



Photo: Yvonne Hunter



Yolo County Board of Supervisors

VCE Update

April 26, 2022

OVERVIEW

Background

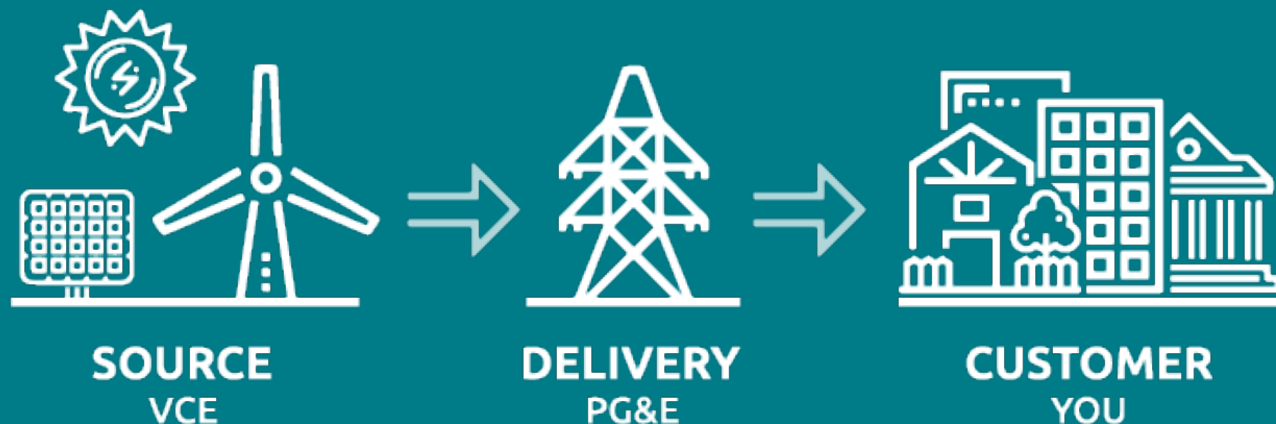
- CCA Update
- VCE Overview
- VCE Strategic Plan

Q/A

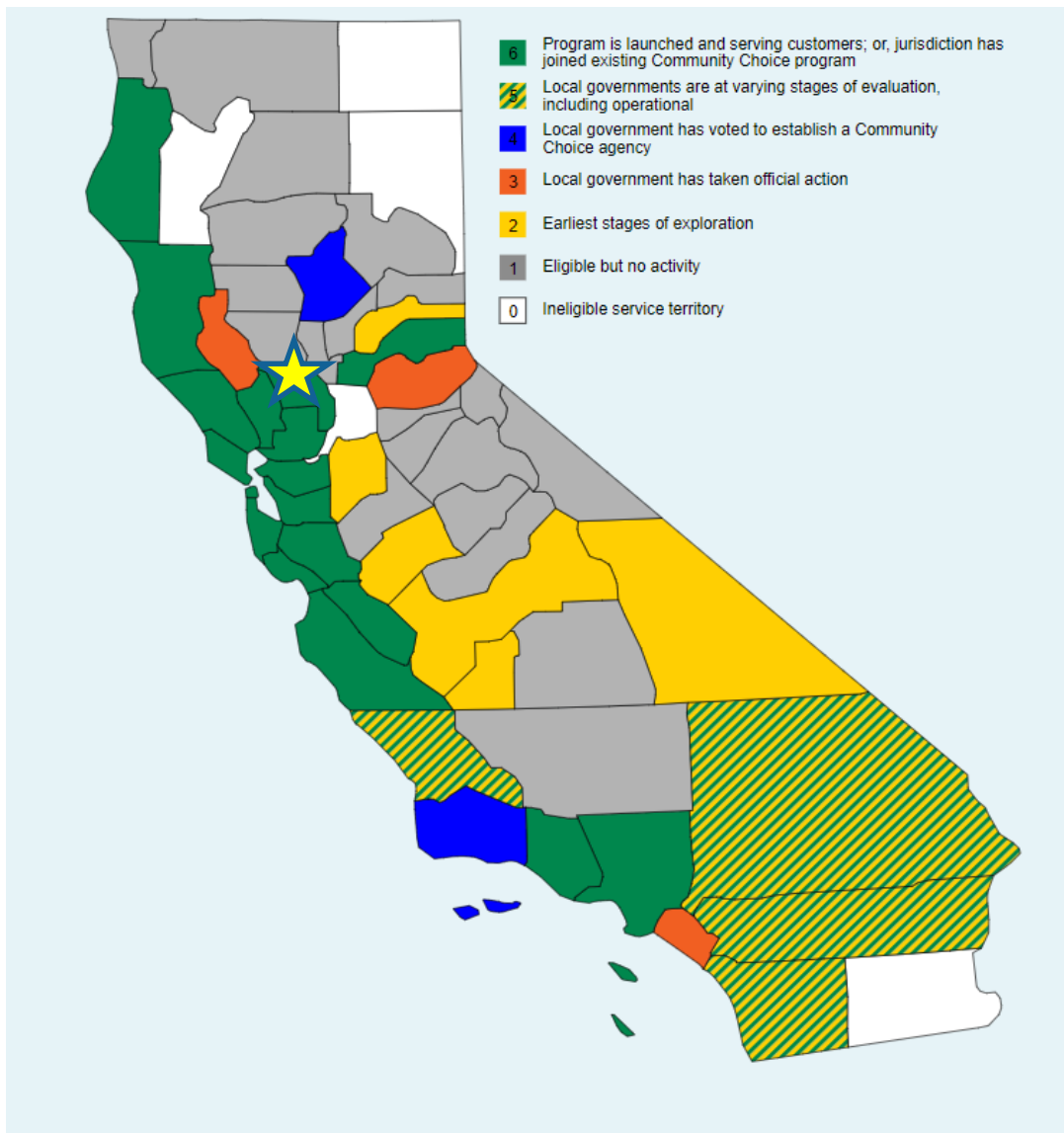
CCA Basics

AB 117 (2002) allows cities and counties to form public Community Choice Aggregation (CCA) agencies. CCAs partner with Investor-Owned Utilities (e.g. PG&E) to bring electricity to customers in the CCA's service territory.

The CCA procures the electricity and the IOU delivers it, maintains the hardware, provides repair services, and sends the customer a bill.



CCA Across California



- As of 2022, there are 24 active CCAs in California. 12 are in PG&E territory.
- More than 11 million customers served in over 200 cities/counties.
- Dozens of other cities and counties are actively considering their own CCA programs.
- CalCCA is the Statewide Association of CCAs

Valley Clean Energy Basics

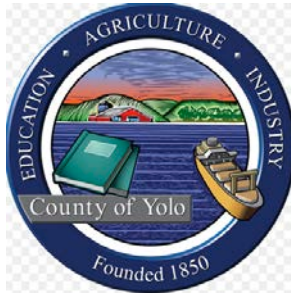
VCE is a Community Choice Aggregation program (CCA).



- Created by, and for, local communities
- **Not-for-profit** joint powers authority
- Locally controlled
- Provides **competition** that benefits customers
- More renewables, **same cost**

Valley Clean Energy's mission is to provide clean electricity, product choice, and greenhouse gas emission reductions—all with local control at competitive prices.

Member Agencies/Leadership



- VCE's 8-member Board is made up of local elected officials, volunteering their service (Two Board members from each member jurisdiction)
- VCE is supported by a 11-member Community Advisory Committee made up of 2 residents from the 4 member jurisdictions plus 3 "at-large" members.

About VCE

Launched in June 2018 with Yolo County; Cities of Woodland, Davis. Winters joined in January 2021.

- 65,000 Customer Accounts / 750 GWh annual load
 - 2019 median household income: \$57,700; CA \$67,000 (2019)
 - Poverty rate: 19%
 - 15% Agricultural (load)
 - 17% NEM (solar)
 - 90% Customer Participation
 - Yolo, Woodland, Davis each have roughly 1/3rd of load, Winters 5%
- Only Central Valley based CCA program
 - Unique Central Valley load profile & rural/suburban mix
 - Advising other C Valley programs interested in launching/joining CCAs
- Project/Program examples: EV charging grant; large scale solar + storage projects; local renewable + storage; dynamic pricing pilot

About VCE

VCE Customer Enrollment Profile

	Davis	Woodland	Winters	Yolo Co	Total	Residential	Commercial	Industrial	Ag	NEM	Non-NEM
VCEA customers	27,977	20,540	2,540	10,750	61,807	53,771	6,081	7	1,860	10,827	50,980
Eligible customers	29,262	23,573	2,846	12,302	67,983	59,046	6,691	7	2,135	11,978	56,005
Participation Rate	96%	87%	89%	87%	91%	91%	91%	100%	87%	90%	91%

- Approx. 25% CARE/FARA Customers
- Approx. 17.5% NEM enrollment

Developing New Power Resources



Renewable Energy Contracts



- 1 Aquamarine Solar Facility**
Kings County
50 MW PV-only
(approx. 130,000 MWhs)
Online Now
- 2 Putah Creek**
Yolo County
3 MW/3 MW BESS*
(approx. 7,600 MWhs)
anticipated online end of 2021
- 3 Gibson**
Yolo County
20MW/6.5 MW BESS*
(approx 50,000 MWhs)
Fall 2022
- 4 Tierra Buena Battery Storage Facility**
Sutter County
VCE Share is 2.5 MW
Anticipated online Summer 2022

- 5 Aggregated Demand Response**
Statewide Resources
VCE share is 7MW
online now
- 6 Resurgence Solar I**
San Bernardino County
Solar PV + Storage Project
90 MW (PV)/75 MW BESS*
(approx. 250,000+ MWhs)
anticipated online end of 2022
- 7 Willow Springs Solar 3**
Kern County
Solar PV + Storage Project
72 MW (PV)/36 MW BESS*
(approx. 215,000+ MWhs)
anticipated online end of 2023
- 8 Indian Valley Hydro**
Lake County
2.9 MW small hydro
(approx. 6,000 MWhs)
online now

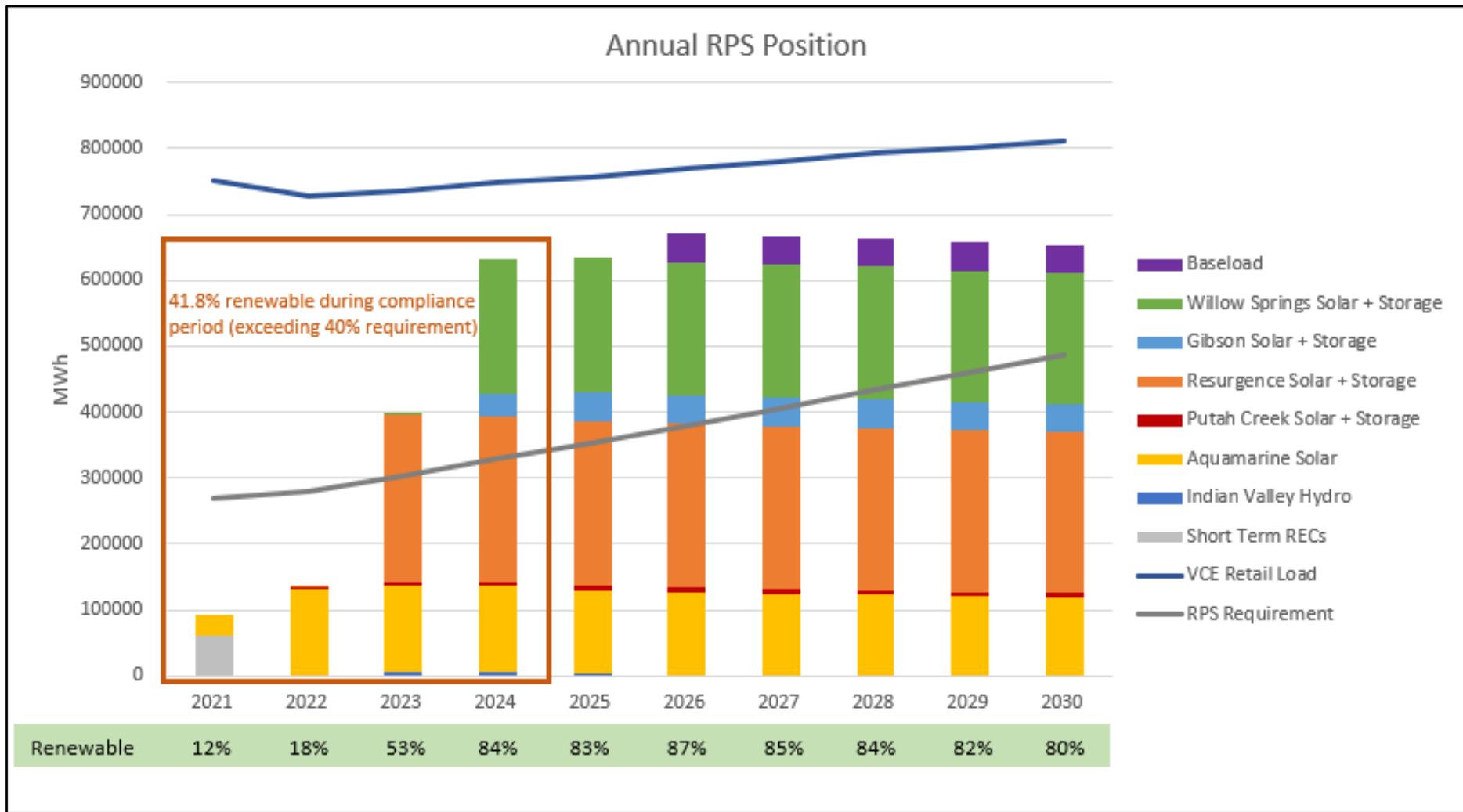
**Battery Energy Storage System*

Totals Contracted for Since 2018:

- 238 MW Renewables
- 123 MW BESS*
- 7 MW Demand Response

Note: All Battery Energy Storage Systems (BESS) are 4-hour duration

Developing New Power Resources



Note: Approximately 40MW of installed rooftop solar in VCE service territory.

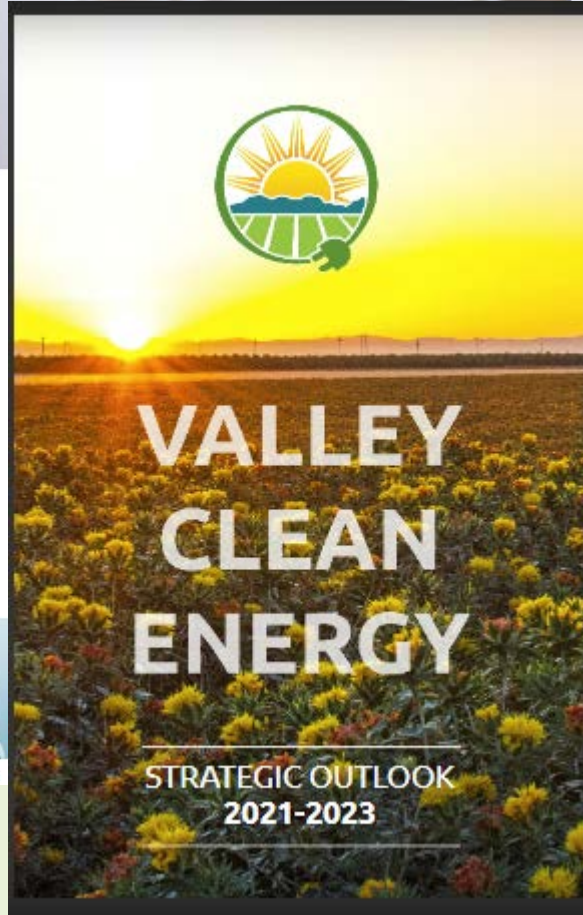
VCE Strategic Plan

Highlights:

- Rate and Fiscal Stability.
- 100% Carbon Neutral by 2030 with an eye toward 100% carbon free (hour by hour) by 2030.
- Develop roadmaps for decarbonization, resilience and reliability in the VCE service territory. Expand local community expertise/input in energy sector decision making.
- More focused engagement with historically/emerging disadvantaged communities and local business and agricultural customers.
- Achieve investment grade credit rating.

Programs/Impact

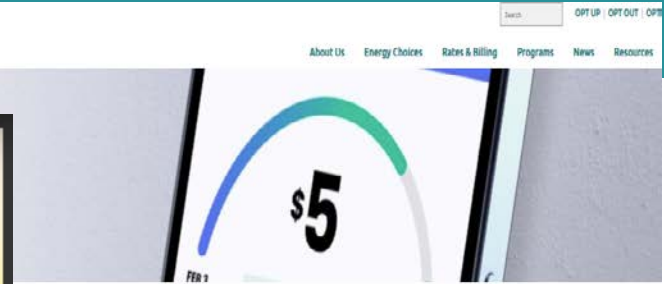
- Energy Efficiency
- Electric Vehicles
- Ohm Connect
- AgFit
- 100% Renewable – UltraGreen
- Local Resources
- \$4M in new funding
- Local workforce & sustainability funding \$500k
- Customer Savings \$500k
- Early CAP Actions



Electric Vehicles

 **100% CARBON FREE**

 **100% RENEWABLE**



LOW-E DUAL PANE WINDOWS

Reduce heat loss during the winter and heat gain during the summer with high efficiency windows. [Find out more](#)

SMART/PROGRAMMABLE THERMOSTATS

Automatically control home temperatures to optimize comfort and savings. [Find out more](#)

HIGH EFFICIENCY ELECTRIC APPLIANCES

Induction cooking and Energy Star appliances reduce energy use and costs. Low-flow showers and toilets save water and hot water costs. [Find out more](#)

HIGH EFFICIENCY LIGHTING (LEDs)

LEDs last much longer, saving energy and costs. [Find out more](#)

BUNDLED ENERGY EFFICIENCY IMPROVEMENTS

Bundle multiple measures for even greater savings. [Find out more](#)

HIGH EFFICIENCY WATER HEATING

Consider heat pump or tankless water heaters. [Find out more](#)

Questions?

Contact:

1 (855) 699-8232 M-F 9am-5pm

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Twitter: [@VCleanEnergy](https://twitter.com/VCleanEnergy)

