
SVCE Participation in CPUC Hourly Flex Pricing Pilot

SVCE Board of Directors Meeting
November 13, 2024



Purpose of Presentation

Purpose: ask that the Board approve SVCE's participation in upcoming hourly pricing pilot

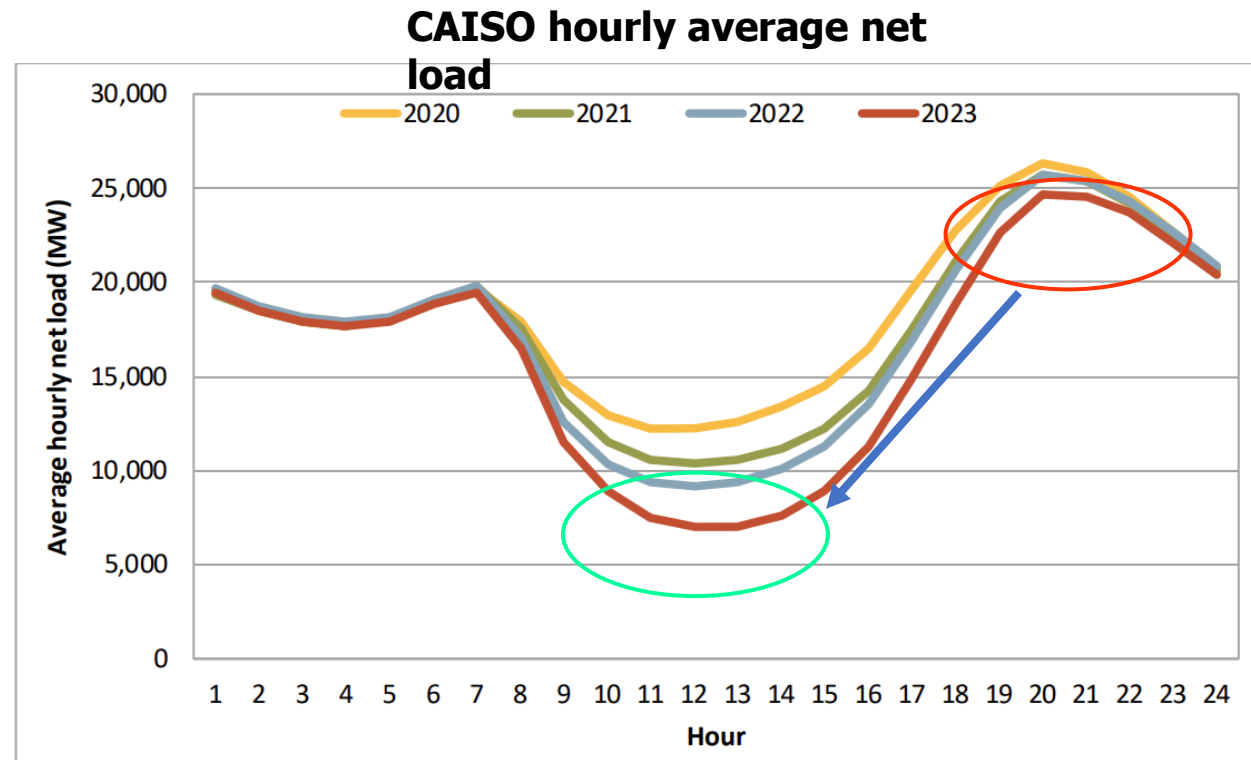
Key Info:

- Hourly Flex Pricing (HFP) pilot is CPUC-designed and PG&E-administered 3-year pilot
- Participation will benefit customers, help SVCE and regulators learn more about hourly rate implementation, and supports Load Management Standard (LMS) compliance
- Approval lets staff roll out HFP pilot, take any contracting/implementation actions needed
- If SVCE does not participate, then SVCE customers interested in enrolling in the CPUC pilot would need to opt-out of SVCE to participate



SVCE & California regulators (CPUC and CEC) increasingly focused on shifting usage out of costly & dirty hours of the day

- CEC introduced Load Management Standards to push widespread demand flexibility
- Interest in stronger and more granular signals than Time of Use
- Push usage *into* cleanest hours
- This push supports SVCE and customer interests in lowering costs, cleaner grid





HFP Pilot Relationship to SVCE LMS Plan

Reminder: in March 2024, SVCE Board adopted SVCE's first Load Management Standards Compliance Plan

- Load Management Standards (LMS) regulations require load serving entities to file a plan to the CEC
- SVCE's plan explored rates and programs to meet LMS goals and described SVCE's intent to participate in HFP pilot
- **Approval of HFP participation helps SVCE execute on contents of plan and therefore meet LMS obligations**



Customers Eligible for HFP Pilots

HFP pilots each focus on shifting usage for certain customer segments. They all share the same CPUC-directed hourly pricing incentive structure.

	Applicable Classes	Eligible Rates
	Agricultural	AG-A1, AG-A2, AG-B, and AG-C
	Commercial and Residential	E-ELEC, EV2-A B-6, B-10, B-19, and B-20
	Residential and Commercial Bi-Directional	EV2-A, E-ELEC, B-6, B-10, B-19, and B-20
	Business EV	BEV-1 and BEV-2



Pilot Adds to SVCE's Growing Portfolio of Demand Flexibility Efforts

Demand flexibility helps SVCE **better match its demand to supply.**

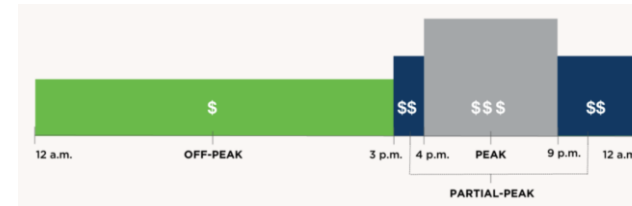
Key to unlocking cleaner and cheaper future grid.

SVCE's Lights On Silicon Valley Program



Solar and battery to shift out of peak daily

SVCE's Electric Homes Rate (E-ELEC)



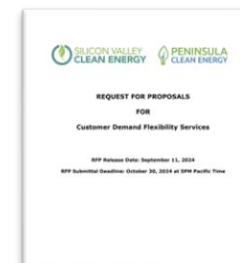
Additional differentiation on TOU periods

SVCE's GridShift Program



Managed app; now piloting hourly price signal

Request for Proposals for Comprehensive Demand Flex



Out now – looking for customer demand flexibility services



How is the Pilot Structured?

Customers still get their normal monthly bill, savings earned are trued up annually

 The pilot is **not a new rate** that will be charged to customers. It is an hourly incentive mechanism separate from regular bill a customer pays.

 Hourly price is applied to change in load from customer's previous year baseline. Customer receives an informational-only performance report every month.

 How can customers save? *Reduce* load from baseline during high hourly price hours (peak) **and** *increase* load from baseline during low hourly price hours (off-peak)

 After 12 months, performance reports are trued up & net savings are credited. Bill protection: net total recorded charges & credits will never result in more than regular bill.



Pilot Fiscal Impacts

Depends on scale of uptake and response to prices

Impacts to SVCE -

- SVCE covers the cost of customer savings (i.e., annual true-up credits)
- No substantial budget impact – cost-neutral from a power supply perspective because customer savings are offset by power supply savings
- SVCE also eligible to receive CPUC-funded incentive based on amount of SVCE load enrolled

Impacts to SVCE Customers -

- Opportunity for performance incentive in the form of an annual credit, if customer shifts load
- Customer savings expected to be \$2MM but could range between \$200k and \$8MM depending on the level of customer opt-in rates, market prices, and changes in usage
- Bill protection, so no risk
- Can access CPUC-funded incentives: e.g., equipment costs



Significant Learnings and Value Expected from Participation

Item 3
PRESENTATION

- Test effectiveness of hourly price signals
 - How big is the impact?
 - What is the role/value of automation?
- Test effectiveness of hourly incentive baseline approach with no punitive element
- See if customer and SVCE energy savings materialize
- Ensure customers interested in pilot stay with SVCE
 - If SVCE does not participate, then customers interested in enrolling in the pilot would need to opt-out of SVCE to participate



Actions Needed to Move Forward

Approval by Board will delegate to staff the ability to take next steps, continue to work with PG&E on launch and annual performance reconciliation

SVCE will need to:

- Enter into agreement with PG&E
- Submit an Advice Letter to the CPUC

Implementation details are being finalized, but SVCE may also need to:

- Adjust method for annual performance reconciliation
- Enter into implementation agreements with other vendors

SVCE has option to:

- Stop new customer enrollment at any time and can adjust, if needed

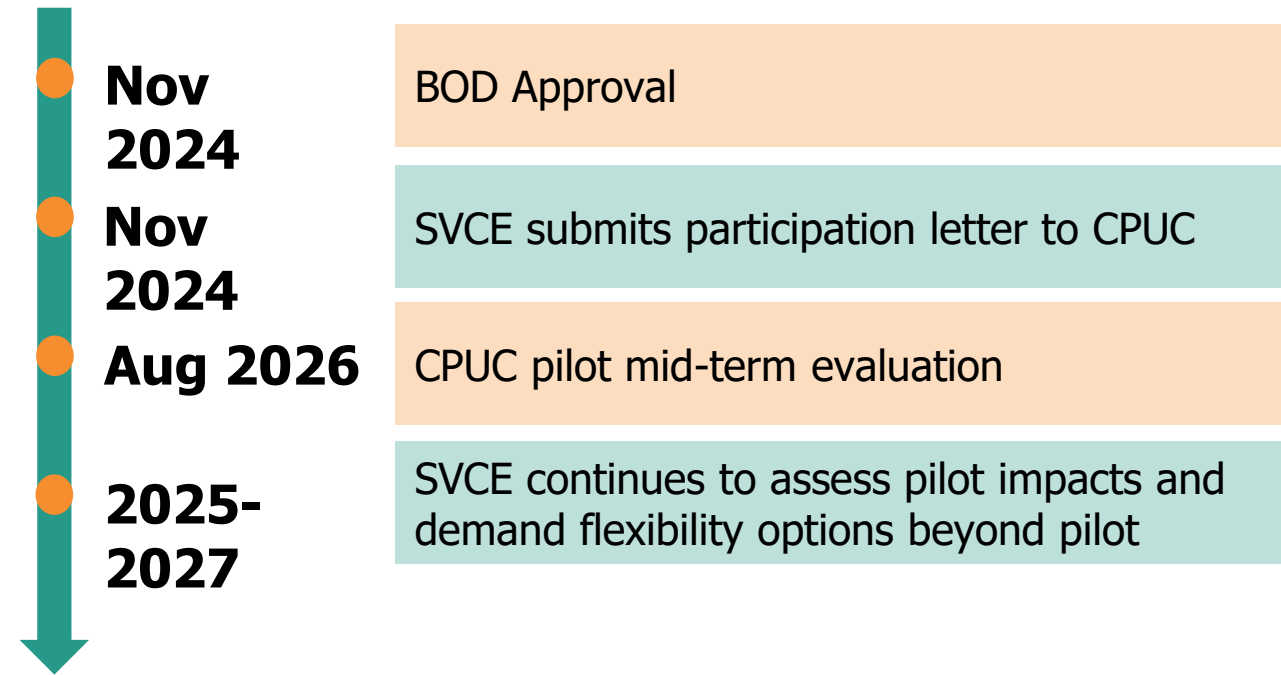
**PG&E soft launch
between October
and November; full
outreach in January
2025**



Concluding Thoughts + Request

HFP Pilot participation key for LMS compliance and SVCE’s exploration of real-time pricing

Request: approve SVCE’s participation in the HFP pilot for eligible agricultural, residential, and commercial customers as aligned with PG&E’s offers and with delegation to staff to effect implementation.



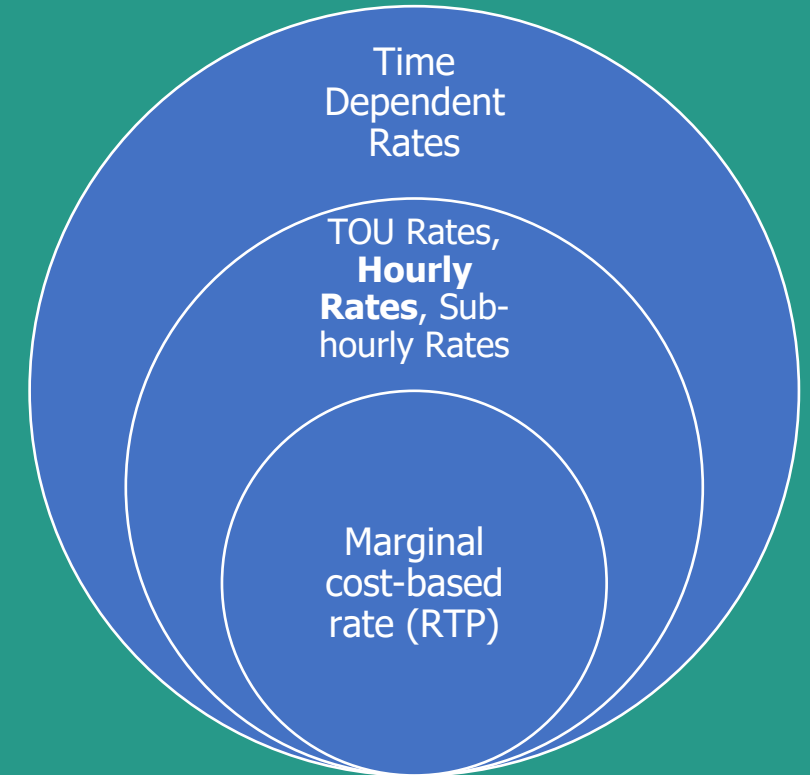
Appendix





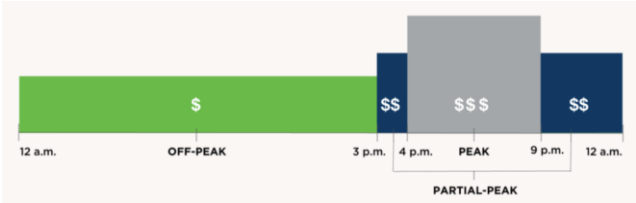
Promoting Demand Flexibility Through Hourly Pricing aka Real Time Pricing

- **Time-dependent rate** = a rate that can vary depending on the time of day to encourage off-peak electricity use and reductions in peak electricity use
- **Time-of-use (TOU) rate** = a rate with predefined prices that vary according to the time of day, the season and/or the day type (weekday, weekend)
- **Marginal cost-based rates (RTP)** = a rate that accounts for the marginal energy cost, the marginal capacity cost (generation, transmission, and distribution), and any other appropriate time and location dependent marginal costs, including the locational marginal cost of associated greenhouse emissions, on a time interval of no more than one hour. Also called **dynamic rate/price or hourly rate/price**





Existing Demand Flexibility Programs/Rates

	SVCE's Lights On Silicon Valley Program	Helps customers install solar and battery systems that in addition to providing resiliency benefits are used to form an aggregation of batteries that can be controlled to benefit the grid reducing demand during system peak periods.
	SVCE's Electric Homes Rate (E-ELEC)	Increases the cost of energy that's used during peak periods by 10% relative to PG&E's generation charges, while providing a 30% discount to all energy that's used during off-peak periods.
	SVCE's GridShift Program	Provides an app that helps customers optimize their EV charging so that they're using electricity at the ideal time given pricing and grid conditions. The program is being expanded to pilot hourly signals.



Baseline Load & Customer Savings Formula

The Baseline calculation methodology is designed to reduce customer's monthly bill variability

Baseline Calculation

Step 1: Calculate the Scaling Factor

Avg delivered kWh in current month billing period ÷ Avg delivered kWh in same month of prior year = Scaling Factor

Step 2: Calculate 24-hour average delivered load of same month of prior year; weekdays & weekends are averaged separately.

Step 3: Calculate the hourly Baseline

Scaling Factor X hourly delivered kWh from prior year = hourly baseline load

Customer Savings Calculation

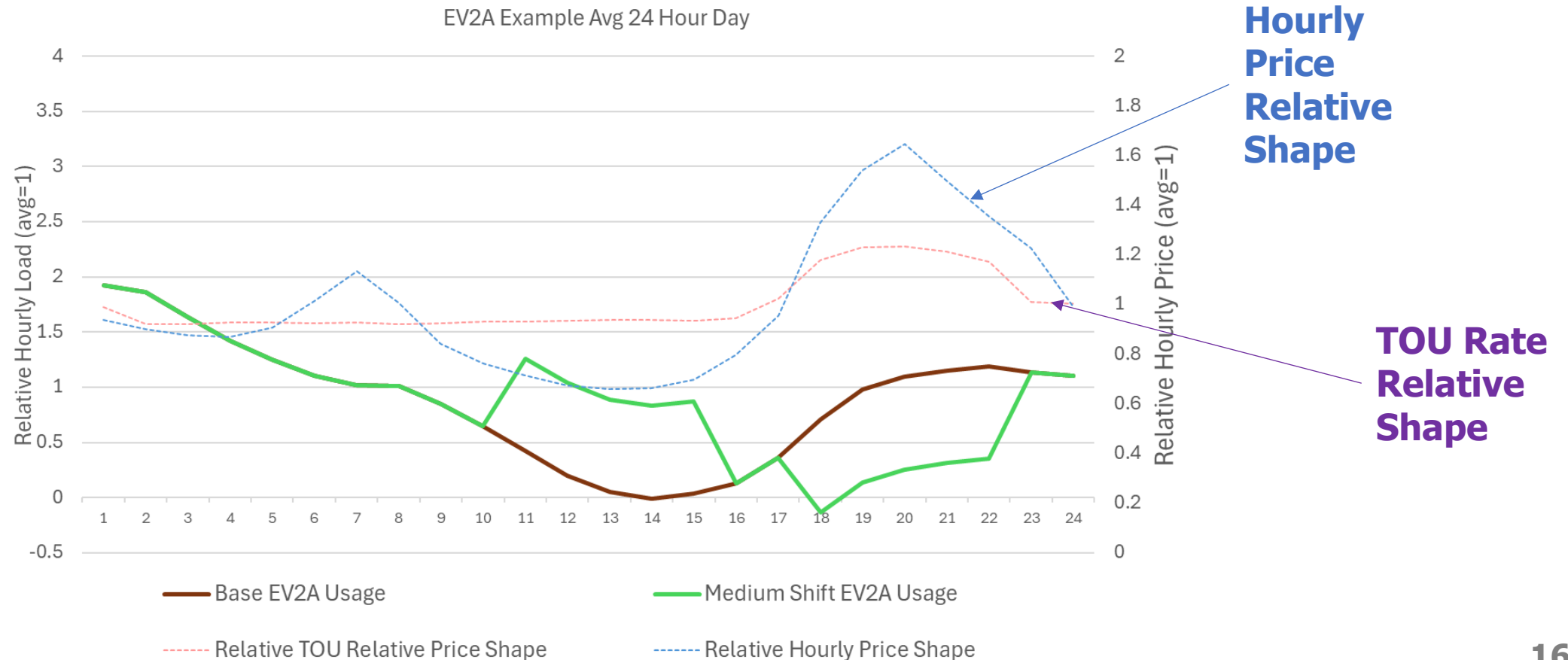
$(\text{Actual Usage} \times \text{TOU}) - ((\text{Baseline Load} \times \text{TOU}) + (\text{Actual Usage} - \text{Baseline load} \times \text{RTP}))$



Illustrative Example of Customer with Electric Vehicle Home Charging

EV2A Example Profile
to Illustrate Analysis:

Hourly kWh Change x Market Price at time





Savings Analysis Assumptions

Key assumptions used in tabulating possible range of savings

Rate Classes Modeled:

- Electric Vehicle Home Charging Rate
- Commercial and Industrial Customer Rates

Adoption Scenarios			
Rate	Low	Medium	High
EV2A	0.5%	4%	8%
B20S	5%	10%	15%
B20P	1%	8%	17%
B20T	1%	8%	17%

Shifting Scenarios			
Rate	Low	Medium	High
EV2A	27.3%	54.5%	81.8%
B20S	0.1%	0.8%	4.2%
B20T	0.2%	1.6%	8.2%
B20P	0.1%	0.9%	4.3%



EV and Industrial Customer Scenarios

Pilot Savings for Customers Over 32 Months* by Scenario Combination

*November 2024- June 2027

		Rate Class Adoption		
		Low	Medium	High
Per	EV2A	\$4,119	\$32,955	\$65,909
Customer	Medium	\$11,421	\$91,366	\$182,732
Change	High	\$22,373	\$178,983	\$357,966

		Rate Class Adoption		
		Low	Medium	High
Per	B20T	\$2,129	\$17,030	\$36,188
Customer	Medium	\$3,006	\$24,048	\$51,103
Change	High	\$6,905	\$55,243	\$117,391

		Rate Class Adoption		
		Low	Medium	High
Per	B20S	\$5,371	\$10,743	\$16,114
Customer	Medium	\$6,503	\$13,006	\$19,508
Change	High	\$11,532	\$23,063	\$34,595

		Rate Class Adoption		
		Low	Medium	High
Per	B20P	\$2,857	\$22,857	\$48,572
Customer	Medium	\$3,466	\$27,726	\$58,917
Change	High	\$6,170	\$49,363	\$104,897

Analyzed Group

Total EV2A & B20		Rate Class Adoption		
		Low	Medium	High
Per	Low	\$14,476	\$83,584	\$166,783
Customer	Medium	\$24,395	\$156,146	\$312,260
Change	High	\$46,980	\$306,653	\$614,850
Total 32 Month MWh		792,865		
Approx. All of SVCE 32 Month MWh		10,666,667		

Approximate SVCE 32 Month Total MWh		Approximate All of SVCE Adoption		
		Low	Medium	High
Per	Low	\$194,757	\$1,124,483	\$2,243,781
Customer	Medium	\$328,198	\$2,100,678	\$4,200,939
Change	High	\$632,041	\$4,125,498	\$8,271,769

NOTES:

- 1) This is the potential revenue impact with corresponding cost reduction. Effectively \$0 margin impact.
- 2) SVCE would also receive an incentive for enrolling customers of \$20 per kW-year of customer enrollment subject to a \$3,600,000 cap for all CCAs



SVCE Long-term Clean Targets

SVCE Board of Directors Meeting
November 13, 2024



What we will discuss today

Recommendation Overview & Current Targets

Background: September Board Discussion Recap

Potential Targets:

- **Annual**
- **Monthly (new)**
- **Hourly**
- **CFE**
- **PPA Metric (new)**

Other Considerations

Staff and Executive Committee Recommendations for Board Consideration



Request and Purpose

SVCE staff and the Executive Committee recommend establishing new long-term Clean energy targets, as a percent of retail sales, and minimum Renewable Portfolio Standard (RPS) as follows:

1. 2030-2034: 75% RPS retail sales/ 100% Clean measured annually
2. 2035-2045: 100% RPS retail sales/100% Clean measured annually
3. Allow for 10% margin of error on targets to help manage risk. If expected short-fall exceeds 10% staff would return to the board for additional guidance.
4. Define clean energy resources to include RPS-eligible resources and carbon-free large hydroelectricity and nuclear energy
5. Include line losses as applicable

Additionally direct staff to return to the Board by March 2025 with recommendations for how to:

1. Incorporate and inform the Board of the expected clean position and any expected shortfall.
2. Incorporate hourly GHG reductions in assessment and approval of PPAs
3. Report on clean hourly progress



Existing Near-Term Targets

Clean and RPS targets for the mid-term period, 2025 through 2029, will remain at 100% clean with an RPS target of at least five percent above minimum compliance requirements as provided for in California's RPS program.



Key Planning and Policy Questions

What should SVCE's Clean and RPS target be for 2030, 2035, 2040, 2045?

Should we set an Annual, Hourly and/or Other Clean target?

How to balance long-term vs. short-term contracts?

Should SVCE have an additionality requirement (i.e., only new build)?

How much should SVCE rely on hydro and nuclear (market & allocations)?

How much “room” to leave for CPE and emerging technologies?

What is the role of virtual power plants and distributed energy resources in meeting targets?

Should we pursue local generation?

Given overall targets, what should customer product offerings look like?



September Board Recap and New Considerations

Board Meeting:

- Presented E3 findings including build, rate impact, and cost of achieving 24/7 carbon-free portfolio
- Discussed uncertainty due to market conditions, load and regulatory risk (esp. allocations from PG&E and CPE)
- Overall support for not adopting 24/7 given the risk, however desire to go beyond 100% clean on an annual basis

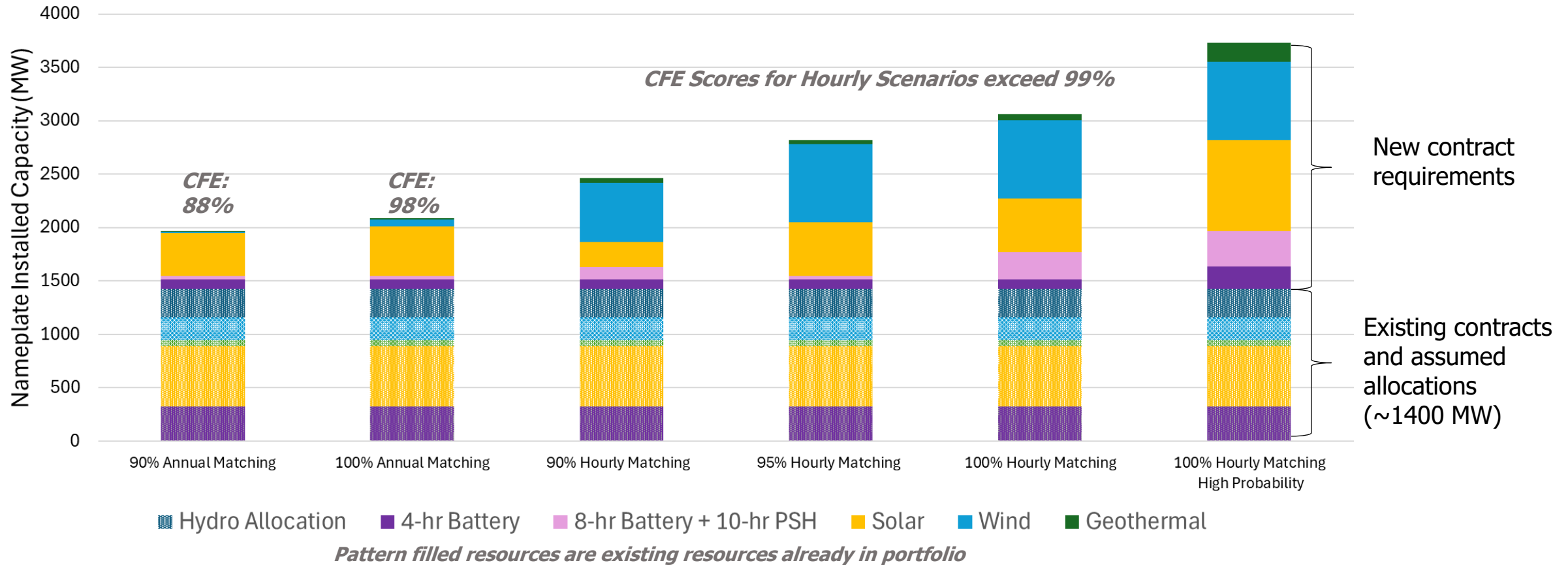
Post-meeting Additions:

- Staff assessed adding a monthly clean target and/or including a greenhouse gas (GHG) reducing metric in making portfolio decisions
- Clarification on definition of clean to align with the state's definition including line losses
- Inclusion of uncertainty bands



Capacity Additions to Meet Various Clean Targets

Installed Capacity for Select Scenarios - 2035

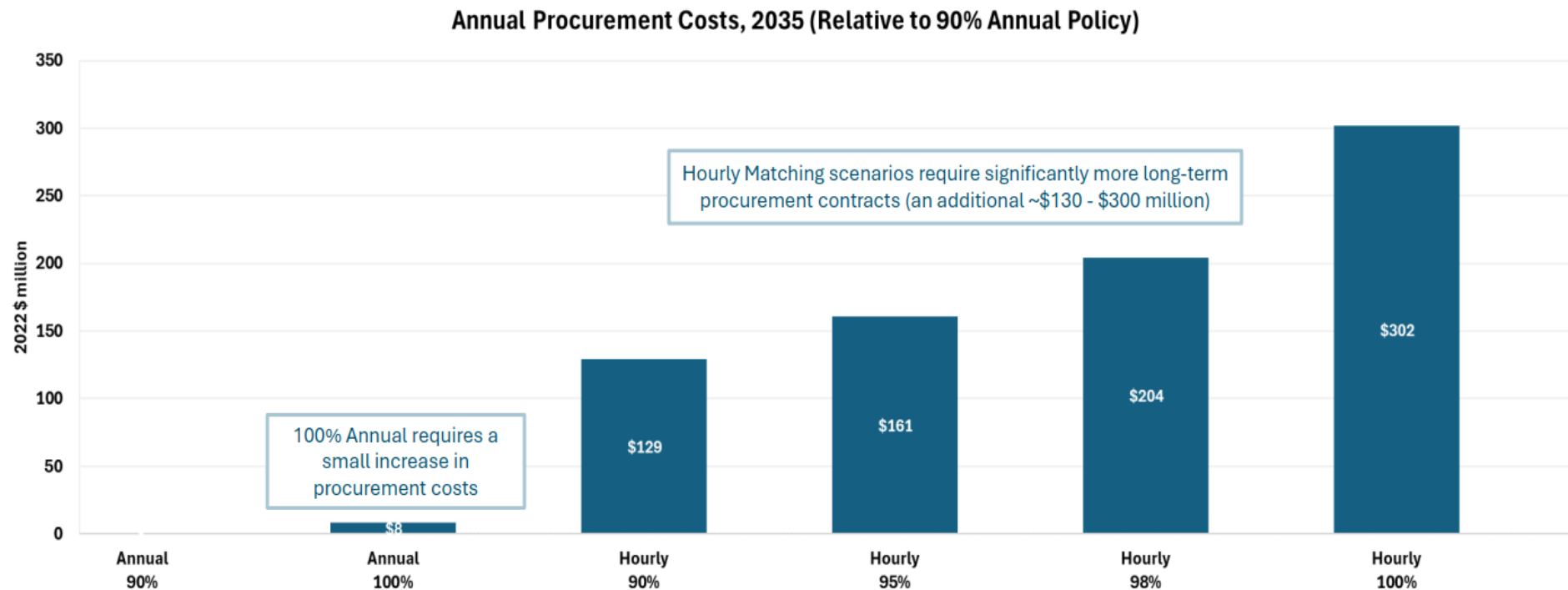


- 100% hourly matching requires 2,300 MW of new capacity by 2035 vs. 664 MW in 100% annual case
- High probability of hourly matching vs. expected hourly matching increases need 15-20%
- Wind resources are a significant contributor to hourly matching



Cost and Risk Summary

Modelled annual procurement costs increase \$300M under a 100% hourly matching scenario

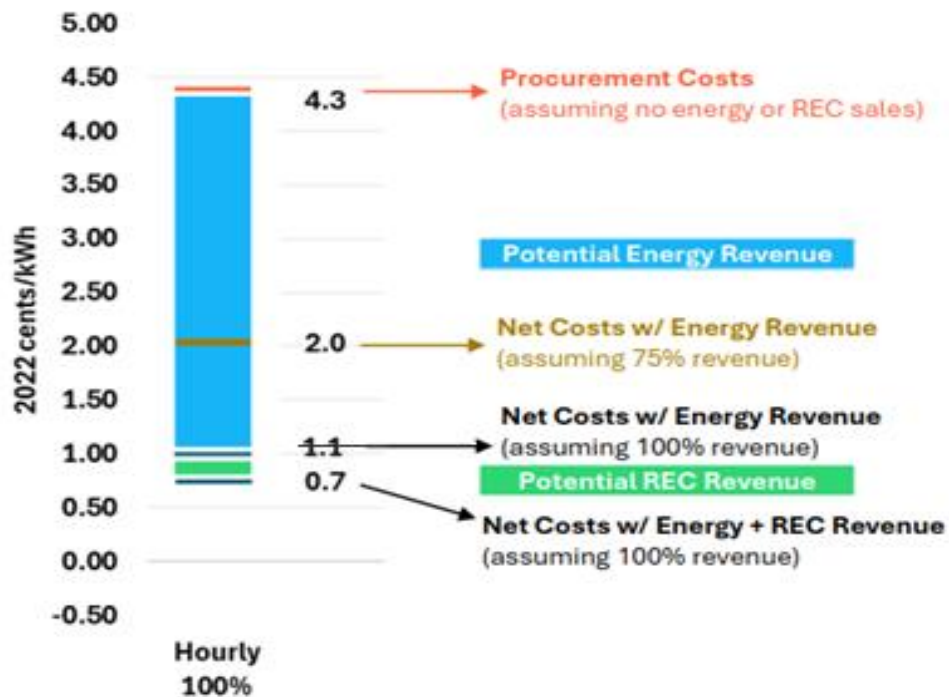


- **Costs may be largely offset by revenues but there is significant market risk**
- **More over-procurement = more portfolio risk**



Net Procurement Costs for 100% Hourly Case

Results suggest procurement costs *may* largely be offset by market revenues based on model assumptions. However, These results are highly uncertain and dependent on market conditions.



Expected Cost: 4.3 cents/kWh (\$43/MWh).

Expected Offsetting revenue: 3.6 cents/kWh (\$36/MWh)

Net costs 0.7 cents/kWh or \$7 MWh

Analysis assumes SVCE is a price-taker and market prices are based on 2024 Preferred System Plan; assumes market participants will not exceed SB100 requirements.



Previously Presented Merits of Clean Options

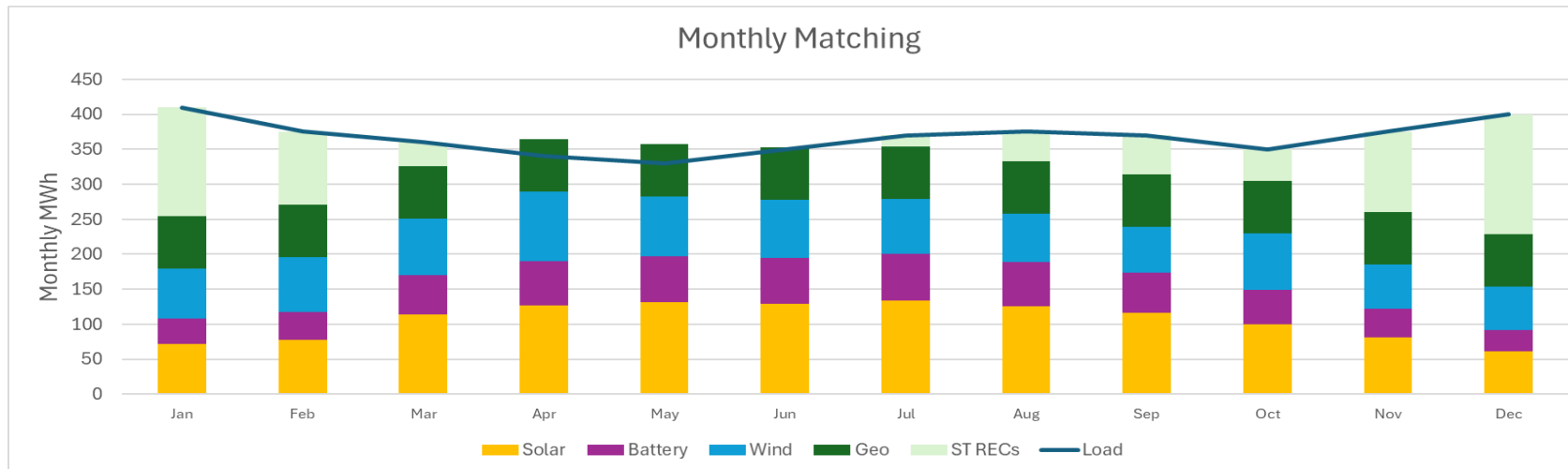
Item 4
PRESENTATION

	Minimum Compliance	Annual (90 to 100%)	Hourly – 24x7	CFE
2035 Target	90% annual	90 to 100%	100%	90%+
Clean GHG reduction		 	  	 
Reliable Meets RA				
Affordable Rate Impact	\$	\$ \$	\$ \$ \$	\$ \$
Comments	Higher compliance risk (no built-in excess)	- Current SVCE policy - Short-term challenges - Aligns with SB100	- Hard to set achievable target - Risk of stranded assets due to over procurement	Incentives putting resources in “dirtier” hours without islanding the LSE



New Option: Monthly

- What: Achieve 100% clean on a monthly basis (vs. annual)
- How: Purchase monthly Short-term renewable energy credits (RECs) and/or carbon-free to fill gaps in long-term portfolio.
- Why: Closer to 24x7 than annual requirement.
- Why Not: Emissions follows a daily pattern; limited seasonal benefits. Seasonal patterns for LT resources creates difficult to fill (or sell) open positions. Likely expensive given resource availability.



***Not recommended as
part of Clean Targets.***



New Option: PPA GHG Metric

- What: Evaluate each long-term PPA for emissions impact on SVCE portfolio
- How: Estimate SVCE emissions and system-wide reduction in gas dispatch for each project. Exact details to be determined.
- Why: Ensures SVCE’s long-term portfolio and impact on grid dispatch minimize GHG emissions without “islanding” SVCE.
- Why Not: Shifts focus away from solely economic/ risk evaluation. Forecast emissions may be inaccurate.

SVCE CEO already has the authority to establish evaluation metrics and has considered GHG in previous evaluations. Recommend that we monitor and report as part of Clean Targets.

SVCE Example Results: With and without wind project:

CO ₂	Unit	2030	2035
Total	MMt/yr	0.36	0.21
Average emissions intensity	tCO ₂ /MWh	0.094	0.053

CO ₂	Unit	2030	2035
Total	MMt/yr	0.32	0.18
Average emissions intensity	tCO ₂ /MWh	0.084	0.044



Measuring Clean Hours

By including GHG-emissions in evaluation efforts, SVCE will increase value of resources which emit in “dirtier” hours, thereby improving its hourly clean outlook.

- Starting in 2028 SVCE will begin reporting hourly emissions as part of SB 1158.
- Hourly emissions can be calculated based on:
 - Carbon Free Energy Score
 - Whether SVCE’s clean portfolio met its demand in a given hour
 - How much of SVCE’s clean portfolio met its demand in a given hour
- Staff will return to the board in March to discuss how it will report clean hours

Illustrative Example Reporting

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	73%	75%	75%	72%	68%	72%	74%	87%	93%	93%	95%	96%	96%	97%	94%	93%	82%	66%	65%	65%	65%	68%	71%	72%
2	75%	77%	77%	77%	73%	72%	76%	89%	93%	93%	95%	95%	97%	97%	96%	97%	93%	70%	67%	66%	66%	69%	72%	74%
3	91%	91%	91%	91%	87%	80%	93%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	83%	74%	75%	81%	87%	90%	90%
4	92%	94%	96%	95%	92%	90%	99%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	92%	82%	83%	89%	91%	91%	92%
5	95%	95%	96%	95%	93%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	87%	87%	92%	95%	95%	95%
6	90%	93%	94%	93%	90%	97%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	97%	87%	86%	90%	90%	90%	90%
7	74%	77%	79%	78%	77%	84%	94%	99%	100%	100%	100%	100%	100%	100%	100%	99%	97%	89%	79%	79%	80%	76%	72%	74%
8	66%	69%	71%	69%	66%	76%	88%	93%	97%	98%	99%	99%	99%	98%	98%	96%	92%	79%	73%	74%	72%	66%	65%	66%
9	63%	66%	66%	65%	62%	66%	83%	92%	98%	100%	100%	99%	100%	99%	98%	95%	85%	73%	72%	72%	69%	66%	66%	66%
10	79%	81%	82%	81%	77%	74%	90%	94%	99%	100%	100%	100%	100%	100%	100%	99%	82%	70%	69%	68%	70%	72%	74%	77%
11	67%	70%	74%	73%	74%	73%	80%	94%	98%	100%	100%	100%	100%	100%	99%	92%	65%	64%	64%	64%	64%	65%	66%	68%
12	64%	65%	66%	65%	66%	67%	69%	82%	82%	89%	92%	93%	93%	93%	91%	81%	66%	63%	62%	61%	62%	62%	63%	64%



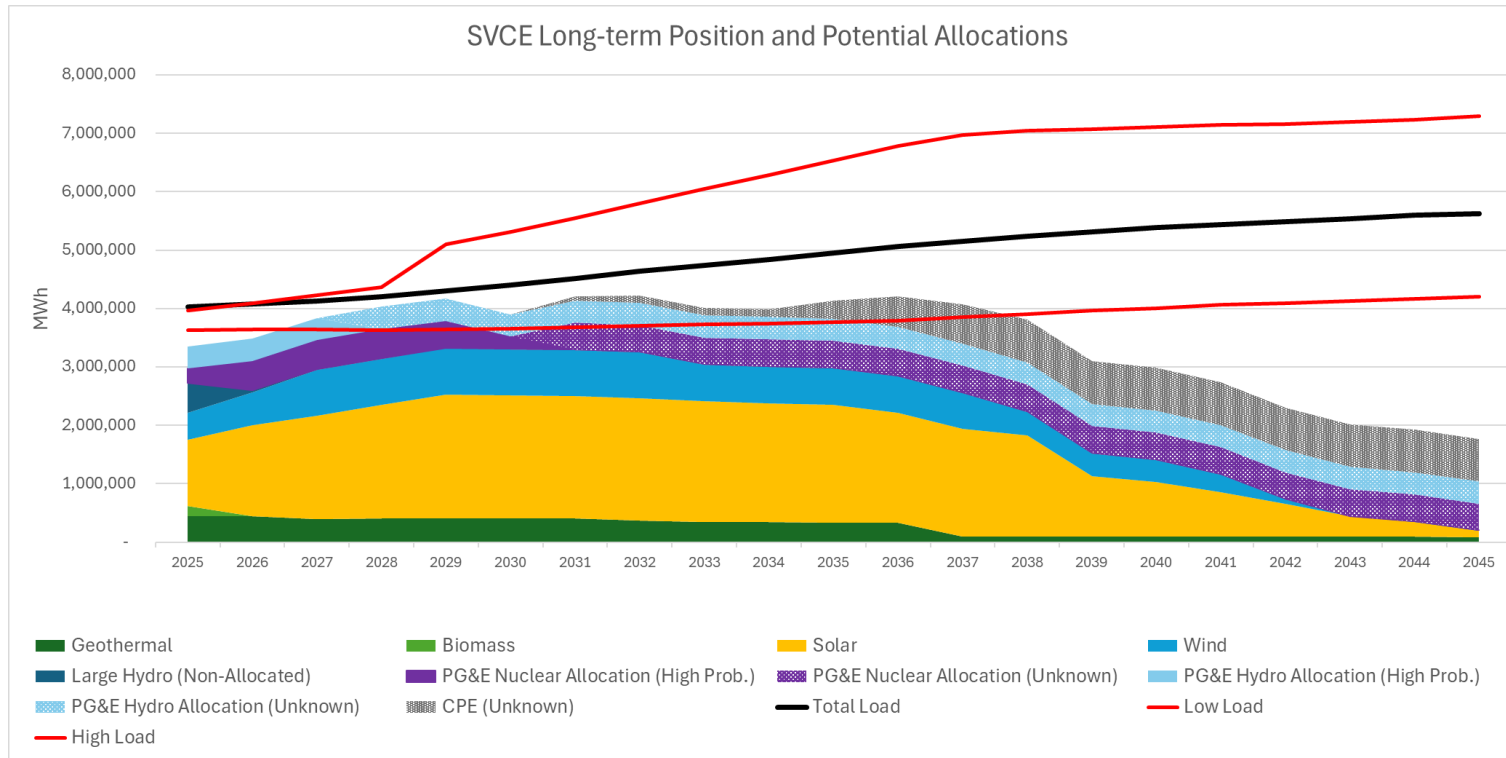
Defining 100% Clean

- Eligible Resources – new and existing:
 - All Renewable Portfolio Standard (RPS) eligible resources. Note “buckets” for Power Content Categories (“PCC”), may change beyond 2030. In such a case staff will return to board to seek guidance
 - Carbon-free Large Hydro
 - Carbon-free Nuclear
- Line Losses
 - SVCE has historically bought to cover “line losses” – the energy lost over transmission and distribution lines as it is transmitted from the generation facility to the customer.
 - Compliance obligations are historical on “retail sales” and therefore ignore line losses (SB100), however increasingly line losses are being considered.
 - Historically losses has been assumed to be 6% but new regulations have created additional volatility in its value.



Long-term Portfolio Uncertainty

SVCE has uncertainties on both the supply and demand side.



- **Significant allocation uncertainty**
- **May need room for additional procurement orders (not shown)**
- **“Laddering” strategy requires room for short-term contracts**
- **Supply constraints expected to increase until new clean capacity comes on-line**
- **Setting a single target is difficult to achieve.**



Managing Uncertainty

Staff needs flexibility in managing such uncertainty.

Renewable Portfolio Standard (RPS) & Overall Clean Target (RPS plus Carbon Free)

Year	Compliance Req.(a) per SB 100	SVCE Proposed Target* (b)	Amount Above Compliance (a – b)	Proposed Uncertainty Band below Clean Target	SVCE minimum clean position
2030	60% RPS N/A Clean	75% RPS 100% Clean	15% 46%	10%	65% RPS 90% Clean
2035	60% RPS 90% Clean	100% RPS 100% Clean	40% 16%	10%	90% RPS 90% Clean
2040	60% RPS 95% Clean	100% RPS 100% Clean	40% 11%	10%	90% RPS 90%Clean
2045	60% RPS 100% Clean	100% RPS 100% Clean	40% 6%	6%	90% RPS 90% Clean

*RPS to be measured on retail sales; Clean to be measured on gross, loss adjusted load.



Executive Committee Feedback

October 25, 2024 Executive Committee meeting:

- Unanimous supportive for staff's recommended Clean energy annual targets and definition
- Requested more information and details around how the 10% margin would be applied and when staff would report position and progress to the Board.
 - Staff suggested this would be part of the annual budget development process in September.
- Requested more definition and details around assessment of and reporting of hourly GHG emissions, including how applied to evaluation and approval of Power Purchase Agreements and when provided to the Board



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2024 Local Agency Action Planning

Resources to support the transition to pollution-free buildings and transportation.

November 13, 2024

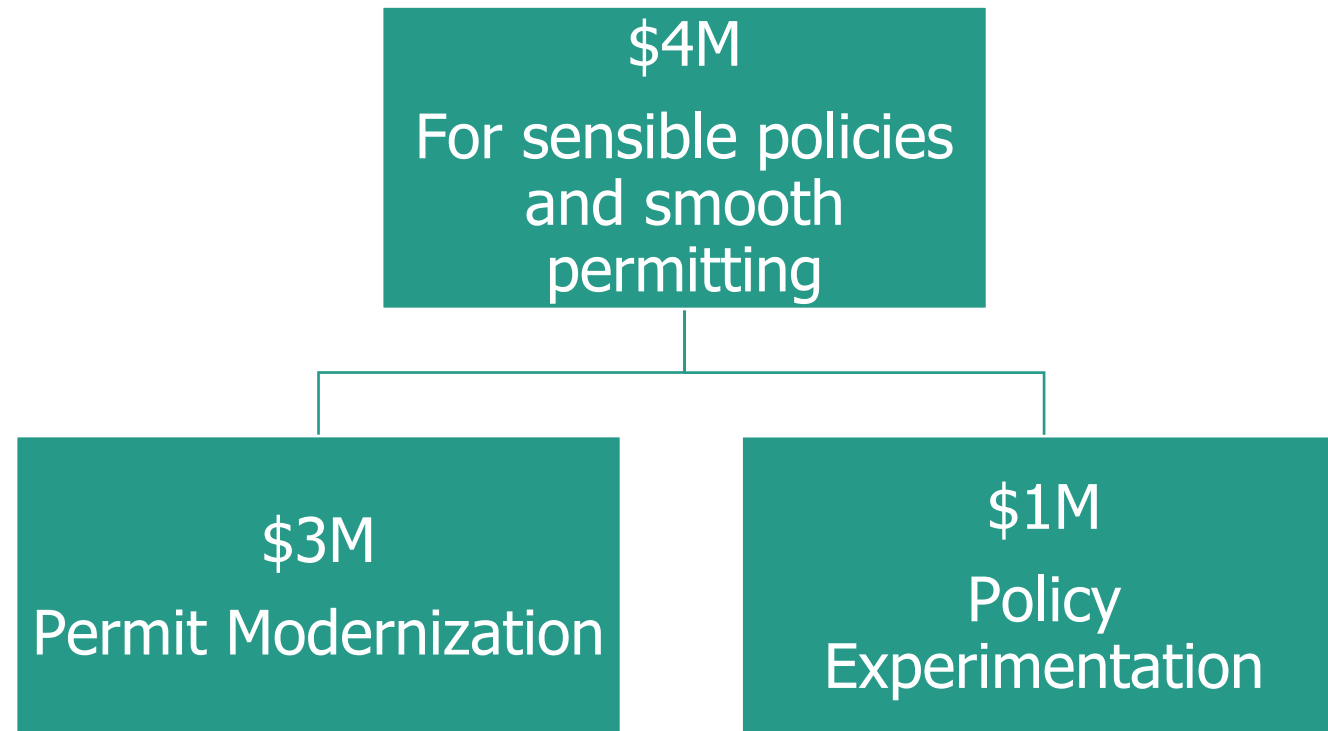
Objective

Provide the Board with a status update on agency electrification readiness planning

SVCE and Member Agency Partnership

SVCE rebates and federal tax credits can reduce the financial cost of electrification. Local codes and permitting can increase adoption at the best time and with less friction.

SVCE is launching two complementary programs to provide our member agencies \$4M in technical resources and grants to enable sensible local policies and smoother local permitting.



Each agency selects from a menu of options to help their community more easily make this transition.

There are three tiers of action.

Foundational Practices	Advancing Practices	Leading Practices
<i>Choose 3</i>	<i>Foundational + Choose 3 Advancing</i>	<i>Advancing + Choose 4 Leading</i>
Distribute info about BAAQMD, incentives, etc. with each permit	Train on avoiding unnecessary service upgrades	Allow plumbers to perform minor electrical work to streamline HPWH installations per CSLB
Implement Permit Concierge	Participate in meeting(s) on certified contractors network	BAAQMD ramp up (includes electrification readiness) on remodels
Provide staff training on building electrification technologies	Free permit pilot with outreach campaign	Require disclosures about gas appliances at time of sale
Enhance pre-application support materials	Insert comments in plans encouraging rewiring during other work	Implement certified contractors program
		Incentive-based remodels for electrification
		Adopt real-time permitting for HPWHs
		Require heat pumps at time of AC install or replacement

Action Planning Progress Update

Member Agency		Action Plan Status		Actions Planned	
		Foundational	Advancing	Leading	
Campbell	Finaled	2	2	5	
Cupertino	Agency Reviewing		TBD		
Gilroy	Finaled	2	2	2	
Los Altos	Finaled	3	3	4	
Los Altos Hills	Finaled	2	2	4	
Los Gatos	Finaled	2	3	4	
Milpitas	Finaled	2	4	4	
Monte Sereno	Finaled	1	1	5	
Morgan Hill	Finaled	1	3	5	
Mountain View	Finaled	3	5	4	
Saratoga	Agency Finalizing		TBD		
Sunnyvale	Agency Finalizing		TBD		
County of Santa Clara	Agency Reviewing		TBD		

Member agencies are already leading the way!

Item 5
PRESENTATION

- 1. Campbell just released a new “Electrify Your Home” webpage that simply rocks!!!**
 - Comprehensive
 - Ties To Permitting So Customers Are Informed (with links to permitting resources)
 - Addresses Panel Optimization Opportunities

- 2. Los Altos Issues Real-Time Permits for Heat Pump Water Heaters!!!**

Thank you!



svcleanenergy.org



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Appendix

The Impact of Local Government Action

Sensible action now can make this transition easier and cheaper. For example, if every jurisdiction...

- Adopted rewiring requirements it could lead to **tens of thousands of electric-ready homes by 2030.**
- Required bidirectional AC at the time of replacement, it could add **~20,000 heat pumps by 2029** and **save residents \$ millions in redundant costs.**

The Impact of Your Leadership - Assumptions

Sensible action now can make this transition easier and cheaper. For example, if every jurisdiction...

- Adopted rewiring requirements it could lead to **tens of thousands of electric-ready homes by 2030.**
- There are at least 5000 permits drawn per year in our service territory that could reasonably require pre-wiring. This could mean at least 25,000 electric-ready homes by 2030. Given the variety of ways these policies could be written, we are not stating a certain number, but rather an order of magnitude.
- Required bi-directional AC at the time of replacement, it could add **~16,000 heat pumps by 2029** and **save residents \$ millions in redundant costs.**
- According to the market saturation study that SVCE conducted, there are ~100,000 ducted AC systems in our territory and they last ~20 years. Assuming an even annual turnover, that is ~5 replacements per year and ~20,000 by 2029 if policies went into effect in 2025.

BAAQMD Update

1. BAAQMD will report to the Board in December on market readiness, including costs, technology, workforce, and tenant protections.
2. SVCE is coordinating the 7 Bay Area CCAs to develop scalable solutions that support our communities.
3. South Coast Air Quality Management District passed similar phase out rules, but starting with larger water heaters and including new construction.
4. CA Air Resources Board – the current [proposal](#) would make phaseout gas water heaters statewide starting in 2027.

SVCE is providing a comprehensive set of resources to help each agency meet its goals.

Available to All

Resources Available	Permit Modernization	Policy Experimentation
1:1 consultation w/SVCE staff (Board member & agency staff)	X	X
Tailored action plan for each jurisdiction	X	X
Technical, legal, and staff support resources	X	X
Access to national-level climate change trainings	X	X
Stipend for part-time, one-year fellow	X	X
Expanded consultant support to implement leading-edge initiatives	X	X

Available to Leadership Cohort

