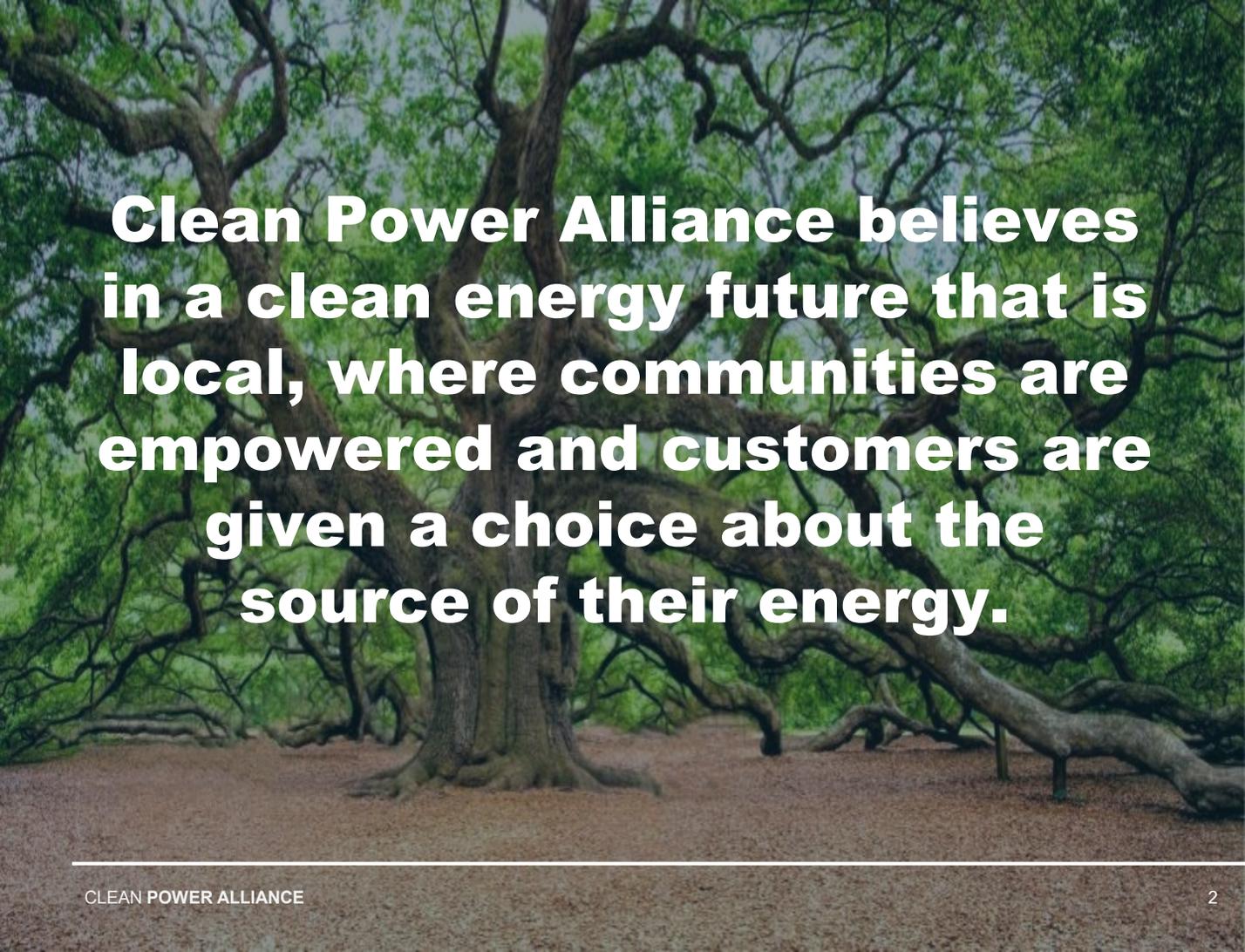




Locally powered energy innovation.

Joint Meeting of the Long Beach
Environmental Committee & Sustainability Commission
July 23, 2020



**Clean Power Alliance believes
in a clean energy future that is
local, where communities are
empowered and customers are
given a choice about the
source of their energy.**

About Community Choice Aggregation (CCA)

What is Community Choice Aggregation (CCA)

- Following the 2000-2001 energy crisis, Assembly Bill 117 was passed to establish Community Choice Aggregation (CCA)
- CCA is a model that allows communities to **join together** to purchase electricity on behalf of their community members
- Administered by local governments with a mission to provide competitive alternatives to investor-owned utility (IOU) sources
- Joint Powers Authority (JPA) or single jurisdiction enterprise fund.
- To date, over 20 CCAs are in operation, serving over 2.5 million customer accounts and over 32,000 GWh of annual load
- By 2022, more than half of load in PG&E and SDG&E territory will be served by non-IOU providers; approximately 25% in SCE territory

A Hybrid Approach to Utility Operations

Southern California Edison (Investor-Owned Utility)

IOU Purchases Power,
Sets Rates, Provides
Customer Programs

IOU Maintains
Transmission Lines

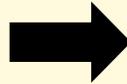
IOU Provides Meter
Reading and Billing
Services

Clean Power Alliance (Community Choice Aggregator)

CCA Purchases Power,
Sets Rates, & Provides
Customer Programs

IOU Maintains
Transmission Lines

IOU Provides Meter
Reading and Billing
Services



Customer Choice, Local Control, Environmental Impact

Local Control

- CCAs have **local control** over their power supply and rates
- CCAs enable communities to **invest locally** via customer programs and other initiatives (e.g., local generation and storage, EV infrastructure incentives, workforce development, etc.) *in addition to* those offered by SCE

Customer Choice

- CCAs offer customers **new options** (CCA rate offerings), without removing existing options (SCE)
- Customers may **opt out** of the CCA at any time and return to SCE

Environmental Impact

- By choosing default rates with higher levels of renewable energy content than SCE, cities can ensure that customer revenue goes to expanding the supply of renewable energy in California
- By choosing default rates with lower GHG emissions than SCE, cities can significantly lower their community-wide carbon footprint at little to no cost

About Clean Power Alliance

Clean Power Alliance

- Approximately 1 million customer accounts in one Joint Powers Authority with 32 member jurisdictions in Los Angeles & Ventura counties
- CPA buys and sells power, administers operations and programs, manages data and risk; staff of over 30 people has decades of industry experience
- Residents and businesses are automatically enrolled in a default rate chosen by their city, but can change their rate or opt out at any time
- Revenues, after costs for power and operations plus reserve contribution is pooled and invested into local programs and procurement



Clean Power Alliance Service Launch

Timeline

- February 2018 – June 2018: Service began for non-residential customers in unincorporated Los Angeles County, South Pasadena and Rolling Hills Estates.
- February 2019: Residential service began in 31 jurisdictions in LA and Ventura Counties.
- May 2019: Non-Residential service was expanded to the remaining 28 jurisdictions
- June 2020: New service launched in Westlake Village (all customers)
- For cities that join CPA in 2020, CPA service could launch for those customers in 2022 (per CPUC required schedule)

Shared Values: Community and Environmental Goals in JPA

- Develop an electricity supply portfolio with overall lower greenhouse gas emissions than SCE...and that supports the achievement of the parties' GHG reduction goals.
- Support a stable and skilled workforce and promote a just transition to the clean energy economy through the use of project labor and/or community benefits agreements
- Ensure that low-income households and communities are provided with affordable and flexible energy options
- Support personal and community ownership of renewable resources, spurring equitable economic development and increased resilience, especially in low income communities
- Promote supplier and workforce diversity, including returning veterans and those from disadvantaged and under-represented communities
- Recognize and address the importance of healthy communities, including those disproportionately affected by air pollution and climate change

Local Programs, Renewable Energy Supply, Job Creation

- Low-income customers get 100% Green product at no cost premium in 100% Green default jurisdictions
- Launching additional 100% Green discount and Community Solar programs this Fall
- Fund publicly available Electric Vehicle chargers with set-aside for disadvantaged communities beginning in 2021
- CPA Power Response and Peak Management Pricing demand response programs available for commercial and residential customers; developing resiliency program for clean back up power at member jurisdictions' critical facilities
- Over 750 MW of new renewable energy supply and 238 MW of energy storage under contract with more under negotiation; ~1500 construction jobs
- All with union labor, most with formal Project Labor Agreements
- \$1 million in dedicated workforce development funding to be deployed in 2021

\$1 Million COVID-19 Bill Relief for Residential and Small Business Customers

Has your business been affected by COVID-19?



Sign up for **electric bill payment plans** to get relief today!



El Poder de Conectar



CPA CLEAN POWER ALLIANCE COVID-19 Update



Clean Power Alliance (CPA) is here to help our customers during COVID-19. We understand choosing between rent, bills, and groceries or payroll is a situation no family or small business should have to face, especially during a crisis.

We believe our customers deserve reliable and affordable electricity with manageable payments. That's why we're allocating \$1 million in bill assistance to COVID-19 impacted customers who sign up for financial assistance through Southern California Edison (SCE). We're committed to supporting our communities most in need and doing our part during this difficult time. Learn more at cleanpoweralliance.org/covid19

How it Works

Residential Customers



Your Options:

- CPA will provide a one-time \$25 bill credit to residential customers who sign up for CARE, FERA, or Medical Baseline assistance through SCE on or after March 16.
- Already on CARE, FERA, or Medical Baseline? CPA will give you a one-time \$25 bill credit if you sign up for a payment plan through SCE on or after March 16.

No need to notify CPA once you sign up for the financial assistance programs or payment plans. SCE will notify us when your program enrollment or payment plan is set up, and then CPA will automatically apply your \$25 bill credit as soon as your next electric bill. You can still get this electric bill assistance even if you're also receiving unemployment benefits.

Who to Contact

Clean Power Alliance will provide bill credits on a first-come, first-served basis until funds are exhausted. To sign up for a payment plan or get enrolled in financial assistance programs, please call SCE today at 800-655-4555 or visit: [visit SCE.com/covid19](https://www.sce.com/covid19).

Clean Power Alliance's COVID-19 Relief Program

Small Business Customers



CPA will give a one-time \$50 bill credit to small business customers (on GS-1 or GS-2 rates) who sign up for a payment plan through SCE on or after March 16.

No need to notify CPA once you sign up for a payment plan. SCE will notify us when your payment plan is set up, and then CPA will automatically apply your \$50 bill credit as soon as your next electric bill. You can still get this electric bill assistance even if you're also receiving federal CARES Act benefits.



清潔電力聯盟

負責人: 戴守真

聯繫方式: 1 (800) -655-4555
中文網站: www.sce.com/zh-hans/care

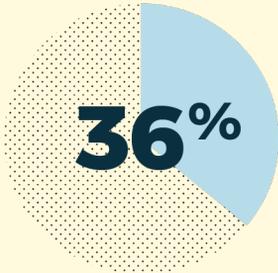
專家電話連線

我們齊心協力, 組織清潔電力聯盟。

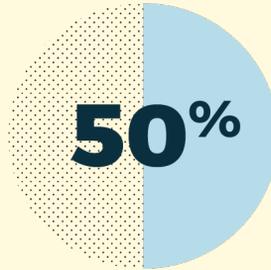
無事不登三寶殿 如何在疫情期間有效節省電費?

24小時留言專線: (626) 689-7199

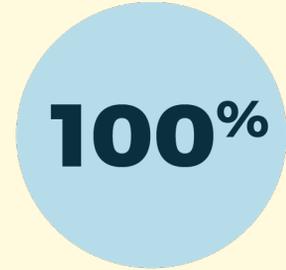
Clean Power Alliance Rate Options



36% renewable energy that provides a **1-2% overall bill savings** as compared to SCE base rates



50% renewable energy that provides **at cost parity** with SCE base rates



100% renewable energy that is a **7-9% overall bill premium** in comparison to SCE base rates (no upcharge for low-income)

- ~80% of CPA Customers are on either 50% or 100% renewable energy rates
- Focus on renewable energy targets instead of GHG intensity is to ensure that customer revenue go towards expanding renewable energy supply
- Residents and businesses have the choice to opt-up, opt-down, or opt-out and return to SCE service at any time

Customer Choice: Opt-out Rates*

Entire CPA Customer Base	Opt-Out Rate (%)
Overall	6.0
Residential	5.9
Commercial	7.1
Los Angeles County Jurisdictions	4.0
Ventura County Jurisdictions	11.3

100% Green Power Default	Opt-Out Rate (%)
Residential	9.0
Residential (LA County Jurisdictions Only)	4.7
Commercial	11.1
Commercial (LA County Jurisdictions Only)	5.8

Clean Power Default	Rate (%)
Residential	4.1
Residential (LA County Jurisdictions Only)	3.8
Commercial	4.6
Commercial (LA County Jurisdictions Only)	4.5

Lean Power Default	Rate (%)
Residential	5.9
Residential (LA County Jurisdictions Only)	3.1
Commercial	6.0
Commercial (LA County Jurisdictions Only)	4.7

Potential Annual GHG Impacts for Long Beach

GHG Emissions Reduction/(Increase) (MT CO2e)

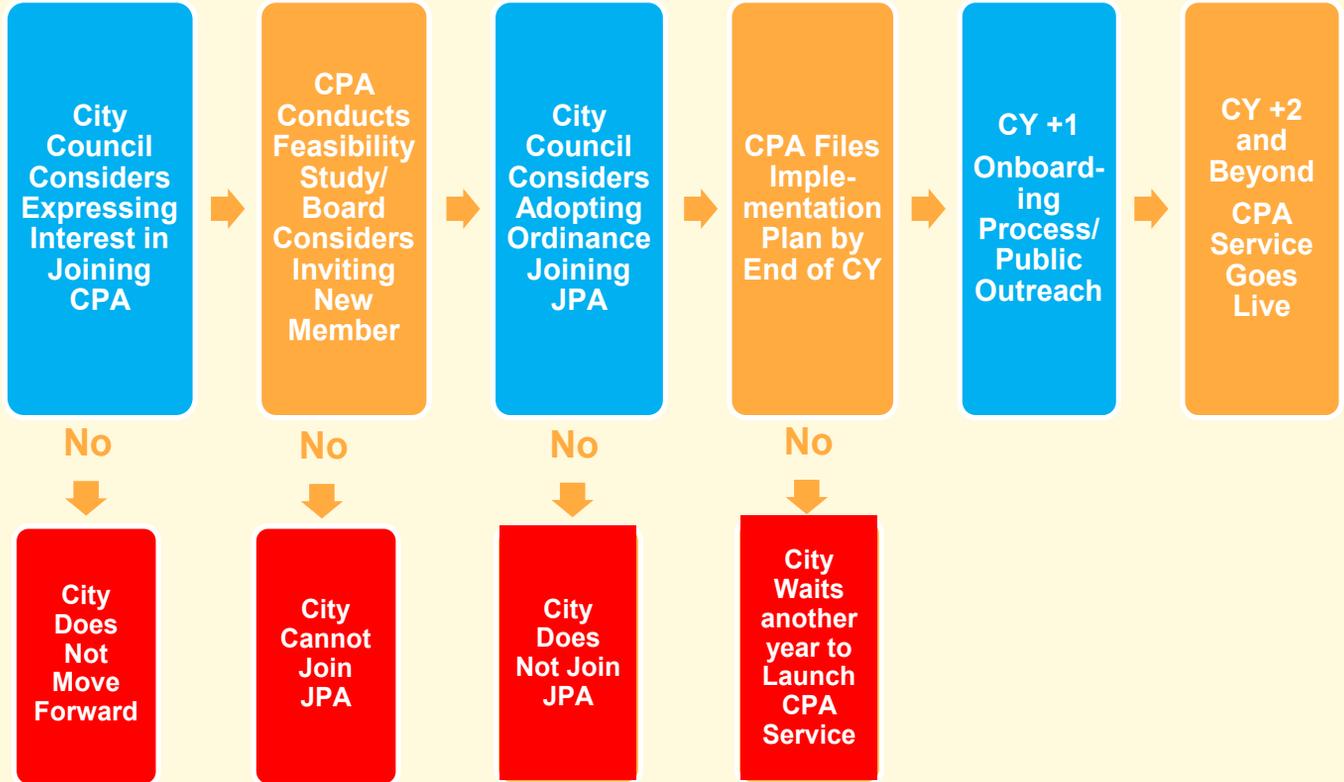
Preliminary Analysis – Subject to Change and Refinement

CPA Rate Product	Residential (95% participation rate)	Small / Medium Commercial (90% participation rate)	Large Commercial / Industrial / Other (50% participation rate)	Total
100% Green Power	172,000	228,000	156,000	556,000
Clean Power	35,000	47,000	32,000	114,000
Lean Power	(132,000)	(175,000)	(120,000)	(427,000)

- Usage data based on Long Beach CCA Study
- Baseline CO2e Emissions Rate is SCE 2019 CO2e emissions factor for delivered electricity (0.2422 MT CO2e/MWh)
- Reduction/Increase based on estimated 2020 emissions profile for each CPA rate product compared to SCE 2019 emissions profile

Process for CPA Membership

Typical Process to Join CPA





Questions?
Thank you!

