



yvonnehunterphotography.com

VCE Community Advisory Committee Meeting – October 22, 2026

Item 9 – Power Portfolio Update



Public Comments

To Provide Public Comment on any agenda item please:

- E-mail 300 words or less to: meetings@valleycleanenergy.org

OR

Join the Public Comment Queue by

- “Raising Hand” on Zoom Meeting

OR

- Press *9 if joining by phone

Emailed comments received **before** the item has concluded will be read into the record.

Emailed comments received **after** the item has concluded but before the end of the meeting will not be read but will be included in the meeting record.

Item 9 – Power Portfolio Update

Agenda:

- Long-term contracts
- Performance against renewable and carbon free energy targets
- Key takeaways

Item 9 – Power Portfolio Update

Power Resource Contracts



VCE is one of 25 community choice energy providers serving more than 15 million customers across 200-plus California cities and counties. Together, these locally governed providers are expanding clean energy, investing in new generation and storage, and developing programs around the needs of their communities.



1. Aquamarine Solar Facility

Kings County
Solar PV
50 MW
(Approx. 130,000 MWh)
Online Now

2. Putah Creek Energy Farm

Yolo County
Solar PV + Storage
3 MW (PV) / 3 MW BESS*
(Approx. 7,600 MWh)
Online Now

3. Indian Valley Hydro Project

Lake County
Small Hydroelectric
2.9 MW
(Approx. 5,000 MWh)
Online Now

4. Tierra Buena Battery Storage Facility

Sutter County
Battery Storage (4-hr)
VCE Share is 2.5 MW
Online Now

5. Aggregated Demand Response

Statewide Resources
VCE share is 7 MW
Online Now

6. Resurgence Solar I

San Bernardino County
Solar PV + Storage
90 MW (PV) / 75 MW BESS*
(Approx. 250,000 MWh)
Online Now

7. Willy 9 Chap 2

Kern County
Solar PV + Storage
72 MW (PV) / 36 MW BESS*
(Approx. 215,000 MWh)
Online Now

8. Tumbleweed Energy Storage

Kern County
Long Duration Battery Storage (8-hr)
VCE Share 3.1 MW
Online Now

9. Gibson

Yolo County
Solar PV + Storage
13 MW (PV) / 13 MW BESS**
(Approx. 52,000 MWh)
Anticipated Online Q4 2027

10. Fish Lake Geothermal

Esmeralda County, NV
VCE Share is 0.5 MW
(Approx. 4,500 MWh)
Anticipated Online Q3 2027

11. Ormat Geothermal Portfolio

NV & CA
Geothermal
VCE Share is 4.6 MW
(Approx. 40,000 MWh)
Anticipated Online Q4 2027

12. Willow Rock CAES

Kern County
Compressed Air Energy Storage (8-hr)
VCE Share is 2.7 MW
Anticipated Online Q4 2030

*4-Hour Battery Energy Storage System (BESS)

**5-Hour Battery Energy Storage System (BESS)

rev. 08/2026

Updated Power Sources page: <https://valleycleanenergy.org/power-sources-2/>

- Added Willow Rock (executed 4/29/26)
- Added Indian Valley (executed 7/16/22)

Item 9 – Power Portfolio Update

In-Development Resources:

- Gibson Solar + BESS:
 - Guaranteed Construction Start Date 12/31/2026
 - Guaranteed Commercial Operation Date 6/30/2028
 - VCE conducting due diligence on offer to purchase the project
- Fish Lake Geothermal
 - Delayed due to permitting
 - Commercial operation expected Q4 2027
- Ormat Geothermal Portfolio:
 - 25 MW Dogwood facility commercial operation expected 9/1/27
- Willow Rock Compressed Air Energy Storage
 - Construction started August 2026
 - Commercial operation expected 2030



Photo: <https://hydrostor.ca/project/willow-rock-energy-storage-center/>

Item 9 – Power Portfolio Update

Operating Resources:

- Tumbleweed Long Duration Storage
 - Began commercial operation 6/1/26
- Indian Valley Hydro
 - Started 15-year delivery term 8/1/26



Photo: VCE Instagram account

Upcoming procurement:

- Working with CC Power on incremental procurement of long-duration storage and geothermal to meet CPUC procurement orders for 2031 and 2032.

Item 9 – Power Portfolio Update

Contract Duration:

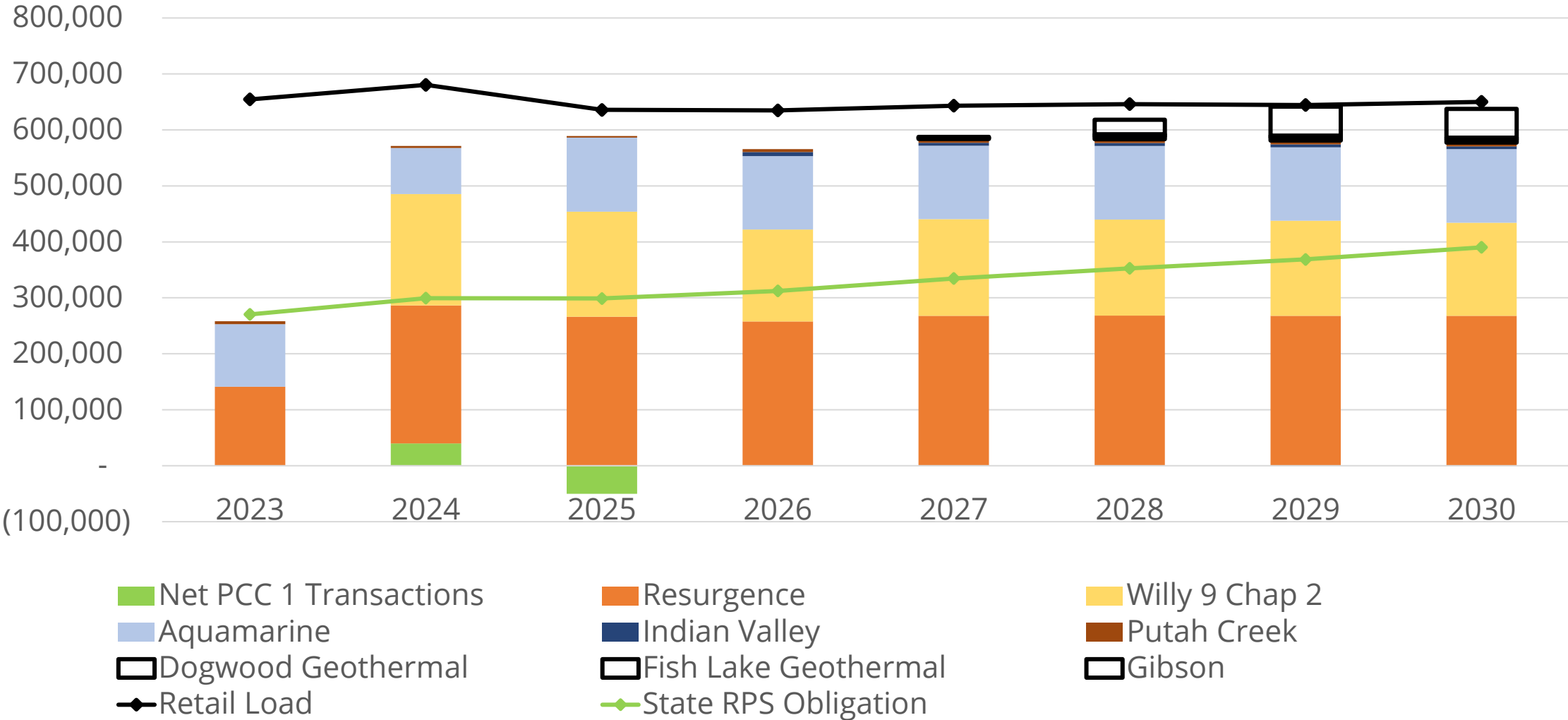
- Long-term planning will require contracting as delivery terms of existing contracts expire:
 - Aquamarine (50 MW solar, 2036)
 - Willy 9 Chap 2 (72 MW solar + 36 MW BESS, 2040)
 - Resurgence (90 MW solar + 75 MW BESS, 2042)

Item 9 – Power Portfolio Update

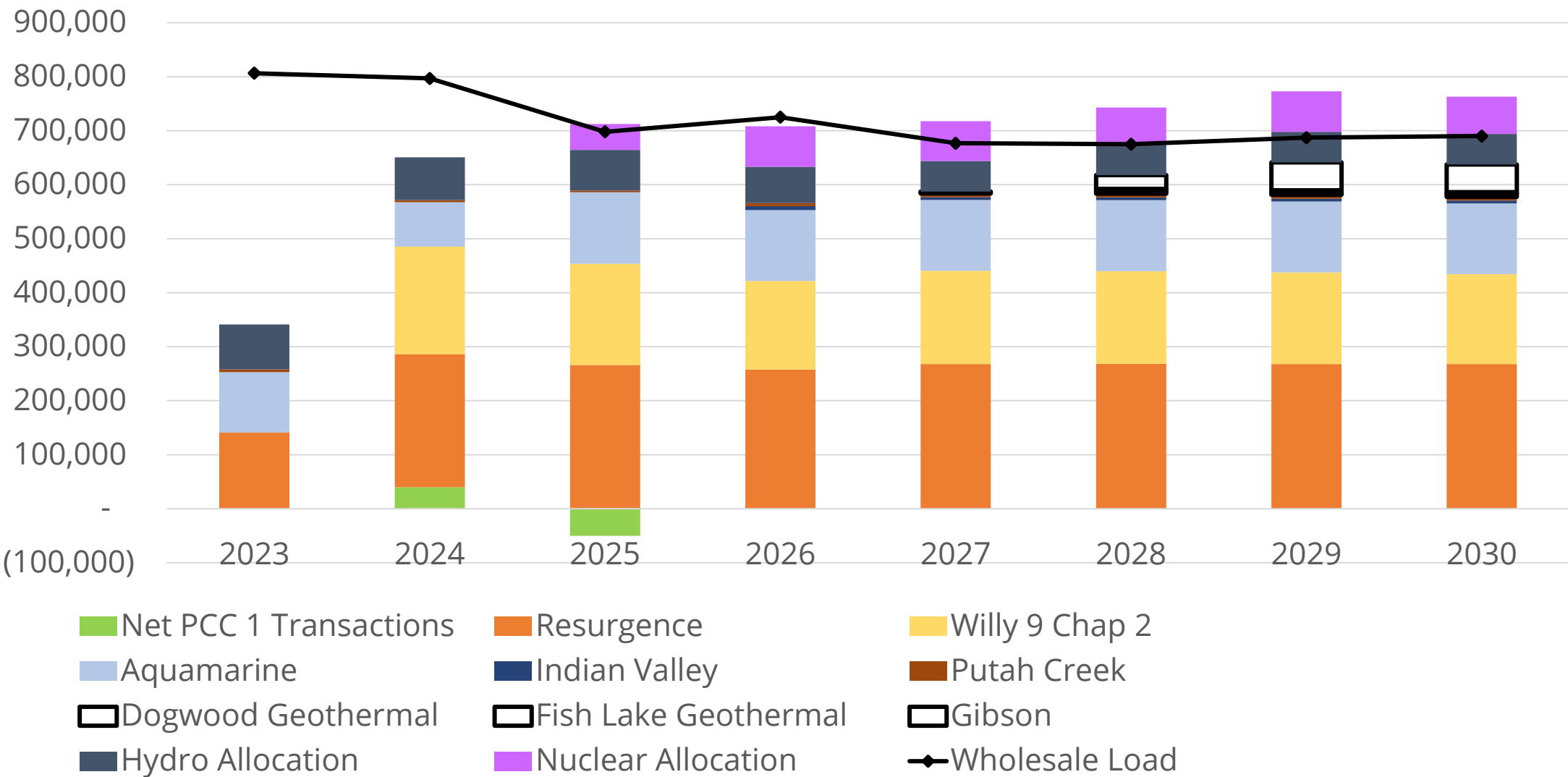
- VCE is forecast to meet or exceed its strategic plan goals of 90% renewable energy and 100% carbon free energy by 2030.
- Lower load forecast has increased projection of RPS and CF %.
- Projects in development represent about 9% of forecast load.

	2023	2024	2025	2026	2027	2028	2029	2030
Renewable %	56%	84%	87%	89%	91%	96%	100%	98%
RPS Requirement	41%	44%	47%	49%	52%	55%	57%	60%
Carbon Free %	38%	80%	96%	105%	104%	108%	112%	110%

Item 9 – Power Portfolio Update: Long-term Power Contracts



Item 9 – Power Portfolio Update: Long-term Power Contracts



Item 9 – Power Portfolio Update

CPUC Procurement Orders:

- Must procure additional long-duration storage and/or geothermal by 2031 and 2032 to meet CPUC procurement orders
- Recent indicative factors issued by CPUC indicate that more of these resources will be needed to meet procurement requirements (as shown below)
- Working to procure additional geothermal through CC Power

	Current Position									
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
New Long Duration Storage (MW)										
Requirements	0	0	0	0	0	4	0	0	0	0
Swaps	0	0	0	0	0	2.03	0	0	0	0
Procurement	0	0	0	0	0	2.80	0	0	0	0
Long +(Short -)	0	0	0	0	0	0.83	0	0	0	0
Zero Emitting Resources or Firm Clean (MW)										
Requirements	0	0	0	0	0	0	0	0	4	0
Procurement	0	0	0	0	0	0	0	0	1.27	0
Long +(Short -)	0	0	0	0	0	0	0	0	-2.73	0
Firm Clean and/or Long Duration Storage (MW)										
Requirements	0	0	0	0	0	0	0	0	0	5
Procurement	0	0	0	0	0	0	0	0	0	0.648
Long +(Short -)	0	0	0	0	0	0	0	0	0	-4.352

Item 9 – Power Portfolio Update

Key takeaways:

- Generally, VCE's operating projects are producing as expected
 - Provide green attributes, financial hedge against load costs, and resource adequacy
- VCE is forecast to exceed goals for renewable and carbon free energy
- Procurement needs could change if:
 - Significant changes to load
 - Operation or development of contracted resources
 - Legislative or regulatory developments
- Near term procurement likely to consist of long-duration storage and/or geothermal in coordination with CC Power to meet CPUC procurement orders