



 UC Irvine CALPLUG WORKSHOP
November 10, 2022



**The OCPA is Orange County's first
Community Choice Energy provider.**

**Empowering communities with choice where
there was none before, to have their say on
energy issues that affect their lives.**

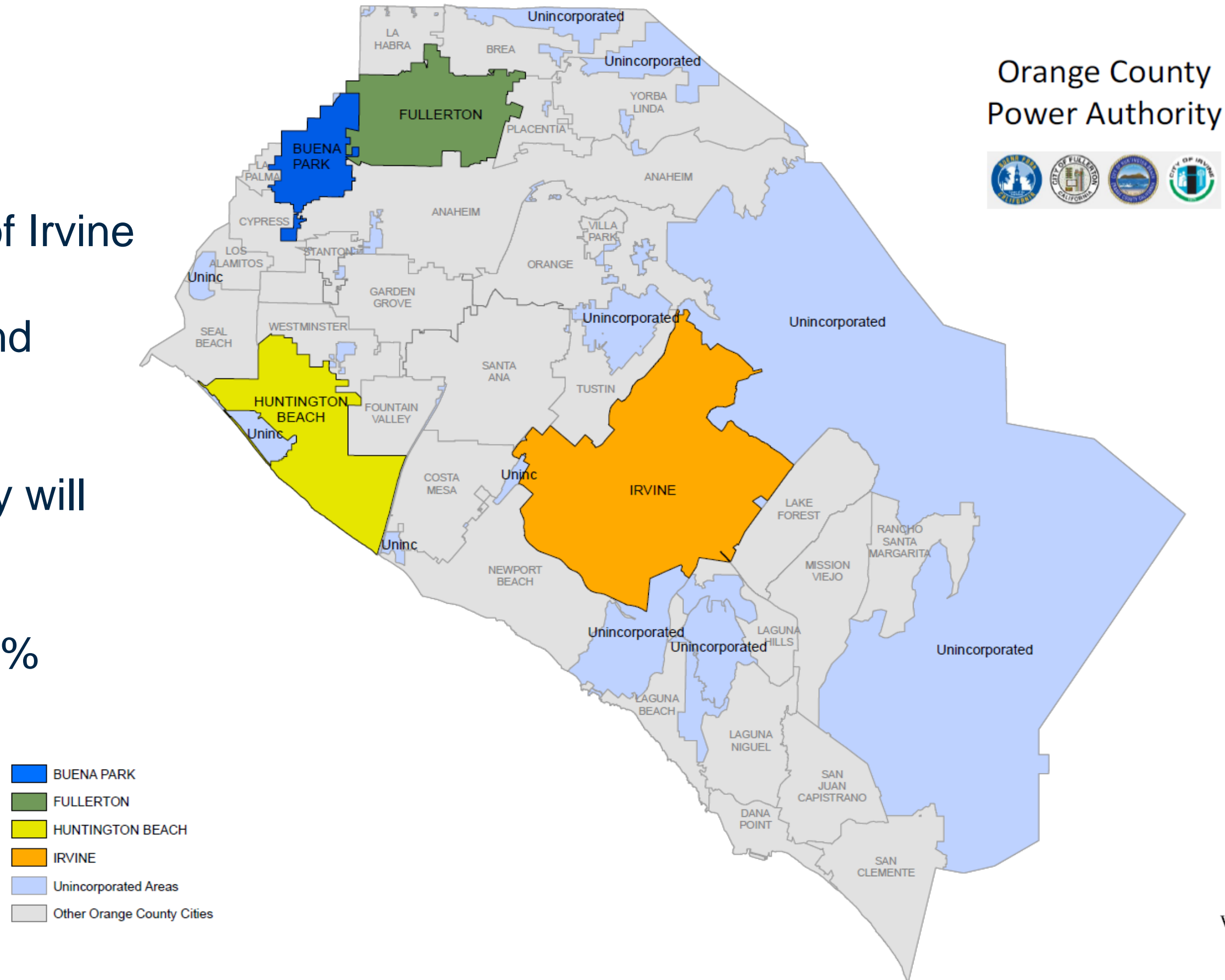
Community Choice Energy Across California

- 25% of California currently served by a CCE
- 11 Million People, in 200 Communities
- Projected growth that CCE's will serve 85% of California by 2025
- OCPA is founded by the Cities of Irvine, Fullerton, Huntington Beach, and Buena Park
- 820,000 residents, representing nearly 25% of Orange County

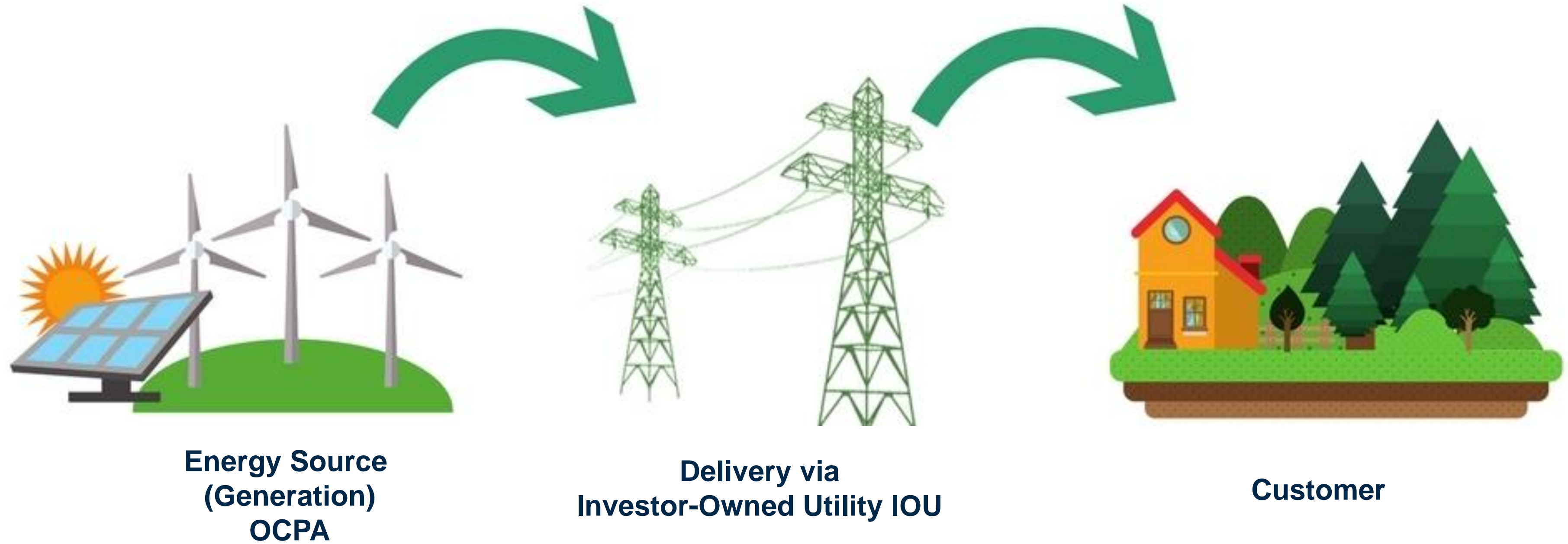


Orange County's first CCE

- Founded in November 2020 by the City of Irvine
- Joined by Fullerton, Huntington Beach and Buena Park
- Unincorporated County of Orange County will begin service in 2023
- 820,000 residents representing nearly 25% of Orange County



OCPA Community Choice Energy



Why are CCE's being set up?

- Competitive Energy Costs
- Enhanced Customer Choice
- Less Greenhouse Gas (GhG) emissions, faster progress toward achieving the community's environmental goals
- Local economic development, jobs, opportunities for workers and training
- Local control over power, programs, & rates
- Designing programs that respond to the specific, local community need



OCPA Clean Energy Tier Options

Basic Choice

38% Renewable
Energy



Rates at parity to SCE

Smart Choice

69% Renewable
Energy



+ \$.01/kWh

100% Renewable Choice

100% Renewable
Energy



+ \$.015/kWh

OCPA Clean Energy Rate Comparison Example

Total Bill Comparison

TOU-D-4 - Basic Choice				
Charge Type	OCPA	SCE	Difference	
Generation	\$73.18	\$81.74	\$ (8.56)	
SCE Surcharges	\$8.56	\$0.00	\$8.56	
SCE Delivery	\$163.13	\$163.13	\$0.00	
Credits + Fees	(\$51.78)	(\$51.78)	\$0.00	
Taxes	\$0.18	\$0.18	\$0.00	
Total	\$193.27	\$193.27	\$0.00	0.00%
TOU-D-4 - Smart Choice				
Charge Type	OCPA	SCE	Difference	
Generation	\$79.13	\$81.74	\$ (2.61)	
SCE Surcharges	\$8.56	\$0.00	\$8.56	
SCE Delivery	\$163.13	\$163.13	\$0.00	
Credits + Fees	(\$51.78)	(\$51.78)	\$0.00	
Taxes	\$0.18	\$0.18	\$0.00	
Total	\$199.22	\$193.27	\$5.95	3.1%
TOU-D-4 - 100% Renewable				
Charge Type	OCPA	SCE	Difference	
Generation	\$82.10	\$81.74	\$ 0.36	
SCE Surcharges	\$8.56	\$0.00	\$8.56	
SCE Delivery	\$163.13	\$163.13	\$0.00	
Credits + Fees	(\$51.78)	(\$51.78)	\$0.00	
Taxes	\$0.18	\$0.18	\$0.00	
Total	\$202.20	\$193.27	\$8.93	4.6%

Basic Choice 38% Renewables are purchased on behalf of the participating customer.

Basic is set to be at parity to what the customer would be paying SCE for Generation.

At Smart Choice 69% Renewables are purchased on behalf of the participating customer.

Smart Choice is \$0.01 more per kWh.

At 100% Renewables Choice, 100% Renewables are purchased on behalf of the participating customer. 100% Renewables Choice is \$0.015 more per kWh.

Future Program Goals

**Setting
our
sights
on the
future**

Transportation Electrification Programs

Solar Panel Incentives

Energy Reduction Incentives


Electric Vehicle Charging Incentives

Battery Energy Storage Systems

Education, Workforce Development and Innovation Programs

Sector	Program	Funding	Description
Residential	Multifamily Building Enhancements	CPUC	Multifamily Energy Efficiency and electrification retrofits. (MCE, PCE, and SJCE in partnership with BayREN)
Residential	Residential Energy Storage Program	CCA	Rebates, bill credits, and financing for new battery storage. (MCE)
Residential	Power Share	CPUC	Provides 20% discount on top of CARE/FERA for low-income customers that opt for 100% renewable. (CPA)
Commercial	Commercial Strategic Energy Management	CPUC	Technical support and coaching to businesses to help them complete EE projects. Payments for energy saved. (MCE, East Bay CE)
Commercial	Community Food Service Energy Efficiency Program	CPUC	Direct installation of EE equipment tailored to food service sector. (CleanPowerSF in partnership with BayREN)
Transportation	Electric School Buses	CCA	Contribute to funding EV buses for Districts (Central Coast CCA)
Transportation	EV Rebates	CCA	EV rebates for plug-in hybrid, battery EVs. Rebate increases for income-qualified customers. (PCE)
Workforce Development	Youth Climate Ambassadors Program	CCA	Year-long workshops to high school students to support leadership in impact projects for local sustainability issues (SVCE & PCE)
Workforce Development	Microgrid Maintenance Fellowship		CPA partnership with Los Angeles Cleantech Incubator for solar-plus-storage maintenance training program. (CPA)

Cal-CCA - <https://cal-cca.org>



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Interested in learning more about the latest CCA programs? Check out our new [CCA Program Highlights](#) webpage.

+ Electric Vehicles and EV Infrastructure

+ Building Decarbonization/Electrification

+ Energy Efficiency

+ Net Energy Metering

+ Solar Programs (beyond NEM)

+ Demand Response

+ Resilience: Microgrids, Local Solar+Storage

+ Community Advisory Committees

+ Local Innovation

+ Community/Outreach/Innovation Grants

+ Feed-in Tariff

+ Citizen Sourcing

An innovative, Industry Leading Project by San Jose Clean Energy

Kern Solar Plus Battery Storage Project

This project is producing enough renewable electricity to power nearly 65,000 San José homes annually.

Delivery of 62 megawatts (MW) of renewable energy every day between 6 a.m. and 10 p.m. Including those hours in the late afternoon and evening when demand for electricity is high, but renewable energy availability is low.

This emission-free power has the same climate impact as taking more than 670,000 cars off the road.

To meet the fixed delivery obligation, Terra-Gen has built an oversized solar array plus battery storage.



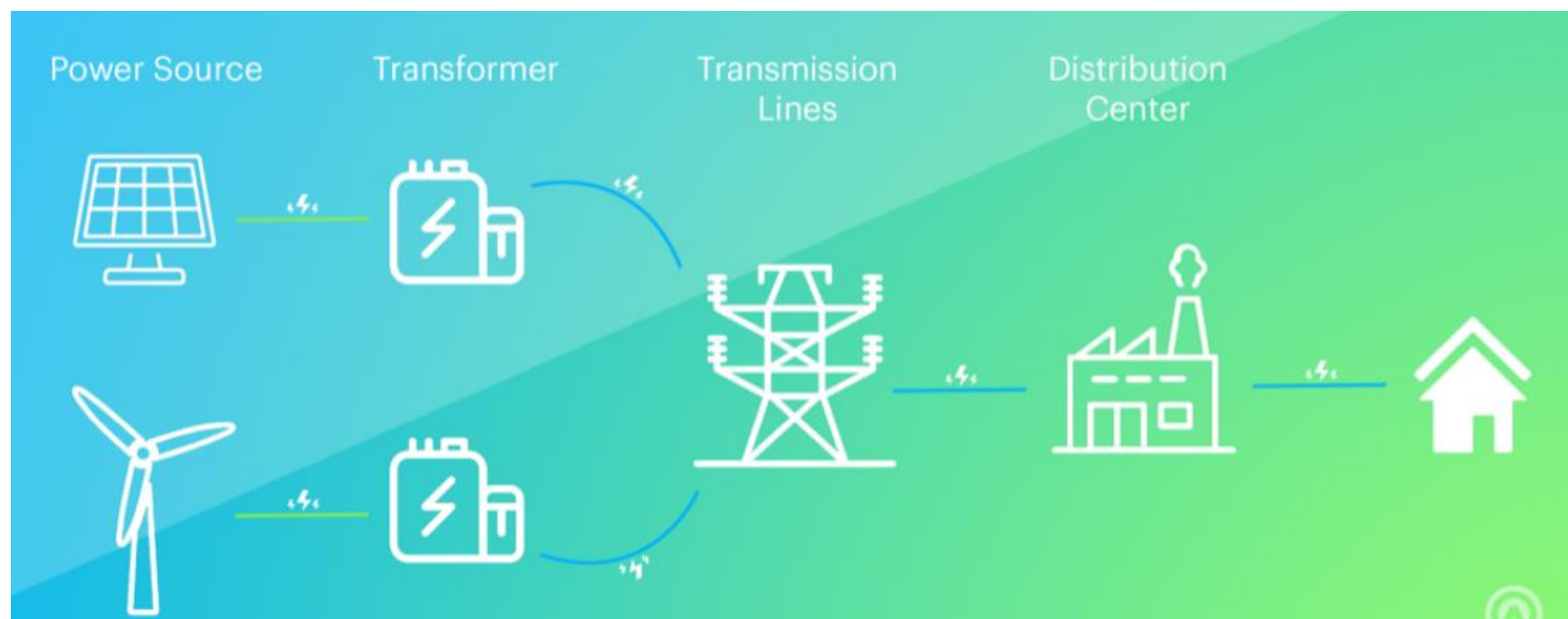
The California Independent System Operator (CAISO)

Maintains reliability on one of the largest and most modern power grids in the world.


The organization works diligently around the clock to meet the electricity needs of consumers.




Powering
the lives
and economy for
30 million consumers




Today's Outlook AS OF 12:40 11/07/2022


24,970 MW
Current demand


28,048 MW
Forecasted peak


12,807 MW
Current renewables


46%
Renewables serving load

<https://www.caiso.com/>

For More Information Contact your local OCPA Representative



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**Fullerton
Buena Park
Huntington Beach**

A SMART NEW ENERGY CHOICE

For decades, investors-owned utilities were the only entities purchasing power for most of Southern California. With the formation of OCPA, local representatives from each member city choose where power comes from; introducing a new level of competition in the energy market.

WORKING FOR A BETTER OC

The OCPA team has deep expertise in renewable energy and energy efficiency programs. We are passionate about putting choice—and all the benefits it brings—from enabling a more rapid shifts away from non-renewable energy sources to launching customized programs.

POSITIVE ENERGY FOR EVERYONE

LOCAL CONTROL AND ACCOUNTABILITY

OCPA empowers cities to provide residents and business owners with a trusted source of renewable energy. It's a new energy choice grounded in localized accountability—one in which decisions about purchasing power are all about benefitting the entire community.