MATTHEW MARSHALL, CALCCA PRESIDENT AND EXECUTIVE DIRECTOR OF REDWOOD COAST ENERGY AUTHORITY, AND DAUGHTER ALEX AT THE GROUNDBREAKING OF THE REDWOOD COAST AIRPORT MICROGRID PROJECT.

INSIDE
• Clean energy building boom
• CCAs form new joint powers agency
• CalCCA turns five

SUMMER 2021
While California and the West continue to face multiple threats wrought by the pandemic, wildfires, drought conditions and, more broadly, climate change in general, it may be easy to overlook the positive work that is underway to address these difficult challenges.

In this report we highlight the progress that’s being made to deploy clean energy resources throughout California—energy supply that will help to meet demand during extreme heat events and support achievement of the state’s goal of a 100% clean electricity system.

California CCAs, in aggregate, have to date signed long-term power purchase agreements with clean energy projects totaling more than 8,000 MW. This edition of California Aggregator includes a special feature on the clean energy building boom that is underway due to the diversity of resources that CCAs and their clean energy partners are currently deploying, including wind, solar, geothermal, energy storage and microgrid technologies.

Ensuring California has the resource mix that is needed to achieve a clean, reliable electric supply also requires a focus on maintaining financial health through these challenging times. In the wake of Western Community Energy’s bankruptcy protection filing in May, CalCCA is taking proactive steps to develop a framework of industry practices and standards to bolster the stability and long-term viability of CCA operations.

Maintaining stability includes addressing customer debt as unpaid utility bills accumulated during the pandemic continue to grow. In July, lawmakers agreed to use federal relief money to address the debt and passed state budget trailer bill AB 135. CalCCA is coordinating closely with the California Department of Community Services and the state’s investor-owned utilities to ensure fair and efficient distribution of $1 billion in financial relief for pandemic-related electricity bill arrearages. Our primary goal is to get the funds distributed as quickly as possible.

Beth Vaughan
Executive Director, CalCCA
QUICK TAKES

- Central Coast Community Energy, East Bay Community Energy, MCE and Silicon Valley Clean Energy announced in July the formation of a new joint powers agency, the California Community Choice Financing Authority (CCCFA), with the goal of reducing the cost of power purchases through prepayment transactions. CCCFA will assist member CCAs by undertaking the financing or refinancing of energy prepayments with tax-advantaged bonds.

- Senate Bill 612, a ratepayer equity bill authored by State Senator Anthony Portantino and sponsored by CalCCA, has been designated a two-year bill by the Assembly Committee on Utilities and Energy. SB 612 was scheduled for its first vote in the Assembly on June 30. At the last minute, the bill was removed from the committee hearing agenda by Chair Chris Holden. Well over 100 California communities, environmental justice organizations, environmental groups and clean energy providers back SB 612, which cleared the Senate floor on June 1 with a vote of 33–6.

- CalCCA on September 8 is hosting our first “State of CCA” partner briefing of the new 2021–2022 season. The virtual event will include an overview of CCA growth and expansion, a power procurement update, and a Q&A session with community choice leaders. The State of CCA briefing is open to all partners who are enrolled in CalCCA’s Partner Program. For event registration information, email us at partners@cal-cca.org.

CalCCA TURNS FIVE

In June, CalCCA completed five years of operation as California’s CCA trade association. CalCCA was formed in 2016 by six CCAs—CleanPowerSF, Lancaster Choice Energy, MCE, Peninsula Clean Energy, Silicon Valley Clean Energy and Sonoma Clean Power—to provide a unified voice and advance a level playing field for CCAs in California. See photos from our early days below.
Community choice aggregators are driving a building boom throughout California and beyond, as evidenced by the number of clean energy projects that are currently being built to serve CCA customers. The projects reflect a diversity of resources that will boost energy resilience and help California achieve a 100% clean electricity system, while also supporting green jobs and fueling economic development. The following pages feature clean energy projects that will soon be operational thanks to long-term power purchase agreements with CCAs.

Ormat’s Casa Diablo IV geothermal project in Mono County will provide Central Coast Community Energy and Silicon Valley Clean Energy with 14 MW of baseload energy under a 10-year power purchase agreement. The CD4 project will be the first new geothermal power plant built within the California Independent System Operator balancing authority in the last 30 years. The project will use a closed-loop binary process to eliminate the natural carbon emissions associated with flash steam geothermal energy production. Commercial operation is expected in March 2022.
In yet another joint procurement deal, CCCE and SVCE contracted with the Big Beau Solar + Storage project in Kern County, developed by EDF Renewables North America, for 128 MW of solar capacity and 40 MW/160 MWh of storage under a 20-year PPA. Commercial operation is expected in February 2022.

CCCE and SVCE have also signed a 15-year PPA with Recurrent Energy’s Slate Solar + Storage project in Kings County. The CCAs have signed on for 150 MW of solar capacity and 45 MW/180 MWh of energy storage from the project, which is slated for operation in November.

In yet another joint procurement deal, CCCE and SVCE contracted with the Big Beau Solar + Storage project in Kern County, developed by EDF Renewables North America, for 128 MW of solar capacity and 40 MW/160 MWh of storage under a 20-year PPA. Commercial operation is expected in February 2022.
CIM Group’s Westlands solar project in Kings County will be up and running soon and generate 50 MW of solar energy for Valley Clean Energy. Los Angeles Times reporter Sammy Roth recently visited the project, noting that “California’s ability to keep the lights on—and the rest of the country’s willingness to follow its lead—will depend on an unprecedented infrastructure buildout, from giant projects like Westlands to lots more solar systems on rooftops.”

Pattern Energy Group’s Clines Corner wind energy facility in New Mexico is expected to come online by year’s end and will generate 225 MW for San José Clean Energy. “Due to the project’s location in New Mexico, its energy deliveries will generally increase earlier each day than local wind projects, helping meet customer demand during the crucial early evening hours when demand is high but renewable energy supply is typically low,” SJCE notes.
Matthew Marshall, executive director of Redwood Coast Energy Authority (left), and Peter Lehman, founding director of Schatz Energy Research Center at Humboldt State University, at the July groundbreaking of the Redwood Coast Airport Microgrid project. The 2.25–MW solar–based microgrid will include a 2.2 MW/8.8 MWh battery storage system and electric vehicle chargers that can be used for demand response. RCEA is the project owner, while SERC serves as the prime contractor and technology integrator.
UPDATES FROM CALIFORNIA’S CCAs

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) and Rancho Mirage Energy Authority (RMEA).

CalChoice Welcomes Soon-to-Launch Santa Barbara CCA
The City of Santa Barbara has partnered with CalChoice to launch Santa Barbara Clean Energy (SBCE), a CCA program that will lower energy costs and increase renewable energy for residents and local businesses. Launching this October, SBCE will offer two renewable energy options: 100% and 75% renewable energy content. The city chose to establish a CCA program as part of its strategy to reach 100% renewable electricity in the community by 2030. The new program addresses the energy partnerships, plans and structures section in Santa Barbara’s 2019 Strategic Energy Plan. SBCE will be CalChoice’s 8th operational member and its first coastal community.

Coming Soon: CalChoice Battery Storage Program
CalChoice recently completed a solicitation for the design and implementation of a first-of-its-kind distributed energy resources program on behalf of its associate members to increase local resilience and reliability. Through the deployment of behind-the-meter dispatchable battery energy storage systems, the program will offer innovative, valuable and affordable energy storage programming options designed to provide significant incentives and energy cost savings to eligible customers. For CalChoice CCAs, the program will provide new opportunities for procurement cost savings and enhanced risk-management capabilities through strategic load shaping and active peak load management. The program is set to begin in September.

‘CHOICE’ WORDS

“What Sonoma Clean Power is doing with the Advanced Energy Center is a bold and ground-breaking model for others. The Energy Commission is proud to support this effort to bring the climate-friendly cooking experience and new construction technologies directly to interested Californians. This type of education and awareness is critical as the state doubles down on reducing emissions from buildings by using clean energy to power more things.”

— California Energy Commission Chair David Hochschild
CENTRAL COAST COMMUNITY ENERGY

Central Coast Community Energy (CCCE) is a public agency that sources competitively priced electricity from clean and renewable energy resources. CCCE’s goal is to source 100% of its customer demand from new clean and renewable resources by 2030, 15 years ahead of the state’s clean energy goal. CCCE serves more than 400,000 customers throughout the Central Coast, including agricultural, commercial and residential customers in communities located within Monterey, San Benito, San Luis Obispo, Santa Barbara and Santa Cruz counties.

CCCE Energy Programs Update

**Electric School Bus Program:** On July 27, CCCE launched its second energy program funding electric school bus adoption throughout the Central Coast. The agency is contributing up to $200,000 or up to 50% of the cost for at least 11 electric school buses, totaling $2.2 million in available funds. The program is open to schools and school districts served by CCCE and located within the CCCE service area, which spans from Santa Cruz County to Santa Barbara County. CCCE is also providing rebates for EV charging stations and associated electrical work under the Charge Your Ride program. Public agencies, including schools, are eligible for the largest rebate amount, up to $10,000 or up to 100% of the project cost.

**CALeVIP:** On August 5, in coordination with state and regional funding partners, CCCE launched the CALeVIP-South Central Coast Incentive Project. 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.

**EV Incentive Program:** CCCE extended the Electrify Your Ride program through the end of September after receiving 200 applications ahead of the original end date of June 30. CCCE seeks to accelerate the adoption of EVs throughout the Central Coast. Total program funding is $700,000 and incentive amounts are doubled for income-qualified customers.

**EV Charger Program:** CCCE’s Charge Your Ride program offers homeowners and multifamily property owners rebates for EV chargers. Since the program’s launch, CCCE has extended the program to include business and public-agency charger funding. Charge Your Ride also incentivizes required electrical work to install EV chargers, including upgrading or replacing electrical service panels. Total program funding is $295,000 and is designed to cover the majority of costs for chargers and associated electrical work.

**Summer Readiness Program Pilot:** CCCE is working with large commercial, industrial, agricultural and member-agency customer accounts, with the goal of improving energy reliability by providing incentives for large accounts to conserve energy on event days forecast to experience grid strain during the summer of 2021. This demand-response (DR) program’s $1/kWh of event net consumption incentive will be realized as an end-of-year bill credit. The program pilot has no penalties for nonperformance, and CCCE seeks program pilot feedback for a possible future DR program.
Local Renewable Project Update
CCCE issued a Local Energy Storage Resiliency Project RFQ on June 15, seeking technical qualification responses for its new procurement effort to deploy front-of-the-meter energy storage projects from 1 to 5 MW throughout its service area to increase distributed energy storage resources to improve the availability of renewable resources during evening hours. Responses were due by August 2.

New Renewable Power Purchase Agreements
CCCE in partnership with Silicon Valley Clean Energy (SVCE) has contracted for 778 MW of renewable solar and wind energy and 118.75 MW of energy storage as a result of requests for offers jointly issued by the two agencies in 2019 and 2020. A majority of the new projects will be located within California. CCCE’s portion of the recent renewable PPAs adds up to 373 MW of solar and wind energy and 52.5 MW of energy storage to its portfolio and exceeds CCCE’s pathway to clean and renewable energy through new renewable projects by 2025. The addition of the recent PPAs brings the total joint PPAs for CCCE and SVCE up to 12 projects, equaling 1,470 MW of renewable energy and $2.77 billion committed.

### Central Coast Community Energy and Silicon Valley Clean Energy Joint Renewable Energy Agreements

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Developer</th>
<th>Source</th>
<th>Capacity</th>
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<td>Wind</td>
<td>66 MW</td>
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<td>70 MW 17.5 MW</td>
<td>Kern County, CA</td>
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</tr>
</tbody>
</table>

Signed joint PPAs 1/21 - 6/21. Total joint PPAs to date: 12

### Clean Energy Alliance

Clean Energy Alliance completed enrollment of all eligible customers in June, and is now fully operational with a 93% participation rate and all three member cities—Carlsbad, Del Mar and Solana Beach—having selected a 75% carbon-free power supply as their default energy product. Solana Energy Alliance has successfully transitioned its customers to Clean Energy Alliance. SEA was the first CCA program in San Diego Gas & Electric territory and in 2019 it provided customers with 100% carbon-free energy.
Launched in 2018, Clean Power Alliance serves approximately 1 million customer accounts in 32 communities across Los Angeles and Ventura counties. During this time, CPA has grown to provide 100% renewable energy to more customers than any other energy provider in the nation.

**CPA Receives U.S. Green Building Policy Leadership Award**

CPA recently received the 2021 Policy Leadership Award from the U.S. Green Building Council–Los Angeles Chapter (USGBC-LA), for its ongoing work in centering equity in the delivery of clean energy to customers across the region. The award was presented during USGBC-LA’s 20th Annual Municipal Green Building Conference and Expo on May 21-22.

In presenting the award, USGBC-LA cited CPA’s: 1) focus on equity in clean energy, 2) automatic provision of 100% green power to bill-assistance customers, 3) workforce development, 4) education programs, and 5) pandemic response.

“CPA was founded upon the values of equity, local control and providing choice to our many member agencies and customers,” said CPA Board Chair Diana Mahmud. “We are proud to be recognized for prioritizing equity not only in the delivery of clean energy to our customers, but throughout our operations and decision making.”

**CPA Approves Four New Long-Term Clean Energy Contracts**

On June 3, the CPA board of directors approved four long-term clean energy contracts which will add 256.5 MW of renewable energy and 163 MW of storage to CPA’s already diverse portfolio, resulting in long-term reliability and sustainability for the many communities CPA serves. Of these four contracts, two were with Clearway Energy Group: specifically, their Arica and Daggett 2 solar-plus-storage projects. The remaining two were with NextEra Energy Resources’ Resurgence Solar II project and Calpine’s ‘The Geysers’ geothermal facility. Together, the contracts will provide enough clean renewable energy to power 177,153 homes for a year and avoid 258,827 metric tons of greenhouse gas emissions per year.

“CPA is providing a model for California and our nation as to how to provide the reliable electricity that people need today in an environmentally friendly way that protects our earth for future generations,” said Ted Bardacke, CPA’s executive director. “Our customers expect reliability. The addition of these geothermal and solar-plus-storage facilities will allow us to better provide 24/7 reliable energy to address our customers’ needs.”
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.

CleanPowerSF Issues New Solicitation Seeking Renewable and Energy Storage Products
On July 16, CleanPowerSF issued a new solicitation seeking offers of renewable energy and energy storage products. The solicitation invites offers for three different product types: 1) Product Content Category (PCC) 1 renewable energy from new or existing renewable energy resources; 2) PCC 1 renewable energy from renewable energy resources co-located with energy storage; and 3) energy and capacity products from new or existing stand-alone energy storage facilities. Resources participating in the solicitation must be directly connected to the California Independent System Operator Balancing Authority Area, and CleanPowerSF has a preference for resources located within the nine Bay Area counties. Offers must be capable of starting product deliveries as early as January 1, 2022, and no later than December 31, 2026. For more information and a link to the solicitation documents, click here.

CleanPowerSF Customers Transition to TOU Rate Plan
To help fight climate change and support electric grid reliability, CleanPowerSF is transitioning its residential customers to a time-of-use (TOU) rate plan. Most CleanPowerSF residential customers were automatically transitioned to TOU rates risk-free in July. To help customers understand their new electricity rate plan, CleanPowerSF conducted outreach including email, social media and a joint webinar with Pacific Gas & Electric. Outreach was focused on educating customers on how to make the most of their TOU rate plan, save money, and help the environment by conserving energy during critical hours. Click here to watch Understanding Your Energy Options: Time Of Use Rate Plan Webinar.

CleanPowerSF Begins Third Year of Peak Day Pricing Program
CleanPowerSF launched its Peak Day Pricing (PDP) 2021 season on July 1, marking the third year CleanPowerSF has offered the program. CleanPowerSF’s PDP pilot program incentivizes large commercial customers to voluntarily reduce electricity consumption on “Event Days” when the grid is expected to be strained. CleanPowerSF made structural changes to the program’s incentive model for the 2021 season to better align incentives with the amount of demand reduction participants contribute and to improve the customer experience. Customers will now be directly compensated for the amount of electricity they reduce, making the program more transparent for customers. To make the program more effective and easier for customers to participate, CleanPowerSF will no longer call Event Days on holidays and weekends, when it can be challenging for office buildings (CleanPowerSF’s large commercial customer base) to respond. Additionally, Event Day peak hours were extended from 4-8 p.m. to 4-9 p.m. to align with the new time-of-use rates peak period.
CleanPowerSF Joins New Joint Powers Agency to Advance Climate Goals

CleanPowerSF is officially a member of the California Community Power joint powers agency (CC Power). Now, as a member of CC Power, CleanPowerSF will join forces with other members to purchase new clean energy and reliability resources that will help advance state and local climate-action goals. CleanPowerSF is the 10th member of CC Power. The member agencies represent roughly 3 million customer accounts. By teaming together, CC Power members will have enhanced negotiating power, opportunities for larger joint renewable and storage project procurement, shared risk mitigation, and new opportunities for innovation.

EAST BAY COMMUNITY ENERGY

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 Receives $300,000 EPA Brownfields Grant

The U.S. Environmental Protection Agency (EPA) announced $1.5 million in grants to EBCE and the cities of Richmond and Vallejo to identify and prepare formerly contaminated properties, also known as brownfields, for redevelopment. The announcement was made at a virtual event with EBCE CEO Nick Chaset and Hayward City Council/EBCE board of directors member Elisa Marquez.

EBCE will use the $300,000 award to support the development of electric vehicle charging hubs, and will focus on redeveloping brownfields in communities impacted by environmental-justice challenges in Alameda County and the City of Tracy. The funds will be used to complete environmental assessments of potentially contaminated properties and develop cleanup and reuse plans for EV hub development. These future hubs may include solar arrays and battery storage. Battery storage at former brownfield sites can increase community climate resilience by improving access to electric power during blackouts, which have been increasing in frequency due to wildfires.

EPA’s announcement of $1.5 million in grants to EBCE and the cities of Richmond and Vallejo to identify and develop brownfields into EV charging hubs was made at a virtual event with Jeff Scott, EPA’s land director for the Pacific Southwest; Nick Chaset, EBCE CEO; Margot Perez-Sullivan, EPA; and Elisa Marquez, a member of the Hayward City Council and member of EBCE’s board of directors.
More East Bay Cities Transition Customers to 100% Renewable Energy
Demand for green power from East Bay Community Energy is stepping up! Several cities in the East Bay have taken bold action recently and are transitioning their default service to EBCE’s Renewable 100, sourced from California wind and solar power. That means that customers will automatically be placed onto Renewable 100 service, as follows:

- **Albany**: All residential and commercial accounts (except those on CARE/FERA and medical baseline) in January 2022.
- **Berkeley**: All residential accounts (except CARE/FERA and medical baseline) by April 2022 and all commercial accounts by October 2022.
- **Dublin**: All residential accounts (except CARE/FERA and medical baseline) in October 2021.
- **Hayward**: All residential and commercial accounts (except CARE/FERA and medical baseline) in January 2022.
- **Pleasanton**: All residential and commercial accounts (except CARE/FERA and medical baseline) in January 2022.
- **Note**: Piedmont set Renewable 100 as the default for residential accounts (except CARE/FERA and medical baseline customers) in 2018.

**MCE**
As California’s first Community Choice Aggregation program, 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. For more information about MCE’s services, visit mceCleanEnergy.org. Get regular updates straight to your inbox by receiving our monthly eNewsletter.

**MCE Cares**
MCE Cares promotes programs and services that help our customers reduce bills and access innovative renewable energy solutions. In the past four months, MCE launched the Cares Credit, committing $10 million in bill-relief funds to eligible customers, with over 30,000 residents and small businesses participating. MCE has also helped more than 3,000 customers pay bills and eliminate more than $1 million of energy debt as part of the Arrearage Management Program. Lastly, MCE recently launched two new energy equity
and affordability programs, Community Solar Connection and Green Access. These programs offer qualifying customers living in a designated disadvantaged community access to 100% renewable energy and a 20% discount on their electricity bills. Both programs will be supported by almost 6 MW of new local clean energy projects.

**MCE Implements Racial Equity Resolution**

On May 20, MCE’s board of directors approved MCE’s Resolution Committing to Advance Racial Equity. This resolution is in addition to MCE’s comprehensive equity efforts including our $6 million energy storage program, targeting critical care facilities and income-qualifying residents; our community solar programs supporting customers who live in state-designated disadvantaged communities; our Sustainable Workforce and Diversity Policy implemented in 2017; and our partnerships with agencies like Richmond-BUILD, Rising Sun Center for Opportunity, Marin Community Foundation, and GRID Alternatives. Learn more about MCE’s Energy Equity work at mceCleanEnergy.org/Energy-Equity.

**Fighting for Climate Action: #BecauseOfYouth**

MCE’s #BecauseofYouth series highlights young environmentalists in MCE’s service area who are leading the fight against climate change. Read the full series now ending with Kevin Ruano Hernandez, a member of the Richmond/San Pablo Steering Committee for the Bay Area Air Quality Management District Community Emission Reduction Plan. Follow MCE on Instagram to see stories from additional youths.

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**PENINSULA CLEAN ENERGY**

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 3,600 GWh of energy annually. Peninsula Clean Energy offers two service options: ECOplus, with 50% renewable and 100% greenhouse gas–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.

**E-Bike Rebate Program**

The Peninsula Clean Energy “E-Bikes for Everyone” program launched on May 26. The program offered a rebate of up to $800 off the purchase price of a new electric bicycle (up to an $800 rebate) for income-qualifying residents of San Mateo County. More than 300 applications were received in the first three days, exceeding the program’s initial capacity.

**Ride-Hail Electrification Pilot Program**

In the first program of its kind in California, Lyft and its rental car partner Flexdrive joined with Peninsula Clean Energy to expand electric vehicle use for ride-hailing in San Mateo County and beyond. The program will launch this fall and will provide $500,000 in funding from Peninsula Clean Energy for a rental incentive to make the cost of renting an EV comparable to a gasoline–powered vehicle. The initial goal of the program is to expand EV use to roughly 100 Lyft vehicles in San Mateo County. It is expected to prevent 200,000 gallons of gasoline usage and related GHG emissions. Read the press release.
SUMMER 2021

PENINSULA CLEAN ENERGY (cont.)

Used EV Rebate Program Expanded to All Income Levels
In August, Peninsula Clean Energy is expanding a program that offers rebates of up to $4,000 for the purchase of a used EV. Now, San Mateo County residents, regardless of income, can receive rebates, with income-qualified residents eligible for larger rebate amounts. Income-qualified residents can combine the Peninsula Clean Energy rebate with other regional and state incentive programs, amounting to as much as $11,500 in incentives. GRID Alternatives Bay Area will administer the program and reach out to underserved communities. Learn more.

Recognizing All-Electric Leaders
On May 14, Peninsula Clean Energy announced the recipients of its inaugural All-Electric Leader Awards. Two single-family home projects and two nonresidential projects received the honors. Featured project submissions and award winners may be viewed on the All-Electric Showcase page of our website. Case studies are available online for the award-winning Redwood City Veterans Memorial Senior Center and the William V. Campbell Academic and Arts Center at Sacred Heart Schools Atherton.

PIONEER COMMUNITY ENERGY

Pioneer Community Energy launched in 2018 and is currently the easternmost CCA in California, nestled in the Sierra Nevada. Pioneer serves Placer County and the incorporated areas of Auburn, Colfax, Lincoln, Loomis and Rocklin. In January 2022, Pioneer will begin serving El Dorado County and the City of Placerville.

- Pioneer launched its Green100 product June 7. Pioneer created the 100% renewable product in response to customers who requested a green product as part of a survey. Green100 is a combination of biomass, geothermal, wind and solar.
- Pioneer continues preparation for expansion into El Dorado County and Placerville, which will enroll 68,000 accounts with Pioneer in January 2022, increasing Pioneer’s customer base to more than 160,000 accounts.
- Pioneer established a Community Programs Advisory Committee (CPAC) to provide community input to the Pioneer board on future programs. The application process closed in July, and Pioneer expects to have appointments made to CPAC in September.
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” 40% renewable and “REpower+” 100% renewable and carbon-free energy service options.

**Redwood Coast Airport Microgrid Takes Off**
The Redwood Coast Airport Microgrid’s (RCAM) community partners, vendors and the media convened July 7 to share progress on what will be the first 100% renewable, front-of-the-meter, multi-customer microgrid in California. Speakers for the event included leaders from RCEA, the Wiyot Tribe, Schatz Energy Research Center, Pacific Gas & Electric, the California Public Utilities Commission, the County of Humboldt, the U.S. Coast Guard, the Blue Lake Rancheria, Humboldt State University and U.S. Representative Jared Huffman, California 2nd District.

Located at Humboldt County’s regional airport, the 2.3 MW solar array and 2.2 MW battery storage system will be owned by RCEA and will deliver power to the grid via PG&E’s distribution system. This public-private collaboration is the first of its kind in California. The project, expected to be operational by the end of 2021, is funded by a $5 million grant from the California Energy Commission and a $6.6 million loan to RCEA from the U.S. Department of Agriculture. Among its many benefits, RCAM will provide direct energy resilience for the airport, emergency services, medical life flights and the U.S. Coast Guard Air Station.

**Heat Pump Rebate for RCEA Customers**
RCEA began offering heat pump rebates for both residential and commercial settings. Most of the rebates have a base rate plus an added per-ton amount, based on the system size. The rebates are provided by funding from RCEA’s Community Choice Energy program and the CPUC.
Hatchery Road Solar Project
RCEA’s first Feed-In Tariff Program project, which will sell power to RCEA under a 20-year power purchase agreement, was approved by the Humboldt County Planning Commission in April. The 4 MW (9,500 MWh per year) Hatchery Road solar project will be built near the city of Blue Lake and will provide enough clean renewable energy to power roughly 1,600 homes, once it is on line in spring 2023. The project proposes a Pollinator Habitat Program that will increase agricultural crop yields by attracting native pollinators and beneficial predatory insects, improve soils by decreasing stormwater runoff and use of herbicides, and enhance wildlife and plant biodiversity. RCEA’s Feed-In Tariff Program offers above-market pricing for small-scale renewable energy generation in Humboldt County.

Long Term Biomass Contract
RCEA signed a long-term biomass contract in May, via an extension of an existing power purchase agreement. The contract ensures compliance with Senate Bill 350, which requires load-serving entities to procure at least 65% of our state-mandated Renewables Portfolio Standard energy supply through contracts with term length of 10 years or longer. Securing a 10-year contract with Humboldt Sawmill Company in Scotia also provides more favorable pricing to RCEA. Biomass power is currently the only utility-scale (i.e., multi-megawatt) source of state-designated renewable electricity in the county, and has served as a starting point toward our goal of 100% local renewable power.

Community Grid Program and Behind-the-Meter Resource-Adequacy Contract
RCEA and Swell Energy entered into a contract in June that will add 0.3 to 3 MW of resource adequacy to RCEA’s portfolio from an aggregation of customer-sited energy storage systems. Participating customers will receive an incentive for enrolling in the Community Grid Program, and could also see utility bill savings through daily time-of-use charging/discharging of their storage systems. The batteries will also be able to power critical loads during power outages, and will be operated by Swell as a virtual power plant that can be dispatched by the California Independent System Operator during periods of high demand or insufficient supply. The program will be rolled out over the next few years with an official RA delivery start date of May 2023.

Incremental Resource Adequacy from RCEA’s First Demand-Response Contract
Leapfrog Power’s demand-response portfolio began providing RA to RCEA under a long-term contract this past June. The 5.5 MW of new capacity is sourced from customer loads across California, including residential smart thermostats, commercial HVAC systems, energy storage, electric vehicle charging, food processing and cold storage, agricultural pumping and municipal water pumping.

Demand-Response Incentive Program
RCEA began offering a new Demand Reduction Incentive Program (DRIP) in July to reward customers for reducing their energy usage during the peak electricity hours of the summer. Eligible commercial, industrial and agricultural customers can earn $0.25/kWh in bill credits for reducing their electricity consumption below their average baseline usage when RCEA calls a DRIP event day.

Net Energy Metering Payout
RCEA signed on 345 new Net Energy Metering (NEM) customers in the last year, bringing RCEA’s total to about 2,434 customers who generate renewable energy and sell to RCEA. RCEA credits NEM customers at a retail generation rate plus an additional $0.01/kWh bonus. This year, 575 customers produced significantly more energy than they used, earning a payout amounting to $252,000 in May.
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.

SDCP Completes Second Enrollment Phase of Commercial and Industrial Customers
On June 1, SDCP began the month-long enrollment of its commercial and industrial customers, which constitute the majority of overall load. SDCP staff successfully worked to ensure there was a smooth transition from investor-owned utility to CCA service.

San Diego International AirportOpts Up to SDCP’s 100% Renewable Energy Product
The San Diego International Airport, the busiest single–runway commercial airport in the United States, committed to opting up all of its eligible accounts to SDCP’s 100% renewable energy product, Power100. The news reached upwards of 350 million in online readership.

Introducing SDCP’s Power100 Champions
SDCP has unveiled its new Power100 Champions webpage, which showcases our business customers who have made the commitment to 100% renewable energy. Not only will our champions be listed on our website, but they’ll also receive access to our digital toolkit and a champions badge for use at their storefront.

SDCP Board of Directors Approves Two More Long-Term Renewable Energy PPAs
SDCP is excited to announce that two more long-term PPAs have been approved by its board. With a total 240 MW of solar and 70 MW of storage, these PPAs with BayWa r.e. and Intersect Power demonstrate SDCP’s commitment to a decarbonized world that adds new renewables, resilience and regional economic investment. These agreements bring the total of approved long-term PPAs to a combined 340 MW of solar and up to 220 MW of storage after launching our first enrollment phase just a few months ago.

Next Enrollment Phase
All remaining accounts, including residential customers, will enroll into SDCP service through a phased-in approach beginning in early 2022. Imperial Beach residents will be enrolled in February, followed by La Mesa in March, Encinitas in April, and Chula Vista and San Diego in May.

SDCP Staff Keeps Growing!
Staff continues to grow as the organization matures. Most recently, SDCP added two more members to staff, bringing the total to 12. More opportunities are underway and will be announced here.

CalCCA TIP
CalCCA’s “CCA Board Meetings” webpage has dedicated links to board meeting information for our member agencies. You can find the Board Meetings page here: cal-cca.org/cca-board-meetings/.
San Jose Clean Energy serves approximately 345,000 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 two service options: a default option, GreenSource, which is 40% renewable at rates competitive with Pacific Gas & Electric’s, and a premium option, TotalGreen, that is 100% renewable.

SJCE Service Gets Cleaner + New Options for Low-Income Customers
In May, SJCE made changes to its electricity service options. SJCE now has three options for customers: GreenValue—36% renewable energy; GreenSource—55% renewable energy; and TotalGreen—100% renewable energy.

- **GreenValue** (New): SJCE introduced a new service option called GreenValue to help customers who are struggling due to the pandemic. GreenValue costs the same as PG&E service, but provides 36% renewable energy and is available to all customers. More assistance for CARE and FERA customers is now available. SJCE created a new program called SJ Cares to provide customers enrolled in CARE or FERA a higher amount of renewable energy (GreenSource, 55%) for the lowest possible rates (GreenValue).
- **GreenSource** is the default service for customers and now consists of 55% renewable energy. Increasing the amount of renewable energy in GreenSource will reduce San José’s greenhouse gas emissions by 140,000 metric tons in 2021—the same as taking 30,000 cars off the road. However, SJCE staff also had to make a difficult decision to increase GreenSource charges by $3 to $4 more per month for the average home, or a 3% total bill increase. This increase is necessary to account for the increases in the Power Charge Indifference Adjustment (PCIA) fee.
- **TotalGreen** is SJCE’s 100% renewable energy service. TotalGreen costs the average home just $4 per month more than GreenSource.

San José municipal code requires SJCE to inform customers of any rate increase totaling 5% or more. While opt-outs increased slightly during the noticing period, SJCE was pleased to see 155 customers enroll in TotalGreen and more than 900 customers choose GreenValue.

Preparing Customers for the End of the Disconnection Moratorium
SJCE continues to see customers struggle to make electricity payments as a result of the COVID-19 pandemic. SJCE partnered with the City of San José’s Emergency Operations Center to launch a public education campaign to raise awareness of helpful resources for customers to prepare for lifting the disconnection moratorium and lowering their energy bills.

Outreach was conducted in four languages (English, Spanish, Vietnamese and Chinese) and targeted customers living in ZIP codes with the highest rate of missed payments. Customers determined to be eligible for programs such as the new Arrearage Management Plan (AMP) were also targeted. SJCE used paid marketing and saw success partnering with community-based organizations (CBOs). The CBOs’ intimate knowledge of the communities they serve brought value and they are trusted sources of information for customers.

Campaign efforts are ongoing, and SJCE staff is measuring the initial impact. There is a plan to issue a survey to customers enrolled in the AMP program to quantify the effectiveness of certain outreach tactics.
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.

Signing Contracts and Breaking Ground
In the first half of 2021, SVCE executed six long-term power purchase agreements, equating to 392.85 MW of renewable energy and 50.62 MW of battery storage. Five of the contracts are joint with Central Coast Community Energy (CCCE). Three of the projects are brand-new solar-plus-storage facilities, which will help meet California’s recent order to build at least 11.5 GW of new, clean resources by 2026. SVCE and CCCE have signed 12 power contracts together, for a total of 1,470 MW and $2.77 billion committed.

SJCE Partners with OhmConnect, Starts Texting Service to Reduce Demand on Critical Days
SJCE is educating customers about why their power might go out this summer, how they can prepare, and how they can prevent it from happening. SJCE is promoting OhmConnect’s demand-response platform to help reduce usage on critical days.

OhmConnect pays California residential customers to decrease their electricity usage a few hours per week during “OhmHours.” Through September 30, SJCE customers who enroll in OhmConnect’s program can choose to receive a free smart thermostat or two smartplugs plus $25 from OhmConnect. These smart devices help customers further reduce usage. So far, nearly 1,300 SJCE customers have enrolled in the program, and San José is leading OhmConnect’s City Energy Challenge for new signups this summer.

In addition, SJCE created a texting service in English, Spanish, Vietnamese and Chinese that customers can sign up for to receive energy-conservation and bill-savings tips. SJCE also sends these customers text notifications about Flex Alerts. As a department of the City of San José, SJCE leads communications on Flex Alerts, PG&E power shutoffs, and other electricity events for the city by posting in four languages on Twitter, Facebook, Instagram and Nextdoor.

SAN JOSE CLEAN ENERGY (cont.)
Three of the first set of PPAs SVCE signed in partnership with CCCE in 2019 have started construction! Two solar-plus-storage and one binary geothermal plant are now in development and will be providing clean energy to customers in the coming months. These are the first of many brand-new projects to break ground, and will add diversity to the SVCE portfolio and new renewable capacity to the California grid.

Supporting Customers Through Summer Reliability Events
Last summer, California saw extreme heat and wildfires, leading to a greater need for energy conservation throughout the state to protect the grid. This year, SVCE put a series of steps in place to ensure we are reaching customers directly during these crucial grid events. From Flex Alerts to emergencies and Public Safety Power Shutoffs, we have implemented a variety of tactics to make sure SVCE customers are informed about the current state of their energy. Tactics include emails to local elected officials, sharing California Independent System Operator updates through social media, and direct emails to customers if conservation is required to prevent rolling outages.

GridShift: EV Charging App – Providing the Cheapest and Cleanest Charge
SVCE is implementing a demand-response program through our newly launched GridShift: EV Charging mobile application. Intended for electric vehicle drivers, the app automatically aligns with customers’ time-of-use electricity rates and the carbon intensity on the grid to optimize for the cheapest, cleanest charge. The demand-response feature allows SVCE to send communications to app users when grid events are called, to inform them of the event and encourage them to conserve. SVCE is incentivizing participation during these “Critical GridShift Hours” by rewarding customers that avoid charging their cars when an event is called. Learn more at www.svcleanenergy.org/gridshift-ev.

SVCE Receives Award for Digital Pivot
SVCE was awarded a 2021 Granicus Digital Government Award in the Regional Digital Efficiency category. The award recognizes improvements that have been made during the SVCE “digital pivot” that have transformed how SVCE communicates with customers online. Specifically, SVCE has been able to leverage the Granicus email platform to streamline mandatory customer communications to save money, increase effectiveness and reduce environmental impact. For education and outreach, SVCE was also able to reach a broader audience, even when representatives were unable to attend in-person events. This has saved a considerable about of staff time and informed a record number of residential customers about available offers and services.
SONOMA CLEAN POWER

Sonoma Clean Power serves 229,000 accounts in Sonoma and Mendocino counties. SCP offers CleanStart 50% renewable/97% 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.

The Future Is Open – and It’s Located in Downtown Santa Rosa!
SCP opened the doors to the Advanced Energy Center in downtown Santa Rosa on June 15. To help make the latest low-carbon technologies accessible to all, SCP is offering 0% financing for select energy efficiency technologies—payable through customers’ utility bills. To date, the center has welcomed over 600 visitors for guided tours, educational classes and special events. A grand opening celebration is planned for November.

New Headquarters Facility Completed
The staff of SCP has moved into the new headquarters facility in Santa Rosa. The renovated building has been improved with natural daylighting, solar-covered parking, battery storage, electric vehicle charging and a host of energy-efficient features.

Tours of Sonoma Clean Power’s new Advanced Energy Center in Santa Rosa can be booked here.

VALLEY CLEAN ENERGY

Valley Clean Energy launched in 2018 and serves over 55,000 customer accounts in the cities of Davis, Woodland, Winters and unincorporated Yolo County.

VCE Marks Three Years of Service
In June, VCE celebrated three years of providing service to residents in Davis, Woodland, unincorporated Yolo County and, as of January 2021, Winters. Participation rates remain above 90%.

VCE Joins California Community Power
VCE is pleased to announce that it has joined nine other Community Choice Aggregation programs across California in a new joint powers authority (JPA), California Community Power. Membership in this new JPA enables CCAs to achieve their ambitious climate and resilience goals in a cost-effective manner by combining their purchasing power.

Westlands Solar Farm Construction Advances
Construction on the Westlands Solar Farm is underway, and it is expected to come on line this fall. VCE has contracted for 50 MW of solar PV from the site. The developers have permits to build 670 MW, which, if completed, will be 100 MW larger than the largest U.S. solar farm operating today. You can read more about the Westlands Solar Farm here.
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
- Silicon Valley Clean Energy
- Solana Energy Alliance
- 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