LOW**
  - The project does not demonstrate prevailing wage, union labor, and targeted hire commitments

Grey denotes rank that would not meet RFO eligibility criteria
Projects will be ranked high, medium, and low based on the following prioritization:

**HIGH**
- In Los Angeles and Ventura counties

**MEDIUM**
- Other counties within California

**LOW**
- Out of state projects

Grey denotes rank that would not meet RFO eligibility criteria.
Benefits to Disadvantaged Communities (DACs)

*Projects will be ranked high, medium, and low based on the following prioritization:*

**HIGH**
- Located within a DAC and demonstrates DAC workforce and community development benefits

**MEDIUM**
- Project not located within a DAC but can demonstrate DAC benefits and has completed community outreach

**NEUTRAL**
- Project does not demonstrate DAC benefits

**LOW**
- Project is inconsistent with community priorities

*Grey denotes rank that would not meet RFO eligibility criteria*