



Clean Power Alliance Programs Update

May 19, 2022



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

Local Programs Strategic Plan

- ⚡ 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

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

Customer	Smart Thermostat	EV Chargers	Solar & Battery Storage	Behavioral Demand Response
Residential	✓	✓	✓	✓
Small Business	✓	✓		
Medium Business	✓	✓		✓
Large C&I		✓	✓	✓
Multi-Family	✓	✓		

✓ - 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

Charger Type	Eligible Rebates	Max Rebate / Adders
DC Fast 50-99.99 kW	Base rebate	\$30,000
	DAC/LIC	\$40,000
DC Fast 100 kW+	Base rebate	\$60,000
	DAC/LIC	\$80,000
Level 2	Base rebate	\$3,500
	DAC/LIC	Additional \$500
	MUD	Additional \$2,000

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 Codes Member Survey

4. General Interest in Reach Code Concept

* 3. If CPA pursues a program that provides technical support for creating customized reach codes for your jurisdiction, would your jurisdiction be interested in participating?

Other (please specify)

4. If you are not able to determine your jurisdiction's interest in this reach code program at this time, what other information would be helpful?



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

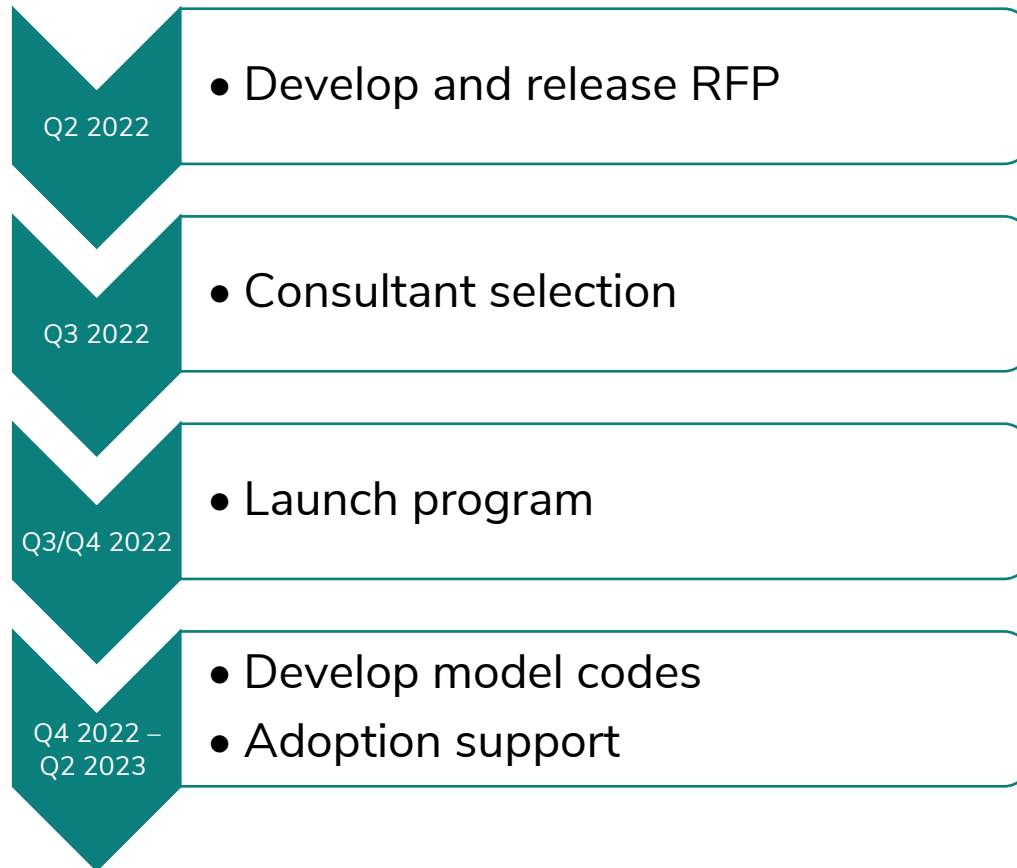
Survey Responses

Los Angeles County	
Arcadia Beverly Hills Calabasas Culver City Downey Carson Hawthorne Los Angeles County Malibu	Manhattan Beach Rolling Hills Estates Santa Monica Sierra Madre South Pasadena Temple City West Hollywood Whittier
Ventura County	
Moorpark Ojai Oxnard Thousand Oaks	Simi Valley Ventura Ventura County



Reach Code Program Timeline & Survey Learnings

Timeline & Next Steps



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

DAC-GT Capacity	Community Solar Capacity
12.19 MW	3.37 MW



Power Share – DAC-GT

Agencies with DACs	Eligible	Enrolled
Alhambra	3,148	88
Carson	5,188	248
Culver City	443	26
Downey	5,112	138
Hawaiian Gardens	1,132	245
Hawthorne	6,140	234
Los Angeles County	55,060	1,440
Oxnard	2,317	37
Paramount	5,929	165
Santa Monica	1,375	48
Temple City	6	0
Ventura	1,426	49
Ventura County	515	2
Whittier	2,162	84
Totals	89,953	2,564
Estimated Enrollment Target: 6,800		



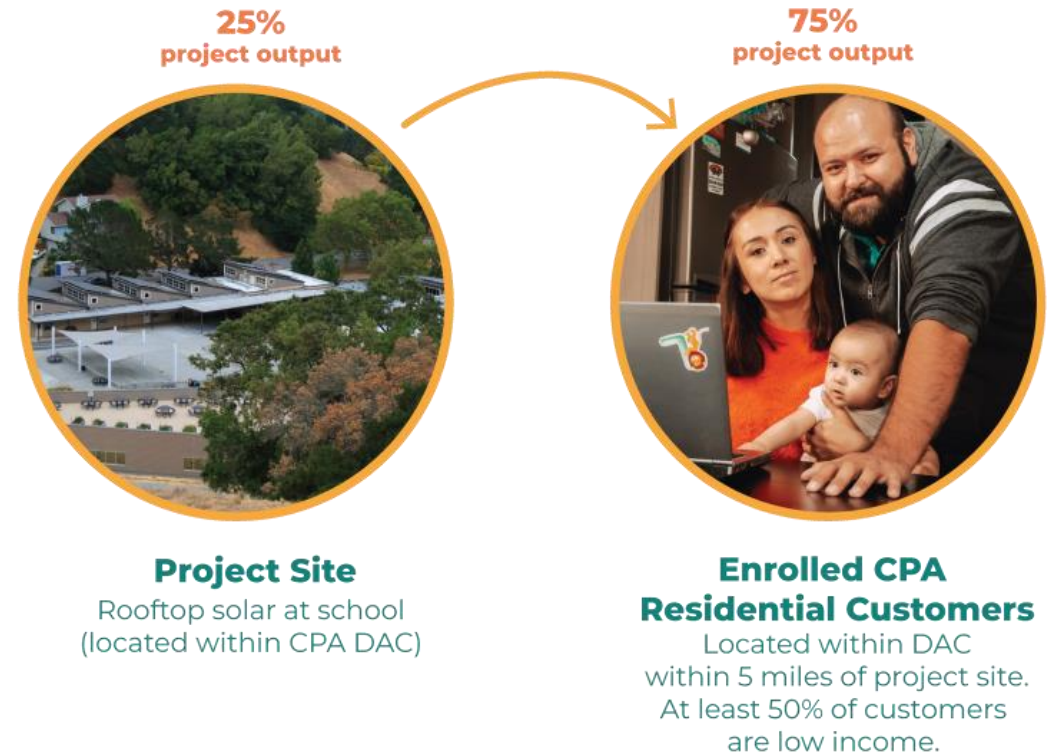
Power Share – Community Solar

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