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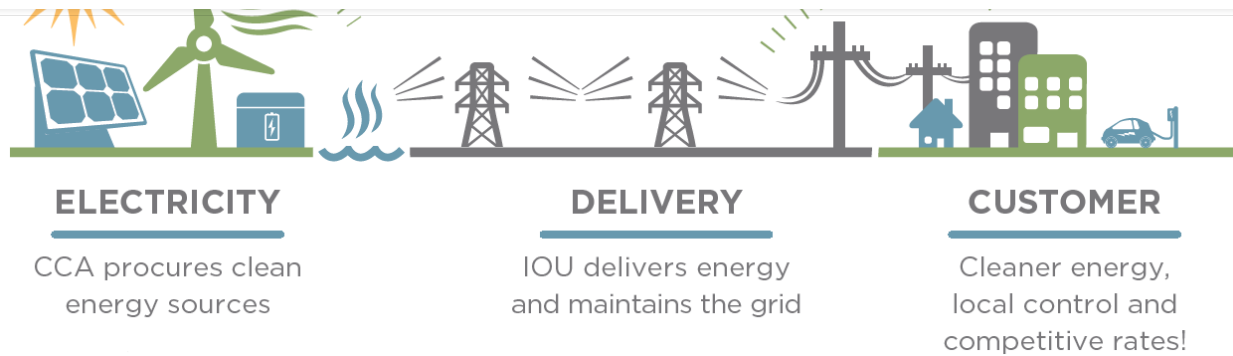|	
Docket Number:	21-OIR-03
Project Title:	2022 Load Management Rulemaking
TN #:	245989
Document Title:	CalCCA Website Impact Page
Description:	CalCCA Website showing the amount of energy delivered by each CCA.
Filer:	Stefanie Wayland
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	9/12/2022 11:49:19 AM
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CCA IMPACT

What is Community Choice Aggregation?

Through Community Choice Aggregation (CCA), communities can join together to pool (or aggregate) their electricity load in order to purchase clean energy and develop local projects and programs on behalf of their residents and businesses. Aggregators work in partnership with the region's existing Investor-Owned Utility (IOU), which continues to deliver power and maintain the grid.

How Community Choice Works

ELECTRICITY
CCA procures clean energy sources

DELIVERY
IOU delivers energy and maintains the grid

CUSTOMER
Cleaner energy, local control and competitive rates!

What California CCAs Are Doing

Why CCA?

✓ Consumer choice, local control, and accountability

✓ Policy tool to help communities reach their climate and economic goals

✓ Transition to a cleaner, more efficient energy supply

✓ Revenues reinvested in the community, not distributed to shareholders

✓ Tool for communities to establish local energy resources and programs such as solar+storage for resilience, low-income solar, EV vehicle and infrastructure incentives, feed-in-tariff, net energy metering (NEM), energy efficiency, demand response, and more

✓ Development of new renewable energy projects

6,117 Megawatts

New Solar Panels

1,044 Megawatts

New Wind Turbines

2,646 Megawatts

New Energy Storage

14 Megawatts

New Geothermal

7 Megawatts

New Biogas

"CCAs differ from other load serving entities because we don't just care about getting contracts signed. We really do care about the impact of the projects and want to select projects that our communities are going to be proud of."

– Natasha Keefer, Director of Power Planning & Procurement, Clean Power

CCAs: Putting Renewable Energy on the Map in California

CCAs are making good on their commitments to invest in new renewable energy facilities throughout California. To date, CCAs have contracted for almost 10,000 megawatts (MW) of new clean generation capacity through long-term power purchase agreements with terms of 10 years or more. See map below for project locations.

agreements for almost 10,000 Megawatts (MW) with new-build clean energy resources, fueling renewable energy development, green jobs, and economic growth throughout California.

Humboldt County
- 5.9 MW Solar
- 2.2 MW Solar +
- 2.2MW/8.8 MWh Storage
- 1.7MW/4.5 MWh Standalone Storage

12 MW

Mendocino County
- 1 MW Solar

1 MW

Marin County
- 9.4 MW Solar

5 MW

Marin County
- 3.5 MW Biogas

12.9 MW

Stanislaus County
- 70 MW Solar +
- 25 MW/80 MWh Storage

Kings County
- 273 MW Solar
- 160.5 MW Solar + 80.3 MW/321 MWh Storage
- 85 MW/180 MWh Standalone Storage

Monterey County
- 60 MW Storage (RA Only)

Kern County
- 232.3 MW Wind
- 547.7 Solar
- 919.5 MW Solar + 358.5 MW/1,194 MWh Storage
- 197 MW/788 MWh Standalone Storage

Sonoma County
- 5 MW Solar

Napa County
- 5.7 MW Solar

Yuba County
- 1.6 MW Biogas

Sierra County
- 2.5 MW/10 MWh Standalone Storage

2.5 MW

Yolo County
- 23 MW Solar +
- 9.5 MW/38 MWh Storage

1.6 MW

32.5 MW

5.7 MW

1.6 MW

23.4 MW

252.7 MW

95 MW

200 MW

Solano County
- 1.6 MW Biogas

Mono County
- 14 MW Geothermal

Contra Costa County
- 23.4 MW Solar

14 MW

656 MW

60 MW

598.8 MW

705.8 MW

Alameda County
- 102.2 MW Wind
- 75 MW Solar +
- 75 MW/300 MWh Storage
- 0.5 MW/ 0.8 MWh Standalone Storage

Merced County
- 200 MW Solar

Fresno County
- 260 MW Solar
- 325 MW Solar +
- 71 MW/284 MWh Storage

Tulare County
- 55.8 MW Solar
- 390 MW Solar +
- 260 MW/960 MWh Storage

San Bernardino County
- 3 MW Solar
- 642 MW Solar + 386 MW/1,544 MWh Storage

Nevada
- 125 MW Solar +
- 65MW/260 MWh Storage

190 MW

2,255 MW

1,031MW

98.8 MW

Santa Barbara County
- 98.8 MW Wind

Ventura County
- 15 MW/60 MWh Standalone Storage

15 MW

389 MW

2,002.5 MW

160 MW

250 MW

Los Angeles County
- 205 MW Solar
- 56 MW Solar + 28 MW/112 MWh Storage
- 100 MW/400 MWh Standalone Storage

Imperial County
- 100 MW Solar +
- 150MW/600 MWh Storage

Riverside County
- 55.5 MW Wind
- 292.5 MW Solar
- 1,051.5 MW Solar +
- 603 MW/1,912 MWh Storage

San Diego County
- 90 MW Solar +
- 70MW/280 MWh Storage

Arizona + New Mexico
- 554.7 MW Wind
- 200 MW Solar

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- Solar*
- Wind
- Biomass/Biogas
- Geothermal
- Wind and Solar*
- Standalone Storage

*May also include energy storage

Community Choice Aggregation in California

CCA: Power in Numbers

Clean Power Alliance	972,500	95%	.	.	877	8,986	11,046	10,725
CleanPowerSF	385,000	96%	241	572	1,242	2,706	2,924	3,000
Desert Community Energy	32,671	85%	.	.	.	.	379	432
East Bay Community Energy	613,263	96%	.	.	2,287	5,819	5,845	5,951
Lancaster Choice Energy	52,208	90%	590	590	590	546	588	587
MCE	470,000	86%	2,102	2,900	4,722	5,275	5,498	5,764
Peninsula Clean Energy	296,000	97%	277	2,861	3,514	3,600	3,400	3,400
Pico Rivera Innovative Municipal Energy	17,131	94%	.	35	174	220	224	214
Pioneer Community Energy	95,548	89%	.	.	982	1,154	1,167	1,187
Pomona Choice Energy	40,527	94%	.	.	.	.	49	311
Rancho Mirage Energy Authority	15,047	98%	.	.	185	272	280	288
Redwood Coast Energy Authority	63,000	92%	.	413	642	636	638	631
San Diego Community Power	70,003	98%	.	.	.	.	.	2,141
San Jacinto Power	14,507	90%	.	.	130	159	167	171
San Jose Clean Energy	350,000	98%	.	.	41	3,016	4,009	3,852
Silicon Valley Clean Energy	270,000	97%	.	2123	3,660	3,984	4,061	3,991
Sonoma Clean Power	227,000	87%	2,187	2,381	2,406	2,502	2,397	2,335
Valley Clean Energy	54,200	93%	.	.	439	682	691	737
CalCCA Member Totals	4,438,675	93%	5,397	12,110	24,263	42,776	46,948	51,134

Note: Table provides a snapshot of CCA accounts/load as of October 2021 (figures for 2021 are projections). Santa Barbara Choice Energy numbers are pending. Cells without figures indicate the CCA was not yet operational in that year.

CCA Programs and Choices

⊞ Apple Valley Choice Energy

⊞ Pomona Choice Energy

Apple Valley Choice Energy (AVCE) began serving customers in 2017 in the Town of Apple Valley, located in San Bernardino County. AVCE's default energy supply option, "CoreChoice," is 35% renewable. A premium option, "MoreChoice," is 50%

Pomona Choice Energy (Pomona), initiated service in 2020 in the City of Pomona. Its standard product, Pomona Choice, is at minimum State renewable content, and the Pomona Choice 100 product consists of 100% renewable energy.

geothermal resources.

Central Coast Community
Energy (formerly Monterey
Bay)

Central Coast Community
Energy (3CE) is a public
agency that sources
competitively priced
electricity from clean and
renewable energy
resources. 3CE'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. 3CE
serves more than 400,000
customers throughout the
Central Coast, including
agricultural, commercial
and residential customers in
communities located within
Monterey, San Benito, San

Pioneer Community Energy
(Pioneer) initiated CCA
service in 2018 to 96,000
customers in the
unincorporated areas of
Placer County, the Town of
Loomis, and the cities of
Auburn, Colfax, Lincoln and
Rocklin. In January, Pioneer
began serving most of
unincorporated El Dorado
County and the City of
Placerville, increasing
Pioneer's customer base to
over 160,000 customers—a
67% increase.

Rancho Mirage Energy
Authority

Rancho Mirage Energy
Authority (RMEA) began
serving the City of Rancho
Mirage in 2018 and
provides service to 18,000-

counties.

+ Clean Energy Alliance

Launched in May 2021, Clean Energy Alliance is the new default power provider for the cities of Carlsbad, Del Mar and Solana Beach, bringing residents and businesses clean power at competitive rates. All three member cities—Carlsbad, Del Mar, and Solana Beach—have selected a 75% carbon-free power supply as their default energy product.

+ Clean Power Alliance

Founded in 2017, Clean Power Alliance is the locally operated nonprofit electricity provider for 30

electricity service offering, is 50% carbon-free. It is comprised of 35% renewables and 15% hydroelectric. RMEA's "Premium Renewable Choice" rate plan offers customers the option of "opting up" to 100% renewable energy at an affordable price. RMEA's net energy metering program features a net surplus compensation rate of 6 cents per kWh.

+ Redwood Coast Energy Authority

Launched in 2017, the Redwood Coast Energy Authority (RCEA) serves over 63,000 customers in Humboldt County, Eureka, Arcata, Fortuna, Ferndale, Blue Lake, Rio Dell and

well as the unincorporated areas of both counties. CPA is the fifth-largest electricity provider in California and has the most customers receiving 100% renewable energy in the nation. CPA serves approximately 3 million people via 1 million customer accounts, providing clean renewable energy at competitive rates.

◫ CleanPowerSF

CleanPowerSF (CPSF) 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

renewable and "REpower+" 100% renewable and carbon-free energy service options.

◫ San Diego Community Power

Having officially launched municipal service in March 2021, San Diego Community Power (SDCP) is a Community Choice Aggregation program (CCA) formed by community leaders to benefit their customers. Their program will provide renewable electricity service to about 770,000 customer accounts in the cities of Chula Vista, Encinitas, Imperial Beach, La Mesa and San Diego once they have fully launched.

◫ San Jacinto Power

CleanPowerSF delivers at least 50% renewables portfolio standard-eligible renewable energy for its default Green product.

+ Desert Community Energy

Desert Community Energy (DCE) began serving customers in early 2020 and provides service to over 40,000 accounts. The Palm Springs City Council unanimously voted to default all accounts to DCE's 100% Carbon Free plan. In doing so, Palm Springs is effectively cutting its carbon emissions equivalent to taking 15,000 cars off the road. For those customers that are concerned with lower costs, DCE offers the Desert Saver plan, which has

began serving the City of San Jacinto in 2018. "PrimePower," SJP's default power option, is available at a price discount compared to Southern California Edison's default energy option yet is still very eco-friendly with 35% renewable energy content. SJP's "PureGreen" option is available for customers who want to opt-up to 100% renewable energy at a competitive rate.

+ San Jose Clean Energy

San Jose Clean Energy (SJCE) serves approximately 350,000 customers in the City of San José, the 10th-largest city in the U.S. with a population of 1.03 million. It launched service in February 2019 to most residents and

months of service.

+ East Bay Community Energy

Launched in 2018, East Bay Community Energy (EBCE) 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.

+ King City Community Power

King City Community Power (KCCP) began providing CCA service in 2018 to residents and

approximately 4 TWh and its 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 40% renewable; GreenSource is SJCE's standard service and is 60% renewable; and TotalGreen is SJCE's premium service for 100% renewable energy.

+ Santa Barbara Clean Energy

Santa Barbara Clean Energy is the newest CCA and began serving customers living in the city of Santa Barbara in October 2021. SBCE gives three energy options, Green Start, 100% Green, and Resilient. Green Start is a minimum of 50%

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carbon-free, GHG-free energy.

⊞ Lancaster Choice Energy

⊞ Silicon Valley Clean Energy

Lancaster Choice Energy (LCE) is the first stand-alone city CCA in California and the first CCA in Southern California Edison (SCE) territory. LCE serves ~ 50,000 customers in the City of Lancaster in north Los Angeles County. LCE offers ClearChoice 37% renewable and SmartChoice 100% renewable energy service, with approximately half of its customers eligible for low-income energy programs.

Silicon Valley Clean Energy (SVCE) initiated service in 2017 in Santa Clara County. It 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 50% renewable sources and 50% hydro, and GreenPrime, a 100% renewable, Green-e certified product.

⊞ MCE

MCE, the first CCA program in California,

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known as Marin Clean Energy) offers renewable, locally controlled, cost-competitive electricity options for more than 1 million residents and businesses in 37 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.

Orange County Power Authority

Orange County Power

Sonoma Clean Power (SCP) 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. Mission: Sonoma Clean Power is turning the tide on the climate crisis, through bold ideas and practical programs.

Valley Clean Energy

Valley Clean Energy (VCE) initiated service in June 2018 and serves over 62,000 customer accounts in the cities of Davis, Woodland, Winters (beginning in 2021),

provider in Southern California, was established in November 2020 and is gearing up for launch this year. Commercial service begins in April 2022, residential service begins in fall 2022, and in 2023, unincorporated areas of the County of Orange will come on line. Upon launch, OCPA expects to be one of the greenest Community Choice Energy programs in California.

Peninsula Clean Energy

Peninsula Clean Energy is the official electricity provider for San Mateo County and, beginning in spring 2022, for the City of Los Banos. Founded in 2016, the agency serves approximately 300,000

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.

Explore the range of CCA Program offerings here: cal-cca.org/cca-programs/

LEARN ABOUT OUR IMPACT

Community Choice Aggregation

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continues to grow and flourish. There are 24 CCA programs serving more than 11 million customers in California, and dozens of communities are either engaged in or currently considering CCA. Click below to learn more about CCA impact.

range of benefits including access to meetings and events, information, and resources. Member applications are welcome from active CCA providers and any city/county/JPA currently considering CCA formation.

Learn More

Learn More