

AGENDA BOARD OF DIRECTORS MEETING THURSDAY, FEBRUARY 4, 2021 8:45 A.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 BOARD OF DIRECTORS WILL PARTICIPATE IN THE FEBRUARY 4, 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 Board of Directors Meeting may do so via the following webinar link or teleconference call-in number and meeting code:

- Webinar link: <u>https://zoom.us/j/94712985380</u>
 - Telephone number: 1 (669) 900-9128
 - Meeting ID: 947 1298 5380

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 to: **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 three hundred (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.

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

I. CALL TO ORDER

II. BOARD OF DIRECTORS CONSENT CALENDAR

- 1. Approve January 7, 2021 Draft Board of Directors Meeting Minutes (Staff Recommendation: Approve) - pg. 5
- Resolution Approving and Attesting to the Veracity of the 2019 Power Source Disclosure Annual Report for Sonoma Clean Power's CleanStart Product and EverGreen Product and the 2019 Power Content Label (Staff Recommendation: Approve) - pg. 11

III. BOARD OF DIRECTORS REGULAR CALENDAR

- 3. Appointment of Chair and Vice Chair of the Board for One-Year Terms (Staff Recommendation: Approve) pg. 39
- 4. Receive Internal Operations and Monthly Financial Report and Provide Direction as Appropriate (Staff Recommendation: Receive and File) pg. 41
- 5. Receive Legislative and Regulatory Updates and Provide Direction as Appropriate (Staff Recommendation: Receive and File) - pg. 57
- 6. Receive Staff Summary on Power Charge Indifference Adjustment and Provide Direction as Appropriate (Staff Recommendation: Receive and File) pg. 63
- 7. Receive Programs Strategic Action Plan and Provide Direction as Appropriate (Staff Recommendation: Receive and File) pg. 67
- 8. Discuss EverGreen Local Resource Public Workshop #2 and Provide Direction as Appropriate (Staff Recommendation: Receive and File) pg. 107

IV. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA

(Comments are restricted to matters within the Board jurisdiction. Please be brief and limit comments to three minutes, if spoken, or three hundred (300) words if in writing.)

V. BOARD 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 <u>meetings@sonomacleanpower.org</u> as soon as possible to ensure arrangements for accommodation.

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COMMONLY USED ACRONYMS AND TERMS

CAC	Community Advisory Committee
CAISO	California Independent Systems Operator
ССА	Community Choice Aggregation
CEC	California Energy Commission
CleanStart	SCP's standard service
СРИС	California Public Utility Commission
DER	Distributed Energy Resource
DR	Demand Response
ERRA	Energy Resource Recovery Account
EverGreen	SCP's 100% renewable, 100% local energy service
Geothermal	A locally-available, low-carbon baseload renewable resource
GHG	Greenhouse gas
GRC	General Rate Case
GridSavvy	The GridSavvy Community is SCP's demand response program which offers incentives on smart devices like electric vehicle chargers, smart thermostats, and heat pump water heaters. These devices can then be controlled via a signal to respond to grid needs.
IOU	Investor Owned Utility (e.g., PG&E)
IRP	Integrated Resource Plan
JPA	Joint Powers Authority
MW	Megawatt (Power = how fast energy is being used at one moment)
MWh	Megawatt-hour (Energy = how much energy is used over time)
NEM	Net Energy Metering
NetGreen	SCP's net energy metering program
PCIA	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&E prior to their switch.</i>)
ProFIT	SCP's "Feed in Tariff" program for larger local renewable energy producers - Fully subscribed
RA	Resource Adequacy - a required form of capacity for compliance
RPS	The Renewables Portfolio Standard (RPS) is a California regulatory program that sets continuously escalating renewable energy procurement requirements for the state's electricity suppliers. Electricity suppliers must procure a verified percentage of total electricity through RPS-certified renewable facilities.
REC	Renewable Energy Credit - process used to track renewable energy for compliance in California.
SCP	Sonoma Clean Power
του	Time of Use, used to refer to rates that differ by time of day and by season

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DRAFT MEETING MINUTES BOARD OF DIRECTORS MEETING THURSDAY, JANUARY 7, 2021 8:45 A.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 BOARD OF DIRECTORS PARTICIPATED IN THE JANUARY 7, 2021 MEETING BY TELECONFERENCE.

I. CALL TO ORDER

Chair Slayter called the meeting to order at approximately 8:47 a.m.

Board Members Present: Chair Slayter, Vice Chair Bagby, and Directors Fudge, Gjerde, Hopkins, King, Landman, and Schwartz

Staff Present: Geof Syphers, Chief Executive Officer; Mike Koszalka, Chief Operating Officer; and Harriet Steiner, Special Counsel

II. BOARD OF DIRECTORS CONSENT CALENDAR

- 1. Approve December 3, 2020 Draft Board of Directors Meeting Minutes
- 2. Authorize the Chief Executive Officer to Execute an Agreement With, and Subsequent Amendments, with Enel X North America with a Total Not-to-Exceed Amount of \$530,000 through December 31, 2021

Public Comment: None

Motion to Adopt the January 7, 2021 Consent Calendar by Director Gjerde

Second: Director King

Motion Passed by Roll Call Vote: 8-0-0 (*Director Schwartz abstained from approval of Item #1 on the Consent Calendar*)

III. BOARD OF DIRECTORS REGULAR CALENDAR

Director Harrington joined the meeting at approximately 9:01 a.m.

3. Receive Internal Operations and Monthly Financial Report and Provide Direction as Appropriate

Director of Planning & Analytics Rebecca Simonson introduced the item by noting that a 1 MW ProFit solar project outside of Petaluma, CA., became operational on December 31, 2020, and is now producing local and renewably sourced energy for EverGreen customers. Director of Programs Cordel Stillman gave an update on the SCP Headquarters project and status to date; similarly, Programs Manager Chad Asay provided a project update on the Lead Locally grant and construction progress at the Advanced Energy Center. COO Mike Koszalka then reviewed the October Monthly Financial Statements.

Director Landman expressed concern about SCP banking with Poppy Bank, noting one of its owners has sued the SCP member jurisdictions for banning natural gas from new homes. Director Landman asked staff to bring an agenda item to a future meeting to discuss SCP's investments to ensure any investments reflect SCP's goals & values as an organization; Vice Chair Bagby and Directors Fudge, Harrington, King, and Schwartz noted their support for a future item on this topic.

Public Comment: Kevin Conway spoke in support of divesting investments away from Poppy Bank.

4. Receive Legislative and Regulatory Updates and Provide Direction as Appropriate

Director of Regulatory Affairs Neal Reardon spoke on the Power Charge Indifference Adjustment proceedings, and following this, CEO Syphers gave a legislative report on select bills that are under analysis by SCP, including AB 33 (Ting), AB 64 (Quirk), SB 18 (Skinner), SB 30 (Cortese), SB 31 (Cortese), and SB 99 (Dodd).

Public Comment: None

Director Rogers joined the meeting at approximately 9:30 a.m.

5. Receive and Accept Annual Report

Director of Marketing & Public Affairs Kate Kelly presented SCP's Annual Report, which highlights SCP's accomplishments, notable events, and new programs from the 2020 calendar year.

Public Comment: None

6. Approve Reduced Generation Rates for Implementation on February 1, 2021 and Approve Conditional Rate Adjustments to Adjust Generation Rates Within Certain Guidelines through June 30, 2021

COO Koszalka 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 bills starting January 1, 2021 unless SCPA reduced its generation rates. COO Koszalka 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 remain within 5% of PG&E's bundled rates.

Director Gjerde suggested increased messaging around the adverse impacts of the increase in the PCIA fee to SCP's customers. Similarly, Directors Fudge & King stated their support for customer messaging around use of the Operating Account Fund to demonstrate the extent of SCP's efforts to maintain competitive rates; Director Landman cautioned against advertising this subject given its somewhat complex and technical nature. Vice Chair Bagby welcomed increased outreach around staff's efforts to stabilize rates despite the volatility of the PCIA, as well as upcoming contractor training opportunities and emerging technologies featured at the Advanced Energy Center.

Public Comment: None

Director Landman made a motion to:

1) Approve new rates shown in Addendum 1 to be implemented February 1st, 2021; and

2) Approve further conditional rate adjustments that respond within 30 days to PG&E rate and fee changes as follows:

a. Set SCP rates to ensure customer bills remain within 5% of bundled service bills while subsidizing rates with no more than \$6M from the Operating Account Fund through June 30, 2021.

b. If condition #2a is not met, set SCP rates such that \$6M of the Operating Account Fund is forecast to be used through June 30, 2021 and return to the Board for further direction.

Second: Director Gjerde

Motion Passed by Roll Call Vote: 10-0-0 (*The Addendum referenced in this motion is available by request from the Clerk of the Board.*)

Chair Slayter called a recess at approximately 10:27 a.m.; Chair Slayter called the meeting back to order at approximately 10:37 a.m.

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 1st. 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.

Director Hopkins noted her interest in biomass resources, especially as it relates to vegetation management and fire-risk reduction. CEO Syphers stated his support for continued examination of this resource but cautioned that additional analysis would be necessary to verify that it would deliver net benefits, noting significant public comment in opposition to biomass. Director King noted his support for increased wind resources, battery storage, and opportunities for additional solar on commercial & municipal buildings as well as in designated open spaces.

Public Comment:

Patrick Carter from the City of Petaluma spoke in support of subsidizing the EverGreen program for low-income customers to promote equity and combat the climate crisis.

Kevin Conway shared his experience as an EverGreen customer and the value of the program in ensuring 24/7 green energy.

8. Adopt a Resolution Approving the California Community Power Agency Joint Powers Agreement and Authorize the CEO to Execute this Agreement with any Minor, Nonsubstantive Modifications also Approved by SCPA's Special Counsel

CEO Syphers introduced the item by recounting previous Board and Committee meetings on the subject. He then described the scope, purpose, and current member composition of the proposed JPA for joint procurement.

Public Comment: None

Motion to Adopt a Resolution Approving the California Community Power Agency Joint Powers Agreement and Authorize the CEO to Execute this Agreement with any Minor, Nonsubstantive Modifications also Approved by SCPA's Special Counsel by Director King

Second: Director Harrington

Motion Passed by Roll Call Vote: 10-0-0

9. Receive Report on the Potential Use of Microgrids to Reduce Distribution Costs and Fire Risks in Certain Remote Areas and Delegate Authority to the CEO to Authorize PG&E to Complete a Limited Number of Pilot Projects

CEO Syphers detailed a proposed microgrid project by PG&E that could be used in-lieu of replacing fire-damaged grid infrastructure in remote areas of SCP's service territory, which potentially has a benefit of reducing fire risk and distribution charges for all ratepayers. He then noted the nuances of the proposal, as it would effectively remove customers from SCP's territory, but could serve as a model for remote microgrid projects. CEO Syphers described his support under very limited circumstances, i.e., as a project that does not establish precedents, involves direct communication with customers, and that prioritizes clean energy sources.

Chair Slayter asked staff to clarify the size of the proposes projects in MW and the type of energy sources that would be utilized; CEO Syphers stated the Board's authorization would be limited to a total of 100 MW of customer load in aggregate across all projects, and there is a strong likelihood of fossil-fuel resources for backup purposes, but he would advocate for clean energy alternatives.

Director King asked if PG&E would be able to unilaterally proceed without SCP's agreement; CEO Syphers described that this is a legal grey area, but with CPUC requirements wherein PG&E is obligated to provide power, PG&E may be able to proceed without cooperation from SCP. He also noted that SCP has an interest in ensuring these customers have power and the potential benefits in developing a microgrid pilot project.

Public Comment: Kevin Conway spoke in support of the proposed microgrid project with PG&E.

Director Schwartz left the meeting at approximately 11:47 a.m.

Motion to Delegate Authority to the CEO to Authorize PG&E to Complete a Limited Number of Microgrid Pilot Projects as Described in the Staff Report for this Item by Director Landman

Second: Vice Chair Bagby

Motion Passed by Roll Call Vote: 9-0-0

IV. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA

None

V. BOARD MEMBER ANNOUNCEMENTS

Chair Slayter encouraged efforts to sustain democratic norms.

VI. ADJOURN

Chair Slayter adjourned the meeting at approximately 12:02 p.m.

Sonoma Clean Power

Staff Report - Item 02

To: Sonoma Clean Power Authority Board of Directors From: Carole Hakstian, Risk and Regulatory Compliance Officer Issue: Adopt Resolution Attesting to the Accuracy of Sonoma Clean Power's 2019 Power Source Disclosure Annual Report for CleanStart and EverGreen Products and the 2019 Power Content Label

Date: February 4, 2021

Recommendation:

Staff recommends that the Sonoma Clean Power Authority ("SCP") Board of Directors ("Board") adopt a resolution approving the 2019 Power Source Disclosure ("PSD") Annual Report for SCP's CleanStart and EverGreen products and SCP's 2019 Power Content Label and attest to its veracity. The resolution is attached to this staff report as Attachment A and the 2019 Power Source Disclosure Annual Reports are shown as Exhibit 1, Exhibit 2 and the 2019 Power Content Label is shown as Exhibit 3.

NOTE: A very similar resolution was adopted by the Board on December 3, 2020, but staff found an omission in that resolution. This new resolution corrects the error by adding language attesting to the veracity of SCP's Power Content Label.

Background:

The California Public Utilities Code requires all retail sellers of electric energy, including SCP, to disclose "accurate, reliable, and simple-to-understand information on the sources of energy" that are delivered to their respective customers each year. SCP submitted its 2019 Annual Power Source Disclosure Annual Reports (Exhibit 1 and Exhibit 2) on July 14, 2020, which includes specified power purchases, resales, and self-consumption of energy by fuel type. Information from SCP's 2019 Annual Power Source Disclosure Annual Report is included in SCP's annual Power Content Label. The Power Content Label is mailed to SCP customers and posted on both SCP's and the California Energy Commission's ("CEC") websites.

Beginning in 2017, the CEC required retail sellers of electricity to provide the CEC with an independent audit report verifying the specific purchases, resales and self consumption of energy by fuel type for each electricity product offered to utility customers. However, if the retail supplier is a public agency offering more than one product, then the agency's Board was permitted to approve the accuracy of one of its product's PSD Annual Reports. In the past, SCP engaged an independent auditor to verify the accuracy of the data reported in the Annual Report submitted to the CEC for the EverGreen product and SCP's Board attested to the veracity of the Annual Report for the CleanStart product. In May 2020, the CEC modified its auditing and verification regulations governing the PSD Program. Beginning with data reported in 2019, the CEC now allows an agency's Board to attest to the veracity of each product's Annual Report and Power Content Label.

Discussion:

Staff recommends that the Board adopt a resolution approving SCP's 2019 PSD Annual Report for SCP's CleanStart and EverGreen products and SCP's 2019 Power Content Label and attest to the veracity of the data in the Annual Reports and the Power Content Label. Adoption of the attached resolution as recommended by staff enables SCP to comply with the CEC regulation implementing SB 1305 (California Code of Regulations, Title 20, Article 5, Sections 1390 to 1394).

During the 2019 calendar year, SCP provided CleanStart customers with an energy supply including 50% RPS eligible renewable energy from geothermal, solar and wind facilities. For EverGreen customers, SCP provided 100% renewable energy to participating customers including 74% purchased from geothermal sources and 26% purchased from solar sources. While preparing SCP's 2019 PSD Annual Reports for CleanStart and EverGreen, staff performed a detailed review of all power purchases completed for the 2019 calendar year. This review included an inventory of all renewable energy transfers within SCP's Western Renewable Energy Generation Information System (WREGIS) accounts and pertinent transaction records. Based on staff's review of available data, the information presented in the PSD Annual Reports and the Power Content Label is determined to be accurate.

Fiscal Impact

Adoption of the Resolution will not result in any financial impact to SCP.

Attachments

- Attachment A Resolution Approving SCP 2019 Power Source Disclosure Annual Report for CleanStart and EverGreen Products and SCP 2019 Power Content Label
- Exhibit 1 -SCP 2019 Power Source Disclosure Annual Report for CleanStart
- > Exhibit 2 -SCP 2019 Power Source Disclosure Annual Report for EverGreen
- Exhibit 3 -SCP 2019 Power Content Label

Attachment A

[NOT YET ADOPTED]

RESOLUTION NO. 2021 - XX

RESOLUTION OF THE BOARD OF DIRECTORS OF THE SONOMA CLEAN POWER AUTHORITY APPROVING AND ATTESTING TO THE VERACITY OF THE 2019 POWER SOURCE DISCLOSURE ANNUAL REPORT FOR SONOMA CLEAN POWER'S CLEANSTART PRODUCT AND EVERGREEN PRODUCT AND POWER CONTENT LABEL

WHEREAS, Senate Bill 1305 was adopted in 1997, establishing an Electricity Generation Source Disclosure Program, ("Power Source Disclosure Program"), which requires retail suppliers of electricity to annually submit a Power Source Disclosure Report to the California Energy Commission.

WHEREAS, Sonoma Clean Power Authority is a retail supplier of electricity as defined by the Power Source Disclosure Program (Ca. Code of Regs., Title 20, Section 1391(r)).

WHEREAS, the Power Source Disclosure Regulation was updated effective May 4, 2020 allowing the board of directors of a public agency providing electric services to approve, at a public meeting, the submission to the California Energy Commission of an attestation of the veracity of each product's 2019 Power Source Disclosure Annual Report and 2019 Power Content Label, attached hereto as Exhibit 1, Exhibit 2 and Exhibit 3.

WHEREAS, the Board held a public meeting on December 3, 2020 and considered and approved the Power Source Disclosure Annual Report for the CleanStart Product and the EverGreen Product and;

WHEREAS, pursuant to the current California Energy Commission regulations, 20 California Code of Regulations section 1394.2, the Board is required to attest to the veracity of the 2019 Power Content Label;

WHEREAS, THE Board desires to again attest to the veracity of the 2019 Power Source Disclosure Annual Report for the CleanStart Product and the EverGreen Product and to the 2019 Power Content Label so that all the required statements and attestations required by section 1394.2 are contained in one resolution;

NOW, THEREFORE BE IT RESOLVED, the Board of Directors of the Sonoma Clean Power Authority hereby:

Section 1. Approves the submission and attests to the veracity of the attached 2019 Power Source Disclosure Annual Report for Sonoma Clean Power Authority's CleanStart Product (Exhibit 1) and Sonoma Clean Power Authority's EverGreen Product (Exhibit 2) and 2019 Power Content Label (Exhibit 3).

[SIGNATURES APPEAR ON FOLLOWING PAGE]

DULY ADOPTED this 4th day of February 2021

NAME	AYE	NO	ABSTAIN/ ABSENT
Director Bagby			
Director Landman			
Director Gjerde			
Director Hopkins			
Director King			
Director Strong			
Director Elward			
Director Rogers			
Director Slayter			
Director Harrington			
Director Fudge			
	NAMEDirector BagbyDirector LandmanDirector GjerdeDirector HopkinsDirector KingDirector StrongDirector ElwardDirector RogersDirector SlayterDirector Fudge	NAMEAYEDirector BagbyDirector LandmanDirector GjerdeDirector HopkinsDirector KingDirector StrongDirector ElwardDirector RogersDirector SlayterDirector Fudge	NAMEAYENODirector BagbyDirector LandmanDirector GjerdeDirector HopkinsDirector KingDirector StrongDirector ElwardDirector RogersDirector SlayterDirector Fudge

In alphabetical order by jurisdiction

Chair, Sonoma Clean Power Authority

Attest:

Clerk of the Board

APPROVED AS TO FORM:

Special Counsel, Sonoma Clean Power Authority



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure

Exhibit #1

For the Year Ending December 31, 2019

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

GENERAL INSTRUCTIONS

RETAIL SUPPLIER NAME Sonoma Clean Power Authority

ELECTRICITY PORTFOLIO NAME

CleanStart

CONTACT INFORMATION

Name	Deb Emerson
Title	Director of Power Services
Mailing Address	50 Santa Rosa Ave, 5th Floor
City, State, Zip	Santa Rosa, CA 95404
City, State, Zip	Santa Rosa, CA 95404
City, State, Zip Phone	Santa Rosa, CA 95404 (707) 978-3469

Website URL for PCL Posting

https://sonomacleanpower.org/

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to PSDprogram@energy.ca.gov. Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office.

If you have questions, contact Power Source Disclosure (PSD) staff at PSDprogram@energy.ca.gov or (916) 654-3954.



INTRODUCTION

Retail suppliers are required to submit separate Annual Reports for each electricity portfolio offered to California retail consumers in the previous calendar year. Enter the Retail Supplier Name and Electricity Portfolio Name at the top of Schedule 1, Schedule 2, Schedule 3, and the Attestation.

A complete Annual Report includes the following tabs:

PSD Intro
Instructions
Schedule 1 - Procurements and Retail Sales
Schedule 2 - Retired Unbundled Renewable Energy Credits (RECs)
Schedule 3 - Annual Power Content Label Data
Asset-Controlling Supplier (ACS) Procurement Calculator
PSD Attestation

INSTRUCTIONS

Schedule 1: Procurements and Retail Sales

Retail suppliers of electricity must complete this schedule by entering information about all power procurements and generation that served the identified electricity portfolio covered in this filing in the prior year. The schedule is divided into sections: directly delivered renewables, firmed-and-shaped imports, specified non-renewables, and procurements from ACSs. Insert additional rows as needed to report all procurements or generation serving the subject product. Provide the annual retail sales for the subject product in the appropriate space. At the bottom of Schedule 1, provide the retail suppliers' other electricity end-uses that are not retail sales, such as transmission and distribution losses. Any retail supplier that offered multiple electricity portfolios in the prior year must submit separate Annual Reports for each portfolio offered.

Specified Purchases: A Specified Purchase refers to a transaction in which electricity is traceable to specific generating facilities by any auditable contract trail or equivalent, such as a tradable commodity system, that provides commercial verification that the electricity claimed has been sold once and only once to retail consumers. For specified purchases, include the following information for each line item:

Facility Name - Provide the name used to identify the facility.

Fuel Type - Provide the resource type (solar, natural gas, etc.) that this facility uses to generate electricity. **Location** - Provide the state or province in which the facility is located.

Identification Numbers - Provide all applicable identification numbers from the Western Renewable Energy Generation Information System (WREGIS), the Energy Information Agency (EIA), and the California Renewables Portfolio Standard (RPS).

Gross Megawatt Hours Procured - Provide the quantity of electricity procured in MWh from the generating facility. **Megawatt Hours Resold** - Provide the quantity of electricity resold at wholesale.

Net Megawatt Hours Procured - The Schedule automatically calculates the quantity of electricity procured minus resold electricity.

<u>Unspecified Power</u>: Unspecified Power refers to electricity that is not traceable to specific generation sources by any auditable contract trail or equivalent, or to power purchases from a transaction that expressly transferred energy only and not the RECs associated from a facility. Do not enter procurements of unspecified power. The schedule will calculate unspecified power procurements automatically.

Schedule 2: Retired Unbundled RECs

Complete this schedule by entering information about unbundled REC retirements in the previous calendar year. Unbundled RECs will be automatically displayed on Schedule 3 as a percentage of retail sales.

Schedule 3: Annual Power Content Label Data



This schedule is provided as an automated worksheet that uses the information from Schedule 1 to calculate the power content, or resource mix, for each electricity portfolio. The percentages calculated on this worksheet should be used for your Power Content Label.

ACS Resource Mix Calculator

Retail suppliers may report specified purchases from ACS system power if the ACS provided its fuel mix of its specified system mix to the Energy Commission. Use the calculator to determine the resource-specific procurement quantities, and transfer them to Schedule 1.

Attestation

This template provides the attestation that must be submitted with the Annual Report to the Energy Commission, stating that the information contained in the applicable schedules is correct and that the power has been sold once and only once to retail consumers. This attestation must be included in the package that is transmitted to the Energy Commission. Please provide the complete Annual Report in Excel format and the complete Annual Report with signed attestation in PDF format as well.



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure SCHEDULE 1: PROCUREMENTS AND RETAIL SALES For the Year Ending December 31, 2019 Sonoma Clean Power Authtority CleanStart

Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out. For firmed-and-shaped imports, provide the EIA ID of the substitute power, not the generator ID of the RECs. For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "unspecified", "BPA," "Powerex,", or "Tacoma" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell L9. Unbundled RECs must not be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

Retail Sales (MWh)	2 240 540
Net Specified Procurement (MWh)	2,268,418
Unspecified Power (MWh)	72,131
Procurement to be adjusted	-
Net Natural Gas	-
Net Coal & Other Fossil Fuels	-
Net Nuclear, Large Hydro & Renewables	2 268 418

DIRECTLY DELIVERED RENEWABLES

		_								Adjusted Net	
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	N/A		Gross MWh Procured	MWh Resold	Net MWh Procured	MWh Procured	N/A
Gevsers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60025	1.// X	286	96.253		96.253	96.253	
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60004		286	22,694		22,694	22,694	
Geysers Power Plant - Calpine Geothermal Unit 13	Geothermal	CA	W121	60005		286	12,648		12,648	12,648	
Geysers Power Plant - Calpine Geothermal Unit 14	Geothermal	CA	W122	60026		286	67,814		67,814	67,814	
Geysers Power Plant - Calpine Geothermal Unit 17	Geothermal	CA	W124	60007		286	22,677		22,677	22,677	
Geysers Power Plant - Calpine Geothermal Unit 18	Geothermal	CA	W125	60008		286	6,010		6,010	6,010	
Geysers Power Plant - Calpine Geothermal Unit 20	Geothermal	CA	W126	60009		286	18,542		18,542	18,542	
Geysers Power Plant - Calpine Geothermal Unit 5/6	Geothermal	CA	W117	60002		286	72,864		72,864	72,864	
Geysers Power Plant - Calpine Geothermal Unit 7-8	Geothermal	CA	W118	60003		286	90,715		90,715	90,715	
Golden Hills C - Golden Hills C	Wind	CA	W5695	63115		60049	170,121		170,121	170,121	
Mount Signal Solar 2 - Mount Signal Solar 2	Solar	CA	W7762	61648		61353	35,000		35,000	35,000	
RE Mustang - Mustang	Solar	CA	W4812	61261		59150	75,877	15,000	60,877	60,877	
RE Mustang 3 - Mustang 3	Solar	CA	W4814	62862			94,935	10,000	84,935	84,935	
									-	-	
									-	-	
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FIRMED-AND-SHAPED IMPORTS EIA ID of EIA ID of Adjusted Net Eligible for MWh Grandfathered REC Substitute Gross MWh Net MWh State or **Facility Name** Fuel Type Province WREGIS ID RPS ID Source Power Procured MWh Resold Procured Procured Emissions? Cape Scott Wind - Cape Scott Wind Wind BC W3959 60600 25,707 25,707 25,707 Yes 0 Cedar Creek - Cedar Creek Wind СО W892 60822 56371 0 63,963 63,963 Yes 63,963 Dokie Wind - Dokie Wind Wind BC W1992 61360 0 14.919 14.919 14,919 Yes Elkhorn Valley Wind Farm - Elkhorn Valley Wind Farm Wind OR W186 61034 56623 0 1.913 1,913 1,913 Yes СО Logan Wind Energy - Logan Wind W893 60817 56613 0 40,609 40,609 40,609 Yes Meikle Wind - Meikle Wind Wind BC W5189 63268 94,129 94,129 94,129 Yes 0 Peetz Table Wind Energy - Peetz Table Wind СО W894 60816 56563 0 18,515 18,515 18,515 Yes BC Quality Wind - Quality Wind Wind W3160 62247 0 48.074 48.074 48.074 Yes White Creek Wind 1 - White Creek Wind WA W360 60721 56487 0 108.933 108,933 108,933 Yes -----SPECIFIED NON-RENEWABLE PROCUREMENTS Adjusted Net State or Gross MWh Net MWh MWh Facility Name Fuel Type Province N/A N/A N/A EIA ID Procured MWh Resold Procured Procured N/A Kerr Hydro WA 500014 5,128 5,128 Large hydro 5,128 Boundary Hydroelectric Units Large hydro WA 500043 46 46 46 318,508 180,000 138,508 138,508 Middle Fork/Ralston Large hydro CA 427 & 425 GCPD, Priest Rapids & Wanapum Hydroelectric Project Large hydro WA 3887 & 3888 704,015 704,015 704,015 Little Falls WA 278 Large hydro 3866 278 278 Long Lake WA 510105 70,715 70,715 70,715 Large hydro WA 3847 10.664 10.664 10.664 Merwin Dam Large hydro Noxon Rapids MT 23,756 Large hydro 2199 23,756 23,756 Wells Large hydro WA 67,319 67,319 67,319 3886 ID 833 5,251 5,251 5,251 Cabinet Gorge Large hydro ------PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS Adjusted Net Gross MWh Net MWh MWh N/A EIA ID Facility Name Fuel Type N/A N/A N/A Procured MWh Resold Procured Procured N/A Bonneville Power Administration 55,102 Large hydro 300001 55,102 Bonneville Power Administration Nuclear 300001 7.131 7,131 Bonneville Power Administration Unspecified Power 300001 2,593 2,593 --_ --



					-	

END USES OTHER THAN RETAIL SALES	MWh

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure SCHEDULE 2: PRORCUREMENTS AND RETAIL SALES For the Year Ending December 31, 2019 (RETAIL SUPPLIER NAME) (ELECTRIC SERVICE PRODUCT NAME)

INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. Insert additional rows as needed. All fields in white should be filled out. Fields in grey autopopulate as needed and should not be filled out.

									Total Unbu	Indled RECs	-
				RETIR	ED UNBUND	LED RECS					
Facility Name	Fuel Type	Location (State or Province)	RPS ID	N/A	N/A	Total Retired (in MWh)	N/A	N/A	N/A	N/A	N/A
		-							-		
		-									
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ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA for the year ending December 31, 2019 Sonoma Clean Power Authority CleanStart

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	1,177,912	50.3%
Biomass & Biowaste	-	0.0%
Geothermal	410,217	17.5%
Eligible Hydroelectric	-	0.0%
Solar	180,812	7.7%
Wind	586,883	25.1%
Coal	-	0.0%
Large Hydroelectric	1,080,782	46.2%
Natural gas	-	0.0%
Nuclear	7,131	0.3%
Other	-	0.0%
Unspecified Power	74,724	3.2%
Total	2,340,549	100.0%

Total Retail Sales (MWh)

2,340,549

Percentage of Retail Sales Covered by Retired	0.00/
Unbundled RECs	0.0%



ASSET CONTROLLING SUPPLIER RESOURCE MIX CALCULATOR

Instructions: Enter total net specified procurement of ACS system resources into cell A8, A23, or A38. In Column E, the calculator will determine quantities of resource-specific net procurement for entry on Schedule 1.

		Powerex		
			Resource Mix	Resource-Specific
Net MWH Procured	N/A	Resource Type	Factors	Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-
		Coal		-
		Large hydroelectric	0.915	-
		Natural gas	0.013	-
		Nuclear	0.006	-
		Other	0.032	-
		Unspecified Power	0.034	-

Bonneville Power Administration									
			Resource Mix	Resource-Specific					
Net MWH Procured	N/A	Resource Type	Factors	Procurements from ACS					
64,826		Biomass & biowaste		-					
		Geothermal		-					
		Eligible hydroelectric		-					
		Solar		-					
		Wind		-					
		Coal		-					
		Large hydroelectric	0.85	55,102					
		Natural gas		-					
		Nuclear	0.11	7,131					
		Other		-					
		Unspecified Power	0.04	2,593					

		Tacoma Power		
			Resource Mix	Resource-Specific
Net MWH Procured N	N/A	Resource Type	Factors	Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-
		Coal		-
		Large hydroelectric	0.896	-
		Natural gas		-
		Nuclear	0.064	-
		Other		-
		Unspecified Power	0.04	-



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure ATTESTATION FORM for the year ending December 31, 2019 Sonoma Clean Power Authority CleanStart

I, Geof Syphers, Chief Executive Officer, declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of Sonoma Clean Power Authority, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.

Name: Geof Syphers

Representing (Retail Supplier): Sonoma Clean Power Authority

Signature:

Dated: July 14, 2020

Executed at: Santa Rosa, CA



Exhibit #2

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure For the Year Ending December 31, 2019

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

GENERAL INSTRUCTIONS

RETAIL SUPPLIER NAME Sonoma Clean Power Authority

ELECTRICITY PORTFOLIO NAME

EverGreen

CONTACT INFORMATION

Namo	Dob Emorson
Name	Deb Ellieisoli
l itle	Director of Power Services
Mailing Address	50 Santa Rosa Ave, 5th Floor
City, State, Zip	Santa Rosa, CA 95404
Phone	(707) 978-3469
E-mail	demerson@sonomacleanpower.org
Website URL for PCL	
Posting	https://sonomacleanpower.org

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to PSDprogram@energy.ca.gov. Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office.

If you have questions, contact Power Source Disclosure (PSD) staff at PSDprogram@energy.ca.gov or (916) 654-3954.



INTRODUCTION

Retail suppliers are required to submit separate Annual Reports for each electricity portfolio offered to California retail consumers in the previous calendar year. Enter the Retail Supplier Name and Electricity Portfolio Name at the top of Schedule 1, Schedule 2, Schedule 3, and the Attestation.

A complete Annual Report includes the following tabs:

PSD Intro
Instructions
Schedule 1 - Procurements and Retail Sales
Schedule 2 - Retired Unbundled Renewable Energy Credits (RECs)
Schedule 3 - Annual Power Content Label Data
Asset-Controlling Supplier (ACS) Procurement Calculator
PSD Attestation

INSTRUCTIONS

Schedule 1: Procurements and Retail Sales

Retail suppliers of electricity must complete this schedule by entering information about all power procurements and generation that served the identified electricity portfolio covered in this filing in the prior year. The schedule is divided into sections: directly delivered renewables, firmed-and-shaped imports, specified non-renewables, and procurements from ACSs. Insert additional rows as needed to report all procurements or generation serving the subject product. Provide the annual retail sales for the subject product in the appropriate space. At the bottom of Schedule 1, provide the retail suppliers' other electricity end-uses that are not retail sales, such as transmission and distribution losses. Any retail supplier that offered multiple electricity portfolios in the prior year must submit separate Annual Reports for each portfolio offered.

Specified Purchases: A Specified Purchase refers to a transaction in which electricity is traceable to specific generating facilities by any auditable contract trail or equivalent, such as a tradable commodity system, that provides commercial verification that the electricity claimed has been sold once and only once to retail consumers. For specified purchases, include the following information for each line item:

Facility Name - Provide the name used to identify the facility.

Fuel Type - Provide the resource type (solar, natural gas, etc.) that this facility uses to generate electricity. **Location** - Provide the state or province in which the facility is located.

Identification Numbers - Provide all applicable identification numbers from the Western Renewable Energy Generation Information System (WREGIS), the Energy Information Agency (EIA), and the California Renewables Portfolio Standard (RPS).

Gross Megawatt Hours Procured - Provide the quantity of electricity procured in MWh from the generating facility. **Megawatt Hours Resold** - Provide the quantity of electricity resold at wholesale.

Net Megawatt Hours Procured - The Schedule automatically calculates the quantity of electricity procured minus resold electricity.

<u>Unspecified Power</u>: Unspecified Power refers to electricity that is not traceable to specific generation sources by any auditable contract trail or equivalent, or to power purchases from a transaction that expressly transferred energy only and not the RECs associated from a facility. Do not enter procurements of unspecified power. The schedule will calculate unspecified power procurements automatically.

Schedule 2: Retired Unbundled RECs

Complete this schedule by entering information about unbundled REC retirements in the previous calendar year. Unbundled RECs will be automatically displayed on Schedule 3 as a percentage of retail sales.

Schedule 3: Annual Power Content Label Data



This schedule is provided as an automated worksheet that uses the information from Schedule 1 to calculate the power content, or resource mix, for each electricity portfolio. The percentages calculated on this worksheet should be used for your Power Content Label.

ACS Resource Mix Calculator

Retail suppliers may report specified purchases from ACS system power if the ACS provided its fuel mix of its specified system mix to the Energy Commission. Use the calculator to determine the resource-specific procurement quantities, and transfer them to Schedule 1.

Attestation

This template provides the attestation that must be submitted with the Annual Report to the Energy Commission, stating that the information contained in the applicable schedules is correct and that the power has been sold once and only once to retail consumers. This attestation must be included in the package that is transmitted to the Energy Commission. Please provide the complete Annual Report in Excel format and the complete Annual Report with signed attestation in PDF format as well.

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure SCHEDULE 1: PROCUREMENTS AND RETAIL SALES For the Year Ending December 31, 2019 Sonoma Clean Power Authority EverGreen

Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out. For firmed-and-shaped imports, provide the EIA ID of the substitute power, not the generator ID of the RECs. For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "unspecified", "BPA," "Powerex,", or "Tacoma" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell L9. Unbundled RECs must not be entered on Schedule 1; these products must be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

Retail Sales (MWh)	19,872
Net Specified Procurement (MWh)	19,872
Unspecified Power (MWh)	-
Procurement to be adjusted	-
Net Natural Gas	-
let Coal & Other Fossil Fuels	-
Net Nuclear, Large Hydro & Renewables	19,872

DIRECTLY DELIVERED RENEWABLES

		State or					Gross MWh		Net MWh	Adjusted Net MWh	
Facility Name	Fuel Type	Province	WREGIS ID	RPS ID	N/A	EIA ID	Procured	MWh Resold	Procured	Procured	N/A
Enerparc CA5 - Cloverdale Solar Center	Solar	CA	W4927	62856		60496	1,289		1,289	1,289	
Geysers Power Plant - Calpine Geothermal Unit 1	Geothermal	CA	W119	60025		286	14,778		14,778	14,778	
IP Malbec Solar - IP Malbec Solar	Solar	CA	W8880	63758			153		153	153	
Lavio Solar, LLC - Lavio Solar, LLC	Solar	CA	W7030	63702		61417	1,932		1,932	1,932	
Stage Gulch Solar, LLC - Stage Gulch Solar, LLC	Solar	CA	W7031	63703		61418	1,720		1,720	1,720	
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		01-1			EIA ID of					Adjusted Net	Eligible for
	Evel Town	State or			REC	Substitute	Gross www		Net wwn	Nivvn	Grandfathered
Facility Name	FuerType	Province	WREGIS ID	RPS ID	Source	Power	Procured	WWN Resold	Procured	Procured	Emissions?
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		State or					Gross MWh		Net MWh	MWh	
Facility Name	Fuel Type	Province	N/A	N/A	N/A	EIA ID	Procured	MWh Resold	Procured	Procured	N/A
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		PROCUF	REMENTS FR	OM ASSET	CONTROLL	ING SUPPLI	ĒRS		-	- - - Adjusted N <u>et</u>	
		PROCUF	EMENTS FR	OM ASSET·	CONTROLL	ING SUPPLI	ERS Gross MWh		- - - Net MWh	- - - Adjusted Net MWh	
Facility Name	Fuel Type	PROCUF	REMENTS FR	OM ASSET	CONTROLL	ing supplii Eia id	ERS Gross MWh Procured	MWh Resold	- - Net MWh Procured	- - - Adjusted Net MWh Procured	N/A
Facility Name	Fuel Type	PROCUF N/A	REMENTS FR	OM ASSET· N/A	CONTROLL N/A	ing supplii Eia id	ERS Gross MWh Procured	MWh Resold	- - Net MWh Procured	- - - Adjusted Net MWh Procured -	N/A
Facility Name	Fuel Type	PROCUF N/A	REMENTS FR	OM ASSET-	CONTROLL N/A	ing supplii Eia id	ERS Gross MWh Procured	MWh Resold	- - - Net MWh Procured	- - Adjusted Net MWh Procured -	N/A
Facility Name	Fuel Type	PROCUF N/A	REMENTS FR	OM ASSET-	CONTROLL N/A	ING SUPPLII EIA ID	Gross MWh Procured	MWh Resold	- - - Net MWh Procured	Adjusted Net MWh Procured - - -	N/A
Facility Name	Fuel Type	PROCUF N/A	REMENTS FR	OM ASSET-	CONTROLL N/A	ING SUPPLI	Gross MWh Procured	MWh Resold	- - - - - - - - - - -	- - - - - - - - - - - - - - - - -	N/A
Facility Name	Fuel Type	PROCUF N/A	REMENTS FR	OM ASSET-	CONTROLL N/A	EIA ID	ERS Gross MWh Procured	MWh Resold	- - - - - - - - - - - -	Adjusted Net MWh Procured - - - - - - - - -	N/A



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END USES OTHER THAN RETAIL SALES	MWh

ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure SCHEDULE 2: PRORCUREMENTS AND RETAIL SALES For the Year Ending December 31, 2019 (RETAIL SUPPLIER NAME) (ELECTRIC SERVICE PRODUCT NAME)

INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. Insert additional rows as needed. All fields in white should be filled out. Fields in grey autopopulate as needed and should not be filled out.

									Total Unbu	Indled RECs	-
				RETIR	ED UNBUND	LED RECS					
Facility Name	Fuel Type	Location (State or Province)	RPS ID	N/A	N/A	Total Retired (in MWh)	N/A	N/A	N/A	N/A	N/A
		-							-		
		-									
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ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA for the year ending December 31, 2019 Sonoma Clean Power Authority EverGreen

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	19,872	100.0%
Biomass & Biowaste	-	0.0%
Geothermal	14,778	74.4%
Eligible Hydroelectric	-	0.0%
Solar	5,094	25.6%
Wind	-	0.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	19,872	100.0%

Total Retail Sales (MWh)

19,872

Percentage of Retail Sales Covered by Retired	0.0%
Unbundled RECs	0.0%



ASSET CONTROLLING SUPPLIER RESOURCE MIX CALCULATOR

Instructions: Enter total net specified procurement of ACS system resources into cell A8, A23, or A38. In Column E, the calculator will determine quantities of resource-specific net procurement for entry on Schedule 1.

Powerex							
			Resource Mix	Resource-Specific			
Net MWH Procured	N/A	Resource Type	Factors	Procurements from ACS			
		Biomass & biowaste		-			
		Geothermal		-			
		Eligible hydroelectric		-			
		Solar		-			
		Wind		-			
		Coal		-			
		Large hydroelectric	0.915	-			
		Natural gas	0.013	-			
		Nuclear	0.006	-			
		Other	0.032	-			
		Unspecified Power	0.034	-			

Bonneville Power Administration							
			Resource Mix	Resource-Specific			
Net MWH Procured	N/A	Resource Type	Factors	Procurements from ACS			
		Biomass & biowaste		-			
		Geothermal		-			
		Eligible hydroelectric		-			
		Solar		-			
		Wind		-			
		Coal		-			
		Large hydroelectric	0.85	-			
		Natural gas		-			
		Nuclear	0.11	-			
		Other		-			
		Unspecified Power	0.04	-			

Tacoma Power						
			Resource Mix	Resource-Specific		
Net MWH Procured	N/A	Resource Type	Factors	Procurements from ACS		
		Biomass & biowaste		-		
		Geothermal		-		
		Eligible hydroelectric		-		
		Solar		-		
		Wind		-		
		Coal		-		
		Large hydroelectric	0.896	-		
		Natural gas		-		
		Nuclear	0.064	-		
		Other		-		
		Unspecified Power	0.04	-		



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure ATTESTATION FORM for the year ending December 31, 2019 Sonoma Clean Power Authority EverGreen

I, Geof Syphers, Chief Executive Officer, declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of Sonoma Clean Power Authority, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.

Name: Geof Syphers

Representing (Retail Supplier): Sonoma Clean Power Authority

Signature:

Dated: July 14, 2020

Executed at: Santa Rosa, CA
Version: October 2020

2019 POWER CONTENT LABEL				
Sonoma Clean Power Authority				
sonomacleanpower.org				
ENERGY RESOURCES	SCP CleanStart	SCP EverGreen	2019 CA Power Mix	
Eligible Renewable ¹	50.3%	100.0%	31.7%	
Biomass & Biowaste	0.0%	0.0%	2.4%	
Geothermal	17.5%	74.4%	4.8%	
Eligible Hydroelectric	0.0%	0.0%	2.0%	
Solar	7.7%	25.6%	12.3%	
Wind	25.1%	0.0%	10.2%	
Coal	0.0%	0.0%	3.0%	
Large Hydroelectric	46.2%	0.0%	14.6%	
Natural Gas	0.0%	0.0%	34.2%	
Nuclear	0.3%	0.0%	9.0%	
Other	0.0%	0.0%	0.2%	
Unspecified sources of power ²	3.2%	0.0%	7.3%	
TOTAL	100%	100% 100%		
Percentage of Retail Sales				
Covered by Retired Unbundled	0.0%	0.0%		
RECs ³				
¹ The eligible renewable percent	age above does no	t reflect RPS comp	liance, which is	
determine	d using a different r	nethodology.		
² Unspecified power is electricity that	at has been purcha	sed through open m	narket transactions	
and is not trace	eable to a specific g	eneration source.		
³ Renewable energy credits (R	ECs) are tracking i	nstruments issued f	for renewable	
generation. Unbundled renewable	energy credits (RE	Cs) represent rene	wable generation	
that was not delivered to serve retain	ail sales. Unbundled	d RECs are not refl	ected in the power	
mix or GH	HG emissions intens	sities above.	-	
For specific information about this	Sonom	a Clean Power Au	Ithority	
electricity product, contact:		(855) 202-2139		
For general information about the				
Power Content Label, please visit:	<u>http://</u>	/www.energy.ca.go	ov/pcl/	
For additional questions, please	Toll from	in California: 844	154 2006	
contact the California Energy		ni California: 044-4	10-1-2300 2 0227	
Commission at:	Ouiside	- Camornia. 910-03	03-0231	

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Staff Report - Item 03

To: Sonoma Clean Power Authority Board of Directors

From: Stephanie Reynolds, Director of Internal Operations

Issue: Appointment of Chair and Vice Chair of the Board for One-Year Terms

Date: February 4, 2021

Requested Board Action:

Nominate and approve the appointments of Chair and Vice Chair of the Sonoma Clean Power Authority Board of Directors for 2021.

Background:

There are no written materials for this item.

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Staff Report - Item 04

То:	Sonoma Clean Power Authority Board of Directors
From:	Stephanie Reynolds, Director of Internal Operations Mike Koszalka, Chief Operating Officer
lssue:	Receive Internal Operations and Monthly Financial Report and Provide Direction as Appropriate
Date:	February 4, 2021

COVID-19 IMPACTS TO SCP

No significant update from last month's report. Staff will be coming back to the Board next month with a proposed MWh sales, revenue and budget forecast update for the remainder of the fiscal year.

No change in the status of the office. It remains closed.

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 is currently being replaced. Interior work has proceeded with initial painting.

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. 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: <u>www.sonomacleanpower.org/programs/sgipassistance</u>.

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.

Territory	СОМВО	DCFC	L2	Grand Total
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
Grand Total	9	6	14	29

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 F	DCFC Funding		L2 Funding		L2 Funding	
county	CEC	SCP	CEC	SCP	NSCAPCD		
Mendocino	\$ -	\$300,000	\$300,000	\$150,000	\$ -		
Sonoma	\$3,300,000	\$ -	\$1,500,000	\$1,050,000	\$150,000		
	\$3,300,000	\$300,000	\$1,800,000	\$1,200,000	\$150,000		
	\$3,600),000	\$3,150,000				

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

Advanced Energy Center Update

Construction

Although all interior finishes & construction cleanup is expected to be completed soon, the project to replace the building's 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 4th. 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 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 public webinar on EV (Electric Vehicles) 101.

Upcoming events we will be hosting virtually:

<u>Smart and Efficient, Electric Water Heating for Homes: Everything You Need to</u> <u>Know</u>

• Tuesday, February 2, 2021, 3-4pm (<u>link</u>)

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

• Thursday, February 4, 2021, 12-1pm (<u>link</u>)

Battery Storage Basics: Building Resiliency

• Thursday, February 9, 2021, 12-1pm (<u>link</u>)

The team will soon schedule contractor certification courses for February. A calendar of all events can be found on the Sonoma Clean Power website <u>HERE</u>.

PERMITTING OLYMPICS

In September 2020, Governor Newsom signed Executive Order N-79-20 setting a target that 100 percent of in-state sales of new passenger vehicles will be zeroemission by 2035. To help meet the challenge, the Governor's Office of Business (GO-Biz) launched the Permitting Olympics to streamline zero emission vehicle infrastructure permitting. The first competition focused on streamlining permits for electric vehicle charging stations as required by AB 1236.

Like the real Olympics, medals were awarded to counties that streamlined permitting. The medals are based on the percent of jurisdictions within that county that had complied with AB 1236.

- Gold = 100% of the jurisdictions in compliance
- Silver = 75% of the jurisdictions in compliance
- Bronze = 50% of the jurisdictions in compliance.

Drumroll... Sonoma County took home Bronze!

Permitti	ng Olympics: Streamlined	Counties			
Gold:	Silver:	Bronze:			
Alpine County	Alameda County	Marin County			
San Francisco City and County	Napa County	Sacramento County			
Tuolumne County	San Luis Obispo County	Sonoma County			
	Santa Barbara County				

If you recall, in September 2020, SCP sent the City Managers of out of compliance jurisdictions a letter with resources to example ordinances and checklists. The Regional Climate Protection Authority is working with Sonoma County and the cities of Santa Rosa, Cloverdale and Petaluma to streamline permitting and publish their checklist in order to achieve Gold by Earth Day! All other jurisdictions in Sonoma County have streamlined.

GO-Biz has developed the <u>Permit Streamlining Map</u>, <u>Permit Scorecard</u>, and <u>Best</u> <u>Practices</u> to help jurisdictions streamline.

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-todate 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 that 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:

Community Advisory Committee - February 18, 2021

Board of Directors - March 4, 2021

Community Advisory Committee - March 18, 2021

Board of Directors - April 1, 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.

Maber Accountancy

San Rafael, CA December 28, 2020

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

			2020/21 YTD				
	2020-21 YTD Budget	2020/21 YTD Actual	Budget Variance (Under) Over	2020/21 YTD Actual / Budget %	2020/21 Budget	2020 Re	//21 Budget emaining
REVENUE AND OTHER SOURCES:				0			D
Electricity (net of allowance) *	\$ 80.397.020	\$ 93,616,081	\$ 13,219,061	116%	\$ 161,517,700	S	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	1	I	I	%0	15,433,300		15,433,300
CEC Grant	1.595.833	1.131.008	(464.825)	71%	3.830.000		2.698.992
BAAOMD 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
EXPENDITURES AND OTHER USES:							
	366 434 63	076 034 76	10 005	/0001	140.469.000		100 000 02
Cost of energy and scheduling	03,404,330	707, 702, 107	15,000,51	120%	149,468,000		/3,008,231
Data management	1,325,788	1,327,134	1,300	100%	3,182,000		1,824,846
P 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
C Utreach 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
G 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
Leoislative	11 667		(11,667)	0%0	28,000		28,000
Other consultants	66 665	74 356	7.691	112%	160,000		85,644
CallCA Trade Association	158 335	145 400	(12 035)	020%	380,000		734 600
Durante interventation	116,001	004,041	(CCC,ZI)	0/ 7/	200,000 5 150,000		000,407
	2,140,000	023,127	(1, 220, 100)	0/00	2,120,000		4,074,070
Program - CEC grant	5,/00,000	2,445,322	(1,254,6/8)	00%	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
OTHER USES							
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%	ı ج	S	(7,094,648)
* Bonnesonts seeles of annuminatoly 008 000 MWA for 2020/21 VTD	aotual						
Nepresents sures of upproximities >>0,000 MARTIN JUL 2020/21 1112	астан.						
		% of Long-	Long-Term				
RESERVES	Current Balance	Term Target	Target Balance				
Operating Cash Reserve	\$ 59,203,000	65%	\$ 91,121,500				
Program Cash Reserve	10,840,000	59%	18,224,300				
Collateral Cash Reserve	2,221,000	15%	14,946,800				
	\$ 72.264.000	58%	\$ 124.292.600				
	· · · · · · · · · · · · · · · · · · ·	,,,,	4 IIIII				

See accountants' compilation report.

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 Add back capital asset acquisitions Change in net position	\$ (31,852) 5,617,191 12,679,987



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.

Maber Accountancy

San Rafael, CA December 28, 2020

1101 Fifth Avenue, Suite 200 San Rafael, CA 94901 415 459 1249 mahercpa.com

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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	107,686,501
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	 41,225,468
Total assets	 148,911,969
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	19,247,588
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	\$ 107,664,381

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	 95,326,151
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	 83,042,589
Operating income	 12,283,562
NONOPERATING REVENUES (EXPENSES)	
Interest income	389,416
Other nonoperating revenue	7,009
Nonoperating revenues (expenses), net	 396,425
CHANGE IN NET POSITION	12,679,987
Net position at beginning of period	94,984,394
Net position at end of period	\$ 107,664,381

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	 13,017,407
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES	
Payments to acquire capital assets	 (4,493,204)
CASH FLOWS FROM INVESTING ACTIVITIES	
Interest income received	555,198
Proceeds from certificates of deposit matured	 20,291,718
Net cash provided (used) by investing activities	 20,846,916
Net change in cash and cash equivalents	29,371,119
Cash and cash equivalents at beginning of year	 65,090,441
Cash and cash equivalents at end of year	\$ 94,461,560
Reconciliation to the Statement of Net Position	
Cash and cash equivalents (current)	\$ 72,461,560
Cash and cash equivalents (noncurrent)	 22,000,000
Cash and cash equivalents	\$ 94,461,560

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	\$ 13,017,407

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Staff Report - Item 05

То:	Sonoma Clean Power Authority Board of Directors
From:	Neal Reardon, Director of Regulatory Affairs Geof Syphers, Chief Executive Officer
lssue:	Receive Legislative and Regulatory Updates and Provide Direction as Appropriate
Date:	February 4, 2021

Requested Board Action:

Receive Legislative and Regulatory Updates and Provide Direction as Appropriate.

Regulatory Update

Microgrids

A microgrid is an electrical distribution network that is smaller than a utility-scale grid and has its own source of power. While they range in size from serving a single customer to powering an entire university, all microgrids are able to distribute energy as needed across this network and also store or export excess. Microgrids are able to "island" from the utility grid and serve their own load.

Over the past year, the CPUC has been actively evaluating how to best enhance the ability of microgrids to provide customers with resiliency in the event of PSPS or other outages. There are various categories of constraints limiting widespread deployment of microgrids today. These range from the economic (they're often expensive), to the legal (utilities own the distribution system), the regulatory (value provided to customers is not fully captured in existing policies), and operational (challenges interconnecting to the broader grid).

CPUC staff have focused on pilot programs to develop microgrids on critical facilities - those which provide services essential to emergency preparedness and public safety - in the next 24 months. SCP and other local governments have advocated for a broad deployment of microgrid and other resiliency-related solutions to be adopted immediately. SCP staff continue to pursue necessary data from PG&E to identify and prioritize areas for resiliency investments.

Legislative Update

On his first day in office, President Biden rejoined the U.S. to the Paris Climate Accord, and spoke about his ambition to establish a \$2 trillion economic stimulus plan to support clean energy, cut carbon emissions from the electric power sector and achieve net-zero emissions by 2050. In addition, a few of Biden's initial actions:

- Signaled he wished to replace the federal government's 645,000 vehicles with electric vehicles with a strong emphasis on buying from U.S. manufacturers.
- Ordered federal agencies to reassess over 100 modifications to environmental regulations issued by the prior administration;
- Halted construction on the Keystone XL pipeline by revoking the permit allowing the pipeline to cross the Canada-US border;
- Asked the Department of the Interior to review past decisions to allow coal and gas extraction from the Grand Staircase-Escalante and Bears Ears National Monuments in southern Utah;
- Suspended new oil and gas drilling permits on federal lands;
- Asked government lawyers to pause cases where environmental groups have challenged the previous administration.

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 California 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 now Chair, and Ashutosh Bhagwat is now 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:

Measure	Summary	Status
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

Measure	Summary	Status
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
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



FACT SHEET Why We Need Offshore Wind in California

California needs to provide reliable electricity service while transitioning away from fossil-fuel and nuclear energy resources. Significant amounts of new, clean capacity from a diverse suite of renewable energy and storage resources will be necessary to ensure reliability while continuing the fight against climate change. With offshore wind, the State can create new high-quality jobs and clean reliable power as an antidote to record-breaking wildfires, heat-waves, and economic down-turn caused by the global pandemic. State leadership on offshore wind - a new innovation industry - can provide a solution to multiple challenges.

Energy Potential

- State energy agencies have concluded at least 10 GW of offshore wind is needed as part of the most cost-effective electric resource portfolio by 2045. A diverse renewable portfolio including offshore wind will be the most reliable and affordable approach to achieving electric sector emissions reductions required by SB 100. (Joint Agency SB 100 Report, 2020)
- The planned retirement of Diablo Canyon nuclear power plant and oncethrough-cooling gas plants in combination with clean energy requirements will necessitate 60 GW of new clean power resources by 2030, with significant new procurement in the next several years.
- Offshore wind turbines would provide energy when it's needed most. Coastal winds peak at the end of the day– right when the sun goes down and air conditioners kick on — making offshore wind a critical part of a reliable, cost-effective clean energy system. ^(Wang, 2019)

Economic Potential

- 10 GW of offshore wind would create ~13,000 jobs during the construction phase, including 8,000 in on-site and supply chain jobs. It would also create nearly 3,000 operations and maintenance jobs.^(NREL 2016)
- The offshore wind industry requires skilled and trained labor and has potential to add thousands of jobs in supply chain development, construction, and operations and maintenance.
- Offshore wind has the potential to save California ratepayers up to \$2 billion between now and 2040. (E3, 2019)
- Floating offshore wind costs are declining rapidly and expected to be competitive with other renewables in about a decade. (NREL, 2020)
- With the offshore wind industry expected to grow to over 200 GW by 2030, California's next wave of manufacturing investments could position the state to be a major source of offshore wind equipment and a critical part of the supply chain, substantially increasing the industry's local economic impact. ^(IRENA, 2019)

Climate Potential

- Offshore wind is the most effective ocean-based climate mitigation strategy in the U.S. (CEA, 2020)
- Offshore wind is critical to achieving California's climate mitigation goals, including SB 100 requirements. By 2045, ~150 GW of *additional* renewable and storage resources will be needed. This has major land-use implications and will require responsible renewable development in the desert, plains <u>and</u> ocean. (Joint Agency SB 100 Report, 2020)

This Bill requires state agencies to develop an implementation plan for offshore wind that will:

Set a state offshore wind planning goal of 10 GW by 2040 and 3 GW by 2030

Identify sufficient wind energy areas in federal waters to accommodate at least 10 GW by 2040. This includes inside and beyond the BOEM call areas.

Establish a coordinated state-federal permitting process to efficiently manage the many agencies that must be involved in OSW permitting.

Plan for port improvements to support a range of floating offshore wind development activities including construction and staging foundations, manufacturing, and long-term operations and maintenance facilities.

Support development of a skilled and trained workforce with consideration of apprenticeship programs and workforce training.

Advance transmission planning: Building on the work recommended by the CPUC to the CAISO to assess a range of transmission solutions for OSW.



DAVID CHIU Representing the 17th Assembly District

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The State's Role in OSW Planning

California is behind on OSW. Other states on the east coast have set a combined 29 GW of offshore wind targets, with 13 projects in development.

Launching a new industry requires state leadership; The legislature should affirm the importance of OSW and direct state planning.

Planning for and supporting the offshore wind industry will require coordination and attention from multiple state agencies. Offshore wind requires unique planning, permitting and infrastructure. This won't happen on its own. Agencies need direction from the legislature and the Governor to successfully plan for long-lead time resources.

This approach is working in other states. As a result of the 29 GW of state-set offshore wind goals on the east coast, there are 13 OSW projects in development, and offshore wind developers on the east coast have already announced \$1.3 billion in transmission infrastructure, manufacturing facilities and supply chain development, and port infrastructure. (AWEA, 2020)

CA has successfully supported other clean industries in the same way. State goals and targets for roof-top solar (the million solar roofs program) and energy storage (AB 2514, 2010) were essential to creating new markets for emerging industries.

The State must lead on balancing land-use, conservation and renewable goals. Our climate goals will require new development and uses in the ocean, desert, and plains. The state must lead planning to balance multiple objectives and stakeholder interests.

CA Offshore wind resources



Commercial-scale offshore wind will be developed in federal waters, 20-30 miles from shore. Development in Morro Bay and Humboldt call areas could begin this decade, allowing for ~3 GW of development by 2030.



East Coast Offshore Wind Leadership

Sources

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Staff Report - Item 06

- To: Sonoma Clean Power Authority Board of Directors
- From: Neal Reardon, Director of Regulatory Affairs
- Issue: Receive Staff Summary on Power Charge Indifference Adjustment and Provide Direction as Appropriate
- Date: February 4, 2021

Requested Board Action:

Receive Staff Summary on Power Charge Indifference Adjustment and Provide Direction as Appropriate.

Power Charge Indifference Adjustment ("PCIA")

Definition and Function

The Power Charge Indifference Adjustment or "PCIA" is an exit-fee that PG&E charges CCA customers. It is meant to recover PG&E's net, unavoidable costs for long-term contracts they signed on behalf of customers who later left PG&E service and became SCP customers.

SCP customers are no longer receiving the energy from old PG&E contracts. As such, they are not required to pay for 100% of PG&E's contract costs. Instead, they pay the above-market cost, which is the difference between the contract price of energy and the market price (called the "Market Price Benchmark"). The above-market cost is - at least theoretically - the amount of money PG&E cannot recover by reselling its excess supply. Much of SCP's ongoing work at the CPUC is to make sure the CPUC is requiring PG&E to recover as much value as possible for its legacy contracts, since PG&E itself has no financial motivation to do so. When we are successful, the savings usually flow to all electric customers, including those customers who have opted out of SCP service. As a result, SCP and all of the other California CCAs have become one of the most active ratepayer advocates at the CPUC in recent years.

The Market Price Benchmark is recalculated every year based on current wholesale market prices. When market prices rise, SCP customers pay PG&E a lower PCIA fee because it is assumed that PG&E can resell its excess for more value that year. When market prices fall, SCP customers pay PG&E a higher PCIA because it is assumed that PG&E will recover less when it resells its excess.

Legislative Background

In response to California's Energy Crisis in 2000, the Legislature passed AB 117 in 2002 to create CCAs and thereby put more power and oversight over electricity markets into the hands of local governments. This allowed for local governments to aggregate the electrical demand in their communities and to determine their own electricity generation supply in an arrangement called Community Choice Aggregation. However, while the law allowed those communities to join CCAs, it held them liable for the IOU's legacy costs. Because utilities like PG&E currently enjoy a monopoly, the State guarantees that they will recover all of their approved costs. Without a PCIA exit fee, and because the corporation of PG&E is protected from bearing any of these costs, the above-market costs would be paid by a smaller number of customers – raising their bills.

There are three important principles to California's existing PCIA policy:

- 1. Customer indifference Customers who remain with the utility should not see their bills increase or decrease as a result of a CCA forming, they should be indifferent.
- 2. Attributable Contract costs are only allowed to be charged to CCA customers if they are attributable to the customer and were incurred on their behalf.
- 3. Net Unavoidable CCA customers are only charged exit fees to the extent that market prices are lower than utility costs. If the utility portfolio is less expensive than the current market price, there is no exit fee. The more expensive the utility portfolio is compared to the market price, the higher the exit fee grows.

<u>Impact</u>

As market prices have declined over the past decade, the financial credit our customers receive for their share of PG&E's legacy contracts has declined. This leaves our customers with a larger and larger share of PG&E's total portfolio costs.



While SCP is able to take advantage of these falling market costs in our own procurement, the PCIA formula assumes that CCAs are buying new resources every year at this calculated market price. Determining what goes into the utility costs and market prices is also very difficult. The PCIA calculation is shrouded in a lack of transparency, is technically complex, uses inputs which change every quarter, and is implemented extremely quickly (typically 24 to 48 hours before customer rates are changed).

SCP staff expect that our customers will be liable for some portion of PG&E's contract costs for decades to come because California has decided to have no end date for the PCIA, unlike other states which place a ten year limitation or other date to ensure utilities take the necessary actions to limit ratepayers' financial liabilities.

Our role is to continue to evaluate the PCIA calculation, fight for accuracy, plan for its impacts, and advocate for our customers and also generally for all electric customers.

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Staff Report - Item 07

То:	Sonoma Clean Power Authority Board of Directors
From:	Cordel Stillman, Director of Programs
lssue:	Receive Programs Strategic Action Plan and Provide Direction as Appropriate
Date:	February 4, 2021

Recommendation

Receive the Program's Section's Strategic Action Plan (Plan) and provide direction 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

The Strategic Action Plan was presented to the Community Advisory Committee on Jan 21, 2021. They made several minor comments related to the e-Bike program, but did not suggest any changes to the Plan.

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.

Sonoma Clean Power

Programs Division Strategic Action Plan

Updated January 2021

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<u>Acronyms</u>

- 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
- **RCPA** 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:

- 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.
- 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.

- 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 8th 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.

- 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 as 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.
- 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.
- 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

- 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.
 Required by regulatory or other deadlines; 	1. Actively exploring;	1. In the conceptual phase;
2. Other strategies or actions are dependent on	2. Anticipated, yet not immediate, deadline;	 Not enough information to proceed currently;
outcome;	 Funding is proposed; and 	3. Lower priority;
near-term; and	4. Necessary for	4 Funding not
4. Funding and resources are available.	development of long-term actions.	available

Program Strategy One

(PS1)

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 nonprofits 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.

- 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.

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 1st, 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.

- 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 I	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 $\backslash \backslash$

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.
- 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-Marin 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.

- 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).

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Staff Report - Item 08

То:	Sonoma Clean Power Authority Board of Directors
From:	Rebecca Simonson, Director of Planning & Analytics
	Geof Syphers, CEO
	Mike Koszalka, COO
	Beau Anderson, Administrative Services Officer
	Ryan Tracey, Senior Energy Analyst
lssue:	Discuss EverGreen Local Resource Public Workshop #2 and Provide Direction as Appropriate
Date:	February 4, 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 Board to discuss in the January 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

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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 Board for the Local Resource Plan at two more meetings beyond today's meeting; the April and May meetings as detailed below.

The Local Resource Plan timeline was brought to the Board in the December 3, 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
- ✓ <u>12/16/2020 CAC meeting</u>- 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 <u>https://sonomacleanpower.org/programs/evergreen</u>
- ✓ 1/21/2021 CAC meeting Presented Public Workshop #2
- **02/04/2021 BOD meeting** Staff is presenting the summary of Public Workshop #2 and CAC feedback in this staff report.
- <u>03/18/2021 CAC meeting</u>- Staff will present initial Local Resource Plan draft for CAC input and direction
- O4/01/2021 BOD meeting- Staff will present initial Local Resource Plan
 draft
- <u>04/15/2021 CAC meeting</u>- 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 <u>https://sonomacleanpower.org/programs/evergreen</u> and the presentation slide deck is available <u>through this link</u> 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.

sonomacleanpower.org
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 33 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 33 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 Board 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.



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?





Online survey results







What interest do you represent

Webinar live polls results

Online survey results



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





Did you attend or watch Public Workshop #1?

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Online survey results

Online survey results

Webinar live polls results



Conservative- Build for less than electricity demand and fill remainder 0 with existing local geothermal reso urces Measured - Build for existing electricity demand and reassess each year Aggressive - Build resources with moderate growth EverGreen scenario Risk taking - Build resources before EverGreen electricity use demands them 12 0 2 4 6 8 10



Online survey results



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





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

<u>https://sonomacleanpower.org/programs/evergreen</u> 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 cobenefit. 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).

- I am an SCP Evergreen, Drive EV, Grid Savvy, Net Green, EV-A customer. I am wondering if SCP has looked into the vertical wind generators like those made by Windspire of Wisc? That ideally fit on ridgelines, mountain tops and windy areas. They are extremely quiet and can produce up to 5 Kwh
- 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.

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