CALIFORNIA AGGREGATOR
News and Updates from the California Community Choice Association

DRIVING CHANGE

CalCCA’s Virtual Annual Meeting
10,000 MW in Clean Energy PPAs
Visiting the Advanced Energy Center

INSIDE
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- 10,000 MW in Clean Energy PPAs
- Visiting the Advanced Energy Center

Geof Syphers, CEO of Sonoma Clean Power, and Beth Vaughan, executive director of CalCCA, at SCP’s new Advanced Energy Center in downtown Santa Rosa.
OPENING LINES

This time of year always invites contemplation as we reflect on the ups and downs of the last 12 months and map out a path forward for the year ahead.

As I look back on 2021, I am proud of what CalCCA has accomplished, especially our ability to skillfully address the policy needs of our growing membership in California’s challenging regulatory environment and amid a pandemic that has had tremendous impacts on all of our operations. We’ve added new staff and new policy-focus areas, leveraged the tremendous skills of our members as subject-matter experts within the industry, and continued to work collaboratively with industry stakeholders to advance common objectives.

I am also gratified that CalCCA’s virtual annual meeting on December 1 was well attended—with close to 500 participants—and that so many took advantage of the opportunity to connect with friends and colleagues. We truly appreciate the positive energy that everyone brought to the meeting! Special thanks to our speakers and sponsors for helping to make the event a success.

While we’re proud of our accomplishments to date, we have a challenging road ahead. As I noted in my address at the annual meeting, as CCA market share increases, we must play a more active and central role in the energy policy space, supporting changes that strengthen and provide value to the electricity sector and move California toward its climate goals.

There is no doubt in my mind that there is greater confidence in the CCA model than there was five years ago when CalCCA was founded. I predict that this confidence will grow as CCAs continue to aggressively advance new clean energy resources and decarbonization programs while demonstrating their financial viability. And it will grow as we build coalitions and the capacity to partner with legislators, stakeholders, regulators, and the utilities to address complex policy issues and design a successful pathway to achieve our shared goals.

We look forward to working with all of you as partners in shaping California’s energy future.

Stay well,

Beth Vaughan
Executive Director, CalCCA

“We know all too well that climate action can’t wait. But I’m proud that our state has led the nation in the transition to renewable energy and a green future and community choice aggregators have played a critical role in that work.” —California Senator Alex Padilla, CalCCA Annual Meeting
QUICK TAKES

• Andrew D. Mills has joined CalCCA as Electricity System Modeler. Andrew was previously staff scientist in the Electricity Markets and Policy Department at Lawrence Berkeley National Laboratory, where he led U.S. Department of Energy-funded research with a focus on grid reliability, utility planning, valuation of emerging technologies, and infrastructure needs for wind and solar. Please join us in welcoming Andrew to the CalCCA team!

• Senator Anthony J. Portantino (D–La Cañada Flintridge) has received the 2021 CCA Champion Award. In selecting Senator Portantino for the award, CalCCA recognizes his steadfast efforts and leadership to combat climate change, his support of long-term sustainable clean energy, and his authorship of Senate Bill 612. He received the award December 1 at CalCCA’s virtual annual meeting.

• California CCAs have to date signed long-term power purchase agreements for almost 10,000 MW with new-build clean energy resources, adding more than 3,000 MW in the last year, CalCCA announced November 3. A map of project locations and a list of contracts can be found here.

• CalCCA received the 2021 Green Power Leadership Award from the Center for Resource Solutions in recognition of the outstanding leadership role California’s CCAs are playing to build and grow the voluntary market for renewable energy. CRS presented the award to CalCCA in September at the annual Renewable Energy Markets conference.

Status Update: CCA New-Build Resources

As of November, 21 CCAs have collectively signed 162 long-term PPAs for a combined 9,827 MW of new solar, wind, biogas, geothermal, and energy storage. The contracts, executed over the last decade, encompass almost 7,200 MW in renewable energy PPAs and more than 2,600 MW in battery energy storage. Several of the projects are already operating, while others will come online between 2022 and 2024. The graph to the right shows the capacity and types of energy resources procured by CCAs and their online years.
CalCCA VISITS ADVANCED ENERGY CENTER

CalCCA hit the road in October to visit Sonoma Clean Power’s newly opened Advanced Energy Center. The innovation hub in downtown Santa Rosa, funded in part through the CEC’s Electric Program Investment Charge (EPIC) program, showcases energy-saving appliances and products, a classroom for events and classes, an induction cooking test kitchen, and a children’s play space. SCP is providing $2 million in incentives, 0% on-bill financing, and hosts an online contractor matching tool to spur market adoption of carbon-free technologies. The Center has already welcomed hundreds of visitors for guided tours, educational classes and special events. You can plan an in-person or virtual visit here.

A fully functional induction cooking kitchen is one of the center’s many demonstration/education spaces.

The center features a children’s play zone and mini-Teslas for the next generation of clean energy enthusiasts.

The Switch EV, on display at the energy center, is made from a kit that students can build in their classrooms.

CalCCA and Sonoma Clean Power staff pose for a group photo at the center. Thank you for hosting us, SCP!
San Diego Community Power (SDCP) launched municipal service March 1, commercial and industrial service June 1, and will launch residential service in early 2022. Established to serve approximately 800,000 customers in Chula Vista, Encinitas, Imperial Beach, La Mesa and San Diego, SDCP recently added an additional 187,000 customers with a San Diego County Board of Supervisors vote to join the CCA. Formerly the chief sustainability officer for the City of San Diego, Cody Hooven was instrumental in creating SDCP and now serves as its chief operating officer. Below is our interview with Hooven.

CalCCA: Can you provide an update on what SDCP has accomplished in the last year?

Hooven: It’s been a real whirlwind of a year! We have gone from being a startup in planning mode to a fully operational service provider in the last 12 months. We started by building a core internal team, and from there, engaging with San Diego Gas & Electric and establishing our Customer Advisory Committee. We had a successful municipal rollout and followed that up by delivering clean, renewable energy options to businesses in our region.

We have also signed three long-term power purchase agreements with leading renewable energy providers to provide flexibility and resiliency to the local energy grid. The three projects will generate a combined 340 MW of solar energy and 220 MW of battery storage, designed to deliver power during the evenings and help shift the region away from its reliance on natural gas.

CalCCA: What are some unique benefits or challenges that SDCP is addressing?

Hooven: As one of the largest CCAs in the state, we serve a diverse area with a wide range of unique community concerns and needs. As we develop our community reinvestment programs, we are very focused on ensuring transparency, equity, and equal access to our programs.

We are also very focused on ensuring our PPAs are as local as possible and looking to balance energy generation with battery storage capabilities. We are thrilled to have signed our first three clean energy generation agreements as we quickly and effectively add solar energy and battery storage resiliency to the regional grid.

CalCCA: What were your five member cities’ main reasons for going with a CCA?

Hooven: When we formed our JPA in 2019, the driving reasons for joining us were cost-competitive rates, local choice and control, our not-for-profit structure that guarantees community reinvestment, support for local workers, and our clear path to 100% clean energy.

On September 1, the County of San Diego voted to join SDCP. That vote was driven by those same reasons as well as our sound financial management, strong team, and local clean energy development. The county also pointed to our 2% opt-out rate as a critical decision factor.

CalCCA: What are you most focused on now as you prepare to launch residential service?

Hooven: Educating residents on the value and choice we provide continues to be a top priority. Energy is a very complicated, highly regulated industry, and our customers are not used to having choice or an advocate that represents their interests. We are working to let them know we are not only reliable and cost-competitive but also provide energy that is cleaner and better for our shared future.
UPDATES FROM CALIFORNIA’S CCAs

CALIFORNIA CHOICE ENERGY AUTHORITY

Launched in 2017 by the cities of Lancaster and San Jacinto, the California Choice Energy Authority (CalChoice) helps cities in Southern California Edison territory participate in Community Choice Aggregation. CCA programs associated with CalChoice include Lancaster Choice Energy (LCE), San Jacinto Power (SJP), Apple Valley Choice Energy (AVCE), Baldwin Park Resident Owned Utility District (BPROUD), Pico Rivera Innovative Municipal Energy (PRIME), Pomona Choice Energy (Pomona Choice), Rancho Mirage Energy Authority (RMEA) and Santa Barbara Clean Energy (SBCE).

Smart Home Device Pilot Program
Two of CalChoice’s member CCAs, SJP and Pomona Choice, are partnering with Emporia, Zero Net Energy Alliance and Ecoshift Consulting to offer a Smart Device Pilot Program. The pilot is designed to enable the deployment of smart devices including load-monitoring devices, smart plugs and smart electric vehicle chargers. CalChoice CCAs will access free and discounted smart devices that provide real-time customer data and can enable load shape and shift services. This pilot will lay the foundation for future pay-for-performance energy-conservation and demand-response programs that can drive operational cost savings for member CCAs and customer savings.

OhmConnect Smart Thermostat Program
OhmConnect is partnering with participating CalChoice CCAs in a co-marketing effort to offer free smart thermostats to residential customers through the end of 2021. To help end California blackouts, OhmConnect is offering a free smart thermostat to customers to participate in energy savings events. OhmConnect’s overall goal is to install 1 million smart thermostats in California, which can save 950 MW of energy—nearly twice the shortfall that caused rolling blackouts in August 2020. Customers will not only save on their energy costs, but are eligible to receive OhmConnect rewards when participating in events.

Joint CCA Disadvantaged Community Green Tariff Program
The California Public Utilities Commission on September 9 approved three advice letters filed by CalChoice on behalf of associate members LCE, PRIME and SJP, requesting permission to implement a joint Disadvantaged Community Green Tariff (DAC-GT) program, which will offer eligible customers a 20% discount on 100% renewable energy. The CPUC allotted the joint CCAs a total combined capacity of 1.31 MW for the shared DAC-GT program. As part of the program, the joint CCAs will be required to install a new solar generating facility located within a disadvantaged community in SCE territory, preferably within one of the joint CCA service areas. CalChoice intends to issue a solicitation for the new facility construction in early 2022.

CalChoice Partners with TerraVerde on Solar and Battery Program
CalChoice has partnered with TerraVerde Energy to bring an innovative solar and battery program to its member cities: the Town of Apple Valley, the City of Baldwin Park, the City of Lancaster, the City of Pico Rivera, the City of Pomona, the City of Rancho Mirage, the City of San Jacinto and the City of Santa Barbara. The program’s primary focus will be to deliver dispatchable systems to large commercial and industrial customers, local government agencies offering critical resiliency and/or emergency services, small and medium commercial customers, and net energy metering customers. Secondarily, the program will focus on offering energy storage programming to residential customers.
CalChoice’s goal through the strategic deployment of battery storage systems is to increase local energy reliability and resiliency. The program will also support associate members in their ongoing efforts to provide customers an affordable portfolio of clean energy options.

CalChoice selected TerraVerde through a competitive process that sought qualified firms to submit proposals for customer programs that could increase local resiliency and enhance CalChoice’s load-management and decarbonization strategies, while supporting statewide efforts to improve overall grid health.

City of Pico Rivera Selected for California Contract Cities Association Award
The California Contract Cities Association at its annual Fall Educational Summit on September 18 presented the City of Pico Rivera with the John Todd Award, an award that recognizes the city for its successful partnership with CalChoice in launching Pico Rivera Innovative Municipal Energy (PRIME). The association grants the award annually to cities that have implemented a project or program that exemplifies the benefits of the contracting model.

Contract Cities selected Pico Rivera for the award due to several achievements. Notably, PRIME has a high participation rate and extensive community support, and customers benefit from long-term energy cost savings. Additionally, the program has helped reduce greenhouse gas emissions at a rate that far exceeds state mandates. PRIME’s Local Development and Sustainability Business Plan is currently guiding the development of other sustainability initiatives, including the development of an Electric Vehicle Supply Equipment Master Plan and the deployment of solar and battery storage projects at city facilities.
Central Coast Community Energy (CCCE) is a public agency that sources competitively priced electricity from clean and renewable energy resources. CCCE serves more than 440,000 customers throughout the Central Coast in communities located within Monterey, San Benito, San Luis Obispo, Santa Barbara and Santa Cruz counties. Learn more at [3CEnergy.org](http://3CEnergy.org) and on social media, including Facebook, Instagram, and Twitter @3CEnergy.

**CCCE Power Supply Update**

**New local energy storage projects in Monterey and Santa Barbara counties:** CCCE has announced four new energy storage projects located within its service area. The projects, which are expected to reach commercial operation in 2026, came to fruition in response to CCCE’s Local Energy Storage Resiliency Project Request for Proposals, issued in June. CCCE received a total of 21 proposals from 16 developers. Three of the four projects, developed by local firm Concentric Power Inc., will utilize long-duration vanadium redox flow batteries. Two additional storage projects are still under consideration in San Benito and Santa Cruz counties, one of which includes solar generation.

* **Bodega Energy Storage LLC:**
  - Developed by Concentric Power Inc.
  - 8.5 MW of vanadium redox flow energy storage capacity.
  - 8-hour discharge duration.
  - Expected delivery start date is 6/4/2025.

* **Green Valley Energy Storage LLC:**
  - Developed by Concentric Power Inc.
  - 11.5 MW of vanadium redox flow energy storage capacity.
  - 8-hour discharge duration.
  - Expected delivery start date is 6/4/2025.

* **Rava Mesa Energy Storage LLC:**
  - Developed by Concentric Power Inc.
  - 6.8 MW of vanadium redox flow energy storage capacity.
  - 8-hour discharge duration.
  - Expected delivery start date is 6/4/2025.

* **RPCA Storage 1 LLC:**
  - Developed by Renewable Properties.
  - 36 MW of lithium-ion energy storage capacity.
  - 4-hour discharge duration.
  - Expected delivery start date is 6/4/2025.

**California’s largest solar-plus-storage project begins operations Dec. 21:** The Slate 1 project, located in Kings County and developed by Recurrent Energy, will provide 150 MW of solar capacity, plus 45 MW of storage, for a 15-year term. Likely within months of Slate 1 becoming operational, the Big Beau solar-plus-storage project, located in Kern County and developed by EDF Renewables North America, will begin commercial operation, providing an additional 128 MW of solar capacity with 40 MW of storage as part of a 20-year agreement. Both projects are part of joint procurement agreements between CCCE and Silicon Valley Clean Energy (SVCE), and will make significant contributions to California’s grid stability.

**Front-of-the-meter distributed energy storage effort:** In following up on increased resource-adequacy costs and the drive to develop more distributed resources, CCCE has launched its first phase of a multi-year effort to contract for and site 100 MW of front-of-the-meter distributed energy resources. CCCE is working with its 33 member agencies to identify and locate 1 MW to 5 MW of distributed energy resources. These resources will enhance grid reliability by addressing the intermittency of renewable resources. Additionally, the location of these resources near member-agency critical facilities will also provide member agencies with greater potential access to Pacific Gas & Electric’s Community Microgrid Enablement Tariff and Southern California Edison’s equivalent effort, when approved, which provides greater local resiliency by enabling islanding in the event of outages or shutoffs.
Community energy agencies contract for 778 MW of renewable energy and 118.75 MW of storage: CCCE and SVCE have executed seven power purchase agreements, equating to 778 MW of energy generation between the two Community Choice Aggregators. These long-term contracts are a result of requests for offers jointly issued by the CCAs in 2019 and 2020.

CCCE Energy Programs Update

Electrify Your Ride – On November 9, CCCE launched an updated version of its Electrify Your Ride program, making $2.85 million available to all CCCE customers through rebates for purchased or leased new and pre-owned electric vehicles. This program also incorporates rebates for Level 2 EV chargers, as well as related home electrical upgrades—such as panel upgrades and wiring—to support EV Readiness. Other key improvements to this year’s program include enhanced rebate levels for income-qualified customers who are not eligible for CARE/FERA and rebates for e-bikes. Designed to be a “one-stop shop,” the program meets customers where they are by allowing them to choose any or all rebate opportunities, even if they are just starting with EV Readiness. CCCE member agencies will have the option to reserve funding under the program for future fleet EV purchases, as well as the purchase and/or installation of EV chargers.

School Bus Electrification – On October 5, CCCE launched the third iteration of its program to fund electric school bus adoption throughout the Central Coast. This program is intended to reduce GHG emissions from school buses, as well as eliminate harmful pollutants emitted by traditional diesel buses near students. The program provides public schools and school districts enrolled in CCCE service with an opportunity to receive funding for up to 50%, not to exceed $200,000, of the total cost of an electric school bus. The school or school district must demonstrate ability to provide a minimum of 50% matching funds to complete the bus purchase after the CCCE incentive. Schools designated as Title 1 schools will receive priority funding.

New Construction Electrification – On October 5, CCCE launched the third iteration of its New Construction Electrification Program. Through a first-come, first-served application process, the program will provide affordable housing developers with incentives to build all-electric housing. As in previous iterations of the program, housing projects must be built to all-electric standards for all energy utility needs, including but not limited to water heating, space heating and cooking appliances. This year, however, incentives will be available only for affordable housing units. A $2,500 incentive will be provided on a per-unit basis, up to a project maximum of $150,000, and will be provided “downstream” to developers upon successful completion of the project.

Agriculture Electrification – On October 5, CCCE launched the third iteration of its Agriculture Electrification Program, targeting the CCCE service area’s largest industry. CCCE is providing incentives to the agricultural sector for the purpose of switching irrigation pumps, refrigeration, harvesting equipment, and other utility vehicles and farm tools from fossil fuels to cleaner all-electric alternatives. Ag electrification reduces GHG emissions, eliminates harmful pollutants emitted by traditional diesel equipment.
near farm workers, and deploys more-efficient technology requiring less maintenance. The program’s incentive is open to customers whose primary business is agricultural production and/or processing. This year, proposed projects will be eligible for up to 70% to 100% of the total project cost, not to exceed $30,000, to support electrification/fuel-switching costs. Applications submitted by small businesses with higher-impact projects—in terms of GHG emissions reductions—will be supported by the highest incentive levels.

CALeVIP–South Central Coast Incentive EV Infrastructure Project – Following up on the successful Central Coast Incentive Project, CCCE in coordination with state and regional funding partners launched the CALeVIP–South Central Coast Incentive Project in early August. Implemented by the Center for Sustainable Energy, this program provides incentives for publicly accessible electric-vehicle charging infrastructure to accelerate and support the adoption of EVs. CALeVIP will make a total of $12 million in funds available over two years in San Luis Obispo, Santa Barbara and Ventura counties. CCCE is providing $1.75 million with its funds available to CCCE customers and 50% of the funds dedicated to disadvantaged and low-to-moderate-income communities.

CCCE Enrollment & Expansion Update
CCCE successfully transitioned another 40,000 customers living and working in the cities of Carpinteria and Goleta and in unincorporated South Santa Barbara County in SCE’s service territory. The enrollment marks a historic first time for any CCA to serve customers across two investor-owned utility territories (PG&E and SCE). The additional customers bring CCCE’s customer base to an estimated 440,000 customers throughout the Central Coast, and CCCE will be adding another 6,000 customers from the City of Buellton and customers on the net energy metering program in January 2022.

CLEAN POWER ALLIANCE

Clean Power Alliance serves approximately 1 million customer accounts in 32 communities across Los Angeles and Ventura counties. CPA provides 100% renewable energy to more customers than any other energy provider in the nation. To view CPA’s 2020 Impact Report, click here.

CPA Signs New Long-Term Solar–Plus–Storage PPA
In September, CPA announced the signing of a 15–year power purchase agreement with EDF Renewables North America for the Desert Quartzite solar–plus–storage project. The project consists of a 300 MW solar project coupled with a 600 MWh battery energy storage system, and is expected to begin delivery of clean electricity to CPA customers throughout Los Angeles and Ventura counties in early 2024. In all, the project will power more than 163,000 homes and avoid 669,000 metric tons of GHG emissions each year.

Solar–Plus–Storage Projects Generating Power for CPA
In October, CPA and the Renewable Power Group within Goldman Sachs Asset Management held a ribbon-cutting event in Victorville to commemorate the commencement of full operations at the High Desert solar–plus–storage facility. This project provides CPA with 100 MW of generation capacity and 50 MW of energy storage capacity. The High Desert facility will provide 300,000 MWh of clean power each year to CPA, enough to power 46,904 Southern California homes and avoid 72,660 metric tons of GHG emissions each year.
Representatives of CPA, Goldman Sachs and elected officials met at the High Desert facility for the event. Members of the Goldman Sachs team provided tours of the expansive state-of-the-art facility, comprised of 295,344 solar panels and 321 battery cubes. You can view the event recap video here.

In early November, CPA began receiving 100 MW of clean energy storage capacity from Terra-Gen’s Edwards Sanborn solar-plus-storage facility in Kern County. The 15-year contract adds flexible new-build storage capacity to CPA’s already diversified energy mix.

“The clean reliable energy we will receive from these facilities fits perfectly within our mission to improve the lives and environment of our customers and communities,” said Clean Power Alliance Executive Director Ted Bardacke. “Our Board has identified Solar-plus-Storage as being key to our continued growth and a means to further improve reliability for our millions of customers.”

**CPA and Calpine Team Up on Community Grants**

In August, Calpine Energy Solutions and CPA announced the Community Benefits Program, an innovative public-private partnership designed to provide financial support for local 501(c)(3) nonprofits working on clean energy. CPA helped recruit nonprofits from throughout its service area to apply. Calpine Energy Solutions provided the funding and selected the winners.

In November, eight community grants ranging from $8,000 to $12,518 were awarded to the following organizations: Active San Gabriel Valley, Climate Action Santa Monica, Columbia Memorial Space Center, U.S. Green Building Council, International Indigenous Youth Council, Clean Coalition, El Concilio Family Services, and Special Service for Groups. In total, the program awarded more than $75,000 in grants.
CleanPowerSF, a clean power program of the San Francisco Public Utilities Commission, offers renewable, affordable and accessible electricity to more than 380,000 residential and business accounts in San Francisco. To date, CleanPowerSF has contracted 467 MW of new wind and solar projects in California and signed three solar-plus-battery-storage contracts. CleanPowerSF delivers at least 50% Renewables Portfolio Standard-eligible renewable energy for its default Green product.

Work Underway for Disadvantaged Communities Green Tariff and Community Solar Programs
On September 13, CleanPowerSF posted an RFO, “2021 Disadvantaged Communities Green Tariff and Community Solar Energy Supplies,” to procure renewable energy resources for both programs. In addition, staff have been facilitating the identification of potential project sponsors for the Community Solar Program and have sent outreach emails, hosted informational webinars, issued a press release, attended community meetings, and created a dedicated webpage to solicit interest. Outreach will continue through the end of December.

Oasis Wind Project Now Serving CleanPowerSF Customers
The Oasis Wind Project reached commercial operation in October and is now serving CleanPowerSF customers. The 60 MW project, developed by Terra-Gen LLC, is located in Kern County. CleanPowerSF has recently committed to 467.9 MW of new wind and solar projects in California, enough to power the equivalent of over 430,000 average San Francisco homes.

Peak Day Pricing Pilot Program Concludes 2021 Season
CleanPowerSF’s Peak Day Pricing pilot program is a voluntary demand-response program that incentivizes large commercial customers to reduce their electricity consumption on Event Days between 4 p.m. and 9 p.m. when the grid is expected to be strained, typically due to high temperatures.

The 2021 season, which ended on October 31, saw a total of 31 accounts enrolled, representing a 55% increase compared to 2020. A midseason analysis showed that participants reduced a total of 18 MWh of electricity during the first four Event Days, surpassing the entire 2020 PDP season total response of 13 MWh. During the first four Event Days, on average, participants reduced their electricity demand by 14% relative to what their demand was expected to be had a PDP Event Day not been called.

Now that the 2021 season has ended, CleanPowerSF will calculate participants’ incentives and evaluate final program performance data. Incentive payments will be provided to customers in January 2022.
Launched in 2018, East Bay Community Energy serves approximately 635,000 customers in the cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Newark, Oakland, Piedmont, Pleasanton, San Leandro, Tracy and Union City. The unincorporated areas of Alameda County are also served by EBCE.

EBCE Brings 57 MW of Local Clean Energy On Line
EBCE staff, board members, colleagues and the media gathered in Altamont Pass near Livermore for a ribbon-cutting ceremony for the new Scott Haggerty Wind Energy Center. The 23-turbine, 57.5 MW facility will provide supply to EBCE’s Renewable 100 customers, and has annual production sufficient to power about 47,000 homes. “In just a few years, we’ve made great strides in bringing more affordable renewable energy and reinvesting our earnings back into the community to drive local green jobs, valuable programs, and more clean power projects,” said EBCE CEO Nick Chaset.

EBCE Offers Free Backup Batteries to Vulnerable Customers
The Medical Baseline Program offers low rates for residential customers who may depend on power for medical devices and supportive technologies. EBCE is working to reduce the impact of outages on our most vulnerable customers, and a first step is getting portable backup batteries into the homes of low-income customers on the Medical Baseline rate.

In spring 2021, EBCE sent a survey to its Medical Baseline customers to better understand their electricity-dependent medical-device and supportive-technology resilience needs. The results of that survey were outstanding, with over 600 customers responding in just one week. With this information, and EMPOWER data provided to EBCE by the Alameda County Public Health Department, EBCE scoped a new Medical Baseline Portable Backup Battery Pilot Program that launched this fall. The program has two components, both providing customers with a Goal Zero Yeti 3000X portable power station: 1) a free backup battery for low-income Medical Baseline customers and 2) a $1,000 rebate on the purchase of a backup battery.

As a first step in program development, EBCE procured 50 portable power stations and set up an internal rebate processing system. EBCE also partnered with Community Resources for Independent Living, a nonprofit disability organization, which helped EBCE with storage and delivery of the backup batteries to customers’ homes.

In early October, the free backup battery was offered to EBCE’s low-income Medical Baseline customers on a first-come, first-served basis. All backup batteries were reserved within one month. Rollout of the rebate component of the program launched after the free backup battery offer, and was recently disseminated to all EBCE Medical Baseline customers.

Oakland Roots to Become Climate-Positive by 2022 in Partnership with EBCE
On September 16, Oakland Roots Soccer Club announced its commitment to being among the first professional soccer teams in the world to become climate-positive. This means that Oakland Roots will go beyond achieving net-zero carbon emissions by removing more carbon dioxide from the atmosphere than it emits.
The commitment builds on the club’s partnership with EBCE and was celebrated on its first “Climate Night” against Los Angeles Galaxy II on September 18.

“EBCE has sponsored Oakland Roots since they began in the East Bay in 2018 as a soccer club on a mission to be a model community partner,” said Chaset. “This announcement exemplifies Oakland Roots’ commitment to the environment through operational practices that reduce their impact, and then planting trees locally to make up for emissions that simply cannot be avoided. It is this dedication to the environment and the East Bay community that fundamentally connects EBCE and Oakland Roots.”

Roots has begun calculating the club’s carbon footprint and will set reduction targets that meet or exceed recommendations from the Intergovernmental Panel on Climate Change, the United Nations body for assessing the science related to climate change. For areas where Roots can’t currently reduce emissions (such as travel to away games by air), Roots will focus on purchasing offsets that support local tree-planting and environmental education efforts in Oakland.

Solar Discount Program
EBCE recently launched a new program to offer CARE and FERA customers living in disadvantaged communities an additional 20% discount on their electricity bills. Known as “Solar Discount,” the program will provide 100% solar energy and result in the buildout of over 5.7 MW of new local solar capacity, serving more than 1,600 customers. EBCE automatically enrolled eligible customers in September and is serving them with existing solar resources on an interim basis, until new local solar resources become operational. Use of these “interim resources” enabled EBCE to enroll customers right away and to deliver the program discount during a time of need. EBCE’s Solar Discount program is overseen by the California Public Utilities Commission as part of its Disadvantaged Communities Green Tariff (DAC-GT) program. EBCE applied to administer the program on behalf of its customers last year.

Score one for the planet: The Oakland Roots soccer team has committed to becoming climate-positive by 2022.
MCE offers cleaner, locally controlled, cost-competitive electricity options for more than 1 million residents and businesses in 36 Bay Area communities across Contra Costa, Marin, Napa and Solano counties. MCE provides customers with almost twice the amount of renewable energy compared to traditional electricity service and is 90% greenhouse gas-free. MCE customers are greening California’s electricity supply while helping invest in local energy programs. For more information about MCE’s services, visit mceCleanEnergy.org or sign up for our monthly eNewsletter.

2021 Impact Report
MCE’s 2021 Impact Report highlights the last year’s successes and shines a spotlight on its financial achievements as it moves into its second decade of clean energy service. Learn more about MCE’s programs, services and clean energy achievements here.

Low-Income Families & Tenants (LIFT) Program Benefits Customers
A recent study on MCE’s LIFT Program showed that the 680 participating households, to date, saved over $192 per year on their electric bills following the installation of high-efficiency electric heat pumps and various energy efficiency upgrades. The program also successfully served hard-to-reach income-qualifying customers located outside of designated disadvantaged communities.

2020 Renewable Energy Portfolio
MCE’s 2020 power content report highlights its commitment to renewable energy, offering customers a minimum of 61% renewable electricity compared to the California average of 33%. Almost three-quarters of MCE’s renewable electricity is sourced from within California, supporting our state’s clean energy economy.

MCE Announces $4 Million Energy Storage Loan Fund
MCE as part of its Energy Storage Program is partnering with the National Energy Improvement Fund to offer zero and low-cost financing with generous payback periods for income-qualifying customers to finance home energy storage systems.

Strauss Wind Project Under Construction
Construction of the Strauss Wind project, a 100 MW wind farm located near Lompoc in Santa Barbara County, is underway and the project will soon generate energy for MCE customers. Wind turbine blades, recently delivered to the project site, required a special truck to move the blades up, down, and side to side to negotiate turns and avoid obstacles. The delivery of the blades was such a spectacle that Lompoc residents, including a local school, turned out to watch.
Launched in 2016, Peninsula Clean Energy serves approximately 295,000 customers in San Mateo County, maintaining a 97% participation rate of eligible customers and providing 3,500 GWh of energy annually. Peninsula Clean Energy offers two service options: ECOplus, with 50% renewable and 100% GHG-free energy, and ECO100, with 100% renewable energy that is Green-e certified. Peninsula Clean Energy plans to offer 100% renewable electricity for all customers by 2025.

Geothermal and Solar-Plus-Storage Power Purchase Agreements
Peninsula Clean Energy inked three power purchase agreements in a significant move toward the agency’s goal of offering customers 24/7 renewable electricity.

An agreement was reached in September with Calpine Corp. to provide 35 MW of geothermal power starting in July 2022 from The Geysers, located north of San Francisco. This is the agency’s first geothermal power purchase agreement.

Also in September, Peninsula Clean Energy entered into its first solar-plus-storage PPA involving Leeward Renewable Energy’s Chaparral Solar Facility in Kern County. The 15-year agreement includes 102 MW of solar and 52 MW (208 MWh) of lithium-ion battery storage and is expected to start delivering energy by December 2023.

A second 15-year solar-plus-storage PPA was reached in November with Arica Solar LLC that includes 100 MW of solar and 50 MW (200 MWh) of lithium-ion battery storage. The project, located in Riverside County and developed by Clearway Energy Group, is expected to be operational in April 2024.

Home Upgrade Program
The Home Upgrade Program, launched in September 2021, provides income-qualified San Mateo County residents with no-cost appliance electrification, energy efficiency and other home repairs and upgrades. The upgrades include both clean electrification and efficiency, as well as other repairs to improve the health and safety of the homes. The goal is to assist 200 homes over two years, at an expected average budget of $6,500 per home.

Data Connect
In October, Peninsula Clean Energy launched Data Connect, a new free platform that allows commercial and residential customers to access data to better manage their energy use. Data Connect is built on a platform designed by Utility API, which based its platform on the federal Green Button data standard.

Recognizing All-Electric Leaders
Peninsula Clean Energy and New Buildings Institute launched the second annual call for submissions for entries for a joint awards program spotlighting all-electric building innovation across San Mateo County. Award submissions were due on November 17. Winners will be announced in the first quarter of 2022.
Launched in 2017, the Redwood Coast Energy Authority serves over 63,000 customers in Humboldt County, Eureka, Arcata, Fortuna, Ferndale, Blue Lake, Rio Dell and Trinidad. RCEA offers “REpower” 38+% renewable and “REpower+” 100% renewable and carbon-free energy service options.

Electric Vehicles/Clean Transportation

- RCEA launched Humboldt’s first-ever public rebate for residential Level 2 electric vehicle charging stations. The rebate amount is up to $500 per customer and is funded by RCEA’s Community Choice Energy program. The hope is that this will also encourage RCEA customers to consider purchasing an EV and take advantage of RCEA’s companion Electric Vehicle Rebate.

- All of RCEA’s EV charging stations have been rebranded with new artwork. RCEA now owns 27 stations at 13 locations, offering 52 ports. The newest of these locations is in the City of Arcata, which recently held a ribbon-cutting ceremony for four new stations (eight ports) at the Arcata Community Center.

- The California Energy Commission authorized a grant to RCEA to create a blueprint for medium- and heavy-duty zero-emission vehicle infrastructure deployment. This project will determine the most effective methods to increase MD/HD ZEV uptake on the North Coast and install related advanced fueling infrastructure in a rural setting, and to engage with key regional stakeholders through partnerships and outreach.

Offshore Wind

Secretary of the Interior Deb Haaland and White House Council on Environmental Quality Chair Brenda Mallory visited Eureka in August, along with U.S. Representative Jared Huffman, CEC member Karen Douglas, Tribal leaders and community officials to discuss offshore wind opportunities that will create jobs and strengthen the local economy. Secretary Haaland and the group toured the Port of Humboldt Bay, the largest deepwater port between San Francisco and Coos Bay, Oregon, which is being upgraded and retrofitted to meet anticipated needs of future floating offshore wind projects.
San Diego Community Power is the newest electricity provider to the cities of Chula Vista, Encinitas, Imperial Beach, La Mesa and San Diego. Formed in 2019, SDCP is committed to providing renewable energy choices at competitive rates and investing in equitable and innovative programs that benefit residents, businesses, the environment and the economy in our communities.

**National City and San Diego County to Join SDCP**

The City Council of National City voted on November 2 to become the newest member of SDCP. The vote follows the San Diego Board of County Supervisors’ action in September for SDCP to be the clean energy provider for communities in the unincorporated areas of the county. These new members will add over 200,000 new customer accounts to SDCP’s existing service area, totaling nearly 1 million customer accounts. Customers in National City and the unincorporated areas of San Diego County will begin receiving service during the spring of 2023.

**RFP for SDCP’s Community Power Plan Released**

On behalf of SDCP, Calpine Energy Solutions has issued a request for proposals for a Community Power Plan and Community Needs Assessment. The Community Power Plan will provide a decision-making framework to guide SDCP’s development of local programs based on community needs. This important strategy will allow SDCP to invest back into our communities and help achieve climate action goals. You can find more information on our solicitations page, here.

**Illumina Opt Up to 100% Renewable Energy**

In October, Illumina announced its decision to opt up to SDCP’s Power100 service tier. SDCP will provide all current San Diego-based Illumina facilities with 100% renewable, 100% carbon-free electricity, further cementing the company’s leadership in environmental stewardship for the life sciences industry. Illumina is a global company committed to deepening its impact on human health by serving as a champion for patients, the community and the planet.

**‘CHOICE’ WORDS**

“As we collectively step up our efforts to position California as a world leader in fighting climate change, it’s important to continue reshaping the energy landscape. Local governments through CCAs are innovating and driving much of the change we need to reach our climate goals.” — Senators Anthony J. Portantino, CalCCA Annual Meeting
SAN JOSE CLEAN ENERGY

San Jose Clean Energy serves approximately 350,000 customers in the City of San José (population 1.03 million). It launched service in February 2019 to most residents and businesses. SJCE’s total annual load is approximately 4 TWh and peak demand is approximately 1 GW. SJCE offers three clean energy options. GreenValue is SJCE’s lowest-cost service (same price as Pacific Gas & Electric) and is 36% renewable; GreenSource is SJCE’s standard service and is 55% renewable; and TotalGreen is SJCE’s premium service for 100% renewable energy.

SJCE Launches Solar Access, Its Disadvantaged Communities Green Tariff Program

SJCE is excited to announce the launch of its Disadvantaged Communities Green Tariff program, now known as Solar Access. Solar Access offers customers living in disadvantaged communities (DACs) a 20% discount on 100% solar energy. Close to 700 customers had applied for Solar Access as of early November, which is about 80% of the program’s enrollment capacity.

Outreach was highly targeted to eligible customers and was conducted in English, Spanish and Vietnamese using digital and non-digital tactics. To ensure all eligible customers had the opportunity to hear about Solar Access and apply, SJCE sent customers a trilingual mailer with a business reply card (BRC). The BRC allowed those without internet or email addresses to easily apply; SJCE received over 230 BRCs in all languages.

In addition, SJCE funded three community-based organizations (CBOs) to assist with outreach. The CBOs are invested in improving the lives of their clients and are trusted sources of information, which helps improve SJCE’s relationship with the community. CBOs helped identify the most appropriate outreach strategies for the communities they serve. Phone banking was the main tactic used to reach eligible customers and led to about 350 applications, including more than 300 applications from customers who speak a language other than English. SJCE also ran digital ads in target zip codes and emailed all eligible customers.

SJCE Receives Approval from CPUC to Implement Two Energy Efficiency Programs

SJCE recently received approval from the California Public Utilities Commission to implement two new local energy efficiency programs in San José: one for single-family homes and one for small businesses and schools. SJCE received $5.1 million to implement the programs over the next three years, and to further support the program, the City of San José will allocate $500,000 of federal coronavirus relief funding to supplement the single-family program.

The single-family program will target moderate-income customers and residents of DACs and provide discounts on new energy-efficient electric appliances and devices like refrigerators, freezers, clothes washers and dryers, dishwashers, room air conditioners, smart power strips, and smart thermostats. The second program will help small commercial buildings (e.g., restaurants and offices) and schools make important updates to their heating, ventilation and air conditioning (HVAC), refrigeration, and hot water distribution systems.
Both programs, expected to launch in early 2022, will help SJCE customers lower their energy bills, reduce emissions and improve comfort in their buildings.

**San José Wins OhmConnect’s City Energy Challenge**
Over the summer, SJCE encouraged its customers to sign up for OhmConnect, a demand–response platform that pays customers to reduce energy usage during critical hours. More than 3,500 San José residents signed up for OhmConnect this summer, saving over 55,000 kWh of energy. The signups led to the City of San José winning **OhmConnect’s City Energy Challenge** and $50,000 to distribute as scholarships. The funds will go toward **San José Aspires** micro–scholarships for youth in underserved neighborhoods.

**San José Sets Aggressive Goal to Be Carbon–Neutral by 2030**
On November 8, the San José City Council voted unanimously to set an aspirational goal to be carbon–neutral by 2030, making San José the largest U.S. city to adopt this goal. SJCE plays a crucial role in **Climate Smart San José**, the city’s climate action plan. SJCE’s Climate Smart goal is to offer 100% renewable energy by 2045. By offering 55% renewable energy as a default, SJCE is on schedule to meet both of these goals.

SJCE launched service in 2019 with the goal of bringing more renewable power options at competitive prices to San José. By taking control of the city’s power supply, building new renewable energy projects, and investing in new electric vehicle charging infrastructure, SJCE is making significant progress toward meeting the city’s climate action goals.

Pictured: SJCE’s new renewable energy projects. By 2022, SJCE’s investments will power 300,000 San José homes with renewable energy.

**CalCCA TIP**

Links to the videos, presentations, and program from CalCCA’s Virtual Annual Meeting on December 1 can be found [here](#).
Launched in April 2017, Silicon Valley Clean Energy serves 270,000 customers in Campbell, Cupertino, Gilroy, Los Altos, Los Altos Hills, Los Gatos, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Saratoga, Sunnyvale and unincorporated Santa Clara County. SVCE offers two carbon-free energy choices: GreenStart, procured from renewable and carbon-free sources, and GreenPrime, a 100% renewable, Green-e certified product.

Heat Pump Water Heater Rebate Program Reaches New Milestone
The SVCE FutureFit Heat Pump Water Heater (HPWH) program has helped fund the installation of more than 200 HPWHs at residences throughout the SVCE service area. The HPWH program provides rebates to customers who replace gas water heaters with efficient, electric HPWHs.

Phase 1 of the program launched in 2019 and was fully subscribed within 18 months, with 102 HPWH installations. Program evaluation for Phase 1 summarized results that included a reduction of 96.6 metric tons of carbon dioxide over the life of the HPWHs, an opportunity for local contractors to gain experience with HPWH technology, and the impact of incentivizing electrical panel upgrades. The Phase 1 program evaluation can be viewed here. Phase 2 of the program, launched in 2020, has a higher program enrollment rate, reaching 100 installations within 14 months. Learn more here.

Innovation Impact Report
In August, SVCE published the Innovation Impact Report, which highlights the key achievements of our innovation pilots. SVCE has invested $1.1 million in local clean-tech solutions, and to date, 2,400 customers have benefited from the technologies that have been deployed through innovation projects. Pilot projects range from increasing renter access to electric vehicle charging stations to streamlining clean energy projects by allowing customers to provide authorized access to their standardized energy data to third-party installers. Read the Innovation Impact Report here.

A Year of Digital Engagement with eHub Exceeds Expectations
In September, SVCE reached the one-year mark since launching eHub, an online resource center designed to take the guesswork out of going all-electric at home and on the road. The digital hub includes education from bite-sized snippets to in-depth resources on EVs, EV charging, key electric home appliances, and home solar-plus-storage systems. Through eHub, SVCE also hosts tools to help customers get connected to local solar-plus-battery installers; browse over 60 models of EVs and see how they can save money and emissions; and purchase efficient, electric appliances.

Through email marketing, advertising, sweepstakes and promotions, SVCE reached over 74,000 unique website visitors across eHub webpages and tools. Throughout the year, SVCE also ran promotions to help customers electrify. Some of these promotions and rebates included $50 off portable induction cooktops; $1,000 off electrical panel upgrades with battery installations; and $50 off portable power stations, air purifiers and evaporative coolers to help customers stay cool and be more resilient during summer heat waves and fire season.

Moving forward, SVCE will evaluate how eHub has helped increase customer awareness and education on electrification, and will continue to engage customers with eHub emails, promotions and additional engagement tools. Visit eHub here.
Sonoma Clean Power serves 229,000 accounts in Sonoma and Mendocino counties. SCP offers CleanStart 49% renewable/93% carbon-free electricity and EverGreen 100% local, renewable electricity. SCP enjoys an 87% participation rate. Our Mission: Sonoma Clean Power is turning the tide on the climate crisis, through bold ideas and practical programs.

**Advanced Energy Rebuild (AER)**
In late 2017, following devastating local wildfires, SCP partnered with the Bay Area Air Quality Management District and Pacific Gas & Electric to help those who lost homes rebuild them more efficiently and resiliently. In February 2018, the SCP board of directors approved up to $6 million in incentive funding for the resulting Advanced Energy Rebuild program. Then, in November 2019, the board approved the shift of $2 million of these incentives to Advanced Energy Build, a program aimed at the broader new-construction market.

Over 387 homes enrolled for Advanced Energy Rebuild, with 297 having completed the program to date. Of the total enrolled, there are 261 single-family homes, 96 multifamily units and 30 accessory dwelling units (ADU). AER homes perform 25% better than code and 30% are all-electric. In total, these homes are expected to add 620 kW of solar PV and 580 kWh in battery storage capacity.

**Bike Electric Program**
SCP launched the Bike Electric program with the goal of helping 200 lower-income customers purchase electric bikes. The program provided a $1,000 discount at the point of purchase on eligible models at over a dozen local retailers and our online partner Ridepanda. Over 400 customers purchased an e-bike through the program. SCP also partnered with Sonoma County Bicycle Coalition to give away 100 helmets and provide free bike safety classes.

**NBBJ Best Places to Work 2021**
For the third year in a row, SCP has been named one of the North Bay Business Journal’s Best Places to Work. Award winners are chosen based on surveys completed by staff, along with a review of the benefits package SCP offers and community involvement efforts.

**Successful Advocacy to Increase Public Safety Through PG&E Power Line Undergrounding**
Following two years of SCP advocacy, PG&E recently notified SCP that it completed undergrounding a short portion of the four distribution feeders through high-fire-threat districts (HFTD) in our service territory. This is a project that SCP has been strongly advocating for since 2019 due to its small work scope and large customer impact. Affected customers in this region of Santa Rosa have experienced more than four times as many Public Safety Power Shutoff events than the average SCP customer. SCP’s analysis has confirmed PG&E’s estimate that more than 11,000 homes in the area will no longer experience most PSPS events.
Valley Clean Energy launched in 2018 and serves over 62,000 customer accounts in the cities of Davis, Woodland and Winters and unincorporated Yolo County.

**VCE Signs 15-year Solar-Plus-Storage PPA for Willow Springs 3 Solar Facility**

VCE’s board approved a 15-year solar-plus-storage power purchase agreement in October involving Leeward Renewable Energy’s 72 MW solar and 36 MW battery storage facility (Willow Springs 3) in Kern County. The Willow Springs 3 project will supply enough electricity for about 27% of VCE’s 125,000 customers by the end of 2023. As part of the agreement, Leeward will contribute $200,000 to VCE’s local workforce development and sustainability efforts in Yolo and Kern counties to support local hiring and training.

**VCE Celebrates Local Groundbreaking at Putah Creek Solar Farm**

With the unveiling of a 3 MW solar-plus-storage farm west of Winters, VCE took another step toward its goal of providing more local renewable power generation for its customers. The 20-year agreement with Putah Creek Solar Farms LLC was approved by VCE’s board of directors last December. In addition to the Putah Creek Solar Farm, the VCE board also approved the Gibson Renewables project, which is expected to generate 20 MW of solar energy and provide 6.5 MW of battery energy storage. Commercial operation of that project, which is also located in VCE territory, is targeted for late 2022.

**VCE Partners with OhmConnect to Reduce California Blackouts**

VCE worked with OhmConnect over the summer and fall to get the word out on how customers can help to avoid blackouts. VCE publicized OhmConnect’s promotion of a free smart thermostat (up to $169.99 value) for any customer who connects their account to OhmConnect’s free demand-response platform. OhmConnect calls “OhmHour” events in which customers can earn cash or other rewards for shifting their usage during peak times of stress on the grid. VCE was excited about customer participation, which exceeded expectations, and looks forward to an Earth Day 2022 launch with OhmConnect.

Installation of solar panels at the Putah Creek Solar Farm in Winters.
CALCCA MEMBERS

- Apple Valley Choice Energy
- Baldwin Park Resident Owned Utility District
- Central Coast Community Energy
- Clean Energy Alliance
- Clean Power Alliance
- CleanPowerSF
- Desert Community Energy
- East Bay Community Energy
- Lancaster Choice Energy
- MCE
- Peninsula Clean Energy
- Pico Rivera Innovative Municipal Energy
- Pioneer Community Energy
- Pomona Choice Energy
- Rancho Mirage Energy Authority
- Redwood Coast Energy Authority
- San Diego Community Power
- San Jacinto Power
- San Jose Clean Energy
- Santa Barbara Clean Energy
- Silicon Valley Clean Energy
- Sonoma Clean Power
- Valley Clean Energy

AFFILIATE MEMBERS

- Butte Choice Energy
- City of Corona
- City of Hermosa Beach
- King City Conservation District
- Orange County Power Authority
- Tuolomne County