



Clean Energy Alliance Board Orientation Meeting

February 23, 2023



Beth Vaughan
Executive Director



New CCA History Video





† Solana Energy Alliance merged with Clean Energy Alliance in 2021.

California CCA: By the Numbers



Number of California communities served by CCAs: 205



Number of Counties with CCA: 19 of 58 counties (33%)



Number of Cities/Towns with CCA: 186 of 462 Cities (40%)



California Population served by CCAs: 11 Million+ (25%)

2023 and 2024 CCA Expansions of Service

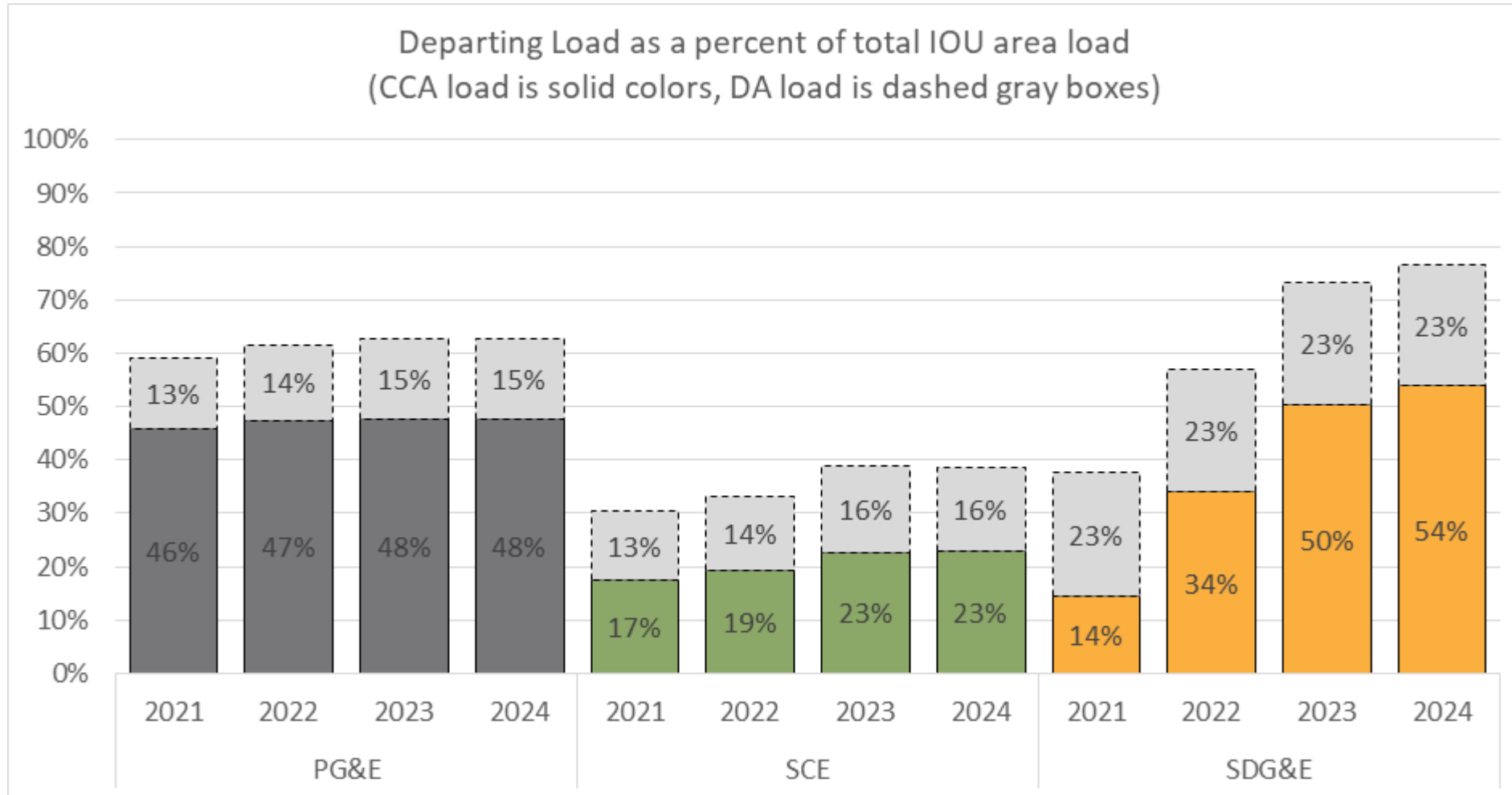
2023

CCA	New/Expansion	Cities/Counties	Start of Service
Clean Energy Alliance	Expansion	Escondido, San Marcos	April 2023
San Diego Community Power	Expansion	National City, Unincorporated San Diego County	April 2023

2024

CCA	New/Expansion	Cities/Counties	Start of Service
Pioneer	Expansion	Grass Valley, Nevada City	January 2024
Central Coast Community Energy	Expansion	Atascadero	January 2024
East Bay Community Energy	Expansion	Stockton	January 2024
Clean Power Alliance	Expansion	Hermosa Beach, Monrovia, Santa Paula	March 2024
Clean Energy Alliance	Expansion	Oceanside, Vista	April 2024

California CCA Departing Load by IOU



Source: 2021 IEPR Forecast. California Energy Demand 2021-2035 Baseline Forecast - Mid Demand Case

CalCCA Vision, Mission, Strategy



Vision

Empowering communities to advance a reliable, resilient, clean energy future.



Mission

CalCCA's mission is to cultivate a legislative and regulatory environment that supports the development and long-term sustainability of Community Choice Aggregation (CCA) electricity providers in California.



Strategy

The CalCCA agenda is driven by our members. Together we work to identify the issues that are most pressing and relevant to community choice energy providers and respond with effective and proactive advocacy and support. We serve our members and strengthen our collective voice through education, technical guidance, and regulatory and legislative advocacy.

CalCCA's Role

- ✓ Develop a vision of California's energy future and create a pathway to implement that vision
- ✓ Coordinate and lead policy development among members
- ✓ The voice of CCAs at the legislature and the regulatory agencies, supported by rigorous data analytics
- ✓ Facilitate sharing of best practices among CCAs to accelerate adoption of programs
- ✓ Communicate and Educate
 - Advocate policy positions and platform
 - Elevate and amplify the energy procurement and programs of CCAs that collectively advance the goals of decarbonization, reliability, affordability and social equity.
 - Provide venues to educate, advocate and network

Policy Team & Data Team

Regulatory & Legislative Advocacy



Procurement

Integrated Resource Planning
RPS - VAMO
Integrated Energy Policy
Report



Reliability

Resource Adequacy
Integrated Resource Planning
CAISO

Core
Policy Issues



Rates

PCIA
IOUs General Rate Cases
Affordability
Demand Flexibility
Load Management Standards



Financial

Financial Security Requirement
Provider of Last Resort
Advice Letters
Hedging Data Requests

Other Important Policy Issues

Supplier
Diversity

Billing
Operations

CAISO
Operations

GO 156

CAPP
Billing
Delays
AMP/PIPP

EDAM
CPM
Trans. Plan.
MIC
Other

Out of Scope

Programs
Distribution
DER



An aerial photograph of a large-scale solar farm. The solar panels are arranged in neat, parallel rows on a cleared, sandy area. The surrounding landscape is a mix of green grass, trees, and rocky, brownish hillsides. In the foreground, there is a paved parking lot with several cars and a small orange utility building. A road curves along the right side of the solar farm. The sky is clear and blue.

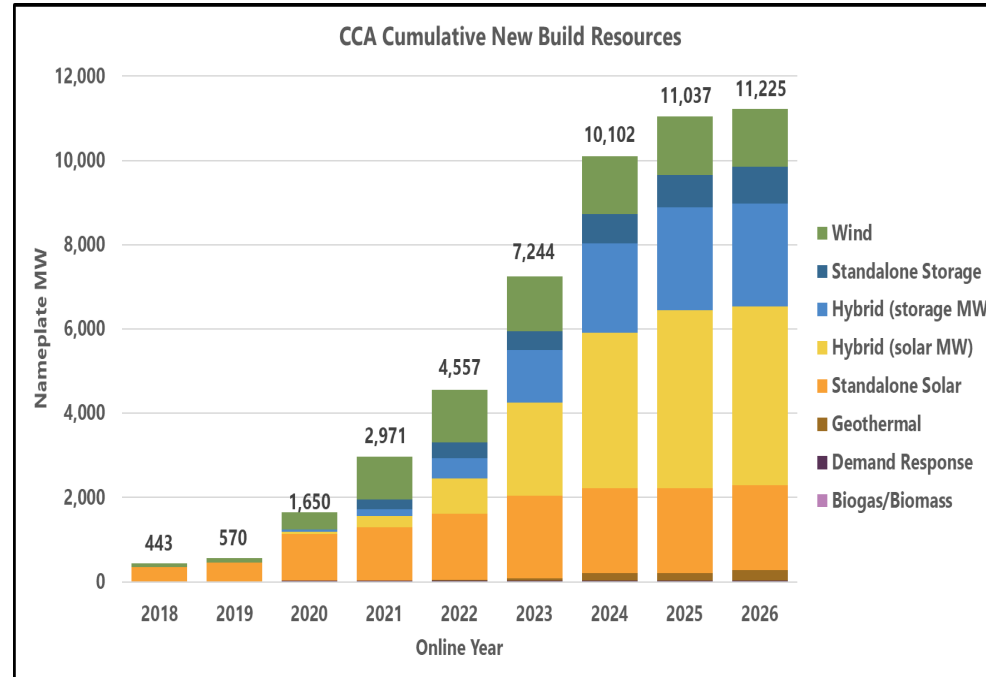
CCA FOCUS: ADVANCING RENEWABLE ENERGY

A key aspect of the value proposition offered by California CCAs is that renewable and clean energy be a major component of the customers' power supply mix.

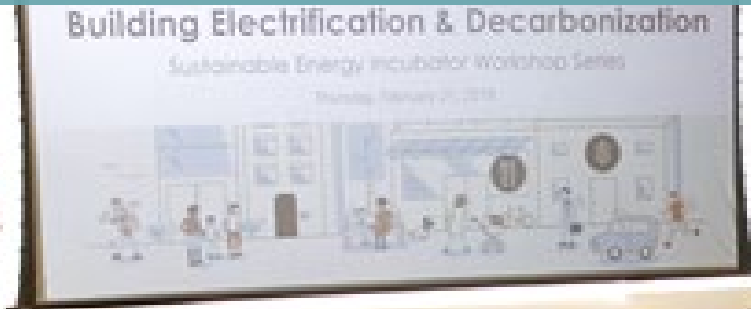
-Moody's Investors Services

CLEAN ENERGY CONSTRUCTION

- ✓ 11 GW of Long-term contracts with New-Build Clean Energy Resources
- ✓ \$14B investment
- ✓ 24,000 construction jobs



CCA Focus: Local Programs



"CCAs can design and deploy innovative initiatives and community-centered programs that provide financial and environmental benefits and can respond to communities' needs."

-UCLA Luskin Center for Innovation

CCA Customer Programs



☒ Electric Vehicles and EV Infrastructure

☒ Building Decarbonization/Electrification

☒ Energy Efficiency

☒ Net Energy Metering

☒ Solar Rebates/Incentives (beyond NEM)



CleanPowerSF

Clean Power Alliance

MCE

Monterey Bay Community Power

Rancho Mirage Energy Authority

☒ Demand Response



☒ Resilience: Microgrids, Local Solar+Storage



Roundup of CCA Resilience Initiatives

East Bay Community Energy/Peninsula Clean Energy

Lancaster Choice Energy

MCE

Monterey Bay Community Power

Peninsula Clean Energy

Redwood Coast Energy Authority

☒ Community Advisory Committees

☒ Local Innovation

☒ Outreach/Innovation Grants

☒ Feed-in Tariff

☒ Citizen Sourcing



CCA Program Highlights

cal-cca.org/programhighlights/



Redwood Coast Airport Microgrid

Redwood Coast Energy Authority launched California's first 100% renewable energy, front-of-the-meter, multi-customer microgrid is now fully operational. Located in Humboldt County, California, the microgrid provides energy resilience for the regional airport and US Coast Guard Air Station.



Transformative Home Electrification

East Bay Community Energy has partnered with BlocPower to electrify 60 additional homes throughout EBCE's service territory. EBCE is providing \$1M in project financing and \$400,000 in incentives to fund this first-of-its-kind project for low- to moderate-income (LMI) single-family households.



Community Outreach Grants

Peninsula Clean Energy's Community Outreach Grants support organizations offering details to income-qualified and other customers on bill savings and other clean energy program benefits.



EV Rebate Program

Offering rebates of up to \$6,000, Peninsula Clean Energy makes it easier for residents in its member communities to purchase a used electric vehicle (EV). Used EV owners already save money on fueling and maintenance costs—now they can also enjoy immediate savings at time of purchase.



Microgrid Maintenance Fellowship Program

CPA partnered with LACI's Green Jobs Fellowship to launch the solar-plus-storage maintenance training program to prepare program participants with the necessary skills to operate, deploy and maintain microgrid components and software.



Affordable Charging Access

Silicon Valley Clean Energy's pilot with Ecology Action demonstrated a low-power charging technology and business model designed specifically for affordable housing communities.



EV Ride-Hailing Program

Peninsula Clean Energy is joining with Lyft and its rental car partner Flexdrive to expand electric vehicle (EV) use in ride-hailing in San Mateo County and beyond. As part of the Ride-Hail Electrification Pilot Program, Peninsula Clean Energy will provide \$500,000 for a rental incentive to ride-hailing drivers to make the cost of renting an EV comparable to a gas-powered vehicle.



Comprehensive 24/7 Carbon-Free Energy

Silicon Valley Clean Energy (SVCE) and Google have harnessed the value of their shared clean energy goals to create a fundamentally new 24/7 renewable energy service that features hourly renewable energy matching, integrated demand management, and a commitment to ongoing community investments in local building and transportation electrification.



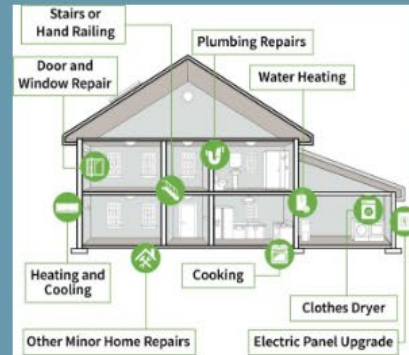
Backup Power for Critical Medical Facilities

MCE's Energy Storage Program equipped the West Marin Medical Center (WMMC) in Point Reyes with a 10 kW (40 kWh) battery. The storage system is paired with the medical center's rooftop solar to provide emergency backup power and daily load shifting to reduce energy costs.



Smart EV Charging

MCE has partnered with EV charging software firm [ev.energy](#) to release the MCE Sync app for [iOS](#) and [Android](#), providing a hassle-free way for EV drivers to charge off-peak and save money without [any special hardware](#).



Home Upgrade Program

This Peninsula Clean Energy program provides income-qualified homeowners with home repairs and energy efficiency upgrades at no cost. This will improve a home, making it more comfortable, healthier, and even saving money on a utility bill.



Mobile Solar and Battery Trailer

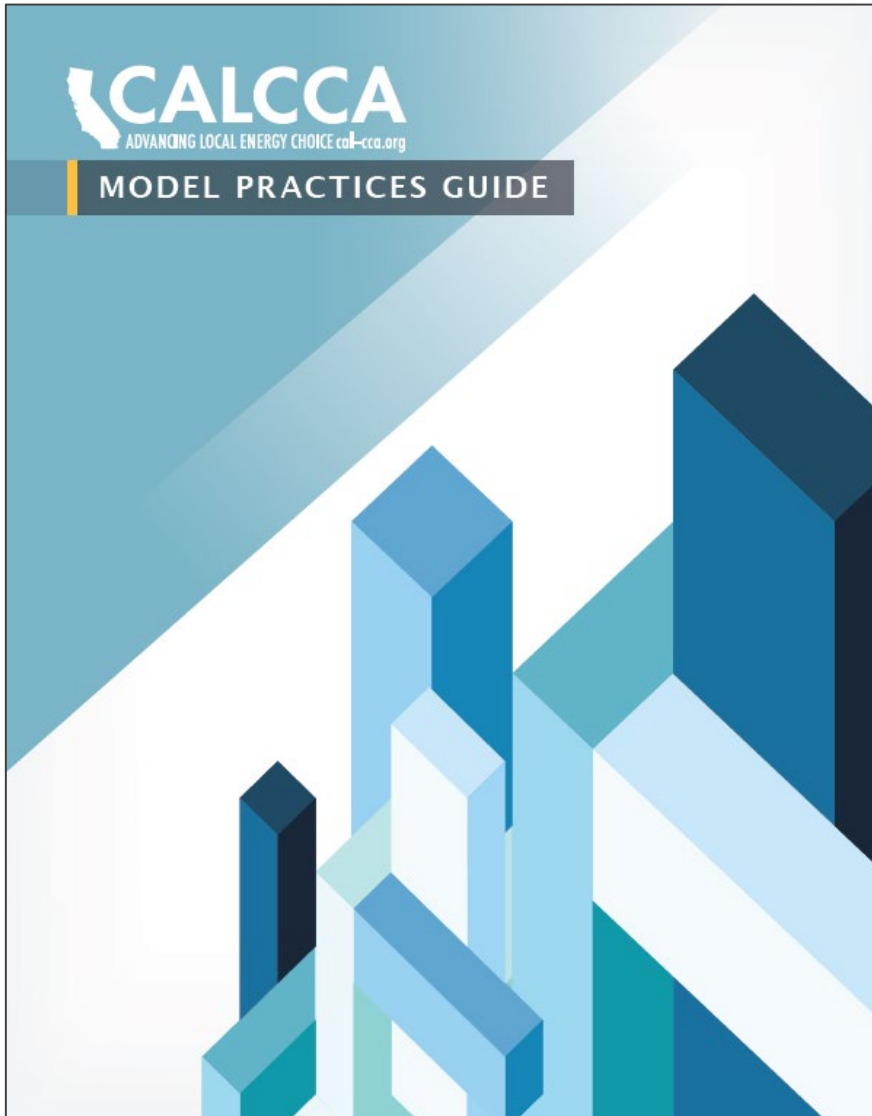
RCEA facilitated a one-year assignment of a mobile solar and battery trailer for the Southern Humboldt Fire Chiefs Association. The trailer will be utilized by 17 fire agencies.



Membership & Engagement



Developing/Sharing Best Practices



CCAs are public agencies that strive to be highly responsive and transparent. It is in that spirit that CalCCA, working in partnership with our members, created this page to provide easy access to CCAs' financial, policy, and formation documents. You can access those documents by clicking on the links below.

<https://cal-cca.org/key-cca-documents/>

Visit cal-cca.org for more info

Links

[Cities/Counties Served by CCA](#)

[Powered by Community \(YouTube Video\)](#)

[Clean Energy Procurement](#)

[Policy Filings](#)

[CCA Programs](#)

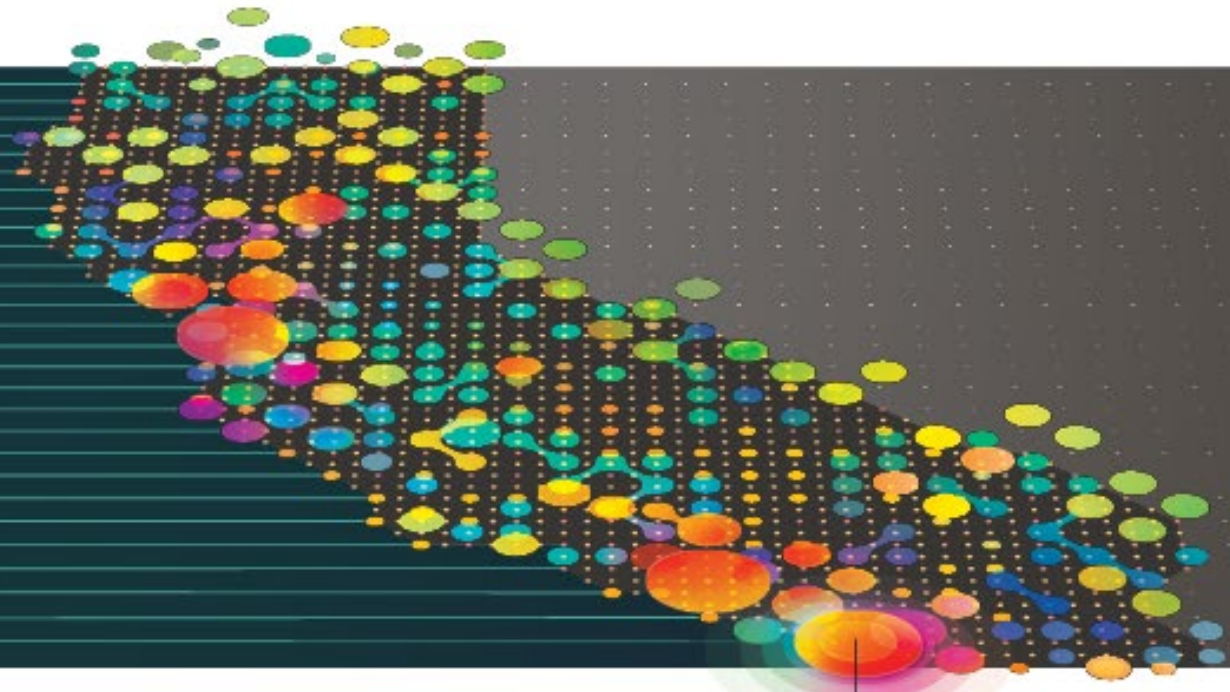
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Don't forget to register!



CalCCA
Annual Conference

May 17-19, 2023
Marriott Marquis San Diego Marina
San Diego, California