



**AGENDA  
COMMUNITY ADVISORY COMMITTEE MEETING  
THURSDAY, JANUARY 21, 2021  
1:00 P.M.**

---

**\*\*\*\*GOVERNOR'S EXECUTIVE ORDER N-25-20\*\*\*\***

**\*\*\*\*GOVERNOR'S EXECUTIVE ORDER N-29-20\*\*\*\***

\*\*RE CORONAVIRUS COVID-19\*\*

CONSISTENT WITH THE PROVISIONS OF THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPEND CERTAIN REQUIREMENTS OF THE BROWN ACT, AND THE ORDER OF THE HEALTH OFFICER OF THE COUNTY OF SONOMA TO SHELTER IN PLACE TO MINIMIZE THE SPREAD OF COVID-19, MEMBERS OF THE COMMUNITY ADVISORY COMMITTEE WILL PARTICIPATE IN THE JANUARY 21, 2021, MEETING BY TELECONFERENCE. DUE TO THE EXECUTIVE ORDERS, IN-PERSON PARTICIPATION BY THE PUBLIC WILL NOT BE PERMITTED AND NO PHYSICAL LOCATION FROM WHICH THE PUBLIC MAY ATTEND THE MEETING WILL BE AVAILABLE. REMOTE PUBLIC PARTICIPATION DETAILS ARE LISTED BELOW.

**Members of the public who wish to participate in the Community Advisory Committee Meeting may do so via the following webinar link or teleconference call-in number and meeting code:**

- Webinar link: <https://zoom.us/j/97846961330>
  - Telephone number: 1 (669) 900-9128
  - Meeting ID: 978 4696 1330

**PLEASE NOTE: The Sonoma Clean Power Business Office is closed and this meeting will be conducted entirely by teleconference.**

How to Submit Public Comment During the Teleconference Meeting:

The Chair will request public comment during the Public Comment period for all items on the agenda. Comments may be submitted in writing (preferred) to [meetings@sonomacleanpower.org](mailto:meetings@sonomacleanpower.org) or during the meeting via the webinar "raise your hand" feature. For detailed public comment instructions, [please visit this page](#).

For written comments, state the agenda item number that you are commenting on and limit to 300 words. Written comments received prior to the meeting and/or the agenda item you wish to comment on will be read into the record up to 300 words.

*Staff recommendations are guidelines to the Committee. On any item, the Committee may take action which varies from that recommended by staff.*

**I. CALL TO ORDER**

**II. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA**

(Comments are restricted to matters within the Committee's jurisdiction. Please be brief and limit spoken comments to three minutes, or 300 words if written.)

**III. COMMUNITY ADVISORY COMMITTEE CONSENT CALENDAR**

1. Approve December 16, 2020 Draft Community Advisory Committee Meeting Minutes (Staff Recommendation: Approve) - pg. 5

**IV. COMMUNITY ADVISORY COMMITTEE REGULAR CALENDAR**

2. Receive Internal Operations and Monthly Financial Report and Provide Feedback as Appropriate (Staff Recommendation: Receive and File) - pg. 11
3. Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate (Staff Recommendation: Receive and File) - pg. 27
4. Receive Annual Report (Staff Recommendation: Receive and File) - pg. 31
5. Receive Programs Strategic Action Plan and Provide Feedback as Appropriate (Staff Recommendation: Receive and File) - pg. 43
6. Discuss EverGreen Local Resource Public Workshop #2 and Provide Feedback as Appropriate (Staff Recommendation: Receive and File) - pg. 83
7. Discuss Proposed Process for Nominations and Selection of a Chair and Vice Chair in Advance of Open Nominations and Vote at February Meeting (Staff Recommendation: Discuss and Provide Feedback as Appropriate) - pg. 99

**V. COMMITTEE MEMBER ANNOUNCEMENTS**

**VI. ADJOURN**

*DISABLED ACCOMMODATION: If you have a disability which requires an accommodation or an alternative format, please contact the Clerk of the Board at (707) 890-8491, or by email at [meetings@sonomacleanpower.org](mailto:meetings@sonomacleanpower.org) as soon as possible to ensure arrangements for accommodation.*

## COMMONLY USED ACRONYMS AND TERMS

<b>AER</b>	Advanced Energy Rebuild (A program that helps homeowners affected by the October 2017 firestorms rebuild energy efficient, sustainable homes).
<b>CAC</b>	Community Advisory Committee
<b>CAISO</b>	California Independent Systems Operator
<b>CAM</b>	Cost Allocation Mechanism
<b>CCA</b>	Community Choice Aggregation
<b>CEC</b>	California Energy Commission
<b>CleanStart</b>	SCP's default service
<b>CPUC</b>	California Public Utility Commission
<b>DER</b>	Distributed Energy Resource
<b>ERRA</b>	Energy Resource Recovery Account
<b>EverGreen</b>	SCP's 100% renewable, 100% local energy service
<b>Geothermal</b>	A locally-available, low-carbon baseload renewable resource
<b>GHG</b>	Greenhouse gas
<b>GRC</b>	General Rate Case
<b>IOU</b>	Investor Owned Utility (e.g., PG&E)
<b>IRP</b>	Integrated Resource Plan
<b>JPA</b>	Joint Powers Authority
<b>LSE</b>	Load Serving Entity
<b>MW</b>	Megawatt (Power = how fast energy is being used at one moment)
<b>MWh</b>	Megawatt-hour (Energy = how much energy is used over time)
<b>NEM</b>	Net Energy Metering
<b>NetGreen</b>	SCP's net energy metering program
<b>PCIA</b>	Power Charge Indifference Adjustment ( <i>This fee is intended to ensure that customers who switch to SCP pay for certain costs related to energy commitments made by PG&amp;E prior to their switch.</i> )
<b>ProFIT</b>	SCP's "Feed in Tariff" program for larger local renewable energy producers
<b>PSPS</b>	Public Safety Power Shutoff - a term used when it may be necessary for PG&E to turn off electricity for public safety when gusty winds and dry conditions, combined with a heightened fire risk, are forecasted
<b>PV</b>	Photovoltaics for making electric energy from sunlight
<b>RA</b>	Resource Adequacy - a required form of capacity for compliance
<b>REC</b>	Renewable Energy Credit - process used to track renewable energy for compliance in California.
<b>SCP</b>	Sonoma Clean Power
<b>TOU</b>	Time of Use, used to refer to rates that differ by time of day and by season

Page intentionally left blank for double-sided printing



**DRAFT MEETING MINUTES  
COMMUNITY ADVISORY COMMITTEE MEETING  
WEDNESDAY, DECEMBER 16, 2020**

---

**\*\*\*\*GOVERNOR'S EXECUTIVE ORDER N-25-20\*\*\*\***  
**\*\*\*\*GOVERNOR'S EXECUTIVE ORDER N-29-20\*\*\*\***

\*\*RE CORONAVIRUS COVID-19\*\*

CONSISTENT WITH THE PROVISIONS OF THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPEND CERTAIN REQUIREMENTS OF THE BROWN ACT, AND THE ORDER OF THE HEALTH OFFICER OF THE COUNTY OF SONOMA TO SHELTER IN PLACE TO MINIMIZE THE SPREAD OF COVID-19, MEMBERS OF THE COMMUNITY ADVISORY COMMITTEE PARTICIPATED IN THE DECEMBER 16, 2020, MEETING BY TELECONFERENCE.

**I. CALL TO ORDER**

Chair Dowd called the meeting to order at approximately 1:02 p.m.

Committee Members present: Chair Dowd, Vice Chair Baldwin, and Members Chaban, Fenichel, Nicholls, Mattinson, Morris, Sizemore, and Quinlan

Staff present: Geof Syphers, Chief Executive Office; Mike Koszalka, Chief Operating Officer; and Stephanie Reynolds, Director of Internal Operations

**II. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA**

Public Comment: None

**III. COMMUNITY ADVISORY COMMITTEE CONSENT CALENDAR**

1. Approve November 16, 2020 Draft Community Advisory Committee Meeting Minutes
2. Receive Audited Financial Statement for FY 2019/2020
3. Recommend that the Board of Directors Authorize the Chief Executive Officer execute an agreement with, and subsequent amendments, with Enel X North America with a Total Not-to Exceed Amount of \$530,000 through June 30, 2021

Public Comment: None

Motion to Approve the December 16, 2020 Consent Calendar by Vice Chair Baldwin

Second: Member Nicholls

Motion passed: 9-0-0 by a Roll Call Vote

#### **IV. COMMUNITY ADVISORY COMMITTEE REGULAR CALENDAR**

4. Receive Internal Operations and Monthly Financial Report and Provide Feedback as Appropriate

Director of Internal Operations Stephanie Reynolds introduced the item by noting SCP's business office remains closed due to the COVID-19 stay-at-home orders and staff continues to work remotely. Director of Public Affairs & Marketing Kate Kelly gave an update on SCP's Holiday Donation Programs, including recent & upcoming food donation events in partnership with the Redwood Empire Food Bank. Director Reynolds presented on the status of the SCP Headquarters project, followed by Programs Manager Chad Asay who updated the Committee on the Advanced Energy Center and the various programs & events either underway or planned for that facility. Director Reynolds then detailed the Monthly Financial Statements and upcoming public meetings.

Public Comment: None

5. Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate

Director of Regulatory Affairs Neal Reardon updated the Committee on PG&E's recent mailer to customers notifying of an increase in CCA customer rates and a decrease in in bundled customer rates. He stated that the figures referenced in PG&E's mailer were based on PG&E's pending Application with the CPUC, and how since then, SCP and other CCAs developed a joint-settlement agreement with PG&E, SCE, and SDG&E which would smooth these rate increases over a 3-year period instead of the 1-year initially proposed by PG&E. CEO Syphers then gave a legislative update with a focus on energy-related political appointments at the state and federal level.

Public Comment: None

6. Approve Community Advisory Committee Meeting Dates for 2021 Calendar Year

Director of Internal Operations Stephanie Reynolds introduced the item, which was brought forward at the Committee's request to establish a regular meeting schedule. She then detailed the process used to determine the preferred meeting day and time of the 3<sup>rd</sup> Thursday of each month from 1pm-3pm.

Member Morris noted her continued support for evening meetings, particularly as it relates to greater public participation and agency-wide diversity, equity, and inclusion efforts.

Public Comment: None

Following Committee discussion, staff was directed to establish a regular meeting schedule of the 3<sup>rd</sup> Thursday of each month from 1pm-3pm for the 2021 calendar year.

7. Discuss EverGreen Local Resource Public Workshop #1

Director of Planning & Analytics Rebecca Simonson introduced the item by detailing the Local Resource Plan, which will establish what local resources needed to be invested in and developed to meet the growing demands of EverGreen customers. She then provided a recap of the Public Workshop for the Local Resource Plan that was held on December 1<sup>st</sup>. Director Simonson detailed how the workshop focused on priority setting for the EverGreen product & local development and received significant public participation and feedback on the following topics: preferences for types of renewable resources, locations, land use, labor and cost; suggestions to improve the existing EverGreen product; resources to improve reliability and Public Safety Power Shutoff Resiliency; and input on improving the participation and inclusion of underserved communities. Following this, she described next steps in the process for the development of the Local Resource Plan.

Member Sizemore thanked staff for recording the webinar and posting it to the SCP website; she also noted the significant amount of public participation, comments, and poll respondents.

Member Morris stated she viewed the recording and was struck by the strong preference for solar plus battery storage among webinar participants, and that perhaps this is in response to greater familiarity with the technologies; she then suggested that this could be an opportunity for greater customer education around innovative and emerging technologies. Director Simonson stated that the next Local Resource Plan workshop will expand on various resource technologies and their potential for SCP's service territory.

Public Comment: None

8. Recommendation that the Board Provide Stability to Customer Bills by Approving a Conditional Rate Adjustment to Reduce Generation Rates 30 Days after PG&E Implements Fee and Rate Changes

CEO Syphers introduced the item by providing background on PG&E's historical practice of issuing new rates with limited notice, impacts of the Power Charge Indifference Adjustment Fee ("PCIA"), and previous Board

action to establish an Operating Account Fund for the purposes of customer bill stabilization. He then described recent forecasting of PG&E's PCIA fee and generation rates that determined SCP customers' total bills would be significantly more than PG&E Bundled customer effective January 1, 2021. CEO Syphers detailed staff's recommendations for conditional rate adjustments and the use of up to \$6 million from the Operating Account Fund for Bill Stabilization to ensure rates within 5% of PG&E's bundled rates.

Chair Dowd noted his support for staff's recommendations as it will protect customers from bill volatility and sudden increases. Members Chaban and Sizemore suggested customer outreach and education around SCP's efforts to maintain competitive rates through the Operating Account Fund for Bill Stabilization.

Public Comment: None

Motion by Member Nicholls to Recommend that the Board of Directors approve a conditional rate adjustment that protect customers from significant bill increases from changes in PG&E's fees and bundled rates as follows:

1. If after PG&E implements new rates for PCIA and bundled generation, SCP's rates are compliant with Financial Policy B2 Sections 1B and 1C and SCP rates result in customer bills no more than 5% above PG&E, make no changes to rates.
2. If conditions for #1 are not met, approve a conditional rate adjustment for implementation 30 days after PG&E rate changes as follows:
  - a. Reduce SCP rates such that customer bills average no more than 5% above PG&E so long as no more than \$6M of the Operating Account Fund for Rate Stabilization is forecast to be used with the current Fiscal Year.
  - b. If conditions #2a is not met, set SCP rates such that \$6M of the Operating Account Fund for Rates Stabilization is forecast to be used within the current Fiscal Year regardless of bill comparison to PG&E and return to the Board for further direction.

Second: Member Mattinson

Motion passed: 9-0-0 by a Roll Call Vote

*Vice Chair Baldwin left the meeting at approximately 2:47 p.m.*

9. Recommend that the Board of Directors Adopt a Resolution Joining CC Power, a JPA of California CCAs, for the Purpose of Joint Procurement of Energy Resources and Products



CEO Syphers began by thanking the Committee for their previous substantive discussion on this item and conveyed the Board's gratitude as well. He then recounted the scope of CC Power and how participation in the JPA would allow for joint procurement of energy resources. CEO Syphers then updated the Committee on standing question posed at their last meeting, such as risk management and liability; SCP's rights to withdraw from CC Power; staff's decision to not use NCPA for these services; and any exposure from financial defaults by CC Power.

Public Comment: None

Motion to Recommend that the Board of Directors Pass a Resolution for SCP to join CC Power, a Joint Powers Agency of California Community Choice Programs, in Order to Facilitate Pooled Purchases of Energy Resources and Products in Accordance with California Community Power Agency Joint Powers Agreement Page 1 through 13 as Contained in the Meeting Agenda Packet by Member Sizemore

Second: Member Quinlan

Motion passed: 8-0-0 by a Roll Call Vote

10. Receive Report on the Potential Use of Microgrids to Reduce Distribution Costs and Fire Risks in Certain Remote Areas and Consider Recommending a Limited Number of Pilot Projects

CEO Syphers introduced the item by detailing a recent call with PG&E, wherein they stated they are exploring an agreement with certain customers to build microgrids within SCP's territory instead of replacing distribution lines that were destroyed by wildfires. He noted this type of project has never happened in SCP's territory, and while it raises numerous jurisdictional questions, he stated his support for a very limited number of these applications while policy implications are worked through.

Member Nicholls asked how the affected customers are receiving power and if PG&E, as the provider of last resort, is obligated to rebuild the transmission lines; CEO Syphers stated that it is his understanding that the customers are relying on self-generation and that PG&E is ultimately required to rebuild, or, reach consensus with all affected parties on building microgrids in-lieu of distribution lines.

Member Mattinson noted his overall support, but expressed concern about signing an agreement with PG&E given the preliminary nature of the proposal; CEO Syphers advised Member Mattinson that he would strike this

language from any future Board items and consider alternative forms of approval given these concerns.

Public Comment: None

Motion by Member Nicholls to Recommend that the Board of Directors Delegate Power to the CEO Working with the Special Counsel to Negotiate with PG&E Approving a Limit Pilot Use of Remote Microgrids inside the SCPA Service Territory, Subject to the Following Limitations:

- Limit this approval to a small pilot study where the total across all remote grids is less than 200 kW of peak load.
- Require PG&E to materially involve SCPA in early communications directly with the affected customers to allow SCPA to understand their needs, to inform the customers of opportunities to use clean power sources if they choose to own the microgrid, and if appropriate, to have conversations about SCPA owning or operating generating and storage resources.
- Requires that any approval between SCPA and PG&E in no way sets precedent for future policies, regulations, fees, tariffs, changes to SCPA's right or obligation to serve customers, or any other related matter.

Second: Member Morris

Motion Passed: 8-0-0 by a Roll Call Vote

## **V. COMMITTEE MEMBER ANNOUNCEMENTS**

Member Quinlan inquired about the process for electing a Chair and Vice Chair, requested that staff formalize the process for considering a Chair and Vice Chair, and stated his interest in serving as Vice Chair. CEO Syphers advised the Committee that staff will add this item to a future agenda.

## **VI. ADJOURN**

Chair Dowd adjourned the meeting at approximately 3:35 p.m.



## **Staff Report - Item 02**

---

**To: Sonoma Clean Power Authority Community Advisory Committee**

**From: Stephanie Reynolds, Director of Internal Operations**  
**Mike Koszalka, Chief Operating Officer**

**Issue: Receive Internal Operations and Monthly Financial Report and Provide Feedback as Appropriate**

**Date: January 21, 2021**

---

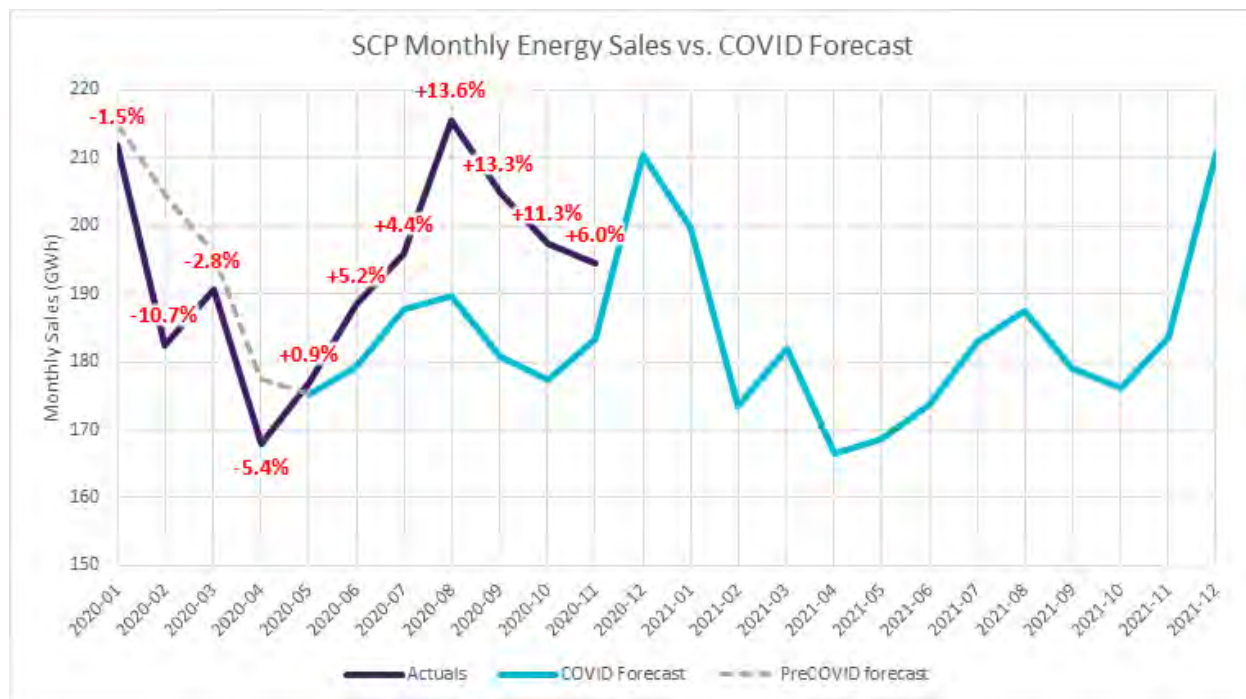
### **COVID-19 IMPACTS TO SCP**

SCP began 2020 with a normal operations forecast, however we needed to adjust once COVID implications hit Sonoma and Mendocino Counties. Staff was able to engage with local economists and, using their input, developed an adjusted forecast starting in May 2020 considering COVID impacts going forward for the next several years. The economists predicted a range of outcomes for business closures and residential impacts and Staff used the median range of forecasts for the budget. The impact of COVID-triggered permanent business closures forecasted by contracted economists and their associated impact to SCP energy sales and revenue have not yet come to fruition.

The FY20-21 budget assumed SCP's meter count would drop from 227,000 to below 223,000 by the end of the year; instead, SCP's meter count has slightly grown to over 228,000. Additionally, an unusually warm summer and increased residential usage supported strong sales despite reduced business activity. SCP is currently expecting 2020 calendar year energy sales of 2,345 GWh, which is just slightly less than the 2,360 GWh sold in calendar year 2019 but 5% higher than the annual sales forecast developed using the economists' projections for the economy as inputs to our model.

Current FY20-21 YTD energy use is 10% above budgeted energy sales GWh. Staff plans to adjust the COVID forecast energy sales in an adjusted budget in Q1 of 2021 since COVID has not resulted in the sustained decrease in energy sales that were

originally predicted. The graph below shows the actual energy use YTD, the pre-COVID forecast from January through April 2020 that did not include COVID adjustments, and the forecast from May 2020 onward with COVID adjustments. The red percentages are the comparison of actual energy sales to forecast energy sales. The scale is exaggerated (starts at 150 GWh instead of zero) to better show the differences from forecast.



## SCP HEADQUARTERS PROJECT UPDATE

Construction on the Headquarters building is proceeding on pace for completion in summer of 2021. All the windows have been installed and the siding will be replaced this week. Interior work is proceeding with initial painting planned for this week.

## PROGRAMS UPDATES:

### *Self-Generation Incentive Program (SGIP)*

Staff sent letters to customers affected by the October 2020 California Public Utilities Commission (CPUC) Decision to change the eligibility requirement for Equity Resiliency customers with electric-pump wells. Sixteen projects totaling \$385,136.00

were affected by the changed eligibility requirements. In addition, several projects have been cancelled by customers.

As these projects are rejected by PG&E if they cannot meet the updated eligibility requirements, PG&E will release funding for additional projects to be funded. We anticipate the SGIP Assistance Program will be reopening soon to accept applications for General Market Large-Scale Storage.

More information can be found at:

[www.sonomacleanpower.org/programs/sgipassistance](http://www.sonomacleanpower.org/programs/sgipassistance).

### *School Storage and Solar Study*

SCP has partnered with TerraVerde Energy to offer financial and technical feasibility assessments for battery storage systems, at no cost, to public K-12 schools in Sonoma and Mendocino Counties with existing solar. Kick-off meetings are being held with the 16 school districts that have applied for a no-cost technical and financial feasibility assessment. Each participating School District will receive a report from TerraVerde outlining the financial benefits, infrastructure implications, and considerations of coupling their solar system with added energy storage. The report will also identify potential funding sources available to schools for installing a battery storage system.

### *Electric Bike Program*

This equity-focused program, planned to launch in March 2021, will provide incentives for up to 200 electric bicycles to low-income customers. Staff will work with local retailers to provide point-of-sale incentives on a range of electric bike brands and models. In addition, SCP is partnering with local community-based organizations to conduct outreach, offer electric bike safety classes, and coordinate free helmet giveaways.

### *GridSavvy Community*

The GridSavvy Community—Sonoma Clean Power’s demand response umbrella of programs—continues to grow with 3,421 smart devices deployed to customers and 970 customers actively participating in demand response events. Sonoma Clean Power continues to dispatch the EV chargers, smart thermostats, and heat pump water heaters to reduce our peak customer load. In January, Sonoma Clean Power was a part of a team that was awarded a \$16 million California Energy Commission grant (GFO 19-309) for developing a flexible load hub. While negotiations with the Energy Commission and team are expected to continue for several months, SCP hopes to deploy a portion of these funds to expand future GridSavvy offerings.

### *Sonoma Coast Incentive Project - CALeVIP*

The Sonoma Coast Incentive Project, which provides incentives for the installation of electric vehicle charging infrastructure, has been accepting applications since July 8, 2020.

As of January 2021, a total of 424 applications were received, with 29 applications moving into a "Funds Reserved" stage (construction can begin), 186 cancelled, and 206 applications in the queue. These applications are being processed by the Center for Sustainable Energy (CSE), the statewide project implementer.

The total value of all applications submitted is at over \$28.1 million, exceeding the \$6.75 million project budget. To date, \$5.65 million has been reserved. The table below shows applications that have moved to a "Funds Reserved" stage. Combo applications are where a Direct Current Fast Charger (DCFC) and a Level 2 chargers (L2) are installed on the same site.

<b>Territory</b>	<b>COMBO</b>	<b>DCFC</b>	<b>L2</b>	<b>Grand Total</b>
Mendocino County	1		6	7
Elk			1	1
Fort Bragg	1			1
Laytonville			1	1
Point Arena			1	1
Ukiah			3	3
Sonoma County	8	6	8	22
Geyserville		1		1
Healdsburg		1		1
Kenwood	1			1
Monte Rio	1			1
Petaluma		2	6	8
Rohnert Park	3			3
Santa Rosa		1	1	2
Sebastopol	1		1	2
Sonoma	1	1		2
Windsor	1			1
<b>Grand Total</b>	<b>9</b>	<b>6</b>	<b>14</b>	<b>29</b>

Level 2 projects have nine (9) months to complete the project, while Combo and DCFC projects have fifteen (15) months to complete the project.

The Sonoma Coast Incentive Project budget is \$6.75M, broken down into the following categories:

County	DCFC Funding		L2 Funding		
	CEC	SCP	CEC	SCP	NSCAPC D
<b>Mendocino</b>	\$ -	\$300,000	\$300,000	\$150,000	\$ -
<b>Sonoma</b>	\$3,300,000	\$ -	\$1,500,000	\$1,050,000	\$150,000
	<b>\$3,300,000</b>	<b>\$300,000</b>	<b>\$1,800,000</b>	<b>\$1,200,000</b>	<b>\$150,000</b>
	<b>\$3,600,000</b>		<b>\$3,150,000</b>		

County	Allocation	Amount Allocated
<b>Sonoma</b>	25% to unincorporated areas	\$1,500,000
<b>Mendocino</b>	25% to Disadvantaged and Low-Income Communities	\$187,500
<b>Total</b>		<b>\$1,687,500</b>

### *Advanced Energy Center Update*

#### *Construction*

Although all interior finishes & construction cleanup is expected to be completed by January 22<sup>nd</sup>, the project to replace the buildings electrical panel and switchgear continues to delay the completion of the Advanced Energy Center. PG&E has rescheduled the power shut off for the area to February 4<sup>th</sup>. The commissioning of mechanical systems is scheduled immediately after the panel replacement project and a certificate of occupancy can be issued by the City after that point. Installation of both SCP and vendor display plus are needed before we can softly open publicly.

#### *Store Operations*

AEC staff training is continuing online throughout January with interns attending 14+ hours of trainings and meetings. AEC staff are beginning to be utilized as a resource for outside projects for program management staff. Operational inventories such as office equipment and supplies have been identified and sourcing is being determined. Safety is a key area of focus for the AEC and a search is under way for a local safety and first aid vendor to help with appropriate set up and maintenance of safety equipment.

## *Education/Training*

The Educational Program has a priority to recruit contractors in order to provide a viable referral list in the Advanced Energy Center website. SCP held contractor certification courses in January for grid integrated heat pump water heaters, On-Bill Finance Loan Program, and Advanced Energy Center Voucher Programs for professionals. Additionally, we had over 30 people attend a webinar on EV 101.

Upcoming events we will be hosting virtually:

### The History of Electrification: 150 Years of Discovery, Challenge and Progress

- Thursday, January 28, 2021, 4-5pm ([link](#))

### Smart and Efficient, Electric Water Heating for Homes: Everything You Need to Know

- Tuesday, February 2, 2021, 3-4pm ([link](#))

### On-Bill Financing: 0% Financing. 100% Easy.

- Thursday, February 4, 2021, 12-1pm ([link](#))

### Battery Storage Basics: Building Resiliency

- Thursday, February 9, 2021, 12-1pm ([link](#))

The team will soon schedule contractor certification courses for February. A calendar of all events can be found on the Sonoma Clean Power website [HERE](#).

## **MONTHLY COMPILED FINANCIAL STATEMENTS**

The year-to-date growth in net position is better than projections due primarily to greater than expected revenues. Revenue from electricity sales is greater than projections by approximately 16%, and cost of energy is over expectations by approximately 20%. Management anticipates the percentage overage in cost of energy to decrease as the fiscal year continues. Year-to-date electricity sales reached \$94,161,000.

SCP maintains a balanced portfolio by procuring electricity from multiple sources. Net position reached a positive \$107,664,000, which indicates healthy growth. In addition to Net Position, SCP maintains an Operating Reserve Fund of \$22,000,000 at the end of the period.

Overall, other operating expenses continued near or slightly below planned levels for the year.



## **BUDGETARY COMPARISON SCHEDULE**

The accompanying budgetary comparison includes the 2020/21 budget approved by the Board of Directors in June 2020.

The budget is formatted to make comparisons for both the annual and the year-to-date perspective. The first column, 2020/21 YTD Budget, allocates the Board approved annual budget at expected levels throughout the year with consideration for the timing of additional customers, usage volumes, staffing needs etc. This column represents our best estimates and this granular approach was not part of the Board approved budget.

Revenue from electricity sales to customers is greater than the year-to-date budget by approximately 16%.

The cost of electricity is greater than to the budget-to-date mostly due to market price volatility. SCP anticipates this cost category to normalize throughout the year. Variation in this account is typically due to fluctuating market cost of energy on open position purchases.

Major operating categories of Data Management fees and PG&E Service fees are based on the customer account totals and are closely aligned to budget.

In addition to the items mentioned above, SCP continues its trend of remaining near or under budget for most of its operating expenses.

## **UPCOMING MEETINGS:**

**BOD - February 4, 2021**

**CAC - February 18, 2021**

## **ATTACHMENTS**

November Financial Reports



## ACCOUNTANTS' COMPILATION REPORT

Board of Directors  
Sonoma Clean Power Authority

Management is responsible for the accompanying special purpose statement of Sonoma Clean Power Authority (a California Joint Powers Authority) which comprise the budgetary comparison schedule for the period ended November 30, 2020, and for determining that the budgetary basis of accounting is an acceptable financial reporting framework. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the accompanying statement nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any assurance on this special purpose budgetary comparison statement.

The special purpose statement is prepared in accordance with the budgetary basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. This report is intended for the information of the Board of Directors of Sonoma Clean Power Authority.

Management has elected to omit substantially all of the note disclosures required by accounting principles generally accepted in the United States of America in these interim financial statements. Sonoma Clean Power Authority's annual audited financial statements include the note disclosures omitted from these interim statements. If the omitted disclosures were included in these financial statements, they might influence the user's conclusions about the Authority's financial position, results of operations, and cash flows. Accordingly, these financial statements are not designed for those who are not informed about such matters.

We are not independent with respect to the Authority because we performed certain accounting services that impaired our independence.

*Maher Accountancy*

San Rafael, CA  
December 28, 2020

**SONOMA CLEAN POWER AUTHORITY  
OPERATING FUND  
BUDGETARY COMPARISON SCHEDULE  
July 1, 2020 through November 30, 2020**

	2020-21 YTD Budget	2020/21 YTD Actual	2020/21 YTD Budget Variance (Under) Over	2020/21 YTD Actual / Budget %	2020/21 Budget	2020/21 Budget Remaining
<b>REVENUE AND OTHER SOURCES:</b>						
Electricity (net of allowance) *	\$ 80,397,020	\$ 93,616,081	\$ 13,219,061	116%	\$ 161,517,700	\$ 67,901,619
Evergreen Premium (net of allowance)	221,124	545,062	323,938	246%	582,000	36,938
Inflow from Operating Account Fund Reserves	-	-	-	0%	15,433,300	15,433,300
CEC Grant	1,595,833	1,131,008	(464,825)	71%	3,830,000	2,698,992
BAAQMD grant	50,000	34,000	(16,000)	0%	50,000	16,000
Interest income	320,000	389,416	69,416	122%	750,000	360,584
Miscellaneous Income	-	7,009	7,009	0%	80,000	72,991
Total revenue and other sources	82,583,977	95,722,576	13,138,599	116%	182,243,000	86,520,424
<b>EXPENDITURES AND OTHER USES:</b>						
<b>CURRENT EXPENDITURES</b>						
Cost of energy and scheduling	63,454,335	76,459,769	13,005,434	120%	149,468,000	73,008,231
Data management	1,325,788	1,327,154	1,366	100%	3,182,000	1,854,846
Service fees- PG&E	403,319	402,388	(931)	100%	968,000	565,612
Personnel	2,210,000	1,933,336	(276,664)	87%	5,680,000	3,746,664
Outreach and communications	470,835	179,168	(291,667)	38%	1,130,000	950,832
Customer service	290,188	74,500	(215,688)	26%	383,000	308,500
General and administration	241,665	193,668	(47,997)	80%	580,000	386,332
Legal	150,000	141,360	(8,640)	94%	360,000	218,640
Regulatory and compliance	165,417	67,322	(98,095)	41%	397,000	329,678
Accounting	90,415	105,750	15,335	117%	217,000	111,250
Legislative	11,667	-	(11,667)	0%	28,000	28,000
Other consultants	66,665	74,356	7,691	112%	160,000	85,644
CalCCA Trade Association	158,335	145,400	(12,935)	92%	380,000	234,600
Program implementation	2,145,833	825,127	(1,320,706)	38%	5,150,000	4,324,873
Program - CEC grant	3,700,000	2,445,322	(1,254,678)	66%	5,660,000	3,214,678
Total current expenditures	74,884,462	84,374,620	9,490,158	113%	173,743,000	89,368,380
<b>OTHER USES</b>						
Capital outlay	3,541,667	4,253,308	711,641	120%	8,500,000	4,246,692
Total Expenditures, Other Uses and Debt Service	78,426,129	88,627,928	10,201,799	113%	182,243,000	93,615,072
Net increase (decrease) in available fund balance	\$ 4,157,848	\$ 7,094,648	\$ 2,936,800	171%	\$ -	\$ (7,094,648)
* Represents sales of approximately 998,000 MWh for 2020/21 YTD actual.						
<b>RESERVES</b>						
Operating Cash Reserve	\$ 59,203,000		\$ 91,121,500			
Program Cash Reserve	10,840,000		18,224,300			
Collateral Cash Reserve	2,221,000		14,946,800			
	\$ 72,264,000		\$ 124,292,600			

**SONOMA CLEAN POWER AUTHORITY**  
**OPERATING FUND**  
**BUDGET RECONCILIATION TO STATEMENT OF**  
**REVENUES, EXPENSES AND CHANGES IN NET POSITION**  
**July 1, 2020 through November 30, 2020**

Net increase (decrease) in available fund balance per budgetary comparison schedule:	\$ 7,094,648
---	--------------

Adjustments needed to reconcile to the  
changes in net position in the  
Statement of Revenues, Expenses  
and Changes in Net Position:

Subtract depreciation expense	(31,852)
Add back capital asset acquisitions	<u>5,617,191</u>
Change in net position	<u><u>\$ 12,679,987</u></u>



## ACCOUNTANTS' COMPILATION REPORT

Management  
Sonoma Clean Power Authority

Management is responsible for the accompanying financial statements of Sonoma Clean Power Authority (a California Joint Powers Authority) which comprise the statement of net position as of November 30, 2020, and the related statement of revenues, expenses, and changes in net position, and the statement of cash flows for the period then ended in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the accompanying statements nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, conclusion, nor provide any assurance on these financial statements.

Management has elected to omit substantially all of the note disclosures required by accounting principles generally accepted in the United States of America in these interim financial statements. Sonoma Clean Power Authority's annual audited financial statements include the note disclosures omitted from these interim statements. If the omitted disclosures were included in these financial statements, they might influence the user's conclusions about the Authority's financial position, results of operations, and cash flows. Accordingly, these financial statements are not designed for those who are not informed about such matters.

We are not independent with respect to the Authority because we performed certain accounting services that impaired our independence.

*Maher Accountancy*

San Rafael, CA  
December 28, 2020

# SONOMA CLEAN POWER AUTHORITY

## STATEMENT OF NET POSITION

As of November 30, 2020

### ASSETS

Current assets	
Cash and cash equivalents	\$ 72,461,560
Accounts receivable, net of allowance	21,691,598
Other receivables	1,885,354
Accrued revenue	10,106,713
Prepaid expenses	1,054,197
Deposits	487,079
Total current assets	<u>107,686,501</u>
Noncurrent assets	
Unrestricted cash in Rate Stabilization Fund	22,000,000
Land and construction-in-progress	13,591,343
Capital assets, net of depreciation	203,203
Deposits	5,430,922
Total noncurrent assets	<u>41,225,468</u>
Total assets	<u>148,911,969</u>

### LIABILITIES

Current liabilities	
Accrued cost of electricity	14,683,104
Accounts payable	2,458,552
Advanced from grantors	154,875
Other accrued liabilities	1,401,179
User taxes and energy surcharges due to other governments	549,878
Total current liabilities	<u>19,247,588</u>

### DEFERRED INFLOWS OF RESOURCES

Rate Stabilization Fund	22,000,000
-------------------------	------------

### NET POSITION

Investment in capital assets	13,794,546
Unrestricted	93,869,835
Total net position	<u>\$ 107,664,381</u>

**SONOMA CLEAN POWER AUTHORITY**  
**STATEMENT OF REVENUES, EXPENSES**  
**AND CHANGES IN NET POSITION**  
**July 1, 2020 through November 30, 2020**

**OPERATING REVENUES**

Electricity sales, net	\$ 93,616,081
Evergreen electricity premium	545,062
Grant revenue	1,165,008
Total operating revenues	<u>95,326,151</u>

**OPERATING EXPENSES**

Cost of electricity	76,459,769
Contract services	4,011,288
Staff compensation	1,933,336
General and administration	477,913
Program rebates and incentives	128,431
Depreciation	31,852
Total operating expenses	<u>83,042,589</u>
Operating income	<u>12,283,562</u>

**NONOPERATING REVENUES (EXPENSES)**

Interest income	389,416
Other nonoperating revenue	7,009
Nonoperating revenues (expenses), net	<u>396,425</u>

**CHANGE IN NET POSITION**

	12,679,987
Net position at beginning of period	<u>94,984,394</u>
Net position at end of period	<u><u>\$ 107,664,381</u></u>

# SONOMA CLEAN POWER AUTHORITY

## STATEMENT OF CASH FLOWS July 1, 2020 through November 30, 2020

### CASH FLOWS FROM OPERATING ACTIVITIES

Receipts from customers	\$ 95,420,794
Receipts from grantors	2,720,953
Other operating receipts	428,320
Payments to electricity suppliers	(76,914,742)
Payments for other goods and services	(4,467,273)
Payments for staff compensation	(1,948,811)
Tax and surcharge payments to other governments	(1,227,814)
Payments for program rebates and incentives	(994,020)
Net cash provided (used) by operating activities	<u>13,017,407</u>

### CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES

Payments to acquire capital assets	<u>(4,493,204)</u>
------------------------------------	--------------------

### CASH FLOWS FROM INVESTING ACTIVITIES

Interest income received	555,198
Proceeds from certificates of deposit matured	<u>20,291,718</u>
Net cash provided (used) by investing activities	<u>20,846,916</u>

Net change in cash and cash equivalents	29,371,119
Cash and cash equivalents at beginning of year	<u>65,090,441</u>
Cash and cash equivalents at end of year	<u>\$ 94,461,560</u>

### Reconciliation to the Statement of Net Position

Cash and cash equivalents (current)	\$ 72,461,560
Cash and cash equivalents (noncurrent)	<u>22,000,000</u>
Cash and cash equivalents	<u>\$ 94,461,560</u>



**SONOMA CLEAN POWER AUTHORITY**  
**STATEMENT OF CASH FLOWS (continued)**  
**July 1, 2020 through November 30, 2020**

**RECONCILIATION OF OPERATING INCOME TO NET  
CASH PROVIDED BY OPERATING ACTIVITIES**

Operating income	\$ 12,283,562
Adjustments to reconcile operating income to net cash provided (used) by operating activities	
Depreciation expense	31,852
Revenue adjusted for allowance for uncollectible accounts	1,191,911
(Increase) decrease in:	
Accounts receivable	(1,229,558)
Other receivables	767,288
Accrued revenue	88,745
Prepaid expenses	24,050
Deposits	298,320
Increase (decrease) in:	
Accrued cost of electricity	(2,140,481)
Accounts payable	(187,402)
Advance from grantors	(34,000)
Accrued liabilities	1,942,383
User taxes due to other governments	(19,263)
Net cash provided (used) by operating activities	<u><u>\$ 13,017,407</u></u>

Page intentionally left blank for double-sided printing



## Staff Report - Item 03

---

**To:** Sonoma Clean Power Authority Community Advisory Committee

**From:** Neal Reardon, Director of Regulatory Affairs  
Geof Syphers, Chief Executive Officer

**Issue:** Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate

**Date:** January 21, 2021

---

### Requested Action:

Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate.

### Regulatory Update

#### PG&E Mailer on Bill Increases

PG&E issued a mailer to customers stating their intent to raise CCA customer rates and decrease bundled customer rates beginning in January. The figures in this mailer were based on PG&E's pending Application with the CPUC. Since then, SCP and other CCAs developed a joint-settlement agreement with PG&E, SCE, and SDG&E which would smooth these rate increases over a 3-year period instead of the 1-year initially proposed by PG&E.

On December 17<sup>th</sup>, the CPUC adopted this proposal to smooth rate increases over the 3-year period recommended by SCP and PG&E. This does not modify the total costs PG&E is allowed to charge our customers, but will make bills less volatile by spreading the costs over a longer period.

#### Power Charge Indifference Adjustment ("PCIA")

Commissioner Guzman Aceves issued an Amended Scoping Memo and Ruling that adding issues to the scope of Phase 2 of the PCIA proceeding. Of note, the Ruling

asks parties to comment on whether the PCIA cap should be removed or modified, and whether parties should be given more time to evaluate PCIA data in annual rate cases. Comments on this Ruling will be submitted January 22<sup>nd</sup>. The assigned ALJ plans to issue a Proposed Decision addressing these topics in Q2, 2021.

### Microgrids

On January 14<sup>th</sup>, the CPUC will vote on a Proposed Decision in the microgrids proceeding addressing a variety of topics including pilot programs for launching microgrids on critical facilities, how behind-the-meter microgrids on customer sites would interface with existing net energy metering tariffs, and the role that municipal corporations and/or local governments can play in deploying microgrids.

The Commission's initial proposal would place various limits on the number, scope, and category of host-sites for microgrids to be developed in the coming 24 months. SCP and other local governments have advocated for a broad deployment of microgrid and other resiliency-related solutions to be adopted immediately.

### **Legislative Update**

The election of Democratic Senators Jon Ossoff and Raphael Warnock in Georgia gives Democrats control of the Senate, and makes it likely that President Biden will be able to secure approval for his appointments. Biden's appointments to U.S. agencies that will influence SCP's work in clean energy and the climate crisis include:

- EPA - Michael Regan, coming most recently from the North Carolina Department of Environmental Quality; a veteran of the EPA as well.
- Department of Energy - Jennifer Granholm, former Governor of Michigan, an active teaching scientist at the Lawrence Berkeley National Laboratory, and a UC Berkeley grad.

Governor Newsom appointed Alex Padilla to fill Kamala Harris' vacant Senate seat for the two years remaining in her term.

The composition of the Senate Energy Utilities and Communications Committee changed a little with the addition of Senator Dave Min, who represents three areas that are forming CCAs in Huntington Beach, Irvine and Lake Forest. Senator Ben Hueso remains Chair, and Senators Dodd and McGuire remain our local representative on the committee.

CAISO Board of Governors - Angelina Galiteva is Chair, and Ashutosh Bhagwat is Vice Chair. There is still one more open seat to fill.

California Air Resource Board - Liane Randolph, former CPUC Commissioner, was appointed to the Board and selected as Chair. Sandra Berg is now Vice Chair.

California Public Utilities Commission - Marybel Batjer was reappointed Chair, indicating that she may remain at the Commission longer than she had originally stated. There is still one open seat for the Governor to fill.

The legislature is still under COVID-19 protocols, with most hearings only occurring online. January 22 is the Legislative Counsel deadline for providing language for new bills. The draft budget was released January 8 and there may be some early hearings in January and February to address urgent issues relating to COVID-19. However, in general most hearings will begin in March for matters relating to energy. SCP and CalCCA are reviewing the following bills:

<b>Measure</b>	<b>Summary</b>	<b>Status</b>
AB 11 Ward	Creates regional climate change coordinating groups to coordinate and implement activities to reduce GHG emissions. Activities include energy efficiency.	Reviewing
AB 33 Ting	Bans natural gas connections in new school buildings.	Reviewing
AB 64 Quirk	Requires CPUC, CEC, and ARB to develop a strategy on how to achieve SB 100 goals (renewable and carbon-free resources supply 100% of retail sales and 100% of energy procured for state agencies by 2045) in a cost-effective manner. The strategy must include plans to promote the development of the technologies that will help achieve this goal.	Reviewing
AB 96 O'Donnell	Extends the sunset for the California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program from 2021 to 2026. It also requires that 20% of any funding made available to the program be used for the early commercial deployment of near-zero emission heavy-duty truck technology.	Reviewing
SB 18 Skinner	Defines "green hydrogen" and requires the ARB, CEC and CPUC to study the use of renewably-produced hydrogen gas.	Reviewing
SB 30 Cortese	Prohibits design and construction of state facilities connected to natural gas after Jan 1, 2022. Also requires a plan to make all state facilities carbon neutral by 2035.	Reviewing

Measure	Summary	Status
SB 31 Cortese	Directs the CEC to identify and implement building decarbonization programs. Authorizes the CEC to use federal COVID-19 relief funds for building decarbonization programs and requires that EPIC funds be made available for building decarbonization programs.	Reviewing
SB 44 Allen	Provides environmental leadership transit projects (AB 900, statutes of 2011) expedited review.	Reviewing
SB 45 Portantino	Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Floor Protection Bond Act of 2022	Reviewing
SB 52 Dodd	Adds deenergization events to the definition of "sudden and severe energy shortage" for purposes of classifying deenergization events as natural disasters.	Reviewing
SB 67 Becker	Spot bill language to accelerate the state's progress toward having 100% of electricity provided by renewable or other zero-carbon sources on a 24-hour, 7-day basis.	Watch
SB 68 Becker	Spot bill language to help the state achieve its climate and air pollution reduction goals in the building sector through actions such as reducing barriers to upgrading electrical service panels or accommodating additional electrical appliances within existing service panels.	Watch
SB 99 Dodd	Community Energy Resiliency Act of 2021. Requires the commission to develop and implement a grant program for local governments to develop community energy resilience plans.	Reviewing

## Attachments

California ISO Root Cause Analysis Mid-August 2020 Extreme Heat Wave

[The attachment for this item can be accessed through this link or by request from the Clerk of the Board.](#)



## **Staff Report - Item 04**

---

**To: Sonoma Clean Power Authority Community Advisory Committee**

**From: Kate Kelly, Director of Public Affairs and Marketing  
April Varellas, Brand Manager**

**Issue: Receive Annual Report**

**Date: January 21, 2021**

---

**No written materials for this report. A presentation will be given at the meeting.**

➤ **Attachments**

2020 Annual Report



# 2020

## ANNUAL

## REPORT

Innovative. Practical. Inclusive.

 **Sonoma  
Clean Power**



# Message from the CEO

2020 has been a challenging year for us all. Our customers and our member cities and counties faced multiple crises at once, the economic and health crises of the pandemic, a public safety crisis of more wildfires, and a crisis of power reliability with public safety power shutoffs and rotating outages last summer. Through all of this, we've been very fortunate at Sonoma Clean Power (SCP) to have such an incredible staff who have adapted and found new ways to help our communities.

We've started to identify ways our local electric grid should be repaired to help reduce the number of people affected by public safety power shutoffs. We've also helped businesses, schools, and cities explore microgrids and battery backup power systems, and we started constructing our own small microgrid at SCP's new headquarters in downtown Santa Rosa.

Despite the challenges of 2020, we had new customers enroll in EverGreen and produced a record amount of energy from local solar and geothermal power. To handle the demand for more local clean power resources, SCP created a new department of Planning and Analytics focused on our resource planning. They've recently kicked off an exciting public planning effort to map out new local clean power resources for Sonoma and Mendocino Counties.

On the state-level, California's transition to time-of-use (TOU) rates is quickly approaching. Not only does TOU have the potential to offer significant savings for most residential customers, but it also serves as an important mechanism for reducing the need for natural gas power sources in California's grid. TOU rates will be highest from 4 pm to 9 pm every day, making residential energy efficiency even more important. This winter is a great time to get rid of the last halogen and incandescent lights in your home and replace them with LEDs.

SCP is grateful to serve our customers during these difficult times. Though much has changed, one thing has not: together, we are helping to solve the climate crisis at the local level.

**Geof Syphers, CEO**



# Message from the Board Chair

Despite all the challenges this year has brought us, we at Sonoma Clean Power remain hopeful. We are empowered by actions we see our member cities and counties continuing to take against climate change, and we are inspired by the individuals and organizations who have united locally to help our communities recover from hardship.

More than ever, we understand the responsibility of our agency to not only lead the transition to a cleaner energy future, but to ensure that it is a just transition. One that not only cuts greenhouse gas emissions and helps us stay safe in a very different climate, but also one that helps build a more equitable world. If 2020 has taught us anything, it is that we have an urgent need to meaningfully contribute to racial equity. That work will start by developing a new approach to our customer programs, and continue from there to all aspects of our agency and our work. It also means fighting for electric ratepayers, which we're doing every day by scrutinizing the rates and fees that go into electric bills.

With more frequent public safety power shutoffs from PG&E, SCP developed not one, but three programs to help customers get battery backup power systems. The Energy Resiliency Audit Program (ERAP), Self-Generation Incentive Program (SGIP) Assistance, and the School Solar Storage Study were all designed to support customers as they work to improve the resilience of our homes, businesses, and community spaces.

During this summer's unprecedented heat waves, the California Independent System Operator (CAISO) called the first rotating power outages since the Energy Crisis of the early 2000s. SCP customers helped California avoid several more potential blackouts by conserving energy and reducing their usage during Flex Alert periods, and our GridSavvy customers, in particular, made a big difference.

Our EverGreen customers buy 100% locally-made renewable solar and geothermal energy every hour of the day and night. Thanks to them, we are in the process of building two more solar projects near Petaluma, bringing the total amount of new local solar to 6 megawatts (MW) - enough to power 4,000 homes when paired with local geothermal energy.

That means we just started a series of a dozen public meetings to get input on our next Local Resource Plan and the clean power sources we will build in the future.

While much work remains, there are many things SCP customers can be proud of. We are still making progress toward a healthier, more sustainable future for Sonoma and Mendocino counties. Together, with our customers and communities, we are, and will continue, tackling the climate crisis at the local level.

## Patrick Slayter, Chair

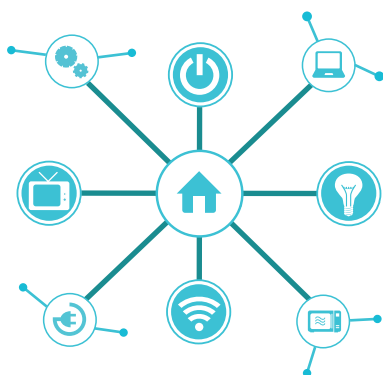


# Customer Programs

Through our customer programs, SCP is reducing emissions and making the all-electric lifestyle available for all residents of Sonoma and Mendocino counties. Below are some highlights from our programs this year.

## Advanced Energy Rebuild

SCP put our dollars where it really mattered—helping to rebuild our community after the devastating 2017 wildfires. In total, the Advanced Energy Rebuild program provided funding to help rebuild 451 homes. These efficient homes included over 400 EV charging stations, 538 kilowatts (kW) of solar power, and 685 kilowatt-hours (kWh) of backup battery storage. This program is now being replicated across the state, and SCP has created the new Advanced Energy Build program to offer funding to all new, energy efficient developments in our community.

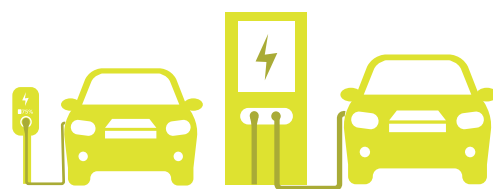


## GridSavvy

Together, little actions can have a big impact. Through the GridSavvy Community, SCP customers can create a “virtual power plant” of smart thermostats, electric vehicle chargers, and heat pump water heaters. When the grid operators called for Californians to reduce their energy usage, GridSavvy Community members responded. SCP’s GridSavvy Community helped keep the lights on in California by cutting electric usage just when the state needed it most.

## Sonoma Coast Incentive Project

SCP teamed up with California Electric Vehicle Infrastructure Project (CALeVIP) to bring the Sonoma Coast Incentive Project, which provides incentives for the installation of publicly available electric vehicle charging infrastructure. The Sonoma Coast Incentive Project launched on July 8, 2020, and funds were provisionally reserved within an hour after accepting applications! As of November 2020, 424 applications have been received equaling over \$28.1M in rebate requests. Twenty-nine (29) applications, representing 183 ports, have had funds reserved.



## Water & Energy Education Program

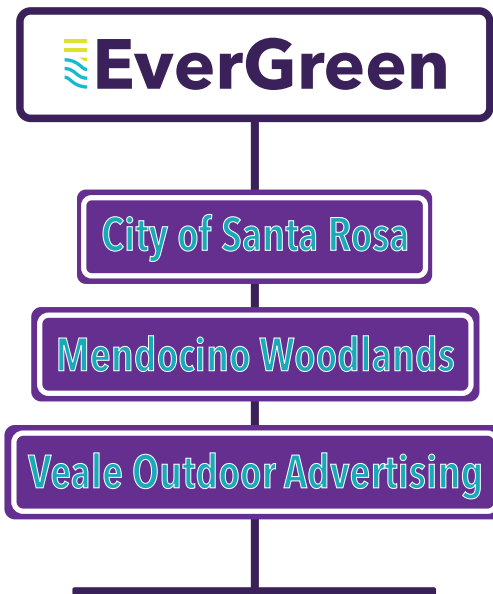
SCP began hosting education and training events in 2020. Leading with SCP’s Mission of turning the tide on the climate crisis through bold ideas and practical programs, the multi-faceted education plan encompasses over 25 customer and building professional educational offerings regarding energy-efficient and carbon-saving strategies and technologies and related incentives. In 2020, we held 21 education events, with 325 attendees.



# EverGreen Leadership

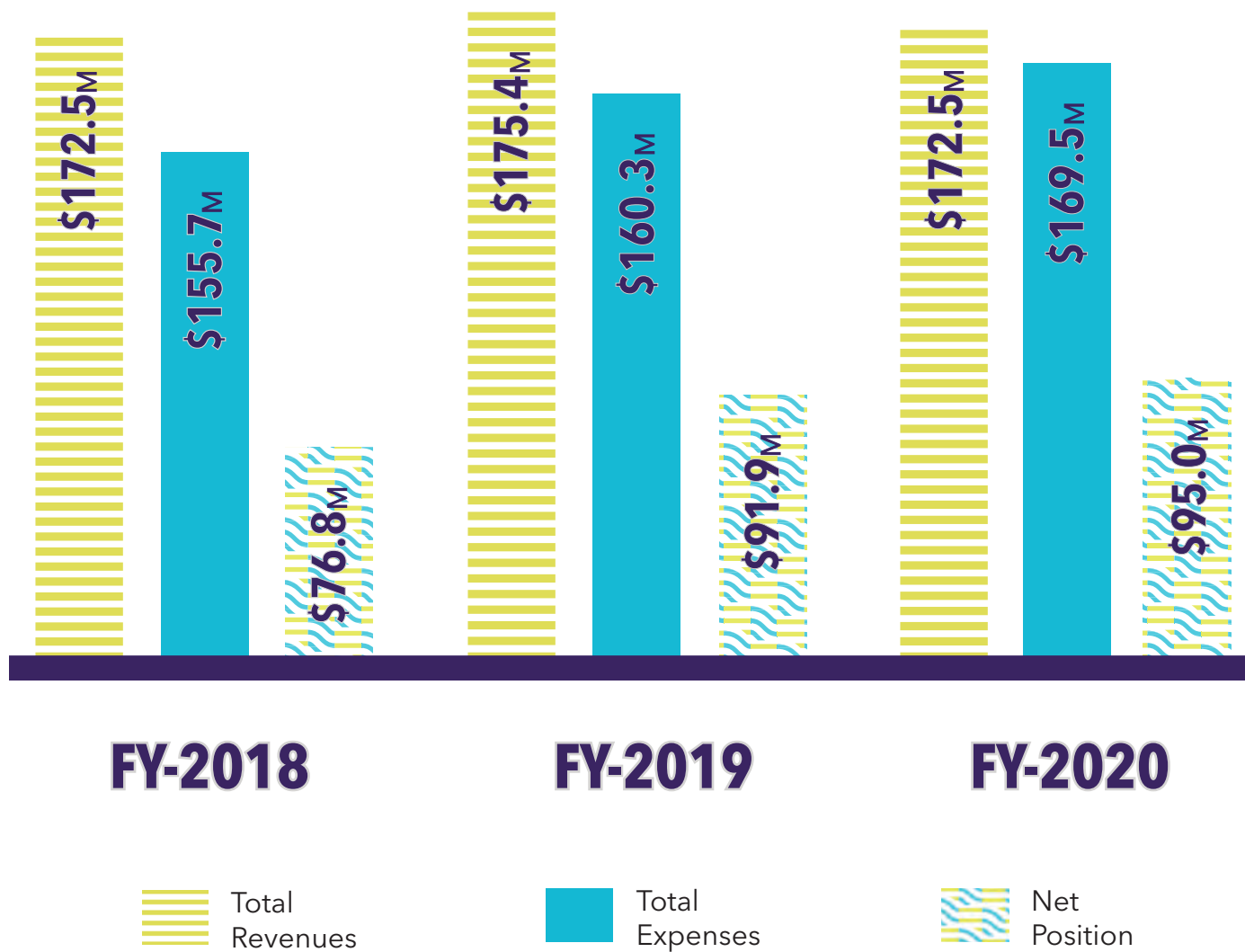
EverGreen provides SCP customers with the option to power their homes and businesses with 100% renewable, locally produced energy, day and night. The number of customers who are upgrading to EverGreen is growing, and so is the number of renewable energy projects being built in our service territory!

We'd like to recognize three of our new EverGreen customers: the City of Santa Rosa, Mendocino Woodlands, and Veale Outdoor Advertising for their part in combating climate change and choosing to significantly cut their greenhouse gas emissions. Thank you to all our EverGreen customers for leading the way toward a cleaner, healthier energy future for everyone.



# Financials

Sonoma Clean Power added to our net position in fiscal year 2019-20 by approximately \$3M. Additionally, SCP set aside \$22M to a rate stabilization fund to help protect our customers from big changes in PG&E's fees over the coming years. The reported revenue in 2019-20 of \$172.5M has been reduced by this \$22M.



# Leadership

## Board of Directors



**Patrick Slayter**  
Chair  
City of Sebastopol  
Mayor  
Alternate: Una Glass



**Melanie Bagby**  
Vice Chair  
City of Cloverdale  
Councilmember  
Alternate: Marta Cruz

**Gina Belforte**  
City of Rohnert Park  
Councilmember  
Alternate: Jake Mackenzie



**Dan Gjerde**  
Mendocino County  
Supervisor, 4th District  
Alternate: Supervisor  
Ted Williams



**Amy Harrington**  
City of Sonoma  
Councilmember  
Alternate: Dave Cook



**Lynda Hopkins**  
Sonoma County  
Supervisor, 5th District  
Alternate: Supervisor  
James Gore



**Dave King**  
City of Petaluma  
Councilmember  
Alternate: Mike Healy

**Mark Landman**  
City of Cotati  
Councilmember  
Alternate: John Dell'Osso



**Bruce Okrepkie**  
Town of Windsor  
Councilmember  
Alternate: Deb Fudge



**Jack Tibbetts**  
City of Santa Rosa  
Councilmember  
Alternate: Chris Rogers



**Jonathan Torrez**  
City of Point Arena  
Councilmember  
Alternate: Madge Strong

## Community Advisory Committee

**Dick Dowd, Chair**  
**Karen Baldwin, Vice Chair**

Shivawn Brady  
Joel Chaban  
Anita Fenichel  
Bill Mattinson  
Patricia Morris

Mike Nicholls  
Denis Quinlan  
Helen Sizemore  
Ken Wells





# More Power to You

Despite the pandemic, SCP made good progress adding new clean power resources in 2020. Locally, we celebrated the completion of a 1 MW solar array in Willits that is serving our EverGreen customers. That project uses photovoltaic panels that rotate to track the sun throughout the day. SCP also dove head first into large-scale energy storage projects.

The first two big energy storage projects SCP contracted were for a total 75 MW of output at SCP's Mustang solar array in Lemoore, California. The project will use lithium-ion batteries and store excess energy from the grid during the day and provide it back to the grid over a four-hour period when it's needed - often in the evening. It's expected to be operating by the summer in 2021.

SCP is also going through a process to buy long-duration energy storage - energy that can be stored and delivered back to the grid for eight or more hours. It's exciting to see the impressive response to our recent request for offers, with 51 developers submitting. Because these projects tend to be quite large, SCP is also going through a process to form a joint procurement organization made up of other public agencies, so SCP could have the option to just buy portions of a large project. There is a broad range of technologies to consider, from batteries to compressed air, pumped water systems and gravity-based systems, thermal storage and more. This long-duration storage resource will further reduce SCP's reliance on natural gas power plants to keep the lights on, especially when it is dark (no solar) and still (no wind).



# Giving Back by Giving the Gift of Food

As the needs of our community and society have changed dramatically due to the COVID-19 pandemic, seasonal wildfires and the need for social justice and racial equity and justice, SCP has focused our community giving efforts by supporting food banks and food resources, including:

**FORT BRAGG FOOD BANK** **Community Foundation of Mendocino County** **REDWOOD EMPIRE FOOD BANK**

**north coast opportunities  
caring kitchen project**

**WILLITS COMMUNITY SERVICES & FOOD BANK**

We are deeply grateful to our volunteers, donors, and community for joining us in providing critical food resources to those in need in 2020.







Innovative. Practical. Inclusive.

**sonomacleanpower**

P.O. Box 1030, Santa Rosa, CA 95402

[www.sonomacleanpower.org](http://www.sonomacleanpower.org)



Page intentionally left blank for double-sided printing



## **Staff Report - Item 05**

---

**To: Sonoma Clean Power Authority Community Advisory Committee**  
**From: Cordel Stillman, Director of Programs**  
**Issue: Receive Program Strategic Action Plan and Provide Feedback as Appropriate**  
**Date: January 21, 2021**

---

### **Recommendation**

Receive the Program's Section's Strategic Action Plan (Plan) and provide feedback as appropriate

### **Background**

Every six months, the Programs Section updates its Plan to reflect progress made on existing programs. The update also tracks the addition of new programs and the retirement of existing programs.

### **Discussion**

This Plan highlights some changes since the last update. Among others, the following programs have been retired;

- 1) Promote Transit and School Bus Electrification
- 2) Investigate how best to pair battery storage with existing or planned solar systems at municipal facilities
- 3) Develop a Residential Battery Storage Program
- 4) Investigate how best to pair battery storage with existing or planned solar systems at municipal facilities.

The following programs have been added;

- 1) Implement Programs Equity Framework
- 2) Promote the creation of Resilience Centers at municipal and school facilities
- 3) Implement a portable battery lending program
- 4) Electrification Equity
- 5) Commercial battery program
- 6) On-Bill financing for transit/school buses
- 7) Encourage resilience in new development
- 8) Develop a MUD/Commercial Retrofit Program
- 9) Develop an Induction Cooktop lending program for commercial applications

**Fiscal Impact**

There are no fiscal impacts related to this particular item. Budgeting for individual programs is accomplished through our annual budget process, or through mid-year budget adjustments.

**Attachments**

Attachment A – Strategic Action Plan, January-2021.



## **Programs Division Strategic Action Plan**

Updated January 2021

## SCP Programs Division Strategic Action Plan

### Table of Contents

Acronyms	3
Executive Summary	5
Significant Progress	6
New Programs	9
Discontinued Programs	10
Program Strategies and Levels of Action	10
Program Strategy One	12
Promote the Use of Electric Vehicles in Transportation	12
Program Strategy Two	16
Promote Fuel Switching in New and Existing Building Stock	16
Program Strategy Three	20
Identify and Apply for External Funding to Support Programs	20
Program Strategy Four	21
Promote the Aggregation of Loads and Resources	21
Program Strategy Five	23
Support the Integration of Distributed Energy Resources in SCP's Territory	23
Program Strategy Six	25
Support the Transition to Carbon Free Building Codes and Practices	25
Program Strategy Seven	27
Test and Evaluate the Use of New Technologies	27
Program Strategy Eight	28
Promote Public Education Involving Energy Efficiency, Fuel Switching, and Electric Vehicles	28
Summary of Actions	31

## **Acronyms**

**AER** – Advanced Energy Rebuild Program  
**BAAQMD** – Bay Area Air Quality Management District  
**BayREN** – Bay Area Regional Energy Network  
**CAISO** – California Independent System Operator  
**CALeVIP** – California Electric Vehicle Infrastructure Project  
**CBO** – Community Based Organization  
**CEC** – California Energy Commission  
**CPUC** – California Public Utilities Commission  
**CSE** – Center for Sustainable Energy  
**CTEF** – Career Technical Education Foundation  
**DCFC** – Direct Current Fast Charger  
**DIY** – Do-It-Yourself  
**DNV-GL** – An energy efficiency consultant  
**DOE** – United States Department of Energy  
**DRRS** – Demand Response Reporting System  
**EM&V** – Evaluation, Measurement and Verification  
**eMW** – Electric Motor Werks  
**EPRI** – Electric Power Research Institute  
**ERAP** – Energy Resiliency Audit Program  
**EV** – Electric Vehicle  
**EVSE** – Electric Vehicle Supply Equipment (i.e., charging stations)  
**ESJ** – Environmental and Social Justice  
**FY** – Fiscal Year (July-June)  
**GHG** – Greenhouse Gasses  
**HPWH** – Heat Pump Water Heater  
**HVAC** – Heating, Ventilation and Air Conditioning  
**JPA** – Joint Powers Authority  
**LCFS** – Low Carbon Fuel Standard

**MCAQMD** – Mendocino County Air Quality Management District

**MCE** – MCE Clean Energy

**MW** – Megawatt

**NEM** – Net Energy Metering

**NRDC** – Natural Resources Defense Council

**NSCAPCD** – Northern Sonoma County Air Pollution Control District

**OBF** – On-Bill Financing

**PG&E** – Pacific Gas and Electric

**PSPS** – Public Safety Power Shutoff

**RPCA** – Regional Climate Protection Authority

**RFI** – Request for Information

**SCP** – Sonoma Clean Power

**SCTA** – Sonoma County Transportation Authority

**SGIP** – Self Generation Incentive Program

**SOMAH** – Solar on Multifamily Affordable Housing

**TBD** – To be determined

**TCC** – The Climate Center

**TNC** – Transportation Network Company (*e.g., Uber, Lyft*)

**V2B** – Vehicle to Building



## **Executive Summary**

Sonoma Clean Power (SCP) is enabled by a Joint Powers Agreement (JPA) which states the following as purposes for entering into the JPA:

- a) Reducing greenhouse gas emissions in Sonoma and Mendocino Counties and neighboring regions;
- b) Providing electric power and other forms of energy to customers at a competitive cost;
- c) Carrying out programs to reduce total energy consumption;
- d) Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources; and
- e) Promoting long-term electric rate stability, energy security, reliability, and resilience.

The purpose of this document is to supply a road map for the SCP Programs Section by clearly identifying strategies and the actions needed to accomplish those strategies.

This plan will facilitate the Programs Section in efficiently accomplishing its mission of achieving the goals of the JPA and providing local economic stimulus. In addition to an overall program road map, this document also attempts to prioritize actions based on available resources, regulatory constraints, and other areas of uncertainty.

Each of the strategies identified in this plan will refer to one or more of the purposes identified in the JPA. The evaluation of particular programs will include metrics specific to that program and will occur after the program has had a reasonable time to establish itself.

In order to address Equity as a guiding principle in the development of SCP programs a “Programs Equity Framework” (Equity Framework) is being developed and will be implemented in this Strategic Action Planning period (January 2021 to June 2021). In addition, where it is possible, an Equity component has been added to SCP programs currently being offered and will be described in each individual Program.

This document will be updated twice each year in January and June.

## **Significant Progress**

The following items describe the significant progress made by individual programs implemented by SCP:

- 1) The GridSavvy program has resulted in the shipment of 3,361 (as of 1/08/21) electric vehicle charging stations and 25 smart thermostats to SCP customers. SCP is now able to dispatch these resources to lower peak demand, and successfully did so during each of the Summer 2020 Stage 2 alerts. Heat pump water heaters and smart thermostats have been added to the program.
- 2) A Behavioral Demand Response program is being developed whereby SCP customers can be asked to conserve energy through an app and be rewarded for participation.
- 3) The Education Program for Schools in partnership with Sonoma Water was initiated in the Fall of 2017. A contract to continue the program through FY 20-21 was approved by SCP's Board.
- 4) A program to incentivize the purchase of EV's by local non-profits has resulted in 12 EVs being purchased. We are conducting outreach for four additional nonprofits for FY 20-21.
- 5) SCP was awarded a \$9.8M grant from the CEC to promote energy efficiency in the residential built environment. SCP is required to provide \$3.3M in matching funds for a program total of \$13.1M.
  - a. Research: We are halfway through the research phase of the grant and all equipment in the first phase of applied technology studies in 15 residential homes are being monitored for their energy savings. All phase 2 sites have been determined for market ready technologies and are nearing the completion of the pre monitoring stage for those sites.
  - b. Advanced Energy Center: We have leased a store in downtown Santa Rosa to house the Advanced Energy Center. Construction of improvements is almost complete and we anticipate a soft opening in the spring. When COVID restrictions are relaxed, we will plan a Grand Opening.
  - c. On-Bill Financing: With the opening of the AEC, SCP will launch a residential program that will allow our customers to borrow up to \$10,000 at 0% interest to perform energy savings and electrification retrofits to their homes. The principle borrowed will be repaid to SCP through monthly charges applied to the customer's power bill.

## Sonoma Clean Power Programs Group Strategic Action Plan

- d. AEC Website: A website has been created that can be used by SCP customers to match them up with certified contractors for the installation of electrification and efficiency equipment. Customers can apply for incentives and rebates on equipment as well as get access to SCP's On-Bill Financing Program.
  - e. Education Program: SCP has developed an education program that seeks to educate the public, contractors, design professionals, etc. regarding the benefits of electrification of buildings.
- 6) SCP service territory was selected for a \$6.75M CALeVIP Project, titled the Sonoma Coast Incentive Project, from the CEC to increase the number of car charging stations in SCP territory. SCP is providing \$1.5M over three years to increase the number of incentivized chargers. In addition, SCP partnered with NSCAPCD to provide an additional \$150,000 for projects installed in the District's jurisdiction. The program opened for applications for funding on July 8<sup>th</sup> and was fully subscribed within a half an hour. Using an average rebate amount, it is estimate that the Project may result in 50 new DCFC ports and 500 Level 2 ports being installed in SCP's territory. A special emphasis has been placed on directing chargers to rural, coastal, and low-income areas. To date, over 400 applications have been received.
- 7) SCP completed a transit bus electrification study for the four public transit operations in SCP territory to assist in their effort to electrify their bus fleets in order to meet their Innovative Clean Transportation mandates.
- 8) SCP funded a school bus electrification study for two school bus operators in SCP service territory to help them prepare for the transition to electric buses. The studies were completed in 2020 and the results delivered to the West County Transportation Authority and the Mendocino Union School District.
- 9) On July 1, 2020, SCP launched the Advanced Energy Build program, which provides incentives to developers of residential homes to either pre-wire homes for all-electric appliances or build all-electric homes. The program also includes an incentive for adding battery storage to these projects. The program has received applications for 47 housing units.
- 10) SCP continues to claim LCFS credits from the California Air Resources Board from the charging stations deployed through GridSavvy. While this was a complicated process that involved tracking and compiling of multiple Electric Vehicle Supply Equipment (EVSE) data sets, SCP worked

with Planning and Analytics to streamline the process and find more eligible registrations using DMV data. SCP sold credits for the first time. Due to pricing confidentiality, revenue generated cannot be disclosed.

- 11) Coinciding with the opening of the AEC, SCP will begin offering the SCP Electrify Tool to help educate customers on the GHG reduction benefits and potential dollar savings associated with switching to an electric home. The tool will be made available for free to residential customers.
- 12) SCP has entered into a contract with the Center for Sustainable Energy (CSE) to manage an e-Bike incentive program. The program will be available to CARE/FERA customers only and will be a point-of-sale incentive.
- 13) In 2020 SCP began assisting our customers in taking advantage of SGIP funds in two ways. First, we contracted with Your Solar Mate to provide assistance in the SGIP application process to SCP customers and their installation contractors. In addition, upon acceptance of their applications by PG&E, SCP pre-paid the incentive with the agreement that SCP would be the recipient of the SGIP funds upon their approval by PG&E. To date we have assisted with over 100 applications and pre-paid \$1,040,000 in SGIP incentives.
- 14) SCP completed the analysis of 17 municipal facilities with existing solar systems to determine the feasibility of adding battery storage to create resilience centers. SCP is in the process of completing a similar analysis of 25 schools with existing solar. In addition, SCP has partnered with the County of Sonoma on a Notice of Intent for a CEC grant to fund the installation of batteries at these and similar sites. This Notice of Intent was accepted and we have begun working on a grant application.

## **New Programs Under Consideration**

SCP is including the following new activities in the plan:

- 1) Implement Programs Equity Framework – SCP will begin implementation of the Programs Equity Plan.
- 2) Promote the creation of Resilience Centers at municipal and school facilities. – SCP will facilitate the addition of batteries at municipal and school facilities with existing solar systems.
- 3) Implement a Portable Battery Lending Program – SCP will develop a program for lending portable batteries to medical baseline customers to help them weather PSPS events.
- 4) Commercial Battery Program – SCP staff will investigate a program that incentivizes commercial battery storage projects.
- 5) On-Bill Financing for Transit/School Buses – SCP staff will investigate the expansion of its On-Bill Financing program to the purchase of electric buses.
- 6) Encourage Resilience in new development – SCP staff will investigate methods to encourage resiliency in new development design.
- 7) Develop a MUD/Commercial Retrofit Program – Develop a program that encourages electrification of existing MUD and commercial properties focused on health and safety.
- 8) Develop an Induction Cooktop lending program for commercial applications. – This would complement our existing induction lending program by providing commercial enterprises the opportunity to experience how induction cooking could benefit restaurants.
- 9) Electrification Equity – As natural gas is phased out of residential use, there are concerns that the financial burdens of this transition could fall more heavily on ESJ communities. This program will seek to mitigate that effect.

## **Discontinued Programs**

Discontinued programs are programs that were initiated as a pilot and were either not successful, or successful enough to jumpstart market transformation.

- Promote Transit and School Bus Electrification.

Final reports were delivered to each of the four transit agencies. Final reports have been delivered to the two school bus operators. SCP has offered to assist/partner on grant proposals.

- Investigate how best to pair battery storage with existing or planned solar systems at municipal facilities.

Analyses of 17 municipal facilities were performed and reports were delivered. SCP is partnering with the County of Sonoma and a consultant on a grant application to implement storage at these (and potentially other) facilities.

- Develop a Residential Battery Storage Program.

Instead of directly incentivizing residential batteries, SCP staff have found that assisting with the application process and providing up-front payment of the SGIP incentive to be beneficial in promoting residential storage. In addition, we have discovered that the SGIP program reduces their incentive if other incentives are applied.

## **Program Strategies and Levels of Action**

This plan identifies eight program strategies:

- Promote the Use of Electric Vehicles in Transportation
- Promote Fuel Switching in New and Existing Building Stock
- Identify and Apply for External Funding to Support Programs
- Promote the Aggregation of Loads and Resources
- Support the Integration of Distributed Energy Resources in SCP's Territory
- Support the Transition to Carbon Free Building Codes and Practices

## Sonoma Clean Power Programs Group Strategic Action Plan

- Test and Evaluate the Use of New Technologies
- Promote Public Education Involving Energy Efficiency and Fuel Switching

This plan identifies three levels of action:

Immediate Action	Near-Term Action	Long-term Action
Ongoing or to be initiated within the next year.	To be initiated within one to three years.	No defined start date for action, likely longer than three years.
<ol style="list-style-type: none"><li>1. Required by regulatory or other deadlines;</li><li>2. Other strategies or actions are dependent on outcome;</li><li>3. Achievable in the near-term; and</li><li>4. Funding and resources are available.</li></ol>	<ol style="list-style-type: none"><li>1. Actively exploring;</li><li>2. Anticipated, yet not immediate, deadline;</li><li>3. Funding is proposed; and</li><li>4. Necessary for planning and development of long-term actions.</li></ol>	<ol style="list-style-type: none"><li>1. In the conceptual phase;</li><li>2. Not enough information to proceed currently;</li><li>3. Lower priority; and</li><li>4. Funding not available</li></ol>

## **Program Strategy One**

(PST)

### **Promote the Use of Electric Vehicles in Transportation**

This strategy fulfills the following goals of SCP's JPA:

- a) Reducing greenhouse gas emissions in Sonoma County and neighboring regions and;*
- d) Stimulating and sustaining the local economy.*

#### **Immediate Action One:**

Provide Free Charging Stations.

Project: Provide free Level 2 charging stations to eligible SCP customers.

Status: A contract with Enel X to continue the free charging station program through June 2021 is in place. We are negotiating an extension to this contract as well as reaching out to potential new vendors to participate. SCP is claiming LCFS credits for this program, which will help expand program funding in future years.

Involved Parties: Enel X, Olivine.

Equity: Investigate modifying program to reduce up front cost.

Metric: Number of EVSE shipped and activated.

Goal: Ship 200 units per fiscal year.

#### **Immediate Action Two:**

Provide electric mobility solutions for local non-profits.

Project: Identify local non-profits that provide transportation services and incentivize their use of electric vehicles.

Status: SCP has implemented a program that provides \$12,500 towards the purchase or lease of an EV by non-profits. To date, 12 non-profits have taken advantage of this incentive. The program has been budgeted to continue in FY 20-21.

Involved Parties: RCPA, local non-profits.

Equity: Focus outreach on NGO's that serve disadvantaged communities.

Metric: Number of vehicles incentivized.

Goal: 2 vehicles per fiscal year.



### Immediate Action Three:

Implement CALeVIP program.

- Project:** The CEC launched CALeVIP to work with local partners to develop and implement EV charging incentive projects that meet regional needs. Funds are provided from the Alternative and Renewable Fuel and Vehicle Technology Program.
- Status:** SCP was awarded \$5.1M for implementation of an EV charging project in Sonoma and Mendocino counties. SCP is matching the CEC project with \$1.65M. The Program launched on July 8, 2020 and is currently oversubscribed. The Program Manager (CSE) is analyzing applications for inclusion in the Program.
- Involved Parties:** RCPA, BAAQMD, NSCAPCD, MCAPCD, CSE, CEC.
- Equity:** Outreach and program design were focused on low-income communities in our service territory.
- Metric:** Number of EVSE installed.
- Goal:** Incentivize a total of 500 Level 2 chargers and 50 DCFC.  
Incentivize 4 DCFC in Mendocino.  
Incentivize 3 DCFC in the Coastal and rural areas of our service territory.

### Immediate Action Four:

Develop an eBike Incentive Program.

- Project:** Incentivize the purchase of electric bicycles through an in-store incentive process. Coordinate implementation with local bike stores and advocates.
- Status:** SCP staff anticipate launching this program in Spring 2020. We will be offering a \$1000 incentive towards the purchase of selected e-Bikes. A free safety class will be offered through the Sonoma County Bicycle Coalition. A free helmet will be awarded to customers who complete the safety class. Investigating the potential to finance E-bike purchases.
- Involved Parties:** RCPA, CSE.
- Equity:** Only CARE/FERA and other income qualified customers may participate in this program.
- Metric:** Number of eBikes incentivized.
- Goal:** 100 bikes incentivized in the first iteration of the program.

**Near-Term Action One:**

Support e-Mobility options.

Project: Work with local partners on e-mobility strategies, like e-scooters, to promote shift in transportation modes.

Status: Explore partnerships with other organizations for electric mobility and last-mile solutions in SCP territory.

Involved Parties: To be determined but may include the SCTA and RCPA.

Equity: Leverage connections to outreach to dis-advantaged communities regarding how a program such as this would have impact.

Metric: TBD

Goal: TBD

**Near-Term Action Two:**

Foster electric vehicle adoption in low-income communities.

Project: Collaborate with low-income communities, community groups, and other stakeholders to identify barriers to adoption of electric vehicles and strategies to overcome those barriers.

Status: In concept phase.

Parties Involved: To be determined but may include CBO's.

Equity: This program by its nature seeks to reach out to low-income communities.

Metric: TBD

Goal: TBD

**Near-Term Action Three:**

Foster electric vehicle charging station expansion in low-income communities.

Project: Collaborate with low-income communities, community groups, and other stakeholders to identify barriers to charging station expansion. Work with EVSE providers to expand charging to low-income communities.

Status: In concept phase.

Involved Parties: TBD

Equity: This program, by its nature seeks to benefit low-income communities.

Metric: TBD

Goal: TBD

**Near-Term Action Four:**

Create a Multi-Family EVSE Program.

Project: Develop a program that assists the owners of multi-family developments in planning for and installing EVSE for their tenants.

Status: In concept phase.

Involved Parties: TBD

Equity: Apply the Equity Framework as the program is developed.

Metric: TBD

Goal: TBD

**Near-Term Action Five:**

On-Bill Financing for Transit/School Buses.

Project: Explore the possibility of using SCP's On-Bill Financing Program to support the purchase of electric buses.

Status: Analyses of the potential for electrification of four public transit agencies and two school bus operators have been completed.

Involved Parties: Sonoma County Transit, Mendocino County Transit Authority, Santa Rosa CityBus, Petaluma Transit, West County Transportation Authority, Mendocino County School District.

Equity: Apply the Equity Framework as the program is developed.

Metric: TBD

Goal: TBD

**Long-Term Action One:**

Promote the use of All-Electric Autonomous Vehicles in SCP Territory.

Project: Develop relationships with autonomous vehicle developers and work closely with them to develop services within the SCP service area.

Status: In concept phase.

## Sonoma Clean Power Programs Group Strategic Action Plan

Parties Involved: To be determined but may include the RCPA, SCTA, and regional partners.

Equity: Apply the Equity Framework as this program is developed.

Metric: TBD

Goal: TBD

### Long-Term Action Two:

Promote the use of Electric Vehicles in Car Sharing.

Project: Explore the feasibility of electric car sharing.

Status: Explore partnerships with car share providers to provide incentives to EVs in SCP territory offered on provider's service. Promote EV sharing in new MUD development.

Involved Parties: May include Maven, Zipcar, other providers.

Equity: Apply the Equity Framework in development of the program.

Metric: TBD

Goal: TBD

///End of Strategy One\\

## **Program Strategy Two**

(PS2)

### **Promote Fuel Switching in New and Existing Building Stock**

This strategy fulfills the following goals of SCP's JPA:

- a. Reducing greenhouse gas emissions in Sonoma County and neighboring regions;*
- c. Carrying out programs to reduce total energy consumption and;*
- d. Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources.*

#### **Immediate Action One:**

Project Management for the Lead Locally CEC Grant.

Project: Implement the CEC Lead Locally Grant.

Status: The CEC Lead Locally Grant commenced July 9, 2018. New technologies related to the Applied Research Study have been installed in 15 demonstration homes as part of the Phase 1 research. Phase 2 research locations have been identified and most sites are completing their pre-monitoring for baseline data. The installation of those efficiency measures is scheduled in the first two quarters of 2021. Advanced Energy Center construction began in November 2019. See the Significant Progress section above.

Involved Parties: Frontier Energy, DNV GL, RCPA, TLCD Architecture, County of Sonoma Energy & Sustainability Division, The Engine is Red.

Equity: Incentives for products displayed in the AEC may have higher incentive amounts for CARE/FERA customers. We will investigate using other income qualification programs.

Metric: Satisfaction of Grant goals.

Goal: Defined in grant documents.

#### **Immediate Action Two:**

Implement an On-Bill Financing Program.

Project: Implement an on-bill financing program.

Status: Staff have developed a customer contract. A program implementer has been hired. This Program was approved by SCP's Board and launch is anticipated to occur concurrently

with the opening of the AEC. This Action will be incorporated into the Lead Locally CEC grant above.

Involved Parties: Frontier Energy, Calpine.

Equity: This program is designed to provide 0% financing for home improvements, hopefully reducing barriers for low-income customers. Investigate expanding OBF offerings for medical baseline and income qualified customers.

Metric: Number participants in the on-bill financing program.

Goal: 100 per year.

### Immediate Action Three:

Promote Induction Cooking as an Alternative to Natural Gas.

Project: Loan portable induction cooktops to customers and Induction Kitchen Demonstration Area.

Status: The induction lending program is currently on hold due to COVID 19. Staff are preparing a protocol to begin the lending program again with the opening of the AEC. The AEC will provide an onsite opportunity to touch and feel different induction cooktops. Staff hope to attract culinary schools and other educational programs to the Induction Cooking Demonstration Area. Investigate expanding the lending program into commercial/non-profit areas.

Involved Parties: SCP Staff, Daily Acts.

Equity: Target marketing towards disadvantaged communities. Target lending from additional CBO's.

Metric: Number of cooktops lent.

Goal: Loan out 100 induction cooktops per year.

Expand program to Mendocino County and rural areas of our service territory.

### Immediate Action Four

Develop an Education Program to be Facilitated through the Advanced Energy Center

Project: Develop an education program that will inform contractors, retailers, and the public of the advantages of using various energy efficiency technologies or building techniques.

Status: SCP will be working with parties below to develop a yearlong training calendar.

## Sonoma Clean Power Programs Group Strategic Action Plan

Involved Parties: Sonoma County, RCPA, Design Avenues LLC.

Equity: Develop a workforce training program. Add classes presented in multiple languages.

Metric: Number of classes staged and number of participants in those classes per calendar/fiscal year.

Goal: Host 50 classes per calendar year and 1,000 attendees.

### Immediate Action Five:

Implement the Advanced Energy Build Incentive Program.

Project: Design an incentive program that will accelerate the adoption of “pre-wired” and all-electric new construction homes in SCP’s service territory.

Status: SCP has received Board of Directors approval for the program budget and a contract for program administration has been executed with TRC Engineers, Inc. Program was launched July 1, 2020.

Involved Parties: TRC

Equity: The program offers additional incentives to low income housing projects, including up to \$25,000 for battery storage in multi-family projects.

Metric: Number of dwellings participating in the program

Goal: 500

### Immediate Action Six:

Provide a tool that will educate customers on electrification and help in the transition to full electrification.

Project: Contract or develop a web tool that is designed to educate customers about electrification technologies/measures, help evaluate the potential GHG and dollar savings, and motivate them to take action that will result in reductions in GHG emissions.

Status: Staff has contracted with YellowTin to provide SCP Electrify, a cloud-based electrification engagement platform. The webtool is expected to launch concurrently with the AEC.

Involved Parties: YellowTin.

Equity: Materials are bi-lingual. Engage CBO’s to promote awareness.

Metric: Number of website hits and number of accounts on the platform.

Goal: 500 unique website hits in the calendar year.  
100 residential accounts on the platform by the first anniversary of the launch of the Program.

**Immediate Action Seven:**

Explore Partnerships with other local non-profits/CBO's.

Project: Develop partnerships with other non-profits that are promoting energy efficiency, workforce development and electric vehicles.

Status: SCP has developed an Equity Plan that is designed to reach out to local non-profits/CBO's.

Involved Parties: LIME Foundation, SOMAH, Grid Alternatives.

Equity: The Equity Framework anticipates outreach to non-profits.

Metric: TBD

Goal: TBD

**Near-Term Action One:**

Investigate the potential for an electrification program for the benefit of renters.

Project: Develop a program focused on rental properties that allows renters to upgrade the appliances in their homes through cooperation with landlords.

Status: In development.

Involved Parties: TBD

Equity: This program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

**Near-Term Action Two:**

Develop a MUD/Commercial Retrofit Program

Project: SCP staff will work with local MUD's and Commercial campuses to encourage retrofits to electric equipment and appliances at their identified maintenance/replacement schedules. SCP staff will assist owners of these properties in identifying incentives to defray costs of replacement.

Status: In development.

Involved Parties: TBD

Equity: This program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD



**Near-Term Action Three:**

Develop a Restaurant Induction Lending Program.

Project: Increase understanding and adoption of induction cooking technology by lending commercial-quality equipment to local food service providers.

Status: In development.

Involved Parties: Potentially a manufacturer or sales rep associated with a major commercial induction company.

Equity: This program will be designed using the Equity Framework.

Metric: Number of restaurants that check out equipment.

///End of Strategy Two\\

## **Program Strategy Three**

(PS3)

### **Identify and Apply for External Funding to Support Programs**

This strategy fulfills the following goals of SCP's JPA:

- c. Carrying out programs to reduce total energy consumption and;*
- d. Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources.*

#### **Immediate Action One:**

Monitor Existing Funding Channels for Potential Opportunities.

Project: Monitor funding channels such as the DOE, CEC, CPUC, Air Districts, etc. for potential partnership opportunities.

Status: SCP is partnering with EPRI on several grant solicitations sponsored by the CEC and DOE. Staff have partnered with the County of Sonoma and TerraVerde on the submission of a Notice of Intent for a CEC grant.

Involved Parties: CEC, EPRI, County of Sonoma, TerraVerde.

Equity: Most grant opportunities reward applications that focus on Equity populations. SCP staff will try to tailor its applications towards benefitting low income and underrepresented populations. SCP will partner with CBO's on grant opportunities that benefit ESJ communities.

Metric: N/A

#### **Long-Term Action One:**

Monitor Programs that Could Scale with CPUC Energy Efficiency Funds.

Project: Monitor potential programs that could meet CPUC requirements for the use of publicly funded energy efficiency funds.

Status: Ongoing.

Involved Parties: TBD based on program offering.

Equity: This program will be developed using the Equity Framework

Metric: TBD

Goal: TBD

///End of Strategy Three\\

## **Program Strategy Four**

(PS4)

### **Promote the Aggregation of Loads and Resources**

This strategy fulfills the following goals of SCP's JPA:

- b. Providing electric power and other forms of energy to customers at a competitive cost;*
- c. Carrying out programs to reduce total energy consumption;*
- d. Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources; and*
- e. Promoting long-term electric rate stability, energy security, reliability, and resilience.*

#### **Immediate Action One:**

Implement GridSavvy Community.

**Project:** Develop a contract with a "Scheduling Coordinator" to aggregate the "technical aggregators" operating in SCP territory and manage dispatch of these resources to benefit SCP's ratepayers.

**Status:** We have entered into a contractual relationship with Olivine to administer a demand response program called GridSavvy. To date we have been able to dispatch a fleet of electric car chargers. We have recently added smart thermostats and HPWH's to our webstore that can also be dispatched. This effort will dovetail with the CEC grant work described in Program Strategy Two.

**Involved Parties:** Olivine, Enel X, AO Smith, Rheem, ecobee.

**Equity:** On-bill financing and incentives for these technologies is offered through the AEC.

**Metric:** Number of participants in GridSavvy per technology. Size of dispatchable load participating.

**Goal:** 800 EVSE, 50 HPWH, 100 thermostats by end of 2021 calendar year. 0.75 MW of flexible resource by December 31, 2021.

#### **Immediate Action Two:**

Promote the creation of Resilience Centers at municipal and school facilities.

**Project:** Work with our member agencies and school districts to promote the addition of battery storage systems to sites with existing

solar systems.

Status: Analyses of the potential to add batteries have been prepared for municipal sites. Analyses for school sites are in process. The County of Sonoma (with assistance from SCP) has been invited to submit a grant application to possibly fund this effort.

Involved Parties: County of Sonoma, TerraVerde selected school districts, SCP member agencies.

Equity: Selection of school sites will include schools in disadvantaged communities.

Metric: TBD

Goal: TBD

**Near-Term Action One:**

Investigate Behavioral Demand Response in residential and commercial offerings.

Project: Develop a program that would incentivize residents and businesses to reduce energy use at a signal from SCP.

Status: We have received a proposal from Olivine to administer the program and contract negotiations have begun. We anticipate launching a program in 2021.

Involved Parties: Olivine.

Equity: This program will use the Equity Framework in its design.

Metric: TBD

Goal: TBD

///End of Strategy Four\\

## **Program Strategy Five**

(PS5)

### **Support the Integration of Distributed Energy Resources in SCP's Territory**

This strategy fulfills the following goals of SCP's JPA:

- a. Reducing greenhouse gas emissions in Sonoma County and neighboring regions;*
- b. Providing electric power and other forms of energy to customers at a competitive cost;*
- d. Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources; and*
- e. Promoting long-term electric rate stability, energy security, reliability, and resilience.*

#### **Immediate Action One:**

Develop an alternative to mandatory on-site solar systems in new construction.

Project: Work with the CEC on the development and codification of PermaGreen, a commitment from property owners to purchase EverGreen as an alternative to mandatory on-site solar systems in new construction.

Status: SCP has enrolled one residential customer in PermaGreen and continues to monitor progress. New customer enrollments have been paused.

Involved Parties: CEC.

Equity: TBD

Metric: TBD

Goal: TBD

#### **Immediate Action Two:**

Investigate how best to pair battery storage with existing or planned solar systems at public education facilities.

Project: Work with school districts within our member jurisdictions to identify existing and planned solar facilities that might benefit from adding a battery storage component.

Status: Staff have executed a contract with TerraVerde to perform

analyses on 25 schools spread throughout SCP territory. Applications are being accepted and we are developing selection criteria.

Involved Parties: TerraVerde, School districts within SCP member jurisdictions.

Equity: The selection criteria will ensure inclusion of sites in low-income districts.

Metric: Number of systems analyzed.

Goal: Analysis of 25 sites.

**Near-Term Action One:**

**Commercial Battery Program.**

Project: Explore the possibility of an incentive for installation of battery storage systems at commercial accounts.

Status: In development.

Parties Involved: TBD

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

///End of Strategy Five\\

## **Program Strategy Six**

(PS6)

### **Support the Transition to Carbon Free Building Codes and Practices**

This Strategy fulfils the following goals of SCP's JPA:

- a. Reducing greenhouse gas emissions in Sonoma County and neighboring regions;*
- c. Carrying out programs to reduce total energy consumption and;*
- d. Stimulating and sustaining the local economy*

#### **Immediate Action One:**

Provide Assistance to Commercial Customers in Optimizing Energy Efficiency.

Project: Enter into a contract with the County of Sonoma Energy and Sustainability Division to provide energy audits to businesses in SCP's service territory.

Status: Contract is in place. As of June 1<sup>st</sup>, 2019, 3 customers have received assistance.

Parties Involved: County of Sonoma Energy & Sustainability Division.

Equity: TBD

Metric: Number of businesses assisted.

Goal: 10 per calendar year.

#### **Immediate Action Two:**

Provide Backup Power Assistance to Commercial Customers in Preparation for PSPS events.

Project: Entered into a contract with the Center for Sustainable Energy to provide energy resiliency audits to essential businesses and businesses impacted by prior PSPS events in SCP's service territory.

Status: Program launched in May 2020 and has started providing audits to 13 sites.

Parties Involved: Center for Sustainable Energy.

Equity: TBD

Metric: Number of businesses assisted.

Goal: 20 sites by the end of 2020.

**Immediate Action Three:**

Assist Local Jurisdictions on Ordinances that Encourage Greenhouse Gas Reduction in Local Buildings.

Project: Assist local city and county staff in the investigation and adoption of “reach” codes that push energy efficiency and greenhouse gas reduction measures beyond those required by code.

Status: SCP is actively engaging with interested cities, and reach codes have been passed in Windsor and Santa Rosa.

Involved Parties: Local cities and counties, NRDC, the Building Decarbonization Collation.

Equity: To be determined

Metric: Number of municipalities with Reach Codes adopted.

Goal: Five in SCP jurisdiction.

**Near-Term Action One:**

Explore programs and strategies for low GHG agriculture.

Project: Assist agricultural customers with low-GHG farming practices, with a focus on reducing methane and nitrous oxide emissions.

Status: In concept phase. Potential to work with wineries and other agricultural customers to participate in a waste-to-energy program.

Parties Involved: TBD

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

**Near-Term Action Two:**

Electrification Equity.

Project: SCP staff are aware that electrification on a large scale may cause hardship for our low-income customers. SCP staff will engage in activities that seek to minimize or eliminate any inequities identified in the transition to all electric power.

Status: SCP staff and consultants are engaged in statewide efforts to identify means of promoting electrification without adversely affecting low-income populations.

Parties Involved: SCP staff, Klassen.



## Sonoma Clean Power Programs Group Strategic Action Plan

Equity: The Equity Framework will be used to engage customers on this issue.

Metric: TBD

Goal: TBD

### Long-Term Action One:

Investigate carbon sequestration strategies.

Project: Investigate potential strategies that allow for meaningful sequestration of carbon.

Status: In concept phase. We are following RCPA's Sonoma Climate Mobilization Strategy.

Parties Involved: RCPA.

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

///End of Strategy Six\\

## **Program Strategy Seven**

(PS7)

### **Test and Evaluate the Use of New Technologies**

This strategy fulfills the following goals of SCP's JPA:

- a. Reducing greenhouse gas emissions in Sonoma County and neighboring regions;*
- b. Providing electric power and other forms of energy to customers at a competitive cost;*
- c. Carrying out programs to reduce total energy consumption and;*
- d. Stimulating and sustaining the local economy, including by developing or promoting local distributed energy resources.*

#### **Immediate Action One:**

Implement a Portable Battery Lending Program.

Project: Implement a program that delivers portable batteries to medical baseline customers to assist them through PSPS events.

Status: In development.

Involved Parties: SCP and AEC staff.

Equity: This program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

#### **Near-Term Action One:**

Investigate the Use of Biomass Power Generation in SCP Territory.

Project: Identify biomass feed stock supplies in SCP territory (particularly Mendocino County) as well as small scale biomass conversion technologies that may provide cost effective local power generation.

Status: Biomass analysis for Sonoma County completed by Sonoma Water several years ago.

Involved Parties: Sonoma Water.

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

**Near-Term Action Two:**

Investigate Vehicle-to-Building technologies.

Project: Investigate potential technologies that allow electric vehicles to provide backup power to buildings through vehicle-to-building technologies.

Status: Vehicle-to-Building technologies are being considered for inclusion in the AEC.

Involved Parties: To be determined but may include vehicle manufacturers.

Equity: Program will be designed using the Equity Framework

Metric: TBD

Goal: TBD

**Near-Term Action Three:**

Encourage Resilience in new development.

Project: SCP staff will investigate ways to incorporate resilience in the design and permitting of new housing and business developments.

Status: In concept phase.

Involved Parties: SCP staff, planning agencies.

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: TBD

///End of Strategy Seven\\

## **Program Strategy Eight**

(PS8)

### **Promote Public Education Involving Energy Efficiency, Fuel Switching, and Electric Vehicles**

This strategy fulfills the following goals of SCP's JPA:

- a. Reducing greenhouse gas emissions in Sonoma County and neighboring regions; and*
- e. Promoting long-term electric rate stability, energy security, reliability, and resilience.*

#### **Immediate Action One:**

Continue the Switch Program.

**Project:** SCP has for several years funded the Switch Program which provides an electric car "kit" which students can assemble and disassemble in order to learn how electric cars are put together. This familiarity with electric vehicles will make them more likely to incorporate EV's into their lives as well as the potential for students to enter the EV industry.

**Status:** A funding agreement to extend the program has been completed.

**Involved Parties:** CTEF, Switch.

**Equity:** Program is focused on workforce development.

**Metric:** Number of vehicles in the program.

**Goal:** Seven vehicles.

#### **Immediate Action Two:**

Continue to Offer Consumer-Facing Educational EV Resources.

**Project:** SCP has for several years offered a number of educational resources to help customers switch to driving an EV. These resources include the EV Buyers Guide, DriveEv.org, the EV Roadmap, EV 101, and EV collateral (e.g., flyers).

**Status:** Tools and materials currently available on [DriveEV.org](https://driveev.org).

**Involved Parties:** SCP Marketing Staff, RCPA.

**Equity:** TBD

**Metric:** Number of unique visits and engagement time on website.

## Sonoma Clean Power Programs Group Strategic Action Plan

Goal: 200 unique visits and an average of 2 minutes spent on the website and subsequent tools.

### Immediate Action Three:

Continue the Energy Education Program for Schools in SCP Territory.

Project: Contract with Sonoma Water to expand their existing education program to include energy efficiency, fuel switching and climate change throughout Sonoma and Mendocino County schools.

Status: Contract is in place and curriculum has been developed. SCP coordinated with Sonoma Water on materials and branding. Sonoma Water implemented the education program for the 2019/20 school year. SCP has contracted with Sonoma Water to continue the program through fiscal year 20-21. Distance learning curriculum has been developed for use during COVID.

Involved Parties: Sonoma Water.

Equity: TBD

Metric: Number of students and teachers reached in the educational calendar year.

Goal: Reach 6,000 students and 30 teachers in the educational calendar year.

### Immediate Action Four:

Continue the DIY Tool Kit Program.

Project: The DIY Toolkit Program provides a selection of energy and water saving devices that can be checked out from local libraries. SCP is one of four partners and partial funder of the program in Sonoma County, and one of three partners and full funder in Mendocino County.

Status: 32 kits are currently in rotation in Sonoma County Libraries and 13 kits in rotation in Mendocino County Libraries. The kits combined have been checked out over 823 times (768 check outs in Sonoma and 55 in Mendocino). The program has been reactivated.

Involved Parties: Sonoma County General Services Department, Sonoma County Library, Sonoma Water, Sonoma-Marín Saving Water Partnership, Mendocino County Library.

Equity: Program is accessible through the library system. Program is free to all. Is accessible to renters. Will focus outreach on ESJ communities. Will support the addition of a library for Roseland and other communities lacking libraries.

## Sonoma Clean Power Programs Group Strategic Action Plan

Metric: Number of times the toolkits are checked out per year.

Goal: Total of 60 checkouts in Mendocino and 350 checkouts in Sonoma each year.

### Immediate Action Five:

Implement Programs Equity Framework.

Project: Work with non-profits on the development of programs specifically designed to benefit bypassed segments of our local population. Implement a plan that details steps to be taken in the development of new programs to ensure that equity is considered.

Status: Programs and Marketing staff are developing an outreach strategy.

Involved Parties: TBD

Equity: Program will be designed using the Equity Framework.

Metric: TBD

Goal: Begin implementation of the Equity Plan during Q1/2 of 2021.

///End of Strategy Eight\\

## **Summary of Actions**

### **Immediate Actions:**

- Provide Free Charging Stations *(PS1)*;
- Provide electric mobility solutions for local non-profits *(PS1)*;
- Implement CALeVIP Program *(PS1)*;
- Develop E-bike Incentive Program *(PS1)*;
- Project Management for the Lead Locally CEC Grant *(PS2)*;
- Implement the On-Bill Financing Program within SCP's Territory *(PS2)*;
- Promote Induction Cooking as an Alternative to Natural Gas *(PS2)*;
- Develop an Education Program to be Facilitated through the Advanced Energy Center *(PS2)*;
- Implement the Advanced Energy Build Incentive Program *(PS2)*;
- Provide a tool that will educate customers on electrification and help in the transition to full electrification. *(PS2)*
- Explore Partnerships with other local non-profits/CBO's *(PS2)*
- Monitor Existing Funding Channels for Potential Opportunities *(PS3)*;
- Implement GridSavvy Community *(PS4)*;
- Promote the creation of Resiliency Centers at municipal and school facilities *(PS4)*
- Investigate Behavioral Demand Response in residential and commercial offerings *(PS4)*;
- Develop an alternative to mandatory on-site solar systems in new construction *(PS5)*;
- Investigate how best to pair battery storage with existing or planned solar systems at public education facilities *(PS5)*;
- Electrification Equity
- Provide Assistance to Commercial Customers in Optimizing Energy Efficiency *(PS6)*;
- Provide Backup Power Assistance to Commercial Customers in Preparation for PSPS events *(PS6)*;
- Assist with Local Jurisdictions on Ordinances that Encourage Greenhouse Gas Reduction in Local Buildings *(PS6)*;

- Implement a Portable Battery Lending Program (PS7)
- Continue the Switch Program (PS8);
- Continue to Offer Consumer-Facing Educational EV Resources (PS8);
- Continue the Energy Education Program for Schools in SCP Territory (PS8);
- Continue the DIY Tool Kit Program (PS8);
- Implement Programs Equity Framework (PS8).

**Near-Term Actions:**

- Support e-Mobility options (PS1);
- On-Bill Financing for Transit/School Buses (PS1)
- Foster electric vehicle adoption in low-income communities (PS1);
- Foster electric vehicle charging station expansion in low-income communities (PS1);
- Create a Multi-Family EVSE Program (PS1);
- Investigate the potential for an electrification program for the benefit of renters (PS2);
- Develop a MUD/Commercial Retrofit Program (PS2)
- Develop a Restaurant Induction Lending Program (PS2)
- Commercial Battery Program (PS5)
- Explore programs and strategies for low GHG agriculture (PS6);
- Encourage Resilience in new development (PS7)
- Investigate the use of Bio-Mass Power Generation in SCP Territory (PS7);
- Investigate Vehicle-to-Building technologies (PS7);
- Develop a targeted Equity Education Program (PS8).

**Long-Term Actions:**

- Promote the use of All-Electric Autonomous Vehicles in SCP Territory (PS1);
- Promote the use of Electric Vehicles in Car Sharing (PS1);
- Monitor Cost-Effectiveness of Programs that Could Scale with CPUC Energy Efficiency Funds (PS3);



- Investigate carbon sequestration strategies (*PS6*).

Page intentionally left blank for double-sided printing



## Staff Report - Item 06

---

**To:** Sonoma Clean Power Authority Community Advisory Committee

**From:** Rebecca Simonson, Director of Planning & Analytics  
Geof Syphers, CEO  
Mike Koszalka, COO  
Beau Anderson, Administrative Services Officer  
Ryan Tracey, Senior Energy Analyst

**Issue:** Discuss EverGreen Local Resource Public Workshop #2 and Provide Feedback as Appropriate

**Date:** January 21, 2021

---

### Recommended Actions

Review the EverGreen Local Resource Plan Public Workshop #2 results and provide comment and feedback on direction for Local Resource Plan.

### Background

With the addition of the City of Santa Rosa accounts as part of our EverGreen program and with growing participation at large, staff is seeking public input for a new Local Resource Plan since more new local resources are now needed.

The Local Resource Plan will lay out the plan for new local clean power development to serve EverGreen customers and will eventually form a subset of the Integrated Resource Plan. Staff plans for this to be an iterative process, updated yearly and completely revisited every other year.

Staff held Public Workshop #1 on December 1, 2020 and brought the results to the Committee and Board to discuss in the December Committee meeting and January Board meeting. Public Workshop #1 was focused on priorities for the EverGreen program and the Local Resource Plan. This report details Public Workshop #2 held on January 12, 2021. Public Workshop #2 presented the more technical details of

EverGreen customer demand, resource supply to match demand, modelling methodologies, and local resource supply considerations.

Staff will seek input and direction from the Committee for the Local Resource Plan at two more meetings beyond today's meeting; the March and April meetings as detailed below.

The Local Resource Plan timeline was brought to the Committee in the October 16, 2020 meeting. As a reminder, the planned timeline is as follows:

- ✓ **12/1/2020- 12-2pm Public Workshop #1 COMPLETED** focused on resource and program priorities
- ✓ **12/3/2020**- Staff has posted a video recording of Public Workshop #1 on the website EverGreen page
- ✓ **12/16/2020 CAC meeting**- Presented Public Workshop #1
- ✓ **01/07/2021 BOD meeting**- Presented Public Workshop # 1 and CAC feedback
- ✓ **01/12/2021- 12-2pm Public Workshop #2 COMPLETED** focused on technical demand and supply considerations
- ✓ **01/13/2021** - Staff posted a video recording of Public Workshop #2 on website <https://sonomacleanpower.org/programs/evergreen>
- **1/21/2021 CAC meeting**- presenting Public Workshop #2 in this staff report for feedback and direction
- **02/04/2021 BOD meeting**- Staff will present summary of Public Workshop #2 and CAC feedback for Board input
- **03/18/2021 CAC meeting**- Staff will present initial Local Resource Plan draft for CAC input and direction
- **04/01/2021 BOD meeting**- Staff will present initial Local Resource Plan draft
- **04/15/2021 CAC meeting**- Staff will present the proposed Final Local Resource Plan for CAC recommendation to the Board
- **05/06/2021 BOD meeting**- Staff will seek approval of Final Local Resource Plan from Board.

## Discussion

SCP staff held the EverGreen Local Resource Plan Public Workshop #2 on January 12th via virtual webinar. The virtual webinar also included live polls for data driven feedback. A video recording of the workshop is posted on our website <https://sonomacleanpower.org/programs/evergreen> and the presentation slide deck is available [through this link](#) or by request from the Clerk of the Board.

There were 46 non-staff attendees to the Public Workshop with good participation in the live polls and approximately forty minutes of public comment. The results from the live poll questions and public comment are shown on following pages.

In addition to the Public Workshop, staff created an online survey form for written public feedback for anyone who was unable to attend the workshop or had further comments from those provided during the workshop. A link to the survey can also be found at the link above for SCP's EverGreen webpage. The online survey results are shown on the following pages. As of the publication of this report, there have been 30 responses to the online survey.

The notifications for the webinar and survey were emailed to 1,225 recipients, and a separate release to the local media and city and county staff was sent to a further 170 recipients for further distribution. Staff also shared the event and link to the survey on SCP's Facebook, Instagram, and LinkedIn accounts.

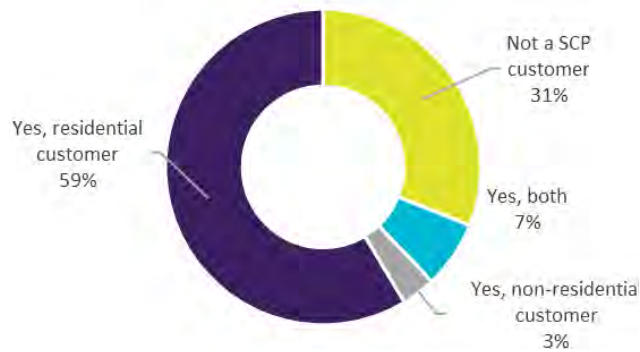
### **Webinar Live Poll and Online Survey results**

The following pages present the data of the live poll and online survey multiple choice questions, the public comment conducted during the workshop, and the written comments from the online survey. The online survey responses will be collected through Feb 5th, 2021, however the results below are from the first 30 responses we've received as of the publishing of this report.

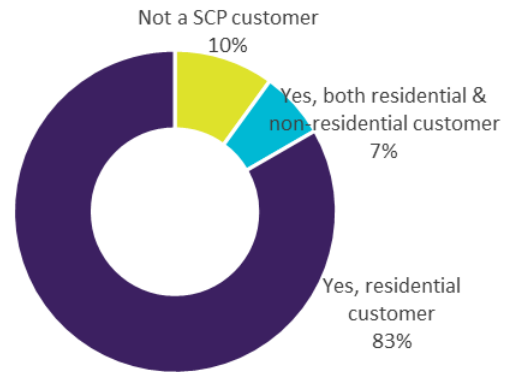
It is interesting to note that a number of commenters are opposed to the production of electricity from woody biomass, despite hearing about the tree trimming work PG&E will be conducting for years and the massive state and federal commitment to treat one million acres of forests per year. SCP staff have not yet quantified the volume of woody biomass that will be generated in our territory, but it is likely quite a significant increase over today's activities. A question for the Committee to help us consider is how SCP could help avoid trucking potentially a hundred or more loads of woody biomass per day from Sonoma and Mendocino Counties to biomass facilities in the Sierra foothills or Humboldt County. We also recognize that to answer this question, we may need more data about the expected volume and type of material.

## **Webinar live polls results**

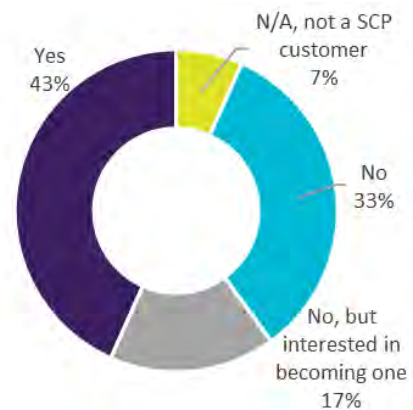
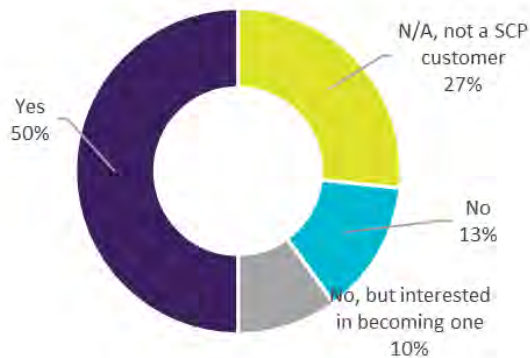
Are you or the organization you represent a Sonoma Clean Power customer?



## **Online survey results**

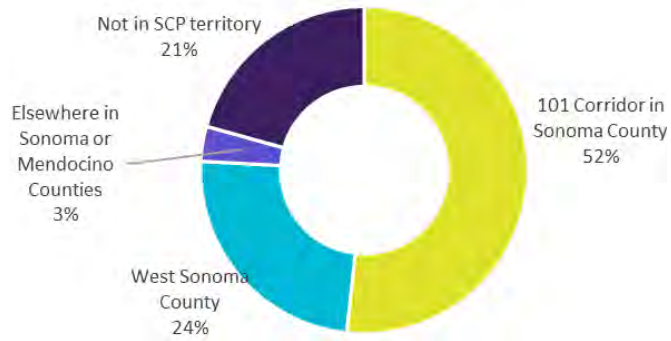


Are you or the organization you are representing an EverGreen customer?

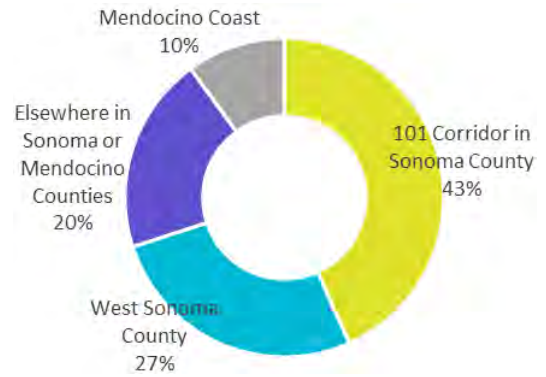


## Webinar live polls results

Where do you reside?

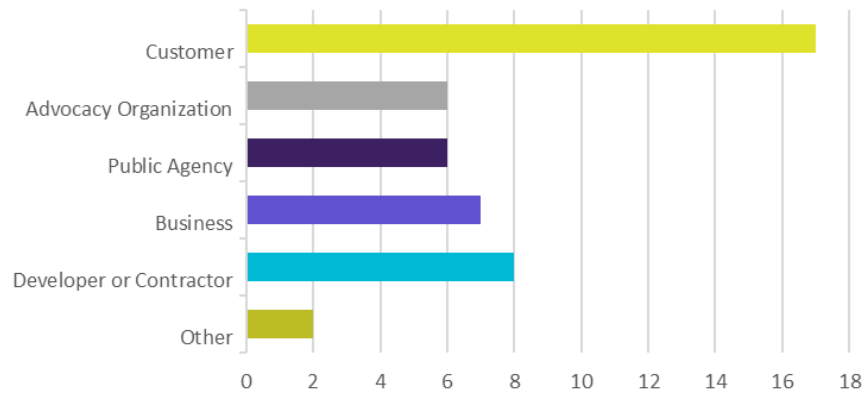


## Online survey results

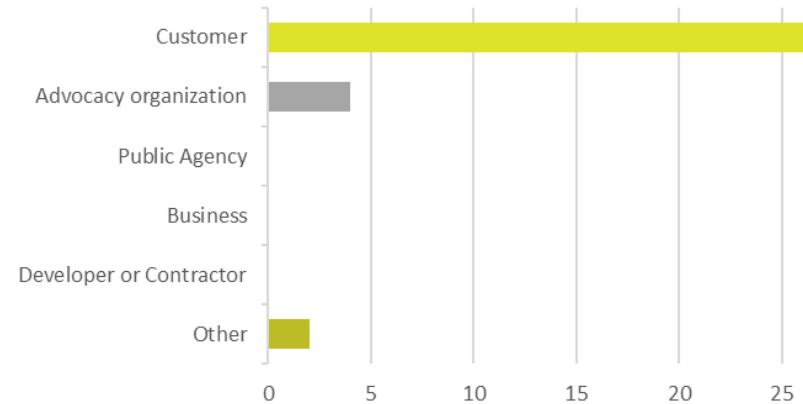


## Webinar live polls results

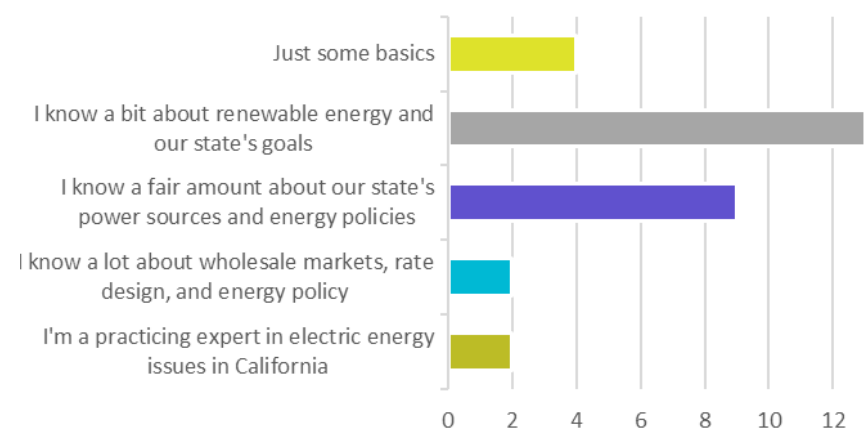
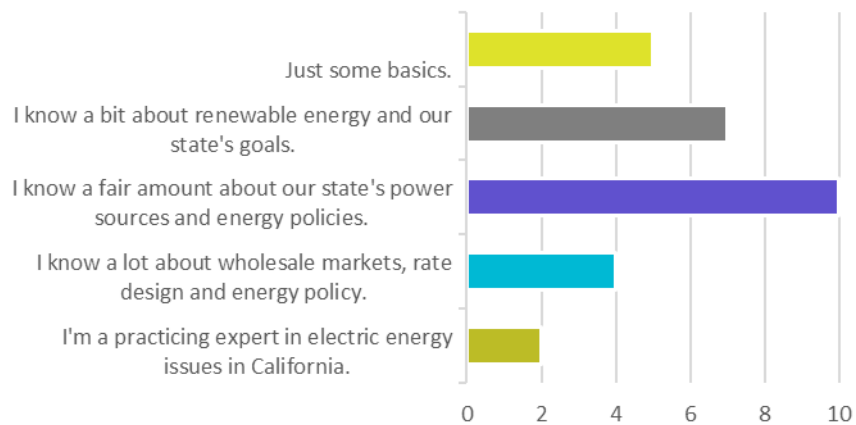
What interest do you represent  
(select all that apply)



## Online survey results



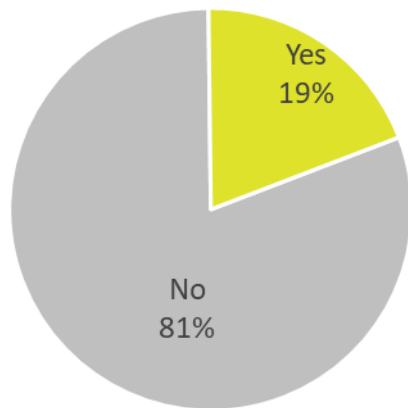
How would you rate your understanding of  
California's electricity system?



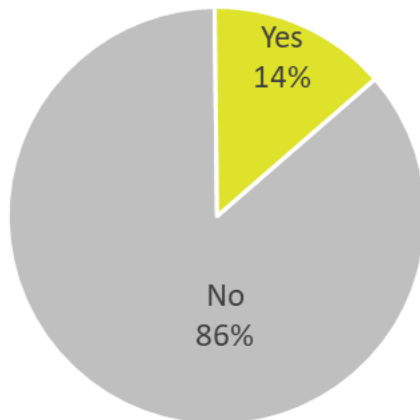


### **Webinar live polls results**

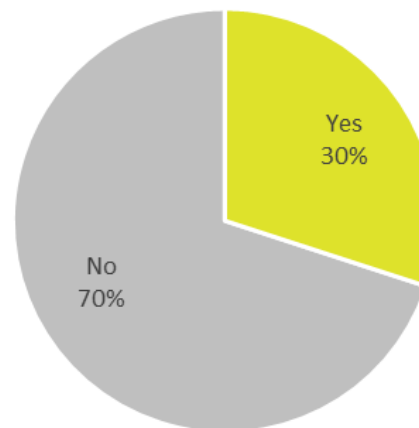
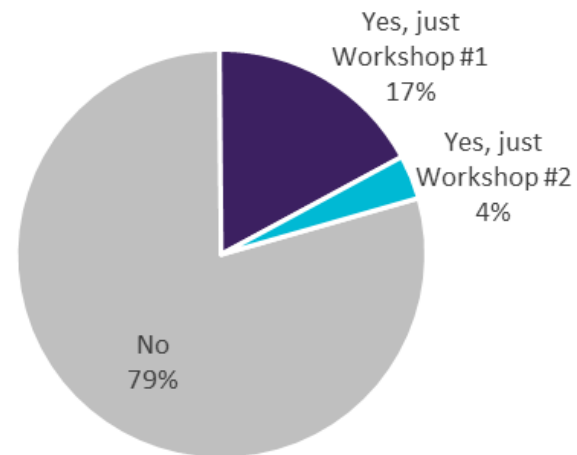
Did you attend or watch Public Workshop #1?



Did you fill out the online survey for Public Workshop #1?

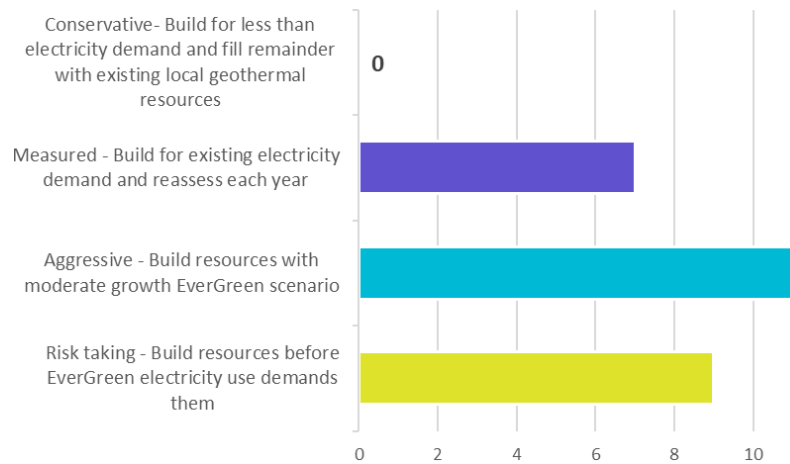


### **Online survey results**

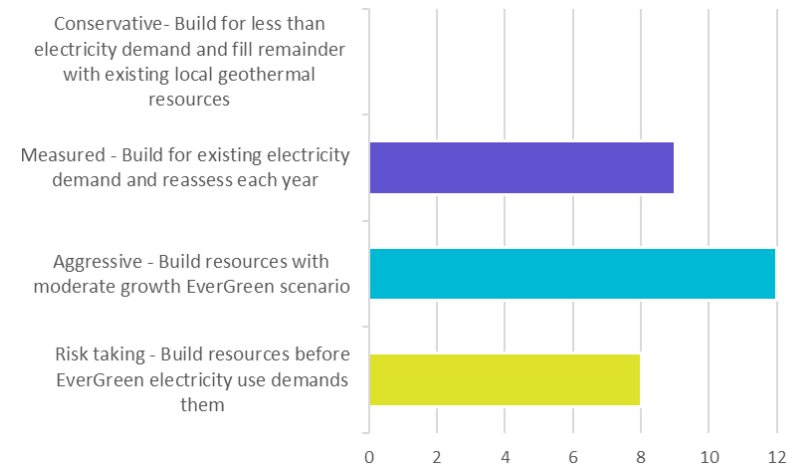


## Webinar live polls results

How would you like to see the build-out growth planned for EverGreen?

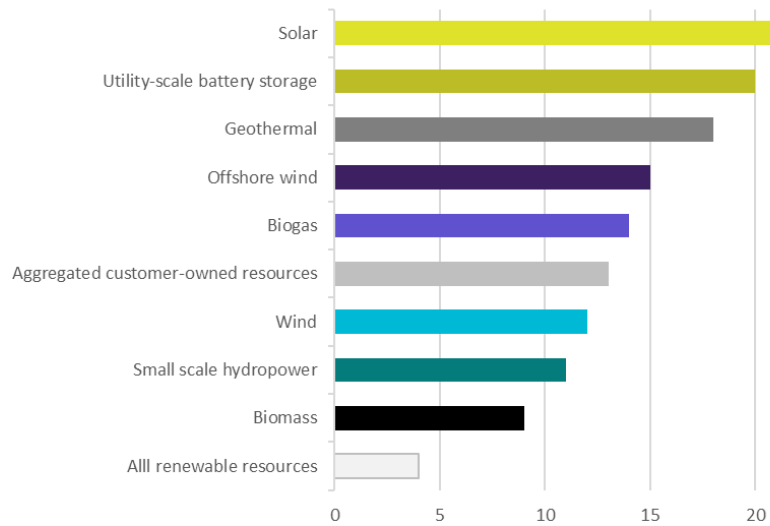


## Online survey results

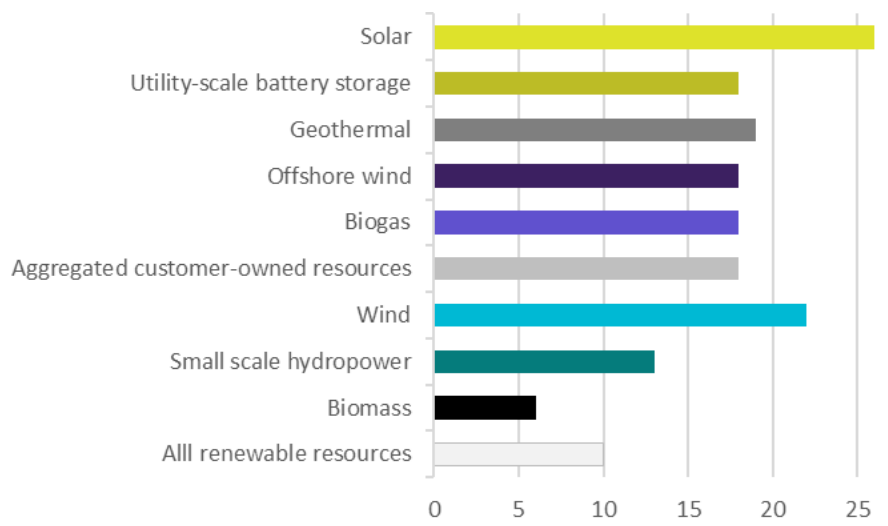


## Webinar live polls results

Select the resources you would like to see as part of the EverGreen supply mix (select all that apply)

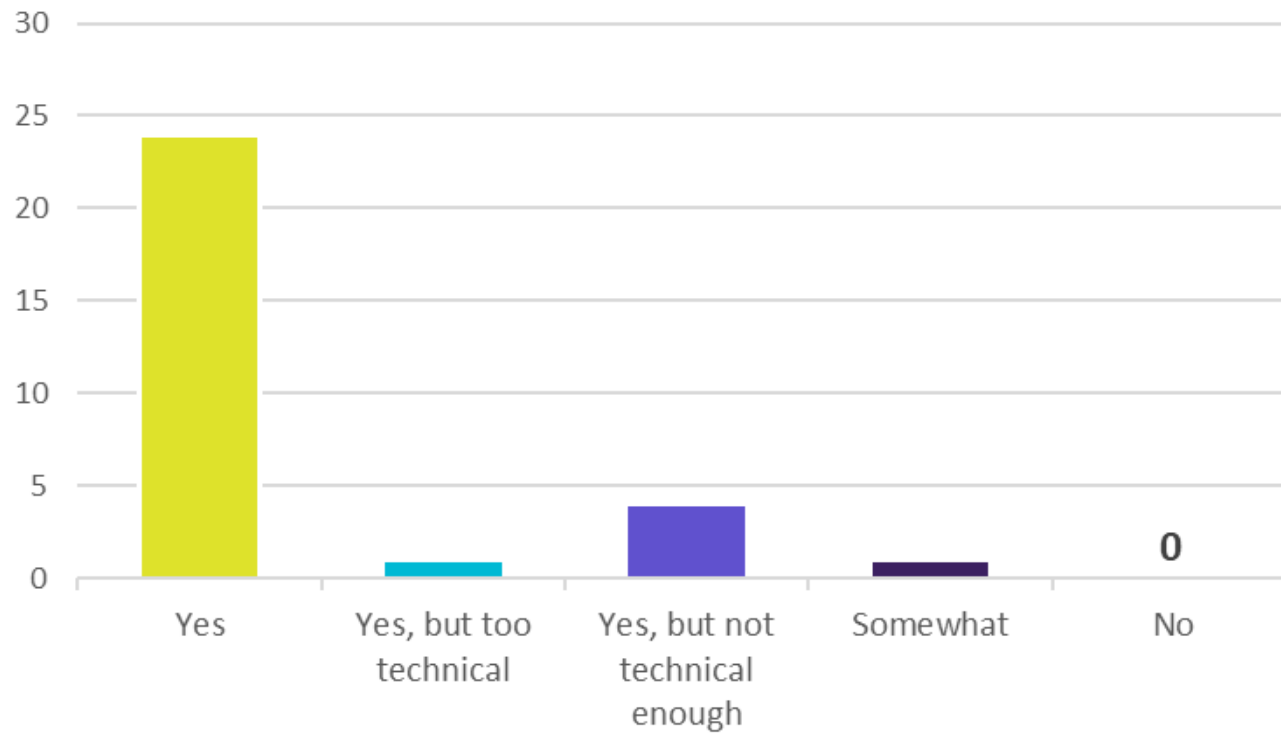


## Online survey results



### Webinar live polls results

Have these public workshops been helpful?



## **Public Workshop #2 webinar public comments**

The public comment portion of the webinar is included in the video recording of the workshop posted on our website

<https://sonomacleanpower.org/programs/evergreen> at approximately one hour nineteen minutes, however is also summarized below:

Maya Khosla, part of Climate Activist Group (but don't represent them)

*First Comment:* Governor received comment on forest-based biomass not considered carbon neutral. Uses 1.5x more resources than coal in terms of burning for same amount of power generated. Plenty of literature, especially from East Coast where it is considered renewable. I understand there is a lot of comment on this seeing as it's non-renewable. I'm an inspector and the idea that using sawmill dust is incorrect; I've seen live and dead timber being used and trucked to Humboldt and China Camp. These are burned in low-income communities and create pollution. We cannot assume that they use sawmill waste. There is a facility here that processes biomass from live and dead trees. It's a misnomer to think of it as sawmill waste. There are many reasons why it's worse than fossil fuel emissions.

*Follow-up Comment:* Thank you for patience and integrating comments into the plan. Appreciate all the comments. One interesting fact is that there is an aspect of thinning that exacerbates future fires. A lot of fuel thinning projects are responsible indirectly and directly for fire incidents. The high-severity fire idea is interesting, but it is unexplored and even areas that were thinned ended up being high fire threat. The biggest trees will be used; they don't just cut the thinner vegetation. I appreciate the work PG&E needs to do around power lines, but other projects were very far away from inhabited area. 100' of defensible space is what should be looked at.

Sunny Galbraith, 350 Sonoma and High School Teacher, Co-chair of SRJC Climate Action Night

I appreciate the distinction between biomass and bioenergy generation from dairies. I oppose it from forests; even dead trees provide habitat and carbon released from burning is counter-productive. Invitation to work with SCP to work with community groups to promote EverGreen. Lots of people would pay that premium. I would love to have someone highlight the EverGreen program during the Climate Action Night as a student project, specifically connecting a high school from an underserved community.

### Woody Hastings, EverGreen customer in West County

SCP should have a formal process with RFPs / RFIs with member jurisdictions for projects in the built environment. There has been a lot of ad hoc engagement, but I'd love to see a proforma RFP / RFI to jurisdictions with developed sites like brownfield projects. I would like to see a breakdown of municipal contribution of commercial demand. The paradigm is shifting to supply matching demand profile; I'm wondering if enough emphasis is on being nimble with demand. Renewable hydrogen and mechanical gravity storage are more proven than how it was characterized and should be further investigated. RESCO from early 2000s identified low temp geothermal projects for district heating. Biomass is highly problematic and am very concerned with SCP as an off-taker of woody biomass.

### Jenny Blaker, Cotati EverGreen Customer

*First Comment:* Appreciate outreach and the first SCP meeting. I am extremely concerned about biomass. It is not clean, renewable or carbon neutral. When trees are cut down, GHGs are emitted and when they are burned, GHGs are emitted. Dioxins are emitted in communities they are burned. Fuel management / safety argument is an excuse for clear-cutting and removing good habitat of old trees. Living, breathing ecosystems with soil/forests/etc. are what we're talking about. This is so much more than trees used for lumber and fuel. These trees provide a source of carbon sequestration. There is a lot of scientific information out there that I will share in writing. Biomass is described as renewable but it takes decades to replace large trees and the ecosystem is not replaced. Do not take biomass on for EverGreen or CleanStart.

*Follow-up Comment:* It makes no sense to be cutting down forests miles from where people live to protect them from fire. More and more information is coming out that fires in wildland urban interface areas are from embers that can fly for miles and what needs to happen is hardening homes with metal roofs, clean gutters, removal of flammable materials which can be a source of green jobs. Biomass and forest thinning and cleaning debris to make fuel doesn't make sense at all.

### Barry Lawrence

Highlighted that there are opportunities for smaller scale wind, particular vertical axis systems that can generate up to 5 kW. The audio connection was not very clear and Barry was asked to follow up with written comment.

Mark Mortenson, Santa Rosa EverGreen customer

It is antithetical to use living things for renewable energy. I totally echo statements made on biomass. Could we get questions you want feedback on posted online as I would like to respond to them. In regards to alternative sources of energy, there are example virtual power plants (OhmConnect with Sidewalk 550 MW in SoCal is a good example). Solar siting should be closer to people to avoid long distribution runs to improve resilience and offer opportunities for microgrids.

Carole Schmitt, Occidental Resident, Board Member on Community Services District

There is a critical need for microgrid in unincorporated communities. We've been hit by PSPS events. I've had 19 events for a total of 50 backup hours based on Tesla app. For communities impacted by COVID with small business that are the only emergency centers for 50 miles, we need your help. We don't have expertise and can't get beyond over-the-fence rule. Lots of people are interested, and we need an organization like SCP to help put together a large-scale project, tap the local community, and find CEC grants. We have professionals that can help out but run into lots of restrictions like upgrades to transformers, aggregations of multiple sites with existing and ground-mounts outside meters. The community has no capability to do it but seems like it will fit within SCP charter.

Kimberly Burr, EV owner and tree planter

I am really concerned about SCP going down road of biomass. It incentivizes cutting and will set an example that will be tragic. I hope we can find other ways to generate clean energy. A huge amount of money is being poured into thinning and we can't be part of that. We need to be upfront about what we define as renewable. Carbon emitted in processes is poorly measured. I encourage you to not look at forests for energy like that. They are thinning forests out in the middle of nowhere with no benefit to community safety. Hopefully that can be taken off the plate.

Larry Hanson, Board President of Forests Limited

*First Comment:* I am well aware of the biomass problem. I've been in Sacramento arguing for not furthering biomass production. I support previous comments. I do appreciate the breakdown of biowaste vs. biomass and the attempt to make sure it is a clean system. Make sure that you aren't getting waste from thinning and those kinds of operations. I upgraded to EverGreen yesterday.

*Follow-up Comment:* Forest Limited has studied biomass and thinning in name of fire suppression. It will actually cause higher wildfire severity. Photographs will show this as well. I'm wondering about battery storage and whether battery costs are figured into analysis with how long they will last, replacement, etc. This didn't come-up but would need to be investigated to understand cost savings.

Zeno Swijtink, Sebastopol EverGreen customer

I understand concern of other citizens on biomass but need to consider it in context of biochar. Biochar would not impact energy equation but would be a co-benefit. There is a seminar at Stanford called StorageX discussing long-term heat storage; would encourage investigating it as an option.

### **Online survey #2 written comments**

If you can offer support and/or ideas on how to influence the federal investment tax credit policy to make stand-alone storage projects eligible for tax credits, please provide comment here.

- Allow siting of utility scale batteries where they are need not just where renewable energy is. Allow for non-taxed/non-profit entities to enjoy in federal incentives.
- Not exactly what you are asking but carbon tax on big users like 6' TV sets.
- do it online
- Sorry not educated on the topic as of yet.
- the key issues are: 1. other much larger tax allowances that warrant careful negotiation of CapEx - PPA contracts 2. Efficiency before storage 3. Solar/Storage design based on total annual usage/demand rather than customer-optimized savings
- Elect responsible leaders at all levels of government policy making, from DOE and FERC through local state and community organizations.

Please help with big problem solutions ( how we can handle programmatic considerations and implementation of aggregated customer-owned behind the meter resources to serve as EverGreen resources, how we can utilize existing waste products in our territory for renewable generation, etc).

- Work on behalf of the community, publicly owned and scaled utility projects are cheaper than individuals going it alone.
- Don't count on rapid recovery of economy and power usage. May not happen.
- Sorry not educated on the topic as of yet.



- Insufficient support for efficiency and IOU-promoted economic criteria that favor supply-side technologies rather than customer-side efficiency
- Hmm, some broad topic areas here. I'd be happy to brainstorm. Probably best in a real time discussion.
- water heaters as batteries and load shaping

Please provide any recommendations for EverGreen to expand inclusion and participation of underserved communities, including minorities and low-income customers.

- Work to improve efficiency within low-income housing and install roof top solar and batteries where practical.
- Requirements for conservation in publicly supported low income housing.
- Sorry not educated on the topic as of yet.
- Multi-unit incentives that focus on renters' savings
- Is it fiscally possible to offer something similar to P.G.&E.'s CARES program for those below a certain income? Solar installs with no upfront costs where the on-bill payments (less than previous bills with the solar) are attached to the property, if it changes hands, are one way to reduce low-income bills while still enrolling in Evergreen.
- Assign a special task force within SCP to research, design and implement.
- price energy according to income, more advertising of your service, grouping people together for quantity discounts.

Open comments/suggestions (e.g. technical feedback, cutting edge technologies, project ideas, resource selection feedback, innovative ideas, etc).

- Battery storage when cost effective, create a preference for local and in-state resources, develop workplace charging to take advantage of excess day-time solar.
- Need incentives for conservation, both residential and industrial. Individual actions needed, things like white roofs, better insulation.
- I just installed a backup power generator. PG&E offered a rebate for this big expense but you don't. Very disappointing.
- Sorry not educated on the topic as of yet.
- Focusing only on Evergreen is unlikely to yield measurable benefits that will convince PUC and CEC to change their IOU-focused economic parameter or RA requirements. Also, unlikely that total energy savings for customers (including investment and PPA costs) will be convincing - especially if storage is oversized.
- Microgrids, virtual power plants and solar with battery storage seem to be the answer to power PSPS from P.G.&E. and the expected continuing fire seasons. Air cleaners and Merv 13 or higher furnace filters are needed for low income people suffering from poor air during fires.
- See response to Q#11 above. Schedule permitting, I will plan to attend the next workshop.

Page intentionally left blank for double-sided printing



## Staff Report - Item 07

---

**To:** Sonoma Clean Power Authority Community Advisory Committee

**From:** Stephanie Reynolds, Director of Internal Operations

**Issue:** Discuss Proposed Process for Nominations and Selection of a Chair and Vice Chair in Advance of Open Nominations and Vote at February Meeting

**Date:** January 21, 2021

---

### **Requested Committee Action:**

Discuss Proposed Process for Nominations and Selection of a Chair and Vice Chair in Advance of Open Nominations and Vote at February Meeting

### **Background:**

At the December Committee meeting, staff was directed to put an item on the agenda to allow for discussion on improving the process for nominations and subsequent voting in of a new Chair and Vice Chair for the committee each year.

In previous years, nominations were made at the first meeting of the year where a quorum was present, normally in January. A discussion was held at the public meeting followed by nominations and a recorded vote.