Agenda

- Local Programs for a Clean Energy Future Strategic Plan
- Building Team and Processes
- Individual Program Review
- Lessons Learned
- What’s Next
Community Advisory Committee Feedback

- Outreach & Engagement on Existing programs
- Mid-term Strategic Review
- Other Thoughts?
Local Programs for a Clean Energy Future
To ensure that CPA's local programs were driven by the community that it serves, customers and stakeholders were consulted early and often.

Over the course of 2 months, CPA conducted 4 in-person goal setting workshops both in LA and Ventura counties.

Close coordination and several months of input from the Community Advisory Committee.

Released a public survey in English, Spanish and Chinese.

CPA interviewed 13 grass root organizations with on the ground experience in environmental, labor, and environmental justice/community issues.

CPA's guiding principle was to add value, fill gaps in the market and not replicate programs or resources that currently exist.
Program Pillars & Prioritized Programs

- Grid Management & Resiliency
  - Clean back up for Essential Facilities
  - Demand Response
  - Peak Management Pricing
- Electrification
  - Public Electric Vehicle Charging
  - Building Electrification Codes
- Local Procurement
  - Community Solar
  - 100% Green Discount
Customer Programs Team

Xico Manarolla
Electrification Program Manager

Jillian Nelson
Grid Mgt. & Resiliency Program Manager

Alex Ricklefs
Community Solar Program Manager
Power Ready
Power Ready Overview

What is Power Ready?

Power Ready is a resiliency program where CPA member agencies have the opportunity to host a solar powered battery storage system at a facility that provides a critical community or municipal function in times of an outage.

How Does it Work?

- CPA with and consultant EcoMotion worked with member agencies to identify potential sites
- EcoMotion performed site assessments
- CPA developed a memorandum of understanding (MOU) to define roles and responsibilities between CPA and the member agencies; the MOU is under consideration and awaiting approval by several member agencies
- CPA will release an RFO for a solar developer where CPA will enter into a PPA for the solar/storage portfolio
- The solar developer will install, own and operate the projects; CPA will pay the developer; the member agency will receive back-up power during outages and their overall bill will not increase as a result
- The first installations could be operational in 2023
Power Ready Portfolio (To Date)

**MOU Executed**

- Sierra Madre
  - Ventura County
  - Oak View/Ojai*

*(Ventura County Site)*

**Site Identified**

- Agoura Hills
- Beverly Hills
- Calabasas
- Carson
- Claremont*
- LA County
- Manhattan Beach
- Oxnard
- Paramount*
- South Pasadena
- West Hollywood
- Westlake Village

*(LA County Site)*

* Site selections are not final until an MOU is executed

- Jun 2021-Jul 2022: Site Visits, MOU Executions
- Aug 2022: Launch RFO #1
- Oct 2022: RFO Evaluation and Selection
- Q4 2022: PPA Negotiation, Board Approval
- 2023: Break Ground (anticipated)
Power Response
Power Response Overview

Power Response encourages both residential and commercial customers to reduce energy usage during demand response events, when electricity is at its highest.

Residential enrollment has grown steadily since program launch in late January 2022

- Nearly 1,000 customers have enrolled
- More than 2,000 potential customers having initiated enrollment

Program Budget: $3.15M
- Program Implementation
- Devices
- Incentives

<table>
<thead>
<tr>
<th>Customer</th>
<th>Smart Thermostat</th>
<th>EV Chargers</th>
<th>Solar &amp; Battery Storage</th>
<th>Behavioral Demand Response</th>
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<tbody>
<tr>
<td>Residential</td>
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<tr>
<td>Small Business</td>
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</tr>
<tr>
<td>Medium Business</td>
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✓ - Deployed  ✓ - Soon to Launch
Scaling Power Response

Next Steps

- Continuing to prioritize low income and disadvantaged community engagement:
  - Behavioral Demand Response (BDR) program segment to launch to support enrollments

- Marketing continues to drive engagement:
  - Trade Ally partnerships supporting enrollments through in-app and email marketing
  - CPA direct marketing to continue with email, website updates, and direct outreach

- Expanding program offerings:
  - New technologies to expand eligibility
  - Scaling customized offerings to specific customer segments
Electric Vehicle Charger Incentive Program
Electric Vehicle Charger Incentive Program

Overview

- CPA programs in both Ventura and Los Angeles Counties
- $1.53 million in CPA investment has leveraged $14.95 million in state funding
- 50%-60% of funds reserved for disadvantaged communities (DAC)/ low-income communities (LIC)
- Chargers are automatically enrolled in demand response

Status

- Ventura launched August 2021, $3.6 million reserved, 1.2 million remaining, first Level 2 installations began Q2 2022
- Los Angeles launched April 2022 with $13.2 million available, funds reserved within 5 minutes
- Future CPA funding and investments will consider statewide investments and regional market gaps

<table>
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<tr>
<th>Charger Type</th>
<th>Eligible Rebates</th>
<th>Max Rebate / Adders</th>
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<td>DC Fast 50-99.99 kW</td>
<td>Base rebate $30,000</td>
<td>DAC/LIC $40,000</td>
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<tr>
<td>DC Fast 100 kW+</td>
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<td>DAC/LIC $80,000</td>
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<td>Level 2</td>
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<td>DAC/LIC Additional $500</td>
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<td>MUD Additional $2,000</td>
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Building Electrification
Building Electrification Reach Codes

What are Reach Codes?

Reach codes are local standards that go beyond state minimum requirements for energy use and EV infrastructure in building design, construction, and upgrades. Benefits of reach codes include lower costs, improved internal air quality, lower risk of fire, reduced GHGs.

Program Overview

Program is currently in design phase

May include: model codes, education on code benefits, education for contractors, financial incentives, and technical and adoption support for new construction, existing buildings and EV infrastructure

Would be open to all CPA members

Budget TBD

CPA is tracking upcoming state and IOU funding
Reach Code Survey Responses

Survey Overview and Outcomes

- Two rounds of survey emailed in March
- Phone call outreach conducted in April
- 24 total respondents
- 18 jurisdictions interested in workshops or adoption/technical support
- Broad interest in new construction reach codes
- 5+ local governments currently working on new construction reach codes independent of CPA program

Survey Responses

<table>
<thead>
<tr>
<th>Los Angeles County</th>
<th>Ventura County</th>
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</thead>
<tbody>
<tr>
<td>Arcadia, Beverly Hills, Calabasas, Culver City, Downey, Carson, Hawthorne, Los Angeles County, Malibu</td>
<td>Manhattan Beach, Rolling Hills Estates, Santa Monica, Sierra Madre, South Pasadena, Temple City, West Hollywood, Whittier</td>
</tr>
<tr>
<td>Moorpark, Ojai, Oxnard, Thousand Oaks</td>
<td>Simi Valley, Ventura, Ventura County</td>
</tr>
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</table>
Reach Code Program Timeline & Survey Learnings

Timeline & Next Steps

- **Q2 2022**
  - Develop and release RFP

- **Q3 2022**
  - Consultant selection

- **Q3/Q4 2022**
  - Launch program

- **Q4 2022 – Q2 2023**
  - Develop model codes
  - Adoption support

Learnings from Survey

- Follow-up phone calls for better response rates
- Many LA County jurisdictions will adopt, or consider adopting, Los Angeles County reach codes
- Broad interest and existing movement for new construction reach codes in CPA territory
- Some interest in existing building codes, but little current movement in CPA territory
- Some jurisdictions already leveraging technical support from SCE
Power Share
Power Share Overview

- Two program components: Disadvantaged Community Green Tariff (DAC-GT) and Community Solar Green Tariff (CS-GT)
- The Power Share program provides CARE/FERA eligible customers who live in disadvantaged census tracts with 100% clean electricity and a 20% bill discount on top of their CARE/FERA discount
- Enrollment is free and does not require any installations or upgrades
- California Public Utility Commission funded program - $8.9M in total funding (2021-2023)
- Program started in Feb 2021

<table>
<thead>
<tr>
<th>DAC-GT Capacity</th>
<th>Community Solar Capacity</th>
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<tbody>
<tr>
<td>12.19 MW</td>
<td>3.37 MW</td>
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## Power Share – DAC-GT

<table>
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<tr>
<th>Agencies with DACs</th>
<th>Eligible</th>
<th>Enrolled</th>
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<tr>
<td>Alhambra</td>
<td>3,148</td>
<td>88</td>
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<tr>
<td>Carson</td>
<td>5,188</td>
<td>248</td>
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<td>Culver City</td>
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<tr>
<td>Downey</td>
<td>5,112</td>
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<td>Hawaiian Gardens</td>
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<td>245</td>
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<td>Hawthorne</td>
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<td>Los Angeles County</td>
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<td>Oxnard</td>
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<td>Paramount</td>
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<td>165</td>
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<td>Santa Monica</td>
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<td>48</td>
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<td>Temple City</td>
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<td>0</td>
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<tr>
<td>Ventura</td>
<td>1,426</td>
<td>49</td>
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<tr>
<td>Ventura County</td>
<td>515</td>
<td>2</td>
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<tr>
<td>Whittier</td>
<td>2,162</td>
<td>84</td>
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<tr>
<td><strong>Totals</strong></td>
<td><strong>89,953</strong></td>
<td><strong>2,564</strong></td>
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Estimated Enrollment Target: 6,800
Power Share – Community Solar

Overview

- Similar to DAC-GT but prioritizes residents that live within 5 miles of the community solar site with a priority on community engagement.
- Community Solar projects require a community sponsor (public agency, non-profit, CBO) to assist with community outreach.

Community Solar Status

- RFO for projects currently open.
- Proposals due on June 1st, 2022.

Example of project site at Community Sponsor location.
Power Share – Program Outreach

Next Steps

- Marketing and outreach materials are being sent to eligible customers monthly
  - Testimonials, flyers, press releases, social media posts
  - Physical mailers are being sent out this month
- Community based organizations will be conducting outreach and enrollment. Currently working with 2 CBOs
  - Developing new materials to help target areas with high density of eligible customers
  - One CBO focused on Oxnard and Ventura, the other focusing on San Gabriel Valley
- Created a partner pairing list to share contacts and encourage collaboration for Community Solar proposals
Workforce Development
Workforce Development Overview

- Funding from the 2019 Mojave Wind PPA
- Goal: to create a trained workforce for emerging solar, battery and EV infrastructure technologies
- Programs focus on underrepresented, low-income and union workers
- CPA provides $1,000,000 for trainings in LA and Ventura Counties over 4 years
- Current Phase 1 programs account for approximately 40% of available funds
Workforce Development Programs

Program 1: Microgrids
- Administered through Los Angeles Clean Tech Incubator (LACI)
- Funding will go to trainers to provide skills to operate, monitor and maintain microgrid systems, and teach students about high-level sizing and feasibility analysis
- Training began April 25, 2022
- Funding for 40 students, 20 internship placements

Program 2: Smart Buildings
- Funding will go to two trainers: Los Angeles Electrical Training Institute (ETI) and Ventura County Electrical Joint Apprenticeship Training Committee (VCEJATC)
- Funding 17 classroom training devices to support 200 students
- Part of Western Electrical Cybersecurity Apprenticeship Training (WECAT) funded through Department of Labor
- WECAT focuses on network and power system security including multi-path wiring, granular networking and cybersecurity controls
Lessons Learned and Next Steps
Lessons Learned

- Program success is a team effort! Internal and external partners contribute greatly
- Most programs are in early-stage implementation or development
- Program development & launch can take time
- Challenges - Pandemic related delays in Outreach & Job Market

Next Steps

- Building trusted relationships with customers, and learning about their specific needs
- Streamlining and deepening Member Agency engagement
- Building out dashboards & program mapping
- Mid-term strategic plan review in 2022/23 (2.5 years into 5-year plan)
Community Advisory Committee Feedback

- Outreach & Engagement on Existing programs
- Mid-term Strategic Review
- Other Thoughts?
Questions