2020 IMPACT REPORT



Welcome Message from the Board Chair and **Executive Director**



REFLECTIONS AND LOOKING FORWARD

Together, we powered through 2020, our first full year of providing clean power to more than one million customers. In the midst of the COVID-19 global pandemic, we became a virtual organization while also becoming the nation's leading provider of 100% renewable energy. This has enabled Clean Power Alliance to meet California's ambitious clean electricity goals 10 years early, a result of which we are justly proud.

We achieved these milestones while adhering to the local community values that are the foundation of our organization. Our Board of Directors approved a \$2 million COVID-19 Bill Relief Program to provide support to our most vulnerable community members when they needed it most. Through this program, we helped more than 77,000 residential and small business customers by providing bill credits that immediately reduced their electricity bills while linking them to long-term and ongoing financial assistance.

Meanwhile, we launched innovative programs and services like Power Response, which provides financial incentives for residential and commercial customers to reduce their electric usage during times of high demand for dirty power, and Power Share, providing low-income customers in underserved communities 100% Green Energy and 20% off their electricity bills. These and other programs were promoted through important community connections we made through our Community Based Organization Outreach Grant program, which reaches thousands of customers through trusted on-the-ground partners.

Our investment in local clean energy was robust and steady in spite of COVID-19 impacts on developer supply chains. In December, just in time for the holidays, Clean Power Alliance gave a gift to the planet in the form of two new renewable energy projects, one wind and one solar. And there is more to come, as we proudly added 10 additional long-term power procurement projects to our renewable energy portfolio in 2020 alone, with a strong emphasis on

Financially, we ended 2020 debt-free after paying back our \$10 million start-up loan from Los Angeles County and over \$17 million in a newly established Fiscal Stabilization Fund. Despite a difficult competitive landscape confronting us in 2021–market impacts from last summer's grid reliability challenges, rising levels of customer delinguencies, and an unfavorable regulatory environment are creating headwinds-we are confident that we will continue to stand together and support our communities by providing clean power at competitive rates, investing in the low carbon economy, and offering innovative customer-friendly programs.

Thank you to the entire Clean Power Alliance teamour forward-looking Board of Directors, member agencies, dedicated staff and valued customersfor everything we accomplished together.

Diana Mahmud Chair, Board of Directors



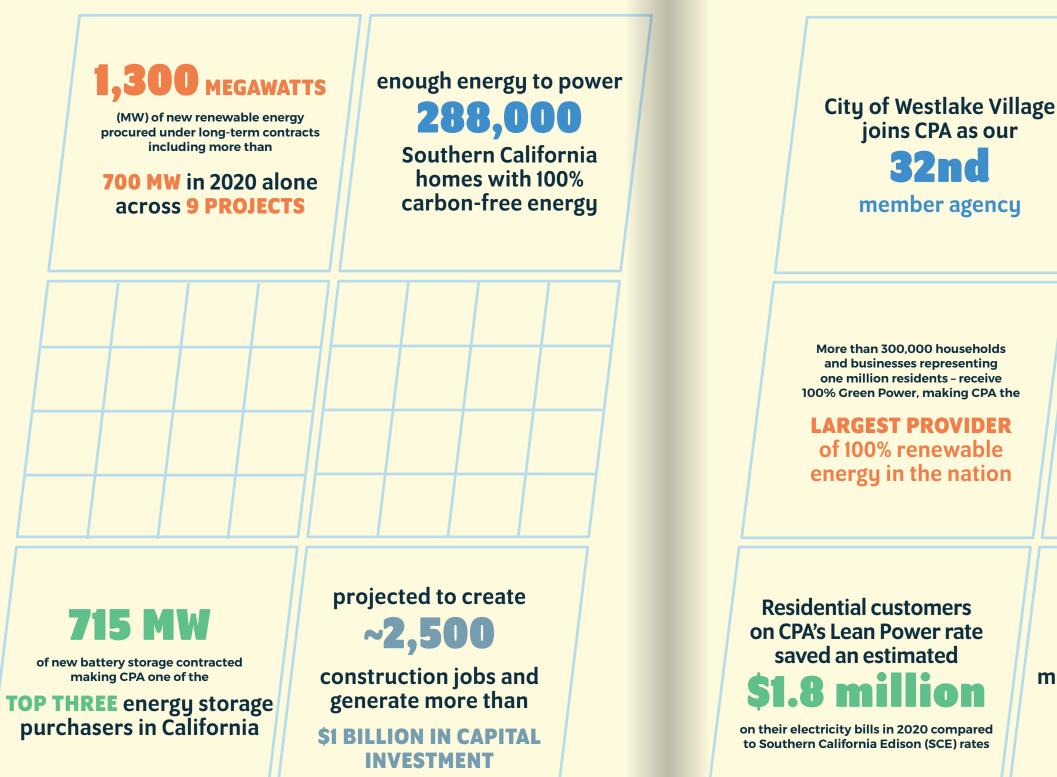
battery storage and resilience. The construction of a diverse, resilient and forward-looking power portfolio will continue to be a North Star for Clean Power Alliance, so that we continue to play a leading role in ensuring that the transition to a low-carbon grid is done safely and reliably.

In September 2020, we were proud to receive the 2020 Green Power Leadership Award from the Center for Resource Solutions (CRS) in recognition of the impact of our twelve 100% Green Power communities that have made Clean Power Alliance the nation's single largest provider of 100% renewable energy to customers. This leadership expanded when two of our member agencies-Malibu and Sierra Madreswitched their communities' default rate to 100% Green Power in October.

Deana Mahmur

Ted Bardacke Executive Director

A Reliable Supply of Clean Energy for a Brighter, Greener Tomorrow



More Clean Power for More People

CPA member agencies

power their communities with 100% Green Power, up from 10 in 2019

OVER 80% OF CPA CUSTOMERS

totaling approximately 800,000 households and businesses – more than

2.5 MILLION PEOPLE

received at least 50% renewable energy content with CPA's Clean Power and 100% Green Power rates

More than

890.0

metric tons of greenhouse gas emissions avoided

as a result of CPA customers' and communities' collective choices

*Based on 2019 data: 2020 data will be available mid-2021

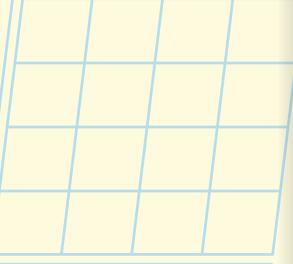
Investing in Our Communities

Local Programs for a **Clean Energy Future**

five-year strategic plan adopted calling for

VO mil

in local investment in customer programs and community priorities centered around building and transportation electrification, resiliency and demand management, and local renewable energy procurement



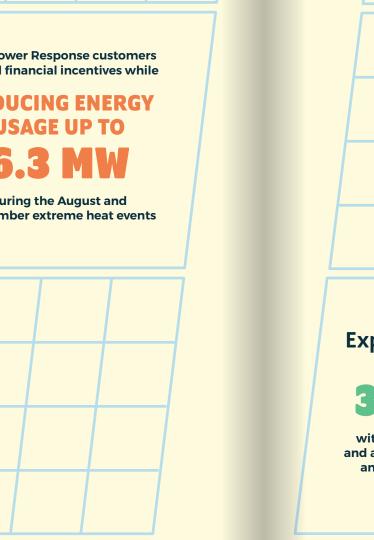
CPA Power Response customers earned financial incentives while

REDUCING ENERGY USAGE UP TO 6.3 MW

during the August and September extreme heat events

CPA committed **\$2 million** to COVID-19 Relief

providing more than 77,000 financially impacted residential and commercial customers with electricity bill assistance, including 79% new CARE/FERA/Medical Baseline customers - 33% of the new CARE/FERA/Medical Baseline customers are from Disadvantaged Communities



Building a Self-sustaining Organization



Power Procurement

Clean Power Alliance (CPA) secured more than 700 MW of new renewable energy projects and 715 MW of new battery storage in 2020, establishing CPA as one of the largest purchasers of new renewable energy capacity in California and one of the three largest purchasers of battery storage in the state.

To help achieve our ambitious renewable energy goals, between April and November 2020, CPA's Board of Directors approved a rapid succession of high impact long-term power purchase and energy storage agreements. These projects will generate enough clean energy to power 288,000 Southern California homes, approximately 17% of CPA's total load. Selected from hundreds of bids, these projects meet CPA's high standards for 1) economic value; 2) proximity to CPA territory; 3) development risk; 4) environmental stewardship; 5) workforce development; and 6) benefits to Disadvantaged Communities. They will help CPA continue to stay well ahead of the State of California's SB 100 renewable energy targets and keep pace with our customers high and growing demand for clean, reliable, and affordable zero-carbon energy.

OF NEW RENEWABLE ENERGY

455,000 metric tons

of avoided greenhouse gas emissions

OR

288,000 homes

in Southern California powered carbon-free

OR

98,000 automobiles

taken off the road for one year

OR

7.5 million trees

planted and grown for 10 years

HEALTHIER FAMILIES CLEANER COMMUNITIES

GREENER FUTURE

6



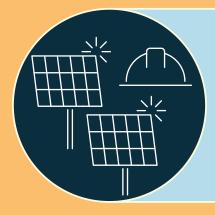
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Investing in CPA Service Territory: Estrella Solar plus Storage Project

As CPA's first renewable energy project to be built within our service territory, this project will be constructed by sPower, adding 56 MW of renewable energy capacity and 28 MW/I12 megawatt-hours (MWh) of battery storage in the Antelope Valley region of unincorporated Los Angeles County. The project will create approximately 200 construction jobs through a 5-trade project labor agreement. Operations will begin in December 2022.

Greening Jobs and Infrastructure: Daggett Solar and Storage Project

CPA signed a 15-year agreement with this project to supply 123 MW of solar energy and 61.5 MW/246 MWh of battery storage capacity. The project is being developed by Clearway Energy Group. The Power Purchase Agreement represents a portion of the larger Daggett Solar project, which is located on a repurposed former gas plant site in San Bernardino County, CA. The project will create approximately 500 construction jobs under a project labor agreement. Operations will begin in March 2023.



Striking Great Deals for Our Customers:

Arlington Solar and Storage Project

In 2020, CPA secured an additional 132 MW/528 MWh of storage through expansion of the previously approved Arlington 233 MW solar project in Riverside County, CA, to be owned and operated by a subsidiary of NextEra Energy Resources, LLC. By combining the solar and storage facilities, CPA will obtain new battery storage at a lower cost than by procuring the storage on a standalone basis due to investment tax credit benefits. The storage expansion portion of the project will add 20 more construction jobs and come online in August 2022.

Building Resilience and Reliability: Luna Storage Project

This project, the largest Energy Storage Agreement (ESA) deal for a Community Choice Aggregator (CCA) in California and one of the largest in the entire state, contracts for 100 MW/400 MWh from a standalone lithiumion battery storage project developed by sPower. The project will be located in Lancaster, within Los Angeles County, and is expected to be operational by Summer 2021. The 15-year agreement will create approximately 50 construction jobs through a project labor agreement.

Power Sources

We value transparency and the ability to provide clear and concise information to our customers regarding the source of their power. Our customers can see in CPA's 2019 Power Content Label below, our level of renewable and non-renewable energy that we supply to our customers. Renewable energy is collected from renewable resources, such as solar, wind, or geothermal to name a few. Nonrenewable energy is comprised of large hydroelectric or natural gas for instance. CPA publishes its Power Content Label each fall for the previous year per California Energy Commission reporting and verification requirements. CPA also voluntarily reports audited greenhouse gas emission factors through The Climate Registry. For more information visit theclimateregistry.com.

As indicated in CPA's 2019 Power Content Label, CPA purchased unbundled Renewable Energy Credits (RECs) to complete its 36% renewable energy Lean Power portfolio as well as a small fraction of its 50% renewable Clean Power portfolio in 2019. The California Energy Commission requires these to be listed separately in the Power Content Label although these RECs were created by eligible renewable energy generators, including a mix of biomass, wind, solar, and eligible hydroelectric.

Using CPA's Purchasing Power to Create Green and High Road Jobs

CPA seeks to leverage its purchasing power to create high-quality green jobs and careers. We prioritize energy projects that utilize project labor agreements, targeted-hire, union labor, or multi-trade labor agreements. Our long-term renewable energy and storage contracts to date will create approximately 2,500 well-paying construction jobs. In 2020 we distributed \$33,000 in scholarships to 29 students pursuing energy career pathways at four community colleges in Los Angeles County and three in Ventura County, in the first of four rounds funded by Terra-Gen, developer of our 2018 Voyager Wind project. We also mapped out a plan for a four-year, \$1 million strategic investment in workforce development, funded by our partner NextEra Energy Resources, that will equip workers to pursue family-supporting careertrack jobs - also known as "high road" jobs - in the rapidly growing transportation and building electrification sectors.

CPA and The Nature Conservancy Drive Environmental Stewardship in **Renewable Energy Development**

CPA is committed to being an environmental leader by providing customers with energy that delivers multiple benefits for air, water, and nature. In an innovative partnership, CPA and The Nature Conservancy have collaborated on a unique web-based mapping tool to screen long-term energy project proposals. This mapping tool communicates environmental risks and benefits of proposed projects, factors which CPA uses in its process of evaluating and selecting new energy suppliers. The partnership is helping drive the market for projects that avoid the most significant impacts, while also offering environmental benefits beyond greenhouse gas reductions - values that are good for business as well as conservation, climate, and communities.

CPA 2020 Long-term **Power Purchase Agreements**

Project	Location	Developer	Energy Capacity	Storage Capacity	Online Date
Estrella Solar and Storage	Los Angeles County, CA	sPower	56 MW	28 MW / 112 MWh	December 2022
Luna Storage	Los Angeles County, CA	sPower	-	100 MW	Summer 2021
Arlington Solar and Storage	Riverside County, CA	NextEra Energy Resources	233 MW*	132 MW / 528 MWh	August 2022
Daggett Solar and Storage	San Bernardino County, CA	Clearway Energy Group	123 MW	61.5 MW / 246 MWh	March 2023
Goldman Sachs Renewable Power Solar and Storage	San Bernardino County, CA	Middle River Power	100 MW	50 MW / 200 MWh	August 2021
Chalan Solar and Storage	Kern County, CA	Origis Energy	64.9 MW	25 MW / 100 MWh	December 2023
Sanborn Storage	Kern County, CA	Terra-Gen	-	100 MW / 400 MWh	August 2021
Rexford 1 Solar and Storage	Tulare County, CA	8minute Solar Energy	300 MW	180 MW / 540 MWh	October 2023
Azalea Solar and Storage	Kern County, CA	Idemitsu Renewables (formerly Solar Frontiers America)	60 MW	38 MW / 152 MWh	December 2022
Kaweah Small Hydroelectric	Tulare County, CA	Kaweah River Power Authority	20.1 MW	-	June 2020
Total	-	-	724 MW	714.5 MW	-



CPA 2019 Power Content Label

Energy Resources	Lean Power	Clean Power	100% Green Power	2019 CA Power Mix
Eligible Renewable*	0%	47.5%	100%	31.7%
Biomass & Biowaste	0%	4.8%	1%	2.4%
Geothermal	0%	8.9%	0%	4.8%
Eligible Hydroelectric	0%	0.3%	0%	2%
Solar	0%	7.4%	89.6%	12.3%
Wind	0%	26%	9.4%	10.2%
Coal	0%	0%	0%	3%
Large Hydroelectric	1.4%	13.5%	0%	14.6%
Natural Gas	0%	0.1%	0%	34.2%
Nuclear	0%	0%	0%	9%
Other	0%	0.3%	0%	0.2%
Unspecified Sources of Power**	98.5%	38.5%	0%	7.3%
Total	100%	100%	100%	100%
Percentage of Retail Sales Covered by Retired Unbundled RECs***	36%	3%	0%	

*The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.

Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. *Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHC emissions intensities above.





Greenhouse Gas Emissions Intensity

Beginning in 2021, for the 2020 reporting year, the **Power Content Label will include data on greenhouse** gas (GHG) emission intensity for each of our rate products. Until this time, our emission factors (listed below) are reported and independently verified by The Climate Registry, the leading nonprofit thirdparty voluntary reporting and verification system.

CPA Rate Product	Percent of Customers	MT/CO2e per MWh*
Lean Power (36% renewable)	19%	0.2760
Clean Power (50% renewable)	53%	0.1552
100% Green Power (100% renewable)	28%	0.0000
*Metric tons of carbon dioxide-equival	ent per megawatt-ho	ur of energy consumed.



Meeting the Needs of Diverse Communities

As the largest Community Choice Aggregator in the nation and the fifth largest electricity provider in California, CPA proudly serves more than one million residential and nonresidential customer accounts, representing some 3 million people across Los Angeles and Ventura Counties. Our 32 member cities and counties span the breadth and diversity of the region, from Ojai (population 7,470) to unincorporated Los Angeles County (population 1,095,592).

In 2020, the City of Westlake Village became CPA's newest member agency and two of our member agencies switched their default rate product for their communities to 100% Green Power, bringing the total number of 100% Green Power communities to 12 - 38% of our 32-member agency total.



CPA Member Agencies and Default Rate Tiers



Community Default	Lean Power	Clean Power	100% Green Power
Customers	173,210	527,441	306,142
Percent of Total	17%	52%	30%

100% Green Power	
100% Renewable Energy	
1. Agoura Hills (effective Oct. 2021)	
2. Calabasas (effective Oct. 2021)	
3. Culver City	
4. Malibu	
5. Manhattan Beach (effective Oct. 2021)
6. Ojai	
7. Oxnard	
8. Rolling Hills Estates	
9. Santa Monica	
10. Sierra Madre	
11. South Pasadena	
12. Thousand Oaks	
13. Ventura	
14. Ventura County Unincorporated	
15. West Hollywood	

93.4% of eligible customers have stayed with CPA since we began service

25%

of residential customers are enrolled in CARE, FERA, or Medical Baseline financial assistance programs



of CPA customers¹ – received at least 50% renewable energy content with CPA's Clean Power and 100% Green Power

1 totaling approximately 800,000 households and businesses, consisting of more than 2.5 million people.

Residential customers on CPA's Lean Power rate saved an estimated



on their electricity bills in 2020 compared to SCE rates

MORE THAN 890,000²

metric tons of greenhouse gas emissions avoided

as a result of CPA customers' and communities' collective choices

2 Based on 2019 data; 2020 data will be available mid-2021

CPA Recognized as Green Power Leader

CPA received a 2020 Green Power Leadership Award from the Center for Resource Solutions in recognition of our innovative and accelerated renewable energy procurement and the choices of our twelve 100% Green Power communities that have made CPA the single largest retail provider of 100% renewable energy in the nation. Other past and current award recipients include Apple, Google, Microsoft, AT&T, Marin Clean Energy, and the U.S. Navy.

Helping Customers In-need In a Challenging Year



Responding to the hardships brought on by the COVID-19 pandemic, CPA's Board of Directors established a \$2 million COVID-19 Relief fund to provide electric bill credits to customers in need. A wide-reaching multilingual campaign raised awareness of the available aid, resulting in more than 77,000 residential and small business customers receiving one-time bill credits from CPA when they enrolled in CARE, FERA or Medical Baseline financial assistance programs or signed up for a bill payment plan to help manage their utility bills while juggling other financial challenges.

Local Programs for a Clean Energy Future

A Roadmap for Community Investment Following a year of analysis and customer and community input, CPA released its Local Programs strategic plan in May 2020, calling for \$200 million in investments over the next 3-5 years to promote customer savings, green jobs and economic development, climate resilience, and local acceleration toward a clean energy future. CPA planned, piloted and launched initial offerings in each of the three programmatic areas identified in the plan: 1) resiliency and grid management; 2) electrification; and 3) local energy procurement.

Launched in December 2020, Power Share will provide 15 MW of new, local renewable energy to eligible low-income residential customers at a 20

eligible low-income residential customers at a 20 percent discount on their electricity bill. Renters and other customers who lack access to roof-top solar, can share in the financial benefits of solar and underserved communities can benefit from the health and economic development of local clean energy projects.

Solar Marketplace

2020 saw a surge of public interest in backup energy storage, driven by extreme climate events, wildfires, and power outages. CPA launched an online Solar Marketplace platform, offered through EnergySage, to allow customers to make informed decisions about solar and solar-plus-storage battery system investments, saving money, and reducing the impact of power outages. A user-friendly website enables customers to understand and compare customized, apples-to-apples cost and savings estimates from local, screeened contractors.

Local Renewable Procurement

Power Share Brings Green Power and Savings to Customers in Underserved Communities



Sharing Tools and Ideas for Local Energy Innovation

CPA continued its partnership with the Local Government Commission to host three 2020 Sustainable Energy Incubators in its ongoing quarterly series. Each virtual workshop brought together 50-75 local elected officials, member agency staff, community stakeholders and industry experts to examine emerging trends, including the impact of COVID-19 on energy markets and to discuss new technologies and opportunities to accelerate toward a net-zero carbon economy.



Peak Management Pricing

In 2019, CPA piloted a behavioral demand response program for commercial and municipal customers. In 2020, the program was renewed and renamed "Peak Management Pricing". The program allows non-residential customers to earn summer bill credits by voluntarily powering down appliances, air conditioning or other equipment during peak heat days. In addition to saving money, this helps reduce greenhouse gas (GHG) and air pollutant emissions caused by peak strain on the grid.

Resilience and Demand Management

Power Response Customers Moving the Grid

CPA piloted new smart technology demand response programs in 2020, providing a total of 478 participants with financial rewards for reducing energy use during peak demand events over the course of the hot summer months. Customers utilized their own smart thermostats, battery storage, or networked electric vehicle charging stations to modify their usage, or authorized program partner Olivine Inc. to automatically reduce loads in response to phone app or text message event notifications. Experience from the pilot will inform full program roll out in 2021 to continue and expand the financial and grid resilience benefits of shifting energy use away from the times when the electric system is at its dirtiest and most expensive.

Community Groups Connect Customers with Clean Energy Savings

Five community-based organizations (CBOs) became the inaugural cohort of CPA's first CBO Outreach Grant Program. Each grantee received \$20,000 to support community education and engagement with vulnerable and hard to reach populations in CPA's service territory. In spite of the unique outreach challenges presented by the COVID-19 crisis, our CBO partners reached many customers, helping to enroll then in available energy- and money-saving programs.

Breathe LA Oxnard

Ventura County, Oxnard, and Ventura **Temple City Chamber of Commerce** Temple City, Arcadia, Alhambra, and Unincorporated Los Angeles County

2020 CBO Grantees:

Unincorporated Los Angeles County

Climate First: Replacing Oil and Gas (CFROG)

Filipino American Chamber of Commerce, South Bay LA

Carson, Hawthorne, and Unincorporated Los **Angeles County**

MERITO Foundation Various communities in Unincorporated

CPA Customers Help Avoid Rolling Outages During Extreme Heat Waves

CPA customers pitched in and took collective action to avoid power outages by reducing their energy use during the summer's extreme heat events and statewide Flex Alerts, demonstrating the power of local communities to shape a clean energy future. CPA took part during the Flex Alerts by keeping customers informed with up-to-the-minute news and energy-saving tips as well as by activating our Power Response and Peak Management Pricing programs to reduce stress on the grid. Perhaps most importantly, we continue to meet and exceed our requirements to add new renewable energy and battery storage capacity to the grid to make it greener and more reliable.



Electrification

Decarbonizing transportation and buildings The CPA Board committed up to \$4.6 million in matching funds over three years to provide rebates to municipal and commercial customers for the installation of publicly accessible 24/7 electric vehicle charging stations in partnership with the California Energy Commission and the Ventura County Air Pollution Control District. Administered as part of the California Electric Vehicle Incentive Program (CALeVIP), the rebate program will roll out to customers across CPA's service territory in 2021.

CPA member agencies have begun investigating and in some cases adopted building electrification reach codes to take GHG-emitting fossil fuels out of new home and office construction. CPA will be looking in 2021 at ways to provide technical assistance to support more member agency initiatives in this important arena.

Financials

As a self-sustaining, debt-free organization financed by customer revenue, we've continued to be fiscally conservative and keep our operating expenses low during the uncertain economic times of 2020. As of June 30, 2020 we have accumulated \$46.6 million in reserves plus set aside another \$27 million in a Fiscal Stabilization Fund. A portion of this Fund helped CPA weather the electricity market volatility California and the west experienced in the summer of 2020.

July 1 to July 31

2020

OPERATING REVENUES

Electricity sales, net \$
Revenue transferred to Rate Stabilization Fund

Other revenue

Total operating revenues

OPERATING EXPENSES

Cost of electricity

Contract services

Staff compensation

General and administration

Depreciation

Total operating expenses

Operating income

NONOPERATING REVENUES (EXPENSES)

Interest income

Interest and related expenses

Total nonoperating revenues (expenses)

CHANGE IN NET POSITION

Net position at beginning of year

Net position at end of year

As of June 30

Total assets

Total liabilities

Fiscal Stabilization Fund

Total net position

1

2019

774,817,064	\$ 253,913,018
(27,000,000)	-
4,253,050	6,000
752,070,114	253,919,018
699,782,409	223,125,906
16,680,152	9,123,988
4,147,412	2,133,751
983,356	745,213
	-
721,593,329	235,128,858
30,476,785	18,790,160
361,022	121,962
(241,150)	(246,304)
119,872	(124,342)
30,596,657	18,665,818
15,988,978	(2,676,840)
46,585,635	15,988,978
186,141,764	142,783,564
112,556,129	126,794,586
27,000,000	-
46,585,635	15,988,978

Board of Directors

CPA is governed by a Board of Directors, which includes an elected official from each of our member agencies. Our 32-member Board of Directors is committed to providing our community's residents, businesses, and organizations with renewable energy options at competitive rates.



Community Advisory Committee

We also have a dedicated Community Advisory Committee (CAC). comprised of customers who are leaders in their communities. The CAC advises our Board of Directors on policies, programs, and planning, while also serving as advocates for our customers. Our 15-member committee represents seven sub-regions of our service territory. Our CAC members represent a diverse cross-section of community and professional backgrounds.

East Ventura/West L.A. County Agoura Hills, Camarillo, Calabasas, Moorpark, Simi Valley, and Thousand Oaks			
West/Unincorporated Ventura	So		
County	Ca		
Ojai, Oxnard, Unincorporated	Be		
Ventura County, and Ventura	Hi		

Gateway Cities Downey, Hawaiian Gardens, Paramount, and Whittier

rson, Hawthorne, Manhattan ach, Redondo Beach, and Rolling Hills Estates

Westside

Unincorporated L.A. County



n Gabriel Valley

cadia, Alhambra, Temple City, outh Pasadena, Claremont, nd Sierra Madre

outh Bay

West Hollywood, Santa Monica, Beverly Hills, Malibu, and Culver City





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