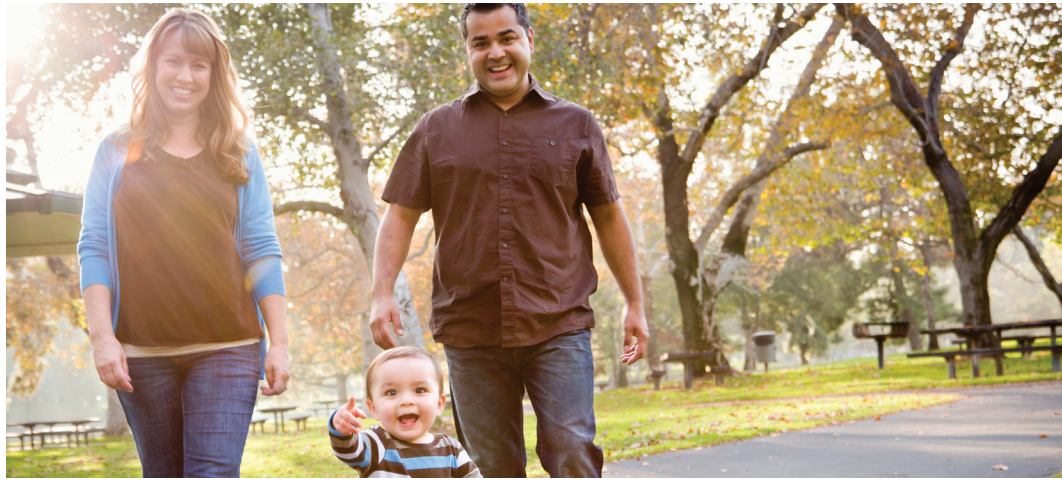


# 2017-2021 Impact Report

Central Coast Community Energy



Central Coast  
Community  
Energy

# Table of Contents

## Introduction

Joint Letter from Board Chair and CEO	3
Agency Goals	4

## Five Years of Progress

Milestone Timeline	6
Defining Progress	8

## Local Control

Our Board and Community Advisory Council	12
Our Customers	13

## Community Reinvestment

Supporting Small, Local and Diverse Businesses	16
Customer Savings	16
Energy Programs	17

## Clean Energy

Renewable/New renewable Investments to Date	20
Project Highlights	21

## Opportunities and the Future

Member Agencies	22
Regulatory Legislative Opportunities	22





# Joint Letter from Board Chair and CEO

Five years ago, many residents, businesses, and policy leaders on the Central Coast saw no feasible alternative to our region's electric service. Most of the energy powering our industries and our daily lives came from fossil fuels. Prices were set by a state agency in San Francisco; and while there was a place for public participation, it was a lot more complicated than calling your City Mayor, County Supervisor, or attending a local meeting.

Back then, people living here paid a rate of return to the investors who financed our utility service, and those dollars did not go back to our communities. We were behind on our goals to adopt renewable energy sources like solar and wind, reduce greenhouse gas emissions, and protect our environment for future generations.

Looking back, the energy landscape for our region in 2017 seems a world away. So much has happened since then, including a global pandemic.

But today we are well on our way to achieving 100% renewable energy by 2030. We have made sweeping changes in the way we pay for, produce, and consume energy. We have done it in the name of protecting our environment and giving choice and control back to our local communities. And while much work remains, our strides toward reducing the impact of climate change on public health – on deforestation, wildfires, and the ensuing risks to life and property – are forming a pathway to meaningful sustainability.

The 33 member agencies that make up Central Coast Community Energy (CCCE) each took a leap of faith in believing that together we could do things better. Our agency now serves more than 400,000 customers. There are more than twenty Community Choice Aggregation agencies, including ours, generating power for more than eleven million Californians. Collectively, we have procured nearly 10,000 megawatts in contracts for new-build clean energy sources.

Through innovation and tenacity, local governments up and down the Central Coast have demonstrated the progress we can make on solving seemingly insurmountable problems when we combine resources and believe that change is possible. Imagine what the next decade holds.



*Tom Habashi*

Tom Habashi  
Chief Executive Officer



*Steve McShane*

Steve McShane  
City Councilmember, Salinas  
Policy Board Chair

# Agency Goals



## Greenhouse Gas Reduction

CCCE is focused on reducing greenhouse gas emissions. CCCE continues to demonstrate how impactful environmental change can be achieved cost effectively.



## Affordable and Competitive Rates

CCCE is committed to providing electricity to customers at affordable and competitive rates. The prices the agency charges for electricity no longer follow Investor-Owned Utility rates, but are based on the actual cost to serve customers.



## Electrification through Energy Programs

Energy Programs accelerate electrification of the Central Coast's transportation, building, and agricultural sectors through funding and resources to assist with the transition from fossil fuels to clean and renewable solutions.



## Energizing the Local Economy

CCCE makes direct and indirect contributions to the Central Coast economy through affordable rates, job creation, preferencing local purchasing, and support of local businesses through electrification-focused energy programs.



## Rate Stability and Reliability

Long-term rate stability is an underlying goal in CCCE procurement strategies, rate design, energy program design, and in regulatory and legislative focus areas. The agency's creation of a Rate Stabilization Fund helps build the foundation for reducing the frequency of rate changes and the ability to absorb market fluctuations without impacting customers.





# 2021 Key Accomplishments

## CCCE Services Begins for 11 New Member Agencies

Arroyo Grande, Carpinteria, Del Rey Oaks, Goleta, Grover Beach, Guadalupe, Paso Robles, Pismo Beach, Santa Maria, Solvang, and Santa Barbara County join 22 Central Coast Communities served by CCCE.



## Local Energy Storage Projects

Contracts signed for four energy storage/battery projects in Gonzales, Salinas, Santa Maria, and Unincorporated Monterey County. All projects expected to be operational in 2026.



## Large-Scale Local Generation and Storage Projects

Request for Proposals supporting long-term agreements with a minimum of 20MWs generation, or standalone battery storage of 1MW or greater sited within CCCE service area.



## Community Reinvestment through Energy Programs

CCCE commits to its largest Energy Program fund to date. Electrify Your Ride makes \$2.8 million available to customers to electrify the transportation sector via rebates for vehicles, chargers, and electrical updates.



## CCCE and CA Energy Commission make \$12 million available for EV Chargers

Providing eligible CCCE customers in San Luis Obispo and Santa Barbara Counties with up to \$80,000 per DC fast charger and \$6,000 per Level 2 charging station to increase public access to EV charging.



## New Renewable Energy Infrastructure

Construction begins on 2nd and 3rd of six new renewable energy projects supported by CCCE: Casa Diablo IV Geothermal (30MWs) in Mammoth Lakes, CA and Rabbitbrush Solar (100MWs) in Kern County, CA.



## Grant Program for Community Education, Workforce Training, and Municipal Electrification Projects

Funds will support electrification education targeting disadvantaged communities, e-bike lending libraries, EV adoption, paid energy sector student internships, energy curriculum development and implementation.



## Local Vendor Registry

In support of small, local, and diverse businesses, CCCE initiated its Local Vendor Registry to increase positive local economic impacts.



## Member Agency Services

Supporting growth of clean energy and electrification through 33 members agencies each uniquely positioned to accelerate progress through regulatory and policy action, fleets and facilities, and community action.



# 5 Years of Growth and Progress

**MARCH  
2017**



Monterey Bay Community Power (MBCP) was founded to provide clean affordable energy to customers in Monterey, San Benito, and Santa Cruz Counties

**DECEMBER  
2018**



Expansion to the Cities of Morro Bay and San Luis Obispo

**JANUARY  
2020**



MBCP service begins for the Cities of Morro Bay and San Luis Obispo



MBCP secures its first agreement for local energy storage, securing Resource Adequacy from the Cal Flats Solar Project

**MARCH  
2018**



MBCP service begins



Formation of Community Advisory Council

**DECEMBER  
2019**



Expansion to the County of Santa Barbara and Cities of Arroyo Grande, Carpinteria, Del Rey Oaks, Goleta, Grover Beach, Guadalupe, Paso Robles, Pismo Beach, Santa Maria, and Solvang

**SEPTEMBER  
2020**



Agency change  
Coastal  
Energy

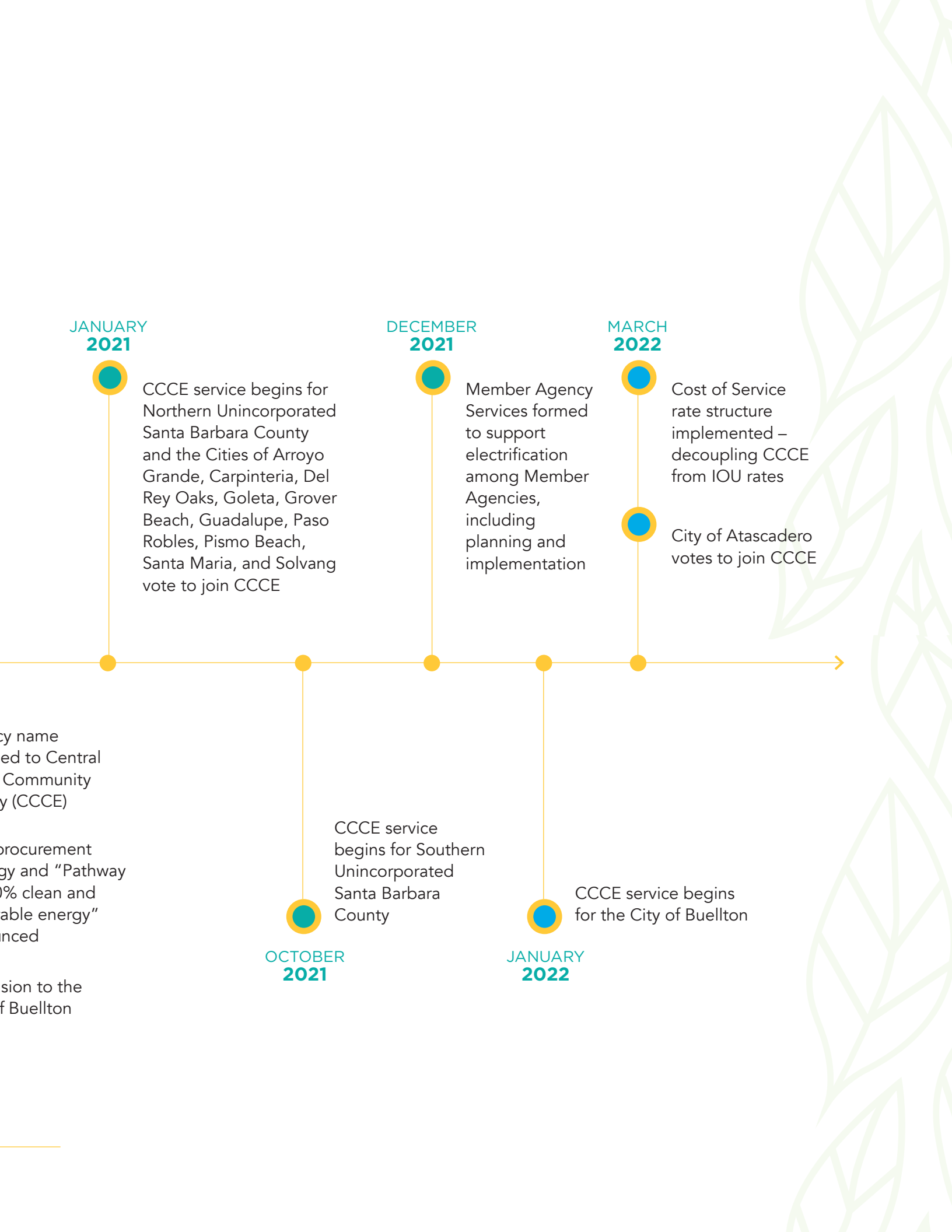


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JANUARY  
2021

CCCE service begins for Northern Unincorporated Santa Barbara County and the Cities of Arroyo Grande, Carpinteria, Del Rey Oaks, Goleta, Grover Beach, Guadalupe, Paso Robles, Pismo Beach, Santa Maria, and Solvang vote to join CCCE

DECEMBER  
2021

Member Agency Services formed to support electrification among Member Agencies, including planning and implementation

MARCH  
2022

Cost of Service rate structure implemented – decoupling CCCE from IOU rates

City of Atascadero votes to join CCCE

Agency name  
changed to Central  
Coast Community  
Energy (CCCE)

Procurement  
strategy and "Pathway  
to 100% clean and  
sustainable energy"  
announced

Accession to the  
City of Buellton

OCTOBER  
2021

CCCE service  
begins for Southern  
Unincorporated  
Santa Barbara  
County

JANUARY  
2022

CCCE service begins  
for the City of Buellton



# Defining Progress

## Leading with Innovation

CCCE Boards have consistently put the agency and its customers ahead of the curve by anticipating industry trends and changes to state energy policies. Years before reliability concerns led the CPUC to mandate energy storage procurement, CCCE signed power purchase agreements with California's largest solar-plus-storage project and the state's most advanced geothermal project in 30 years. The Slate 1 Solar project now supplies power at times when the CCCE service area needs it most, while the CD4 geothermal project will supply renewable energy around the clock, every day of the year.

Foresight has also played a role on the financing front, where CCCE was instrumental in the formation of CC Power and CCCFA—which is a finance conduit entity designed to help Community Choice Aggregators (CCAs) save through bond financed prepay deal structures. This Joint Powers Authority combines the buying power of ten CCAs to reduce energy costs and financial risk.

Embracing emerging technologies has also been a mainstay of CCCE's policy direction and progress toward its goals. Within the dynamic world of energy storage, three of four local energy storage projects being negotiated will deploy vanadium energy storage technology. Vanadium batteries have a longer operational lifespan than earlier technologies, operate with a slower release for longer duration storage, and are safer due to non-flammable materials.

## Financial Stewardship

Energy markets are notoriously volatile, but CCCE has implemented effective safeguards against market fluctuations. In 2020, CCCE

received an 'A' investment-grade credit rating, a first among California CCAs and a milestone toward further reducing energy costs and reaching 100% clean and renewable energy by 2030. Boards have also prioritized growing the Rate Stabilization Fund to weather market challenges and remain competitive with IOUs.

## Navigating Challenges

While no business is immune to challenges, looking at obstacles as opportunities has served CCCE and its customers well. Historically, all Community Choice Aggregators (CCAs) operating in California – currently 24 and counting – have calculated their rates the same way: match the investor-owned utility rates and apply a discount. Under this system, if IOU rates go up or down, CCA rates must be recalculated too. With some IOUs changing rates multiple times a year, many customers find their utility bills indecipherable and complex, with new charges, changing charges, and unpredictable costs.

Following extensive research and customer engagement, CCCE approved a Cost-of-Service rate structure for the agency, which bases the prices customers are charged for energy on the cost of procuring that energy. By separating its rate design from the IOUs, CCCE is now able to deliver predictable rates that are affordable and fair across all customer classes. Utilizing a cost-based rate structure puts CCCE and its customers in a class of their own.

## Growth Mindset

In the early 2010s, when CCCE was merely a concept, the promise of an innovative agency focused on local control, clean energy, and community reinvestment found favor within communities across the Central Coast. What



was first an idea for Santa Cruz County quickly grew to include neighboring Monterey and San Benito Counties. Today, CCCE serves 33 communities in five counties from Santa Cruz to Santa Barbara.

As a community-focused organization, inviting adjacent cities and counties to join was both the neighborly thing to do and a reflection of the agency's tireless desire to do more: to combat the climate crisis, in support of customers, and in consideration of underserved communities that deserve more equitable access to clean energy resources. As CCCE's service area has grown, so too has the agency's potential to deliver economic and environmental benefits.

### Responsiveness to Community Needs

At its core, the CCA model is a response to community needs. Participating cities and counties want more control over their electricity service, desire to grow clean and renewable energy resources, and aspire to turn an essential utility service into a vehicle for economic growth and environmental protection.

A portion of CCCE revenue is reinvested into the communities it serves through the agency's energy programs department, which designs rebate and incentive programs to help customers adopt cleaner technologies in their homes and businesses. In 2021, energy programs staff worked alongside the Community Advisory Council to engage in a design process that included a series of workshops focused on determining community priorities, establishing program design criteria, and evaluating concepts before finally selecting program areas for upcoming years. Each workshop was promoted through community outreach and

bilingual paid advertising campaigns.

Also in 2021, in response to the Covid pandemic, CCCE implemented \$24 million in temporary billing relief for all customers. CCCE continues to promote financial assistance programs and maintains a web page dedicated to local, state, and federal financial resources for qualified customers. CCCE also serves as a conduit for programs such as the California Arrearage Payment Plan (CAPP), which has delivered nearly \$3 million to CCCE customers. This year, CCCE will apply a \$100 bill credit to income-qualified customers in the PG&E service area.

### A Pathway to 100% Clean and Renewable Energy by 2030

When CCCE began service, electricity from "carbon free" sources set the bar for procurement strategy and emissions reduction. While this attainable goal served the agency and its customers well during startup years, leadership's forward thinking produced the position that being "carbon free" via attributes or carbon offsets was not driving enough environmental change, nor contributing to a cleaner, more reliable grid.

Staff proposed an innovative, impactful strategy designed for more tangible progress through long-term agreements with new renewable energy and storage projects. When Boards approved this updated procurement strategy, the Pathway to 100% Clean and Renewable Energy by 2030 was set, charting CCCE and customers on a course to meet the state's zero emissions mandate 15 years ahead of schedule.

# Local Control

The CCA model is rooted in local control. Decisions regarding power procurement, rates, and any important business related to the agency are made in meetings where the public is free to participate.

CCCE Policy and Operations Board members also represent each community that CCCE serves either as active city or county administrators or elected officials. Administrators serving on the Operations Board oversee day-to-day functions of the agency while elected officials advise and vote on decisions that affect rates, policies, and strategic direction. Additionally, CCCE established its Community Advisory Council shortly after launching in 2018 to facilitate ongoing community engagement and help identify the unique needs of the Central Coast's diverse communities.

In 2021, community stakeholders voiced their opinions on a range of important topics. Their positions informed Board policies that helped the following initiatives come to life in 2021.

- **Backup Power Resources:** Bolstered by community input about the need for backup power resources at critical facilities, the agency collaborated with the County of Santa Cruz to provide backup power for three different facilities through the Uninterruptible Power Supply Fund.
- **Electric Rates Set Locally:** After extensive community engagement, CCCE Boards adopted a cost-based rate structure for reliable, transparent, and fair rates across all customer classes. These rates allow for continued community reinvestment, increased rate stabilization funds, and additional support for customers in underserved communities.
- **Energy Programs Design:** Building off evaluation criteria, priorities, and concepts established through extensive community engagement in 2020 and 2021, the Energy Programs department utilized input from the CAC and launched a new series of programs in 2021, including higher rebates for low-income customers, additional funding for electric vehicles and ag electrification, plus a suite of incentives designed specifically for member agencies.
- **Large-Scale, Local Generation and Storage Projects:** Community voices and CCCE align on the commitment to support local generation and storage projects. CCCE issued a Request for Proposals with the potential to support local economic development while contributing to the agency goal of 100% clean and renewable by 2030.

## 2021 COMMUNITY ENGAGEMENT EVENTS

Types of Event	Policy Board Meeting	Operations Board Meeting	Community Advisory Council (CAC) Meeting	Programs Workshop	CCCE Events Hosted or Participated In
Number of Events	8	9	10	2	200



- **Supplier Diversity Report:** In 2021 CCCE filed its first annual Supplier Diversity Report, creating an avenue for local and diverse-owned businesses to engage with the agency through vendor contracts. The agency will look to businesses signed up through its Vendor Registry for services including consulting, catering, marketing, legal, and more.
- **Underserved Communities Outreach Plan:** Staff worked with the Community Advisory Council on a comprehensive Underserved Communities Outreach Plan based on community feedback, staff insights, and recommendations from community-based organizations. The plan covers advertising, event sponsorships and strategic partnerships as well as beginning to identify needs and geographic location of vulnerable populations.
- **Community Education:** Lack of consumer awareness has slowed regional adoption of electrification in the CCCE service area and beyond. As a result, grant programs focused on community education were established.
- **Broadband Access:** The agency continues to pursue opportunities to support broadband access for underserved communities, which is vital to economic participation and opens the door to power demand management programs that will increase reliability as the grid shifts to cleaner power.



## CCCE BOARDS AND COMMUNITY ADVISORY COUNCIL

All CCCE Policy and Operations Board meetings, as well as Community Advisory Council (CAC) meetings, are open and accessible to the public.

To assure representation of all communities and customers served, CCCE Boards are comprised of elected officials and city/county administrators from its member communities. In 2020, the Policy Board amended its Operating Rules and Procedures to provide for Limited Memberships, which allow non-seated jurisdictions to attend and participate in Board discussions.

CCCE POLICY BOARD STRUCTURE								
County of Santa Cruz • City of Santa Cruz • City of Watsonville • County of Monterey City of Salinas • County of San Benito • County of Santa Barbara • City of Santa Maria								
Coastal Cities	Peninsula Cities	South Monterey County Cities	San Benito Cities	Santa Cruz Cities	San Luis Obispo Cities	South County Cities	Santa Barbara County Cities	Santa Barbara County Cities
Marina	Carmel		Hollister*	Capitola*		Arroyo Grande	Guadalupe	Goleta
Sand City*	Monterey	Greenfield	San Juan Bautista	Scotts Valley	San Luis Obispo*	Grover Beach	Solvang*	Carpinteria*
Seaside	Pacific Grove*	Gonzales*			Morro Bay		Buellton	
Del Rey Oaks		Soledad			Paso Robles	Pismo Beach*		
CCCE OPERATIONS BOARD STRUCTURE								
County of Santa Cruz • City of Santa Cruz • City of Watsonville • County of Monterey City of Salinas • County of San Benito • County of Santa Barbara • City of Santa Maria								
Coastal Cities	Peninsula Cities	South Monterey County Cities	San Benito Cities	Santa Cruz Cities	San Luis Obispo Cities	South County Cities	Santa Barbara County Cities	Santa Barbara County Cities
Marina	Carmel*		Hollister*	Capitola*		Arroyo Grande	Guadalupe	Goleta*
Sand City*	Monterey	Greenfield	San Juan Bautista	Scotts Valley	San Luis Obispo*	Grover Beach	Solvang*	Carpinteria
Seaside	Pacific Grove	Gonzales*			Morro Bay		Buellton	
Del Rey Oaks		Soledad			Paso Robles	Pismo Beach*		
*City representative currently serving in a shared seat								

### Policy Board of Directors

#### Meets 4 times each calendar year including Annual Meeting

Comprised of elected officials from CCCE's member agencies, the CCCE Policy Board provides guidance and approval in strategic planning, goal setting, budgeting, customer rates, and large capital expenses outside day-to-day power procurement activities.

### Operations Board of Directors

#### Meets 9 times each calendar year including Annual Meeting

Members of the CCCE Operations Board are County Administrators, City Managers, or other senior staff within CCCE's member agencies. The Operations Board provides oversight and support on matters pertaining to the provision of electrical service to customers and the routine operations of CCCE.

### Community Advisory Council

#### Meets 7 times each calendar year including Annual Meeting

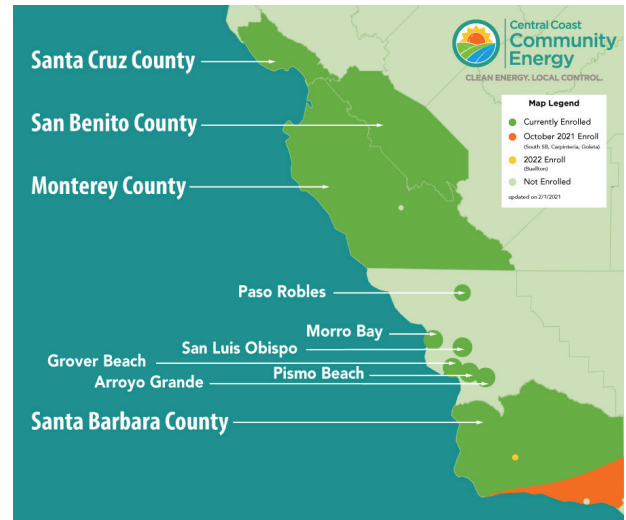
The Community Advisory Council represents the perspectives and priorities of the communities served by CCCE. With the goal of providing feedback to the Policy and Operations Boards, this 15-member group represents CCCE's customers and stakeholders. CCCE solicits applications from citizens that reside or work within the agency's service area to become members of the CAC.



## OUR CUSTOMERS

As a community-focused public agency, engagement with our customers is a driving force for much of the agency's work.

Through direct customer contact, staff-hosted webinars, virtual workshops as well as community events, surveys, and membership in business, environmental and community-based organizations, CCCE staff is constantly looking for new opportunities to reach and build positive relationships with our customers.



CCCE serves four counties and 29 cities along the Central Coast. Major industries in CCCE service area are agriculture, tourism & hospitality, higher education, government, military, and healthcare.

## RESIDENTIAL

At 340,662, residential customers comprise CCCE's largest customer segment, a group in which nearly 20% of customers (64,872) are categorized as low-income through their participation in PG&E's and SCE's CARE or FERA rate-assistance programs. Conversely, this influential and engaged segment accounts for just 36% of CCCE's total load. This underscores the fact that CCCE's service area is incredibly diverse and its customers each have their own unique needs.

Surveys administered in 2020 showed that the majority of respondents choose clean energy and competitive rates as their first and second priorities, respectively. These results suggest that being a CCCE customer involves both economic and environmental considerations.



While CCCE has initiated important regional gains toward climate goals, individual residents and households still play important roles in reaching statewide goals. The Copeland family utilized Electrify Your Ride rebates to offset EV readiness costs associated with a new Accessible Dwelling Unit for senior family members, and a new electric vehicle.

"The CCCE rebate helped our daughter get her first car. The application and our experience working with CCCE was simple and efficient," shares Alexis Copeland. "An excellent community resource, we have encouraged many of our friends to investigate. Participating in this Energy Program affirms and rewards our plan to have an environmentally sensitive and conscious lifestyle."

### Customer Segment Snapshot - Residential

# Customers (Jan 2021 Enroll)	Elec. Generation load (MWh)	Enrollment by Customer Count	Enrollment by Load
340,662	1,824,771,638	93.73%	93.23%



## COMMERCIAL

Among all CCCE customer segments, commercial customers account for the largest portion of energy usage and revenue generation within CCCE's service area. This segment also includes the city and county governments served by the agency.

Commercial customers play an integral role in achieving agency goals. By collaborating with local businesses to understand their needs and priorities, CCCE is able to move the Central Coast's industries towards their own financial, operational, and environmental goals.

### Customer Segment Snapshot - Commercial

# Customers (Jan 2021 Enroll)	Elec. Generation load (MWh)	Enrollment by Customer Count	Enrollment by Load
52,658	2,370,195,038	97.24%	95.01%



The Monterey Regional Waste Management District (MRWMD) has been a champion of sustainability for decades, turning waste into resources. The agency is recognized as a leader and an important regional employer. The staff at MRWMD applied for and received CCCE Energy Program funding for installation of six publicly accessible Level 2 electric vehicle (EV) chargers-and they're powering them with renewable energy from their own biogas generator.

"MRWMD has been generating renewable energy from landfill biogas since 1983," shares Guy Petrabor, Director of Engineering & Compliance. "The EV Charging Stations mark the latest evolution of the beneficial use of renewable energy to reduce emissions to the environment. MRWMD applauds CCCE's and Monterey Bay Air Resources District's efforts to reduce emissions through electrification."

## AGRICULTURAL

It's no exaggeration to term agriculture the backbone of the local economy on California's Central Coast. The ag industry has significant and dynamic energy needs. While ag depends on large-scale electricity to pump water for crops, it has also become one of our region's pioneers in addressing environmental impacts. Providing economic incentives to major farming operations to electrify pumps and motors presents enormous opportunities for collaboration and improvement of air quality and emissions levels.

### Customer Segment Snapshot - Agricultural

# Customers (Jan 2021 Enroll)	Elec. Generation load (MWh)	Enrollment by Customer Count	Enrollment by Load
5,104	741,879,059	96.84%	98.53%



Located in the Santa Ynez River Valley, Winfield Farms is one of many small-to-medium-sized businesses benefiting from CCCE service. In addition to cost savings and access to energy program funding, CCCE's underlying commitment to reducing GHG emissions through clean energy solutions found support in Winfield Farm's clean-energy goals.

"We appreciate the fact that CCCE's Ag Electrification Program is offering help to smaller-sized farms. Clean-energy solutions will require a lot of innovation to attain the emissions goals that California has set," shares owners Bruce and Diane Steele. "We had already purchased a 5kW solar array and 2 Tesla power walls, so obtaining an electric tractor is another big step forward. These funds are a major help to reach Winfield Farm's goal to attain a 100% solar electric farm."



# Community Reinvestment

Contributing to the economic vitality of our Central Coast region is a founding goal for CCCE. Making positive contributions to the Central Coast economy has come to be referred to as "Community Reinvestment." This descriptor also affirms the value proposition of the CCA model, from energy programs and clean energy workforce development, to supporting the region's small, local, and diverse businesses through purchase of goods and services.

## CUSTOMER SAVINGS

Since launching in 2018, CCCE has consistently provided electricity generation services at a savings when compared to PG&E or SCE and 2021 was no exception. Like all other California CCAs, CCCE has followed a rate structure that is based on mirroring IOU rates - inclusive of IOU fees - and applying a discount. In late 2021, CCCE Policy Board gave final approval to a cost-based rate structure that more accurately reflects the true costs of serving our customers and provides reliable, transparent, and fair rates while remaining highly competitive with IOU rates.

	2021 Customer Savings*
Agriculture	\$949,106
Commercial	\$2,933,434
Residential	\$2,223,398
<b>Total</b>	<b>\$6,105,938</b>

\*Savings based on comparing 2021 CCCE Electric Generation Rates to 2021 PGE & SCE Electric Generation Rates

## SUPPORTING SMALL, LOCAL, AND DIVERSE BUSINESSES

In 2021 CCCE passed the Small and Local Preference Policy and instituted a Local Vendor Registry to contract with more small, local, and diverse businesses. CCCE rolled this initiative into outreach efforts and began growing a list of go-to local businesses for future goods and service needs.

CCCE also filed its first Supplier Diversity Report with the CPUC as the foundation for continued and transparent growth in this area of community reinvestment. Procurement and spending activities are directed whenever possible to small, local, and diverse business enterprises. In so doing, CCCE maximizes its economic impact in the region, delivers on the promise of its mission, and works toward meeting the statewide objectives set by Senate Bill 255.

Additionally, many program incentives are tiered to provide the greatest benefit to customers with the fewest resources, thereby encouraging greater participation by those who have historically faced barriers to access.

## Summary of Measures Reported in the 2021 Supplier Diversity Report

**\$49,918**

Spent on local events & sponsorships

**\$31,459**

Spent on Women's Business Enterprise (WBE)

**\$979,233**

Total CCCE spend in service area with local businesses

**13**

New hires

**\$14.1 million**

Allocated to energy programs

**\$25 million**

Allocated for resiliency at critical facilities



## ENERGY PROGRAMS

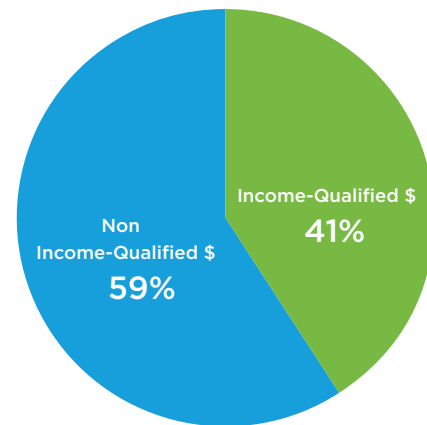
Funding made available to CCCE customers through Energy Programs continues to be one of the most significant contributors to community reinvestment; CCCE allocates 3% of gross revenue to Energy Programs. Since launching in 2018, CCCE staff has collaborated with local and statewide agencies to make more than \$26 million available to CCCE customers.

Designed to assist households and businesses with the transition from fossil-fuel sources to clean-energy solutions, energy programs target the three sectors which make the biggest contributions to Central Coast GHG emissions: transportation, building, and agriculture. In addition to improving energy resiliency, CCCE Energy Programs are accelerating electrification while making significant contributions to GHG reductions, as well as making valuable funding available to customers.

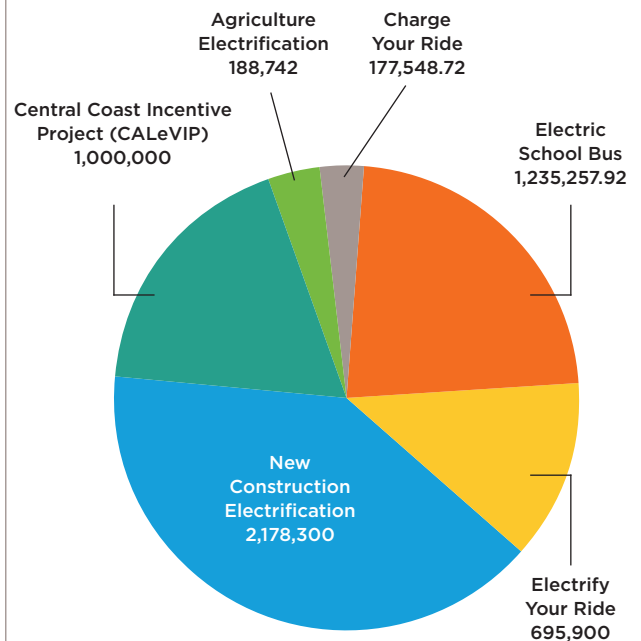
In addition to supporting agency goals, CCCE Energy Programs help to address equity and the unique needs and priorities of the Central Coast's diverse communities. Achieving these objectives requires consistent community engagement to gain a clear understanding of what CCCE communities need most. Residential customer energy programs offer increased incentives for income-qualified applicants. Other programs that may not exclusively target disadvantaged communities can nevertheless provide additional gains. For example, nearly all funding for the Electric School Bus Program is going to Title 1 schools.

Through direct contact, workshops, surveys and the Community Advisory Council, CCCE has involved customers and stakeholders in every aspect of energy program design; from evaluation criteria to concepts and implementation. Energy programs remain a hallmark for local control and the power of community input.

**Income-Qualified vs. Non Income-Qualified Program Incentive**



**Total Incentives Approved/Reserved**



ENERGY PROGRAMS					
Program	Number of Approved projects	Total CCCE Incentive Approved	Total Program Budget	\$ for Equity Projects	Results
Agriculture Electrification	14	\$188,742	\$400,000	-	Estimated 65,000 gallons of fossil fuel reduced. Air quality and workplace improvements for local ag businesses.
Charge Your Ride	235	\$177,549	\$1,000,000	\$15,155	8 Home Charger installations at CARE/FERA customer sites.
Electric School Bus	7	\$1,235,258	\$295,000	-	7 electric buses. Air quality improvements for students and the community at large.
Electrify Your Ride	360	\$695,900	\$2,200,000	\$120,400	39 EVs purchased by CARE/FERA customers.
Ed Grants	7	\$290,660	\$295,000	-	-
New Construction Electrification	24	\$2,178,300	\$700,000	\$1,792,500	717 all-electric affordable housing units.
Central Coast Incentive Project	61	\$1,000,000	\$2,200,000	\$324,807	24 new Public EV charging stations.
<b>Total</b>	<b>701</b>	<b>\$5,766,409</b>	<b>\$7,090,000</b>	<b>\$2,252,862</b>	<b>Over 75% of the programs budget was approved/reserved.</b>





E-BIKES

E-BIKES

OPEN

E-BIKES  
SOLD  
HERE



# Clean Energy: Pathway to 100% Clean and Renewable

Expanding technologies, historic lows for the cost of renewable energy, rising costs for carbon-free energy credits, and a need for greater greenhouse gas emissions reductions led CCCE staff to reassess its power procurement strategy in 2021.

A path forward was identified that could accelerate progress toward GHG reduction while leveraging long-term and low-cost energy contracts for enhanced rate stability. By focusing on new-build renewable energy generation, procurement could provide more impactful and longer-lasting gains. Altogether, these changes created a power procurement strategy that promises to deliver 100% clean and renewable energy by 2030; 15 years ahead of statewide goals.

Other factors in this decision included continued unpredictability and rising costs associated with the Power Charge Indifference Assessment (PCIA) fee, as well as increasing costs for hydroelectric and its associated carbon-free attributes.

CCCE's Pathway to 100% Clean and Renewable will help reduce power supply costs by \$8.5 - \$15MM per year, or approximately \$117MM over the next

10 years. Simultaneously, CCCE will increase its commitments to new renewable energy sources from 453 MW to an estimated 1,800MW. Coupled with storage, these changes will make significant contributions to a cleaner and more reliable grid.

Operational changes like the Pathway to 100% Clean and Renewable energy help the agency meet its goals and create meaningful opportunities such as the four local generation and storage projects approved in 2021. Other notable gains in clean and renewable energy include continued emissions reduction through support of community climate action plans, reach code incentives, energy programs focused on transportation, building and agricultural electrification.

Altogether, CCCE's commitment to supporting the growth of clean and renewable energy as well as providing equitable access to clean energy resources will yield significant impacts for the Central Coast. Though CCCE is locally focused, these impacts are truly moving the needle on a statewide level.

	Now	Transitioning Through 2025	Transitioning Through 2030
<b>Clean and Renewable Resources</b>	Heavy reliance on existing resources, short-term renewable (RPS) and large hydro credits	Reach 60% RPS renewable resources, 5 years ahead of state RPS mandate	Reach 100% RPS renewable resources, 40% above state RPS mandate  Reach that goal with longterm PPAs, nearly double the goal set by SB350
<b>GHG Accounting</b>	Multi-year RPS Compliance Filings Annual Power Content Label (PCL)	Study the feasibility of transitioning to monthly balancing of demand and renewable resources	Achieve monthly balancing of demand and clean and renewable resources



## RENEWABLE AND NEW RENEWABLE INVESTMENTS TO DATE

Since launching, CCCE has executed seventeen long-term Power Purchase Agreements totaling 889MW of renewable generation and \$2.1 billion invested.

PROJECT NAME (EXECUTED PPAS)	SOURCE	GENERATION MEGAWATT	BATTERY MEGAWATT	LOCATION	EXPECTED ONLINE DATE	DELIVERY TERM (IN YEARS)
RE Slate (Recurrent)	Solar + Storage	67.5	33.75	Kings County	3/01/22	17
BigBeau (EDF)	Solar + Storage	57.6	18.0	Kern County	9/01/22	20
Mammoth Casa Diablo IV	Geothermal	7.0	N/A	Mono County	6/22/22	10
Coso Geothermal Power	Geothermal	66.3	N/A	Inyo County	01/01/22	15
Rabbitbrush (Frist Solar)	Solar + Storage	60.0	12.0	Kern County	9/01/22	15
Yellow Pine (NextEra)	Solar + Storage	75.0	39.0	Clark County, NV	3/01/23	20
California Flats BESS	Storage		60.0	Monterey County	9/21/21	10
Aratina (8ME)	Solar + Storage	120.0	30.0	Kern County	12/23/23	20
Mountain View	Wind	33.3	N/A	Riverside County	7/22/22	20
Atlas Solar	Solar Only	150	N/A	La Paz County, AZ	6/23/23	10
Angela	Solar + Storage	20	10	Tulare County	7/23/23	15
Victory Pass	Solar + Storage	100	25	Riverside County	9/23/23	15
San Luis West	Solar + Storage	62.5	15.625	Fresno County	12/23/23	15
Jasmine	Solar + Storage	70	17.5	Kern County	6/24/24	12
RPCA Storage 1	Standalone Energy Storage 4-hour Lithium-Ion	N/A	10	Santa Barbara County	12/24/24	20
Bodega Energy Storage	Standalone Energy Storage 8-hour Vanadium	N/A	10	Monterey County	6/01/26	20
Green Valley Energy Storage	Standalone Energy Storage 8-hour Vanadium	N/A	16	Monterey County	6/01/26	20
Rava Mesa Energy Storage	Standalone Energy Storage 8-hour Vanadium	N/A	6	Monterey County	6/01/26	20
<b>Total</b>		<b>889</b>	<b>303</b>			



Slate 1 solar-plus-storage project nears completion in Fresno County



Construction begins on Casa Diablo Geothermal Project near Mammoth Lakes, CA

# Opportunities and the Future

From the beginning, CCCE's Boards have navigated the unpredictable nature of California's energy market while continuing to make significant progress on the agency's long-term goals. This includes goals concerning community engagement, where agency staff have continued to build relationships with customers and stakeholder groups. Being responsive to community priorities and needs helps to further shape the agency's strategic objectives.

With each passing year, CCCE customers and member agencies find ways to play a big role on a small scale, making regional progress toward climate goals. Electrifying the transportation, building, agricultural, and commercial sectors is essential if we are to reduce emissions to levels safe for the planet. The antidote to climate anxiety is action, and together we have already made measurable progress.

## MEMBER AGENCIES

The cities and counties that CCCE serves are uniquely positioned to engage and inspire local households and businesses to action. Local governments can amplify messages and opportunities around electrification, GHG emissions reduction, and local economic development.

Member Agencies can also accelerate progress toward shared goals through their relationships with state-level officials. Enlisting their voices to push for state and federal incentives for investment tax credits, production tax credits, energy efficiency programs, and the critical assessment of the utility industry holds great potential.

## REGULATORY AND LEGISLATIVE OPPORTUNITIES

CCCE staff is also engaged in regulatory and legislative initiatives focused on the energy industry, regularly weighing in on policies proposed at the state level to ensure fairness, equity, and progress toward a complete transition to renewable energy.

Currently, CCAs serve more than 11 million customers and account for nearly a quarter of the state's electric load. CCCE's regulatory and legislative affairs staff works with other CCA representatives to see that local agencies are part of the conversation when it comes to energy policy in California.

Grid stability, energy resiliency, and increased transparency around fees levied on customers such as the Power Charge Indifference Adjustment are just some of the topics Central Coast Community Energy has lent its time and expertise to help shape.

Through raising awareness, working with community leaders and elected officials, strategic planning, and presenting our case to the California Public Utilities Commission and the California Energy Commission, CCCE is working to level the playing field for CCAs, many of which have already made significant contributions to California's ambitious climate and energy goals.

The regulatory and legislative arenas present opportunities for CCCE and the CCA community to address standards and policies that work against the clean energy future we are committed to create. As California's energy landscape continues to evolve, staff has identified its key focus areas for policy engagement:



### Grid Reliability

In addition to supporting steps being taken by the California Public Utilities Commission, the California Energy Commission, and the California Independent System Operator to improve grid reliability, staff will continue researching opportunities for further improvement through policies, procurement strategy, and generation and distributed energy resources that include energy storage.

### Power Charge Indifference Adjustment (PCIA)

The PCIA was instituted so bundled customers wouldn't face increased costs due to customers switching to direct access or CCA suppliers. As a united front, CCCE will continue collaborating with other CCAs, policymakers and the state's regulatory and legislative bodies to chart a clear and transparent path toward rationalizing, reducing, and eventually retiring this cost.

### Resource Adequacy

Resource Adequacy (RA) plays a major role in the grid resiliency but RA policies and programs have not been modified to account for the growth of renewables and other market changes. CCCE is participating in a process for proposed modifications to related programs and policies.

### Federal Investment Tax Credit (ITC) for Stand-Alone Energy Storage

The Federal ITC currently applies to energy storage projects only when installed in combination with a solar photovoltaic system. Stand-alone energy storage systems are critical to building a resilient, reliable, and sustainable energy grid. Federal investment tax incentives are necessary to foster and accelerate the development of these projects.







Central Coast Community Energy is proud to serve our region's unique needs. Together, we are powering economic and environmental benefits for the Central Coast.

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