



**AGENDA
COMMUNITY ADVISORY COMMITTEE MEETING
WEDNESDAY, JUNE 24, 2020
1:00 P.M.**

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

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

RE CORONAVIRUS COVID-19

DUE TO THE PROVISIONS OF THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPEND CERTAIN REQUIREMENTS OF THE BROWN ACT, AND THE ORDER OF THE HEALTH OFFICER OF THE COUNTY OF SONOMA TO SHELTER IN PLACE TO MINIMIZE THE SPREAD OF COVID-19, MEMBERS OF THE COMMUNITY ADVISORY COMMITTEE WILL PARTICIPATE IN THE JUNE 24, 2020 MEETING BY TELECONFERENCE

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

- Webinar link: <https://zoom.us/j/92821796343>
- Telephone number: 1 (669) 900-9128
 - Meeting ID: 928 2179 6343

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

We ask that should you want to submit public comment that you do so by email before the item is discussed by the Committee. Please state the agenda item number that you are commenting on and limit written comments to three hundred (300) words. Comments can be sent to [**meetings@sonomacleanpower.org**](mailto:meetings@sonomacleanpower.org). Written comments received prior to the meeting and/or the agenda item you wish to comment on will be read into the record.

I. CALL TO ORDER

II. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA

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

III. COMMUNITY ADVISORY COMMITTEE CONSENT CALENDAR

1. Approve May 19, 2020 Draft Community Advisory Committee Meeting Minutes (Action) - pg. 5
2. Recommend that the Board of Directors Approve and Authorize the CEO, or his Designee, to Execute a Third Amendment to the Contract with EHDD for Design and Construction Administration Support for the SCP Headquarters Project (Action) - pg. 11
3. Recommend that the Board of Directors Approve a Contract with the Career Technical Education Foundation for the SWITCH Vehicle Education Program (Action) - pg. 15
4. Recommend that the Board of Directors Adopt a New Small Business Rate for Storage (B1-ST) (Action) - pg. 33

IV. COMMUNITY ADVISORY COMMITTEE REGULAR CALENDAR

5. Receive Internal Operations and Monthly Financial Report and Provide Feedback as Appropriate (Discussion) - pg. 37
6. Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate (Discussion) - pg. 65
7. Receive Update on Impacts of COVID-19 to SCP (Discussion) - pg. 71
8. Recommend that the Board of Directors Delegate Authority to the CEO or his Designee to Negotiate, Execute, and Amend a Professional Services Agreement with TerraVerde Energy, LLC with a Not-to-Exceed amount of \$500,000 to Analyze Battery Storage Systems at Public Education Facilities (Action) - pg. 75
9. Committee Member Discussion on whether to Recommend a Policy Position on Hydraulic Fracturing (aka "fracking") for Natural Gas (Discussion/Potential Action) - pg. 79

V. COMMITTEE MEMBER ANNOUNCEMENTS

VI. ADJOURN

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

COMMONLY USED ACRONYMS AND TERMS

AER	Advanced Energy Rebuild (A program that helps homeowners affected by the October 2017 firestorms rebuild energy efficient, sustainable homes).
CAC	Community Advisory Committee
CAISO	California Independent Systems Operator
CAM	Cost Allocation Mechanism
CCA	Community Choice Aggregation
CEC	California Energy Commission
CleanStart	SCP's default service
CPUC	California Public Utility Commission
DER	Distributed Energy Resource
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
IOU	Investor Owned Utility (e.g., PG&E)
IRP	Integrated Resource Plan
JPA	Joint Powers Authority
LSE	Load Serving Entity
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
PSPS	Public Safety Power Shutoff - a term used when it may be necessary for PG&E to turn off electricity for public safety when gusty winds and dry conditions, combined with a heightened fire risk, are forecasted
PV	Photovoltaics for making electric energy from sunlight
RA	Resource Adequacy - a required form of capacity for compliance
REC	Renewable Energy Credit - process used to track renewable energy for compliance in California.
SCP	Sonoma Clean Power
TOU	Time of Use, used to refer to rates that differ by time of day and by season

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**DRAFT MEETING MINUTES
COMMUNITY ADVISORY COMMITTEE MEETING
TUESDAY, MAY 19, 2020
1:00 P.M.**

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

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

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

DUE TO THE PROVISIONS OF THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPEND CERTAIN REQUIREMENTS OF THE BROWN ACT, AND THE ORDER OF THE HEALTH OFFICER OF THE COUNTY OF SONOMA TO SHELTER IN PLACE TO MINIMIZE THE SPREAD OF COVID-19, MEMBERS OF THE COMMUNITY ADVISORY COMMITTEE PARTICIPATED IN THE MAY 19, 2020 MEETING BY TELECONFERENCE. MEMBERS OF THE PUBLIC WERE PROVIDED WEBINAR AND TELEPHONE CALL-IN DETAILS AND GIVEN THE OPPORTUNITY TO SUBMIT WRITTEN PUBLIC COMMENTS PRIOR TO, AND DURING, THE MEETING.

I. CALL TO ORDER

Vice Chair Baldwin called the meeting to order at 1:03 p.m.

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

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

II. PUBLIC COMMENT ON MATTERS NOT LISTED ON THE AGENDA

None

III. COMMUNITY ADVISORY COMMITTEE CONSENT CALENDAR

1. Approve April 20, 2020 Draft Community Advisory Committee Meeting Minutes

2. Recommend Board Authorization and Delegation for the CEO to Negotiate and Execute an Agreement, and subsequent amendments, with Enel X North America, Inc to Continue Providing SCP Customers with Smart Residential EV Charging Equipment Through the GridSavvy Community with a Total Not-to Exceed Amount of \$314,000 through June 30, 2021
3. Recommend to the Board of Directors to Approve and Authorize the CEO to Execute a Second Amendment with the County of Sonoma for Energy Audit Services for Commercial Customers for an Amount Not-to-Exceed \$60,000 through June 30, 2021
4. Recommend that the Board Approve and Delegate Authority to the CEO to Execute Second Amendment to Contract with Sixth Dimension LLC for an Amount Not-to-Exceed \$360,893 through December 31, 2020
5. Receive Informational Update on SCPA Board of Directors Ratifying Continued Use of New Residential Time-of-Use rate E-TOU-D (Residential Time-of-Use Peak Pricing 5 – 8 p.m. Non-Holiday Weekdays) effective May 1, 2020
6. Recommend Board Approval of a Professional Services Agreement with S2 Advertising for Comprehensive Media Consulting Services for an Amount Not-to-Exceed \$1,217,400 through June 30, 2022

Vice Chair Baldwin noted that Committee Member Sizemore was not listed as present in the April 20, 2020 Draft Meeting Minutes and requested that the minutes be updated to reflect her attendance.

Public comment: None

Motion to approve the May 19, 2020 Community Advisory Committee Consent Calendar by Member Nicholls

Second: Member Quinlan

Motion passed: 9-0-0

IV. COMMUNITY ADVISORY COMMITTEE REGULAR CALENDAR

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

CEO Syphers introduced the item by noting that SCP recently celebrated 6 years of providing local and cleaner energy options to our communities; he

thanked the Committee Members for their efforts and contributions in helping SCP become a model for CCA programs across the state of California. He then updated the Committee on a recent Board of Directors decision to accept or reject PG&E's Greenhouse-Gas-Free allocation of their portfolio due to a recent CPUC decision; CEO Syphers stated that the Board unanimously accepted PG&E's hydropower allocation while unanimously rejecting the nuclear allocation. He then highlighted Item #3 on the Consent Calendar for Commercial Energy Audits and asked the Committee to share this program with their networks.

Public comment: None

Committee Member Brady requested that staff add an item to the next meeting agenda for a discussion around potentially developing a policy position recommendation to the Board regarding Governor's Newsom approval of natural gas fracking projects.

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

Director of Regulatory Affairs Neal Reardon updated the Committee on a Proposed Decision in the Microgrids proceeding which was largely favorable to CCAs and Local Governments. Director Reardon described how the Proposed Decision drew heavily from an Energy Division staff proposal aimed at enabling microgrids and similar solutions to reduce the scope and harm of utility de-energization events, commonly called "PSPS" for Public Safety Power Shutoffs. He then detailed that the Proposed Decision authorizes PG&E to implement measures to alleviate PSPS impacts, although their programs will later be subject to a reasonableness review to determine if the programs' costs were justified, and if not, PG&E will not be allowed to recoup the funds from ratepayers.

CEO Syphers gave a legislative update and highlighted SB 1312 (McGuire) that would require utilities to notify local governments of impending PSPS events and disclose data about their transmission and distribution equipment which could trigger a PSPS event; SB 1448 (Bradford) promoting workforce diversity on wildfire mitigation plans; SB 862 (Dodd) & AB 2178 (Levine), which would allow local governments and affected communities to declare local emergencies solely because of significant power shutoffs; and SB 350 (Dodd, McGuire, Hill, and Assembly Member Holden) which would form a

non-profit public benefit corporation to replace PG&E should PG&E fail to meet the safety and performance conditions set forth in Governor Newsom's Insurance Bill.

Public comment: None

9. Receive Update on Impacts of COVID-19 to SCP

COO Koszalka introduced the item by noting the continued closure of SCP's business office, staff's ongoing success in transitioning to a remote workforce, and plans to eventually reopen the office in accordance with state and local guidelines. He then described how SCP has engaged with two noted local economists-- Dr. Robert Eyler from Sonoma State University and Dr. Jon Haveman from Marin Economic Consulting-- to provide a report with economic indicators to use as inputs for SCP's load forecast, and to assist with the development of the Recommended FY 20-21 Budget. Energy Analyst Ryan Tracey updated the Committee on impacts to customer energy use as result of COVID-19, which have declined by approximately 7% in total. He then advised the Committee that economic indicators suggest that a net 5%-6% decline in usage will persist through 2021.

Public comment: None

10. Recommend that the Board Approve Budget for an On-bill Finance Assistance Pilot Program and Delegate Authority to the CEO to negotiate, execute, and amend a Professional Services Agreement for an On-bill Finance Administrator Agreement for a Not-to-Exceed Amount of \$157,920 through June 30, 2021

Programs Manager Chad Asay provided an overview of the proposed On-Bill Finance Program, which would provide eligible residential SCP customers with 0% interest no-fee loans at a max term of 10 years and \$10,000 for purchases of energy-saving technologies made through the Advanced Energy Center. He then detailed how staff is also requesting a budget of \$1 million as loan capital for this program and should any program participants switch service away from SCP or move, the loan would be required to be paid in full. Programs Manager Asay then detailed the On-Bill Finance Administrator component of the program, and how the Administrator will be responsible for overseeing contractors & installations at customer locations, resolve customer

issues, approve installations, communicate on-bill charges, and coordinate data collection as-needed.

Member Fenichel asked what type of technologies will be eligible for purchase; Programs Manager Asay stated that potential technologies include grid-integrated water heaters, induction cooktops, mini split air conditioning, nighttime ventilation, and battery storage. Member Brady stated her support for allowing commercial agricultural businesses to participate in the program. Member Chaban asked how customers will be able to apply for the program; Programs Manager Asay stated that applications will be available online and in-person at the Advanced Energy Center.

Public comment: None

Motion to Recommend that the Board Approve Budget for an On-bill Finance Assistance Pilot Program and Delegate Authority to the CEO to negotiate, execute, and amend a Professional Services Agreement for an On-bill Finance Administrator Agreement for a Not-to-Exceed Amount of \$157,920 through June 30, 2021 by Member Nicholls

Second: Member Fenichel

Motion passed: 9-0-0

11. Recommend that the Board Approve the Proposed Fiscal Year 2020-2021 Annual Budget and Proposed Customer Rates Effective July 1, 2020

COO Koszalka introduced this item by noting changes in the Proposed Budget from the iteration that was previously brought to the Committee, with the most substantive changes including: SCP deferring revenue into an Operating Account Fund approved by the Board, and refined budgetary estimates due to impacts from COVID-19. He then noted that the Proposed Customer Rates are significantly lower than PG&E's bundled rates, but due to the PCIA fee, SCP customers pay a slightly higher total bill. COO Koszalka then provided a line-item overview of the Proposed Budget to the Committee.

Public comment: None

Vice Chair Baldwin asked if forecasts from other CCAs due to COVID-19 were considered in the Proposed Budget; COO Koszalka stated that the macroeconomic data provided by the local economists that SCP engaged with, along with CalCCA data and CAISO energy reductions, were used for formulating the Proposed Budget and determining revenue impacts from COVID-19.

Motion to Recommend that the Board Approve the Proposed Fiscal Year 2020-2021 Annual Budget and Proposed Customer Rates Effective July 1, 2020 by Member Quinlan

Second: Member Nicholls

Motion passed: 9-0-0

V. COMMITTEE MEMBER ANNOUNCEMENTS

None

VI. ADJOURN

Motion to adjourn the May 19, 2020 Community Advisory Committee meeting by Member Nicholls

Second: Member Sizemore

Motion passed: 9-0-0

Meeting adjourned at approximately 2:52 p.m.



Staff Report - Item 02

To: Sonoma Clean Power Authority Community Advisory Committee

From: Cordel Stillman, Director of Programs

Issue: Recommend that the Board of Directors Approve and Authorize the CEO, or his Designee, to Execute a Third Amendment to the Contract with EHDD for Design and Construction Administration Support for the SCP Headquarters Project

Date: June 24, 2020

Recommendation:

Staff requests that the Committee recommend to the Board of Directors to Approve and Authorize the CEO, or his Designee, to execute a Third Amendment to the Contract with EHDD for design and construction administration support for the SCP Headquarters Project.

Background:

On November 1, 2018, Sonoma Clean Power (SCP) entered into an Amended and Restated Agreement with EHDD for a full scope of architectural design services for the renovation of a building at 431 E Street in Santa Rosa.

A First Amendment to the Agreement (the "First Amendment") was executed on May 2, 2019 in order to increase the total not-to-exceed amount of the Agreement from \$1,285,551 to \$1,350,099 and to expand the Services provided by Consultant which included (a) consulting services for one hydraulic elevator, and relocation of the machine room; and (b) implementation of the Grid Optimal initiative.

A Second Amendment to the Agreement (the "Second Amendment") was executed

on January 9, 2020 in order to increase the total not-to-exceed amount of the Agreement from \$1,350,099 to \$1,459,304 and to expand Services provided by Consultant which include (a) design services for seismic joint documentation and coordination; (b) project management, coordination and engineering services for design of the Grid Optimal and Islanding aspects of the Headquarters Building design; and (c) design of exterior monument sign.

Discussion:

The proposed Third Amendment (\$154,124) to the agreement is being requested to address unforeseen costs associated with permit acquisition and construction administration. The original contract with EHDD only budgeted for one round of comments during permit review. In total, three rounds of permit review were necessary given anomalies with the buildings structure and siting on the lot. The extra time and effort by the architect were not anticipated. Also, changes in EHDD's personnel requires that a more senior staff person be involved in the administration of construction, an additional cost that needs to be accounted for. Finally, SCP staff are recommending that the contract amendment include a contingency for construction administration. It is staff's experience that during the course of construction there will be the need for additional consultation with the architect as unforeseen issues arise, particularly when renovating an existing building. Having the contingency built in will allow staff to react quickly to contractor requests and avoid delays.

Fiscal Impact:

Due to the delays in receiving permits, there is sufficient existing budget in FY 19-20 to cover the proposed amendment costs. Any costs that may roll over into FY 20-21 have been budgeted for that year. The new not to exceed amount of the agreement will increase by \$154,124 to \$1,643,128.

Attachments:

Attachment A - Third Amendment to the Amended and Restated Professional Services Agreement between the Sonoma Clean Power Authority and Esherick Homsey Dodge and Davis.

ATTACHMENT A

THIRD AMENDMENT TO THE AMENDED AND RESTATED PROFESSIONAL SERVICES AGREEMENT BETWEEN THE SONOMA CLEAN POWER AUTHORITY AND ESHERICK HOMSEY DODGE AND DAVIS

This Third Amendment ("Third Amendment") to the Amended and Restated Professional Services Agreement (the "Agreement") is entered into between the Sonoma Clean Power Authority ("SCPA"), a California Joint Powers Authority, and Esherick Homsey Dodge and Davis, Architects, a professional corporation ("Consultant") as of _____, 2020 ("Third Amendment Effective Date"). SCPA and Consultant are, at times individually referred to herein as "Party" and collectively as "Parties".

WHEREAS, the Parties entered into an Agreement for Professional Services dated August 8, 2018 ("Original Agreement") for Consultant to provide engineering, architecture, design and other support services for SCPA's renovation of a 14,000 +/- sf office building and surrounding property in downtown Santa Rosa;

WHEREAS, the Parties subsequently updated and revised the Original Agreement, entering into an Amended and Restated Agreement dated November 1, 2018 (the "Agreement"), which included an expanded scope of services, increases to the not-to-exceed amount and an extension to the Term of the Agreement;

WHEREAS, the Parties entered into a First Amendment to the Agreement (the "First Amendment") dated May 2, 2019 in order to increase the total not-to-exceed amount of the Agreement from \$1,285,551 to \$1,350,099 and to expand the Services provided by Consultant which included (a) consulting services for one hydraulic elevator, and relocation of the machine room; and (b) implementation of the Grid Optimal initiative;

WHEREAS, the Parties entered into a Second Amendment to the Agreement (the "Second Amendment") dated January 9, 2020 in order to increase the total not-to-exceed amount of the Agreement from \$1,350,099 the \$1,459,304 and to expand Services provided by Consultant which include (a) design services for seismic joint documentation and coordination; (b) project management, coordination and engineering services for design of the Grid Optimal and Islanding aspects of the Headquarters Building design; and (c) design of exterior monument sign; and

WHEREAS, Consultant experienced higher than expected costs is processing project permits and underbudgeted costs through the construction administration period; and

WHEREAS, SCPA is anticipating that additional unforeseen circumstances may occur that require Consultants services during the course of construction: and

WHEREAS, SCPA now desires to (a) increase by \$154,124 the total not-to exceed amount under the Agreement from \$1,459,304 to \$1,613,428; and (b) extend the term of the Agreement from December 31, 2020 to April 30, 2021;

WHEREAS, in accordance with Section 28.5 all changes to the Agreement must be in writing and signed by all Parties.

///

By signing below, the signatories warrant that each has authority to execute this Second Amendment on behalf of their respective Parties, and that this Agreement is effective as of the Second Amendment Effective Date.

SONOMA CLEAN POWER AUTHORITY

**ESHERICK HOMSEY DODGE AND
DAVIS, ARCHITECTS**

BY: _____
Geof Syphers
Chief Executive Officer

BY: _____

DATE: _____

TITLE: _____

APPROVED AS TO FORM

DATE: _____

BY: _____
General Counsel

DATE: _____



Staff Report - Item 03

To: Sonoma Clean Power Authority Community Advisory Committee

From: Cordel Stillman, Director of Programs

Issue: Recommend that the Board of Directors Approve a Contract with the Career Technical Education Foundation for the SWITCH Vehicle Education Program

Date: June 24, 2020

Recommendation:

Staff requests that the Committee recommend to the Board of Directors to Approve and Authorize the CEO, or his designee, to execute a contract with the Career Technical Education Foundation (CTE) for the SWITCH Vehicle Education Program for an amount not to exceed \$115,000.

Background:

For the past four years, SCP has been funding a program, administered by CTE, that places electric vehicle kits (manufactured and supported by SWITCH) into classroom settings. The vehicle kits are designed to be assembled and dis-assembled every year so that students get hands on experience in the workings of an electric vehicle. To date, vehicle kits have been placed in 9 junior high and high schools, mostly in automotive or manual trades classes. The following is a list of schools participating and the class that supports the program.

Healdsburg Junior HS - Robotics/Mechanical Engineering
Windsor HS - Engineering/STEM Axis Academy
Piner HS - Make
Maria Carrillo HS - Auto
Rancho Cotate - Industrial Arts/Engineering
Hanna Boys Center - Physics

Casa Grande HS - Auto
Petaluma HS - Auto
Sonoma Valley HS - Engineering

Through the program CTE trains teachers in experiential learning techniques and helps in connecting the classes with technology-based companies that provide mentors to the students. Each year SCP and CTE try to expand the program to additional schools. In the past, the contracts for this program have been less than \$100,000 and have been authorized under the CEO's authority.

Discussion:

For the next fiscal cycle (FY20-21) we are proposing a budget of \$115,000 which will cover the following program items:

- 1) Purchase and place two additional SWITCH Vehicle kits
- 2) Re-purpose one existing SWITCH Vehicle kit for use as a display in the Advanced Energy Center. Once we are finished using it as a display at the AEC, we will deploy this kit to an additional school (yet TBD).
- 3) Instructor Professional Development
- 4) Distance Learning Student Materials
- 5) A competitive SWITCH Event
- 6) A SWITCH Program documentary

For the first time the SWITCH Program will be expanding into Mendocino County with the addition of Anderson Valley High School. At the end of the next school year, CTE has planned a competitive event where all the participating schools will bring their vehicles to be judged in a number of categories. This event was planned for this past May, but had to be cancelled due to the pandemic.

Fiscal Impact:

Funds for this program have been included in the Sonoma Clean Power fiscal year 2020/2021 budget.

Attachments:

Attachment A - Draft Professional Services Agreement with Career Technical Education Foundation.

ATTACHMENT A

AGREEMENT FOR PROFESSIONAL SERVICES

This Agreement for Professional Services ("Agreement"), dated as of _____ ("Effective Date") is made by and between the Sonoma Clean Power Authority ("SCPA"), a California joint powers authority, and Career Technical Education Foundation Sonoma County, A California non-profit corporation ("Consultant"). SCPA and Consultant may be individually referred to as a "Party" or collectively as "Parties."

1. **Scope of Services:** Consultant agrees to provide any and all of the services as described in Exhibit A.
2. **Performance Standard:** Consultant warrants that it possesses the necessary training, experience and skill to competently and professionally provide the services described in Exhibit A. If SCPA determines that any of Consultant's work is not in accordance with the level of competency and standard of care normally observed by a person practicing in Consultant's profession, SCPA, in its good faith, reasonable discretion, shall have the right to do any or all of the following:
 - a. require Consultant to meet with SCPA to review the quality of Consultant's work and resolve matters of concern;
 - b. require Consultant to repeat the work at no additional charge until the work meets the level of competency and standard of care normally observed by a person in Consultant's profession;
 - c. terminate this Agreement pursuant to Section 6; or
 - d. pursue any and all other remedies at law or in equity.
3. **Payment:** Prior to receipt of payment, Consultant agrees to submit an invoice or invoices (no more than one invoice for each calendar month) demonstrating performance of Services for which payment is being requested in a form reasonably acceptable to SCPA. Invoices shall be signed by key staff, and include adequate documentation, such copies of receipts for pre-approved reimbursable expenses. Upon receipt of properly prepared invoicing, SCPA shall pay Consultant within thirty (30) calendar days for services provided in accordance with this Agreement, applying the following rates:
 - a. Fees based on the Fee Schedule, as set forth in Exhibit B; and
 - b. Reimbursable expenses must be pre-approved by SCPA.
4. **NOT TO EXCEED AMOUNT.** IN NO EVENT SHALL THE AMOUNT PAYABLE FOR SERVICES PERFORMED DURING THE TERM OF THIS AGREEMENT EXCEED One Hundred and Fifteen Thousand dollars (\$115,000). This dollar amount is not a guarantee that SCPA will pay that full amount to Consultant but is merely a limit of potential SCPA expenditures under the Agreement.
5. **Term of the Agreement:** The initial term of this Agreement shall be from the Effective Date to June 30, 2021 unless terminated pursuant to Section 6 or amended by a written, executed amendment to the Agreement. Consultant understands and agrees that funding for costs under this Agreement after June 30, 2021 is subject to approval by SCPA's Board of Directors of a budget

AGREEMENT FOR PROFESSIONAL SERVICES

including such funding, and that SCPA may terminate this Agreement pursuant to Section 6 below if such funding is not approved.

6. Termination:

- a. Notwithstanding any other provision of this Agreement, at any time and without cause, the CEO of SCPA shall have the unequivocal right to terminate this Agreement by giving thirty (30) calendar days written notice to the other Party. Should SCPA terminate this Agreement under this Section 6(a), the written notice of termination shall be accompanied by full payment of all then-outstanding invoices or unpaid portions thereof for all services, fees, costs, and reimbursable expenses then due and owing to Consultant. SCPA shall also submit and SCPA shall pay Consultant in the manner described in Section 3 for all services, fees, costs, and reimbursable expenses actually and necessarily incurred by Consultant as a result of the termination, including without limitation cancellation fees, liquidated damages, and other expenses payable by Consultant upon Consultant's termination of contracts it has entered into with third parties in order to properly perform under this Agreement, such as contracts for the purchase of the materials, supplies, and services described in Exhibit B.
- b. Notwithstanding any other provision of this Agreement, should Consultant fail to perform any of its obligations or violate any of the terms of this Agreement (Termination for Cause), the CEO of SCPA may, upon providing Consultant written notice stating the reason for termination, immediately terminate this Agreement. In the event of termination, Consultant, within fourteen (14) calendar days following the date of termination, shall deliver to SCPA all materials and work product subject to Section 16 and shall submit to SCPA a final invoice for all outstanding payments due to Consultant.

7. Indemnification: Consultant agrees to accept all responsibility for loss or damage to any person or entity, including the SCPA, and to indemnify, hold harmless, and release the SCPA, its officers, agents, and employees, from and against any actions, claims, damages, liabilities, disabilities, or expenses, that may be asserted by any person or entity, including Consultant, that arise out of, pertain to, or relate to Consultant's performance of or obligations or omissions under this Agreement. Consultant agrees to provide a complete defense for any claim or action brought against the SCPA based upon a claim relating to Consultant's performance or obligations or omissions under this Agreement. Consultant's obligations under this Section apply whether or not there is concurrent negligence on the SCPA's part, but to the extent required by law, excluding liability due to the SCPA's conduct, specifically SCPA's sole negligence, active negligence or willful misconduct. The SCPA shall have the right to select its legal counsel at Consultant's expense, subject to Consultant's approval, which shall not be unreasonably withheld.

AGREEMENT FOR PROFESSIONAL SERVICES

8. Insurance: Consultant shall maintain and shall require all of its subcontractors, consultants, and other agents to maintain insurance as described below unless such insurance has been expressly waived in writing by SCPA.
- a. Workers' Compensation. If Consultant has employees at any time during the term of this Agreement, Workers Compensation insurance with statutory limits as required by the Labor Code of the State of California, and Employers Liability with minimum limits of \$1,000,000 per accident; \$1,000,000 disease per employee; \$1,000,000 disease per policy.
 - b. Commercial General Liability. Commercial General Liability Insurance with Minimum Limits: \$1,000,000 per occurrence; \$2,000,000 general aggregate; \$2,000,000 products/completed operations aggregate. The required limits may be provided by a combination of General Liability Insurance and Commercial Umbrella Liability Insurance. If Consultant maintains higher limits than the specified minimum limits, SCPA requires and shall be entitled to coverage for the higher limits maintained by Consultant.
 - i. Any deductible or self-insured retention shall be shown on the Certificate of Insurance. Deductibles or self-insured retention that exceeds \$25,000 must be approved in advance by SCPA. Consultant is responsible for any deductible or self-insured retention and shall fund it upon SCPA's written request, regardless of whether Consultant has a claim against the insurance or is named as a party in any action involving SCPA.
 - ii. SCPA shall be an additional insured for liability arising out of operations by, or on behalf of, the Consultant in the performance of this Agreement.
 - iii. The insurance provided to the additional insureds shall be primary to, and non-contributory with, any insurance or self-insurance program maintained by them.
 - iv. The policy shall cover inter-insured suits between the additional insureds and Consultant and include a "separation of insureds" or "severability" clause which treats each insured separately.
 - c. Automobile Liability. Automobile Liability Insurance with Minimum Limit of \$1,000,000 combined single limit per accident. Automobile Insurance shall apply to all owned autos. If Consultant currently owns no autos, Consultant agrees to obtain such insurance should any autos be acquired during the term of this Agreement. Automobile Insurance shall apply to hired and non-owned autos.
 - d. All Policies Requirements.
 - i. Insurers, other than the California State Compensation Insurance Fund, shall have an A.M. Best's rating of at least A: VII.

AGREEMENT FOR PROFESSIONAL SERVICES

- ii. The Certificate of Insurance must include the following reference:
Sonoma Clean Power Authority.
 - iii. All required Evidence of Insurance shall be submitted to SCPA within 3 business days of the Effective Date. Consultant agrees to maintain current Evidence of Insurance on file with SCPA for the entire term of this Agreement.
 - iv. The name and address for Additional Insured endorsements and Certificates of Insurance is: Sonoma Clean Power Authority, Attn: Contract Administration, 50 Santa Rosa Avenue, Fifth Floor, Santa Rosa, CA, 95404.
 - v. Required Evidence of Insurance shall be submitted for any renewal or replacement of a policy that already exists, at least ten (10) business days before expiration or other termination of the existing policy.
 - vi. Consultant shall provide SCPA immediate written notice if: (A) any of the required insurance policies are terminated; (B) the limits of any of the required policies are reduced; and/or (C) the deductible or self-insured retention is increased.
 - vii. Upon written request, certified copies of required insurance policies must be provided within thirty (30) calendar days.
 - viii. Consultant's indemnity and other obligations shall not be limited by these insurance requirements.
9. Status of Consultant: Consultant, in performing the services under this Agreement, shall act as an independent contractor and shall control the work and the manner in which it is performed. At no time shall Consultant work as an agent or employee of SCPA and at no time shall Consultant be entitled to participate in any pension plan, worker's compensation plan, insurance, bonus, or similar benefits SCPA provides its employees. In the event SCPA exercises its right to terminate this Agreement pursuant to Section 6, Consultant expressly agrees that it shall have no recourse or right of appeal under rules, regulations, ordinances, or laws applicable to employees.
10. No Suspension or Debarment: Consultant warrants that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in covered transactions by any state or federal department or agency. Consultant also warrants that it is not suspended or debarred from receiving federal funds as listed in the List of Parties Excluded from Federal Procurement or Non-procurement Programs issued by the General Services Administration.
11. Taxes: Consultant agrees to file federal and state tax returns and pay all applicable taxes on amounts paid pursuant to this Agreement. Consultant shall be solely liable and responsible to pay such taxes and other obligations, including, but not limited to, state and federal income and FICA taxes.

AGREEMENT FOR PROFESSIONAL SERVICES

Consultant agrees to indemnify and hold SCPA harmless from any liability which it may incur to the United States or to any US State as a consequence of Consultant's failure to pay, when due, all such taxes and obligations. In the event SCPA is audited for compliance regarding any withholding or other applicable taxes, Consultant agrees to, in a timely fashion, furnish SCPA with proof of payment of taxes on these earnings.

12. **Records Maintenance:** Consultant shall keep and maintain full and complete documentation and accounting records concerning all services performed that are compensable under this Agreement and shall make such documents and records available to SCPA for inspection at any reasonable time. Consultant shall maintain such records for a period of five (5) years following the expiration or termination of this Agreement.
13. **Conflict of Interest:** Consultant warrants that it presently has no interest, and that it will not acquire any interest, direct or indirect, that represents a financial conflict of interest under state law or that would otherwise conflict in any manner or degree with Consultant's performance under this Agreement. Consultant further warrants that in the performance of this Agreement no person having any such interests shall be assigned by Consultant to perform work under this agreement nor be given access to the information described in Section 16. Consultant shall comply with any and all applicable California Fair Political Practices Act requirements.
14. **Statutory Compliance:** Consultant shall comply with all applicable federal, state and local laws, regulations, statutes and policies applicable to the Services provided under this Agreement.
15. **Nondiscrimination:** Without limiting any other provision of this Agreement, Consultant shall comply with all applicable federal, state, and local laws, rules, and regulations in regard to nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, pregnancy, disability, sexual orientation or other prohibited basis. All nondiscrimination rules or regulations required by law to be included in this Agreement are incorporated by reference.
16. **Confidentiality, Ownership and Disclosure of Work Product:** All information obtained by Consultant under this Agreement shall be deemed confidential ("Confidential Information"). Unless SCPA provides written permission, Consultant is compelled by a court of law or regulatory agency, or Consultant obtained Confidential Information from a source or sources other than SCPA, Consultant shall not share Confidential Information with any other person or entity outside of SCPA staff and SCPA authorized representatives. Consultant further agrees to execute non-disclosure agreements related to protecting Confidential Information as requested by SCPA. Provisions related to Confidential Information shall survive expiration or termination of the Agreement for a period of five (5) years. All reports, original drawings, graphics, plans, studies, and other data or documents ("Documents"), in whatever form or format, produced by Consultant or Consultant's subcontractors, consultants, and other agents within the term and scope of this Agreement shall be the

AGREEMENT FOR PROFESSIONAL SERVICES

property of SCPA. SCPA shall be entitled to immediate possession of such Documents upon completion of the work pursuant to this Agreement. Upon expiration or termination of this Agreement, Consultant shall promptly deliver to SCPA all such Documents, which have not already been provided to SCPA in such form or format, as SCPA deems appropriate. Such Documents shall be and will remain the property of SCPA without restriction or limitation.

17. Assignment and Delegation: Parties shall not assign, delegate, sublet, or transfer any interest in, or duty under, this Agreement without the prior written consent of the other.
18. Written Communications: All written communications, including notices, bills and payments, may be made via electronic mail or to the following addresses:

TO SCPA:

Sonoma Clean Power Authority
Attn: Contract Administration
50 Santa Rosa Avenue, 5th Floor
Santa Rosa, CA 95404
cstillman@sonomacleanpower.org

TO CONSULTANT:

Kathy Goodacre
CTE Foundation Sonoma County
1030 Apollo Way, Suite 200
Santa Rosa, CA 95407
kgoodacre@ctesonomacounty.org

19. No Waiver of Breach: The waiver by SCPA of any breach of any term or promise contained in this Agreement shall not be deemed to be a waiver of such term or provision or any subsequent breach of the same or any other term or promise contained in this Agreement.
20. Construction: To the fullest extent allowed by law, the provisions of this Agreement shall be construed and given effect in a manner that avoids any violation of statute, ordinance, regulation, or law. The Parties agree that in the event that any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remainder of the provisions hereof shall remain in full force and effect and shall in no way be affected, impaired, or invalidated. The Parties acknowledge that they have each contributed to the making of this Agreement and that, in the event of a dispute over the interpretation of this Agreement, the language of the Agreement will not be construed against one Party in favor of the other. Parties acknowledge that they have each had an adequate opportunity to consult with counsel in the negotiation and preparation of this Agreement.
21. Consent: Wherever in this Agreement the consent or approval of one Party is required to an act of the other Party, such consent or approval shall not be unreasonably withheld or delayed.
22. No Third-Party Beneficiaries: Nothing contained in this Agreement shall be construed to create, and the Parties do not intend to create, any rights in third parties.

AGREEMENT FOR PROFESSIONAL SERVICES

23. Choice of Law and Forum: This Agreement shall be construed and interpreted according to the substantive law of California, regardless of the law of conflicts to the contrary in any jurisdiction. Any action to enforce the terms of this Agreement, or for the breach of this Agreement, shall be brought and tried in Santa Rosa, California, or the forum nearest to the city of Santa Rosa, in the County of Sonoma.
24. Exhibits; Order of Precedence:
- a. Exhibits. This Agreement includes the following Exhibits:
 - i. Exhibit A - Scope of Services
 - ii. Exhibit B - Fee Schedule
 - b. Order of Precedence. In the event of a conflict between the body of this Agreement and any Exhibits or attachments, the language in the body of this Agreement shall prevail. In the event of a conflict between the Exhibits, the order of precedence set forth in section 24(a) applies.
25. Captions: The captions in this Agreement are solely for convenience of reference. They are not a part of this Agreement and shall have no effect on its construction or interpretation.
26. Merger: This writing is intended both as the final expression of the Agreement between the Parties with respect to the included terms and as a complete and exclusive statement of the terms of the Agreement, pursuant to California Code of Civil Procedure Section 1856.
27. Amendment: No modification of this Agreement shall be effective unless and until such modification is evidenced by a writing signed by both Parties.
28. Survival of Terms: All express representations, waivers, indemnifications, and limitations of liability included in this Agreement will survive its completion or termination for any reason.
29. Time of Essence: Time is and shall be of the essence of this Agreement and every provision within this Agreement.
30. Joint Powers Authority. Consultant hereby acknowledges that SCPA is organized as a Joint Powers Authority in accordance with the Joint Powers Act of the State of California (Cal. Govt. Code section 6500 *et seq.*, as the same may be amended from time to time) pursuant to a Third Amended and Restated Joint Powers Agreement dated October 13, 2016 (the "Joint Powers Agreement"), that SCPA is a public entity separate from its members, and that under the Joint Powers Agreement the members have no liability for any obligations or liabilities of SCPA. Consultant agrees that SCPA shall solely be responsible for all debts, obligations and liabilities accruing and arising out of the Agreement and Consultant agrees that it shall have no rights against, and shall not make any claim, take any actions or assert any remedies against, any of SCPA's members,

AGREEMENT FOR PROFESSIONAL SERVICES

any cities or counties participating in SCPA's community choice aggregation program, or any of SCPA's retail customers in connection with this Agreement.

[SIGNATURES TO APPEAR ON FOLLOWING PAGE]

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AGREEMENT FOR PROFESSIONAL SERVICES

By signing below, the signatories warrant that each has authority to execute this Agreement on behalf of their respective Parties, and that this Agreement is effective as of the Effective Date.

SONOMA CLEAN POWER AUTHORITY

BY: _____

Geof Syphers
Chief Executive Office

Date: _____

CONSULTANT

BY: _____

Kathy Goodacre
Chief Executive Officer

DATE: _____

APPROVED AS TO FORM

BY: _____

General Counsel

DATE: _____

Exhibit A

Scope of Services

2020-2021 PROPOSAL

The following proposal is composed of three opportunities for investment:

1. Instructor Professional Development for Distance Learning
2. Switch EV Rally 2021
3. Launch of the Switch Program in Mendocino County

The proposal budget also includes funding to refurbish an existing Switch vehicle for display in Sonoma Clean Power's new Retail Center.

PROFESSIONAL DEVELOPMENT FOR DISTANCE LEARNING

It is well known that the pandemic generated substantial challenges to local schools – the rapid and unplanned shift to Distance Learning left many instructors overwhelmed and uncertain about how to advance curriculum goals while meeting the diverse needs and capacities of their students. This was especially true for CTE courses that rely upon hands-on experiential learning, like the Switch program. Today, schools are exploring a number of different models to accommodate social-distancing requirements that are certain to remain in place through Fall 2020 at a minimum, and potentially longer. To address this, CTEF proposes to provide an opportunity for Switch instructors to work with SCOE staff in the development of curriculum modules that can be completed remotely.

1. Switch EV At-Home Learning Module

- a. Be it fires, floods, power outages or a pandemic, students next year are certain to find themselves having to learn on their own. To ensure learning opportunities are relevant and useful to the advancement of Switch curriculum, we recommend preparing at-home learning modules for use in the 2020-21 school year and beyond. Instructors would prepare modules customized to their course with the guidance of SCOE curriculum coaches.
- b. Some examples of at-home learning modules include:
 - Students anticipate what they may want powered during the next power shut-off, such as a mobile phone, light, e-reader, etc. They consider the power load and design a solar system that can power the device(s) for one full day.
 - Arduino kit to teach wiring, coding, and electrical circuits.
 - Design projects using a free web-based CAD platform like TinkerCad, Fusion 360, or Eagle. Using these programs, students can design a physical object, add onto existing designs, or even design and test electronic schematics.
 - Potato battery kit to teach the basics of power generation.
- c. CTEF and SCOE would host a workshop for instructors, coaches, and industry partners to plan for the 2021 Switch EV Rally and to design at home learning modules. The workshop would be scheduled in early-August to give instructors time to design projects and send materials to students should the Fall semester begin with distance learning.

Exhibit A

Scope of Services

- d. A SCOE Work-Based Learning Coach would continue to provide project planning and implementation support throughout the school year to instructors. Feedback from the past year shows that instructors have found this to be helpful in the implementation of career-connected projects and industry involvement.
- e. Up to three additional instructors would be invited to participate in the work: New auto shop teachers from Petaluma High School and Maria Carrillo High School, and the new Switch instructor from Anderson Valley High School should the grant be funded. SCOE coaches would support their integration in existing work.
- f. A small fund would be set up to allow instructors to purchase materials for at-home projects. Materials could include wiring and solar battery components, Arduinos, etc.; teachers would be responsible for purchasing materials and distributing them to students and would be reimbursed directly for costs up to a maximum allowable budget. CTEF successfully tested a similar program this Spring for at-home Maker Kits that was well-received by both students and teachers.

SWITCH EV RALLY 2021

Sonoma County Switch instructors are looking forward to an opportunity to meet and engage in healthy competition at a 2021 Rally event. Now that competition design is complete, CTEF proposes to leverage the work accomplished to date to make the Switch EV a reality Spring 2021. The extra planning time provides an opportunity to refine ideas, bring in new employer partners, engage new Switch instructors in Sonoma and Mendocino Counties, and raise community awareness for the program.

1. Switch Program Documentary Video

- a. CTEF proposes to produce a fun reality-show style video that highlights each class and follows students to the culminating competition event to document this innovative approach to hands-on education.
- b. Documentary production would be led by CTEF's Marketing Manager and produced in partnership with Sonoma Clean Power.

2. Employer Integration

- a. The past program year has demonstrated the power of integrating industry professionals in project work – it raises student excitement and understanding of local careers and accelerates learning. CTEF will continue to coordinate industry involvement starting with the virtual workshop in August.
- b. Each class will connect with at least one employer (preferably more) throughout the school year to mentor students and provide additional inspiration for their projects.
- c. The Switch EV Rally will incorporate industry professionals as judges for various challenges.
- d. Industry partners will be encouraged to have a booth at the Switch EV Rally to speak with students about related education and career paths in between their scheduled challenges.

MENDOCINO PROGRAM EXPANSION

CTEF has successfully stewarded a Switch EV Lab grant application from Anderson Valley High School. The instructor, David Ballentine, proposes to embed the Switch program in the school's IDEA Lab (Innovation, Design, Exploration, and Application) to be the primary hands-on, cross-curricular component of their Engineering and Design Industry CTE Program. Importantly, the Switch EV Lab would enable the school to offer a capstone course opportunity for both Engineering Design and Environmental and Natural Science Engineering Pathways, typically completed by 11th and 12th grade students. The school anticipates initial enrollment of 22 students and has a plan to start a Girls Garage Club to encourage more young women to consider careers in Engineering and Natural Sciences. Peter Oliver of Switch Vehicles, Inc. has vetted the instructor and the proposed shop space and has expressed confidence in his ability to execute the program.

CTEF has confidence that Anderson Valley HS is prepared to fully leverage the Switch EV Lab and commensurate curriculum materials. We especially appreciate the opportunity to complete two CTE pathways at the school, thus allowing students to earn pathway completion credit and build important work readiness skills in alignment with the needs of our region. We recommend funding this grant and inviting the AHS team to join in the distance learning module development work and 2021 Switch EV Rally.

CELEBRATING PARTNERSHIP

CTEF deeply values the investment Sonoma Clean Power has made in the Switch EV program and is grateful for an opportunity to build upon its success. As the primary funder of the Switch program, CTEF celebrates this partnership by acknowledging Sonoma Clean Power in a variety of communication channels and by inviting its employees to participate in student-facing volunteer activities.

1. Partnership Recognition

- a. Sonoma Clean Power will be recognized as the lead partner and headline sponsor for the program and regional event in all promotional materials, CTEF stakeholder communications, and related press coverage.
- b. Sonoma Clean Power employee(s) will be asked to serve on judging panel in the student competition.
- c. Founder's Level partnership recognition on CTEF website, social media, and marketing materials.
- d. Promotion of partnership at key events such as the CTEF Spark the Future event and the CTEF Leadership Luncheon.

2. Sonoma Clean Power Employee Volunteer Opportunities

- a. Assist instructors in relevant project design during curriculum development workshops.
- b. Participate as industry partner in Switch classrooms; mentor students and guide career-connected learning activities.
- c. Provide event support at Switch EV Rally.
- d. Serve as Judge(s) at Switch EV Rally.

2020-2021 SWITCH Program Enhancement & Expansion Budget

CTEF's budget proposal includes funding to support the three investment opportunities described above as well as funds to provide a vehicle for display at Sonoma Clean Power's new retail center. As discussed, CTEF and Switch would identify an existing Sonoma County site to receive a new replacement kit, and the "old" kit would be refurbished for display. This refurbished kit would then be granted to a new school once Sonoma Clean Power is ready to release it from display. CTEF would facilitate the grant application and assessment process in similar manner to previous Switch grants and will welcome Sonoma Clean Power's input on releasing the opportunity to prospective schools. Credo High School has expressed renewed interest in the Switch Lab and they may be ready to implement the program once the kit becomes available.

A new Switch Program Training workshop is included in the budget to train the Anderson Valley High School team should their grant request be funded. We are leveraging this opportunity to train the new Auto Shop instructor at Petaluma High School, Keith Benson, who is eager to utilize the Switch kit in his curriculum. We would also like to make the training opportunity available to the new Auto Shop teacher at Maria Carrillo High School, though we are not yet certain if he will be ready to undertake the training this Fall.

Another item of note, Sonoma County Office of Education was not able to fulfill all contract obligations from the 2019-20 grant due to the closures necessitated by COVID-19. As a result, they are currently holding a balance of \$10,301 in unspent grant funds. We recommend rolling these funds into a new contract for 2020-21. SCOE has submitted a budget proposal of \$17,301 to lead the curriculum development work for Distance Learning Modules, provide coaching for module implementation, and deliver all previously planned support in preparation for the 2021 Switch EV Rally. Therefore, our proposed budget reflects the assumption that the carry-over balance remains with SCOE, and thus requests an additional \$7,000 to provide professional development to Switch instructors next year.

Exhibit B
Budget & Fee Schedule

SWITCH 2020-21 Regional Program Enhancement Budget

Item	Total Cost	Narrative
SWITCH Lab Kit Grant - Anderson Valley HS, Mendocino	\$ 30,967	
Switch Lab DC 72 volt Pb w/Education bundle	\$ 26,994	
Student Relay Lab Kit - for Mendocino/Anderson Valley HS	\$ 799	1 kit @ \$799 each
Textbook - Build Your Own EV	\$ 1,080	36 textbooks @ \$30 each
Tool Set	\$ 500	1 set for classroom
Spare Parts	\$ 500	Spare part budget for class, good for minimum of 5 years
Instructor Guide	\$ 99	1 guide per class
Unlimited usage license for classroom curriculum	\$ 995	Editable instructional materials covering a variety of subject areas, inclusive of 60-hours of video lectures, lesson plans, homework assignments, and powerpoint presentations
SWITCH Lab Kit - Display at SCP Retail Center	\$ 28,994	Display kit will be granted to new school when no longer needed at retail center
New kit for distribution to existing Sonoma County Switch site	\$ 26,994	Replacing existing kit which will be refurbished for display
Retrofit & refurbish old kit for display	\$ 2,000	
Instructor Professional Development	\$ 9,500	
Training Workshop for new Switch Instructors	\$ 2,000	4-day training conducted by Switch Vehicles; Anderson Valley HS, Petaluma HS, Maria Carillo HS
SCOE Contract - Switch instructor professional development	\$ 7,000	Distance Learning curriculum development and implementation, Switch EV Rally event planning and execution, 1:1 coaching for Switch instructors
Program Coordination & Industry Outreach	\$ 500	CTEF staff time @ \$100/hr for 5 hours
Distance Learning Student Materials	\$ 2,000	
Materials to supplement at home learning	\$ 2,000	Kit cost @ \$10 * 200 students; teachers to be reimbursed for actual costs up to maximum budget allowance; CTEF to leverage funds for matching campaign to raise money for materials
Competitive SWITCH Event	\$ 16,569	
Innovation Challenge Materials/Supplies	\$ 5,500	Materials Cost @ \$500/class; \$500 for event-day materials
Event Location Fees	\$ 1,500	Based on Saralee & Richard's Barn cost for 1-day event; assumes free event space, cost includes AV, tables, chairs, setup and take-down charges
Event Catering	\$ 1,500	Lunch, snacks and beverages for students, judges, employer partners
SWITCH Vehicle & Student Transportation	\$ 3,000	Switch transporation to event @ \$300/kit; potential need to hire vans to get students to event
SWITCH Event Award(s)	\$ 300	Three trophies at \$100/each
SWITCH Event Awards/Supplies Grant	\$ 1,200	First @ \$750, 2nd @ \$300, 3rd @ \$150
Event Marketing Materials	\$ 569	Pull-Up banner, signage, flyers
Industry Outreach, Event Coordination & Management	\$ 3,000	CTEF Staff time @ \$100/hr for 30 hours
Switch Program Documentary	\$ 7,508	
Video Production by Shoot Blue Productions	\$ 5,508	
Director of Photography	\$ 3,500	3 half days @ \$750 each, 1 full day @\$1250
Camera Assistant	\$ 250	1 full day - event
Editing and Graphics	\$ 1,500	
Voiceover	\$ 200	
Mileage	\$ 58	100 miles @ .575
Video Scripting and Preproduction	\$ 500	CTEF Staff time @ \$100/hr for 5 hours
Field Producer	\$ 1,500	CTEF Staff time @ \$100/hr for 15 hours
Subtotal	\$ 95,537	
CTEF Indirect Expense	\$ 14,331	Indirect Program Cost Allocation @ 15%
Sales Tax	\$ 5,132	Charged by Switch Vehicles, Inc. @ 8.5%, see attached quote
Total	\$ 115,000	

Exhibit C
Non-Disclosure Agreement

- ☐ Included
- ☒ Not Included

Exhibit D
Prevailing Wage Requirements

- ☐ Included
- ☒ Not Included



Staff Report - Item 04

To: Sonoma Clean Power Authority Community Advisory Committee

From: Erica Torgerson, Director of Customer Service
Rebecca Simonson, Power Services Manager

Issue: Recommend that the Board of Directors Adopt a New Small Business Rate for Storage (B1-ST)

Date: June 24, 2020

Requested Action:

Recommend the Board adopt a new rate, B1-ST, to be effective August 1, 2020. The rate components will be set at the same level as B1's rate components compared to PG&E's May 1, 2020 rates.

Quick Summary:

This rate was developed as a pilot by PG&E for small business customers that want to add a battery, but don't have solar. Installing a battery requires an interconnection agreement with PG&E to keep line workers safe during a power outage. If a small business has solar and a battery, they would qualify for B-1 or B-6, but if the customer only has a battery, their only option would B-1. Final B1-ST rates should be available in late July for an August 1, 2020 effective date.

Background:

On August 9, 2018, the California Public Utilities Commission (CPUC or Commission) issued D.18-08-013 (the Decision) in PG&E's 2017 General Rate Case Phase II Application to Revise Its Electric Marginal Costs, Revenue Allocation, and Rate Design (Application (A.) 16-06-013). The Decision accepts various settlement agreements that make significant changes to PG&E's rate designs. In particular, the decision adopted, with certain modifications, a settlement for Small Light and Power Rate

Design that included a new rate option for small commercial customers called the A-1 STORE rate.

PG&E prepared pro forma tariffs for the A-1 STORE rate, re-named B1-ST herein, to be consistent with the nomenclature for the new small commercial rate schedules: Schedules B-1 and B-6.

PG&E expects the new B1-ST storage rate option to become available on a voluntary basis on August 1, 2020.

Discussion:

The Small Light and Power Rate Design Settlement adopted by D.18-08-013 included bundled illustrative rates for the new B1-ST rate based on overall rate levels in place in March 2017, together with Commission rules for adjusting those rates for later implementation. In review of the Settlement rates, PG&E discovered an error in the allocation of sales by TOU period which resulted in rates that were set too high. PG&E's illustrative rates provided in the pro forma tariff have been corrected and brought forward to be revenue neutral to May 1, 2020 rate levels based on the rules for adjusting the rates for revenue requirement and sales changes.

PG&E Tariff Language:

B1-ST for Storage: The B1-ST rate for storage is an optional rate available to qualifying customers taking Bundled, DA or CCA service under Schedule B-1.

The B1-ST rate is a pilot program that will be offered with a cap on the number of participants of 15,000. The B1-ST rate for storage is available to customers who are subject to the maximum demand eligibility requirements for the class of 75 kW or usage in excess of 150,000 kWh per year (as defined in each rate schedule) and have a minimum energy storage capacity equal to the greater of either 4.8 kWh or at least 0.05 percent of the customer's annual usage (in kWh) for the previous 12 months. Customer under 75 kW that are eligible to take service on Schedule B-1 may elect to take service on B1-ST for Storage.

Demand Charge (applicable to B1-ST): The customer will be billed for demand according to the customer's "maximum demand" each month based on the single highest demand occurring during the combined on-peak and part-peak period (2:00 p.m. to 11:00 p.m.). The demand charge will not apply to demand during the off-peak and super off-peak periods. However, the 75 kW eligibility threshold evaluation will include demand during the off-peak and super off-peak periods. The number of kW used will be recorded over 15-minute intervals; the highest 15-minute average in the month outside of off-peak and super off-peak hours will be the customer's

maximum demand for demand charge per kW billing purposes. Demand is only applied on the unbundled distribution component.

Rates:

As of May 1, 2020, SCP's B1 rates are above PG&E's for the first time. By rate component, below are the percentage above PG&E on total bill impact:

B-1	Summer	On Peak	1.55%
B-1	Summer	Partial Peak	1.83%
B-1	Summer	Off Peak	1.97%
B-1	Winter	On Peak	2.01%
B-1	Winter	Off Peak	2.15%
B-1	Winter	Super Off Peak	2.32%

Once PG&E gets approval for its rates from the Commission, SCP will set its B1-ST rates at the same percentages.

Fiscal Impact:

This rate is voluntary and has a PG&E service territory cap of 15,000 accounts. It is not expected to have a financial impact to SCP.

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Staff Report - Item 05

To: Sonoma Clean Power Authority Community Advisory Committee

From: Stephanie Reynolds, Director of Operations
Mike Koszalka, COO

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

Date: June 24, 2020

BUSINESS OFFICE CLOSURE

Staff continue to work at home and follow guidelines to shelter in place as they are set by the local Public Health Officer, Dr. Sundari Mase, in coordination with local government officials. Incoming emails and calls to the call center from the public are being handled in the same manner as if the office were open and meetings between co-workers, consultants and others are taking place on the web.

NEW TEAM MEMBERS

SCP has hired two new team members. Jennifer Rafferty joined SCP in March as an Administrative Aide working across the agency on various projects with a focus on contract administration. Her first week we closed the office and she has been a trooper, working from home and becoming proficient on Zoom during this modified onboarding period. We have also hired a manager for the Advanced Energy Center who will be starting later in July, early enough to help with preparations for the opening of the Center when construction is finished.

MARKETING UPDATE

To continue providing education and resources to customers in terms of promoting energy efficiency and cost savings amid the shelter in place order, SCP has updated the Energy Tips education campaign, with updated tips for staying cool during the warmer summer months. The campaign is running in English and Spanish across radio, print, digital, outdoor, social media and other channels. We are receiving positive comments on our social media posts, expressing appreciation for the energy saving tips provided by SCP.

CARE/FERA AND MEDICAL BASELINE PROGRAM ENROLLMENTS

SCP tracks new enrollments in the California Alternative Rates for Energy (CARE) program, Family Electric Rate Assistance Program (FERA) Program, Medical Baseline (MB) Program, and payment plan enrollments on a monthly basis. Due to COVID-19, PG&E has made it easier for customers to sign up for financial assistance programs by removing the income verification process until March 2021. Customers can also now enroll in the Medical Baseline program without a doctor's signature. See table of below.

Program	6/1/2020	5/1/2020	4/3/2020	3/1/2020	2/1/2020
CARE	39,905	39,084	36,890	36,248	36,098
FERA	1,213	1,124	878	785	772
Medical Baseline	6,401	6,251	6,155	6,113	6,136
SCP Accounts on Payment Plan	4,023	4,712	5,673	5,626	4,935

As you can see, the enrollment in CARE, FERA, and MB have all increased since the start of the pandemic. Anecdotally, it is believed the number of accounts on a payment plan have decreased, perhaps because customers know PG&E is halting disconnections until March 2021.

PROGRAMS UPDATES:

Induction Cooktop and DIY Energy & Water Savings Toolkit Checkout Programs

The induction cooktop and DIY toolkit checkout programs are temporarily on hold, due to the restrictions on public contact. The toolkits will not be available for curbside pickup as the Libraries are not currently accepting returns. The programs will continue as soon as it is safe for the lending sites to reopen.

Advanced Energy Build (AEB)

A professional services contract for Advanced Energy Build was executed on April 22nd with TRC Engineers, Inc. SCP staff continues to conduct planning and marketing activities in preparation for an anticipated program launch on July 1st.

Advanced Energy Rebuild (AER)

Staff continues to communicate with multiple applicants to the program that started their rebuild processes in 2019. Out of the 377 applications received, 306 are enrolled and actively participating in the program, including 256 single-family homes, 96 multi-family units, and 16 Accessory Dwelling Units (ADU).

Lead Locally (CEC Grant)

The Lead locally research team continues its Phase 1 applied study of both phase change materials and air to water heat pumps. Phase 2 site recruitment are nearing completion and installations are scheduled over the next two months.

The Education and Outreach team has put together a robust schedule of courses and events for the 20/21 FY. The intent is to conduct most events online to outreach to all community members during times of distancing. Please check our online calendar for upcoming events.

Construction at the Advanced Energy Center has reached the phase where drywall is going to be installed and flooring is being prepped for finishing. Multiple manufacturers and distributors are under contract to participate at the Advanced Energy Center and their display bays are being constructed and co-branding marketing strategies are being defined.

Self-Generation Incentive Program (SGIP)

The SGIP Assistance program launched April 2020. This program provides residential customers with SGIP incentives upfront and assistance with applications to install battery energy storage systems under 30 kilowatts (kW). Due to strong early response, on May 7 the Board approved additional funding of \$750,000 to increase the number of projects that could be funded through this program. More information can be found at www.sonomacleanpower.org/programs/sgipassistance

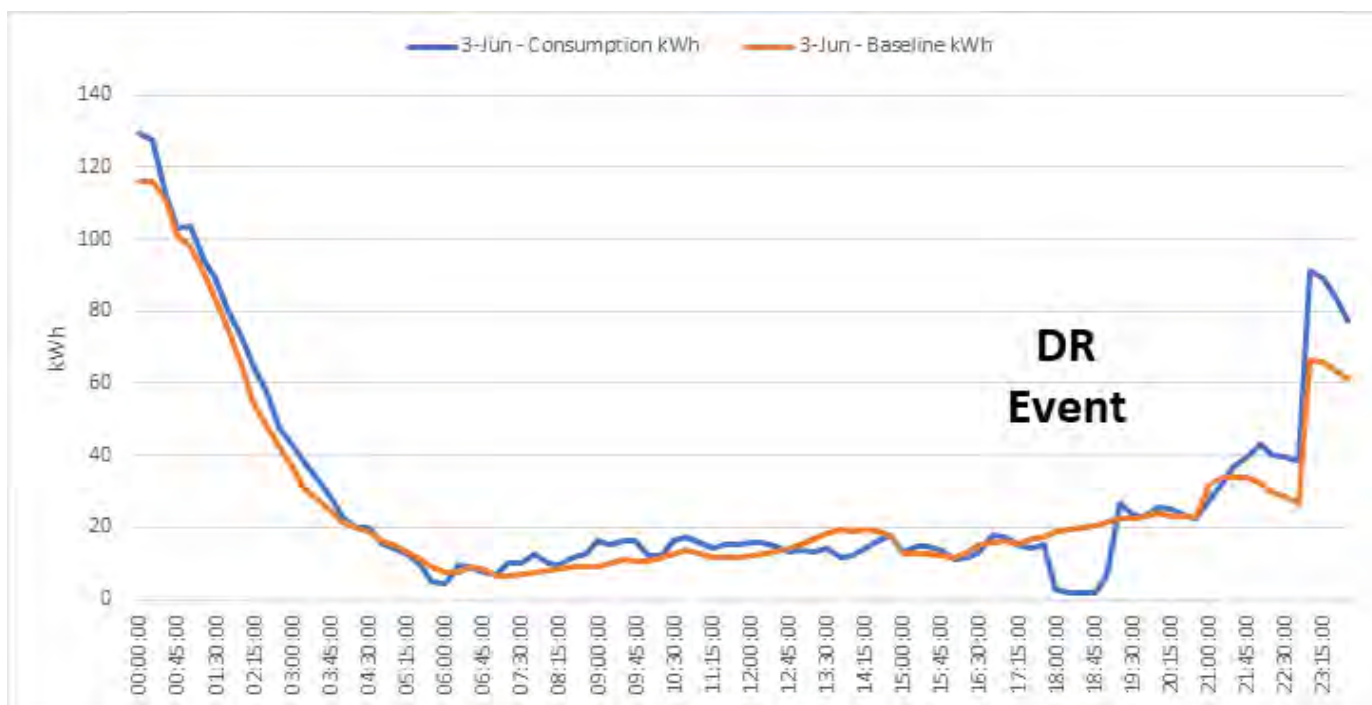
On May 15, PG&E, the local program administrator, announced the budget for equity and equity resiliency within their territory became fully subscribed. The SGIP Assistance Program is accepting applications to be placed on the PG&E waitlist. Only projects selected from the PG&E waitlist will be able to receive upfront incentive

dollars from PG&E. Additional funding from Senate Bill 700 is expected to be available in July.

As of June 15, customers have been able to choose to work with any of the 31 participating contractors. SCP has received 37 projects submitted by 14 contractors/installers totaling \$771,300. The average cost of a project is approximately \$23,000. All projects submitted so far are equity resiliency projects, meaning the rebate covers 100% of the project.

GridSavvy Community

The GridSavvy Community continues to execute demand response events based on SCP's projected peak loads, with the last event being on June 3rd. Results from the EV chargers during that event are shown in the graph below. On June 18th, the GridSavvy Community's partnership with ecobee will go live, extending the opportunity to join GridSavvy to approximately 3,000 customers with existing ecobee thermostats in SCP's service territory. This should provide a great seasonal demand response asset to supplement the EV chargers and heat pump water heaters.



Sonoma Coast Incentive Project - CALeVIP

The Sonoma Coast Incentive Project, which will provide incentives for the installation of electric vehicle charging infrastructure, is on schedule to launch July 8, 2020.

Marketing and outreach efforts are underway to promote the project. Staff is working diligently to inform businesses and property owners in low-income, disadvantaged, coastal, and rural areas of the available incentives and the specific allocation of funding to them. For coastal, rural, and low-income areas looking to install or host charging stations but needing help getting started can request free technical assistance by going to calevip.org/technical-assistance.

Incentives of up to \$80,000 for Direct Current Fast Chargers (DCFC) and up to \$7,500 for Level 2 chargers are available for property owners, businesses, public agencies, tribal communities, and multi-family complexes. Incentives are available on a first-come, first-served basis and can be used for the design, engineering, purchase, and installation of the charging infrastructure.

Anyone interested in hosting charging stations or learning more is encouraged to contact Staff by emailing programs@sonomacleanpower.org. For complete information, including the requirements and supporting documents, visit the Sonoma Coast Incentive Project CALeVIP landing page at sonomacleanpower.org/calevip.

Water/Energy Education Program

Staff has received the Final Report to Sonoma Clean Power for Services Provided in 2019-2020 School Year by Sonoma Water. The attached report states that even with the many disruptions of the school year; public safety power shutoffs, fire evacuations and now COVID-19 school closures, the program still reached over 4,000 elementary students in the classrooms and over 6,000 students were able to take part in the ZunZun assemblies. The report addresses the need to plan for distance learning to reach more students in the coming year and the creation of videos as part of that process.

MONTHLY COMPILED FINANCIALS STATEMENT

The year-to-date growth in net position is slightly above projections due primarily to lower operating costs. Revenue from electricity sales and cost of energy are both slightly less than expected. Year-to-date electricity sales reached \$154,450,000.

SCP maintains a balanced portfolio by procuring electricity from multiple sources. Net position reached a positive \$112,950,000, which indicates healthy growth.

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

BUDGETARY COMPARISON SCHEDULE

The accompanying budgetary comparison includes the 2019/20 budget amendment approved by the Board of Directors in February 2020.

The budget is formatted to make comparisons for both the annual and the year-to-date perspective. The first column, 2019/20 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 slightly less than the year-to-date budget by approximately 3%.

The cost of electricity is approximately equal to the budget-to-date. Variation in this account is typically due to fluctuating market cost of energy on open position purchases.

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

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

UPCOMING MEETINGS:

BOD - Thursday, July 2, 2020 at 8:45 A.M.

CAC - Wednesday, July 29, 2020 at 1:00 P.M.

ATTACHMENTS:

Final Report to Sonoma Clean Power for Services Provided in 2019-2020 School Year
April 2020 Financial Reports

Final Report to Sonoma Clean Power For Services Provided in 2019-2020 School Year

Summary

The 2019-2020 school year will be remembered as the year of disruption. From PG&E's public safety power shutoffs and fire evacuations in the fall to the unprecedented school closures and the sudden pivot to online learning in the spring due to the COVID-19 pandemic. Despite this, we reached 4,149 elementary students with direct classroom instruction, had we not had to cancel programs we would have seen an additional 1,544 students. Fortunately, the majority of our direct instruction was carried out successfully. As it happened, this was not the case for our indirect instruction. Two of our largest community events of the year were canceled, one due to the Kincade Fire and the other due to COVID-19 pandemic. Along with several smaller outreach events we estimate that 19,690 possible contacts did not happen. Fortunately, ZunZun is a bright spot and although they had to cancel 14 in-person assemblies, they still saw 6,347 students and created a robust distance learning program that reached at least 3,645 students and teachers. The popularity of our materials program continued with teachers ordering 17,667 water and energy-themed rulers and 127 Sonoma Clean Power Posters. An additional 3,201 toothbrushes with the slogan *Save Water, Save Energy* were given away to 3rd graders throughout Sonoma County. The same theme, *Save Water to Save Energy* is included in the Water Awareness Poster Contest and this year, 27 4th grade teachers registered and 750 posters were sent out to students from Fort Bragg to Sonoma. Next year's calendar will be our 25th and offers an opportunity to highlight students and teachers who have continued to pursue their interests in art and conservation despite all the challenges.

Looking ahead to next year, there is still much uncertainty as to whether or not we will be able to visit classrooms and offer direct instruction. As we wait for guidance from school districts, we have begun planning to offer distant learning options for teachers and their students. Based on the results of a teacher survey sent in April, we are developing short video segments related to water and energy conservation and renewable energy. We would like to offer kits with hands-on materials like solar panels and fans that students can use while watching the videos. From the feedback we have received from teachers, hands-on materials are what they appreciate most about our lessons. With school budgets being cut, providing free materials will be even more valued by teachers in the coming years.

The current climate of multiple stressors placed on students, teachers, and parents presents us with an opportunity to evaluate what messages we want to share with students and teachers and how to do it in the most inclusive and equitable ways we know. Fortunately, our staff remains committed to self-reflection and we strive to reach students where they are, given these stressful times. We offer students engaging curriculum that encourages them to be curious about how the world works and empowers them to find ways to solve problems. We look forward to providing our programs in the next school year in whatever form is required.

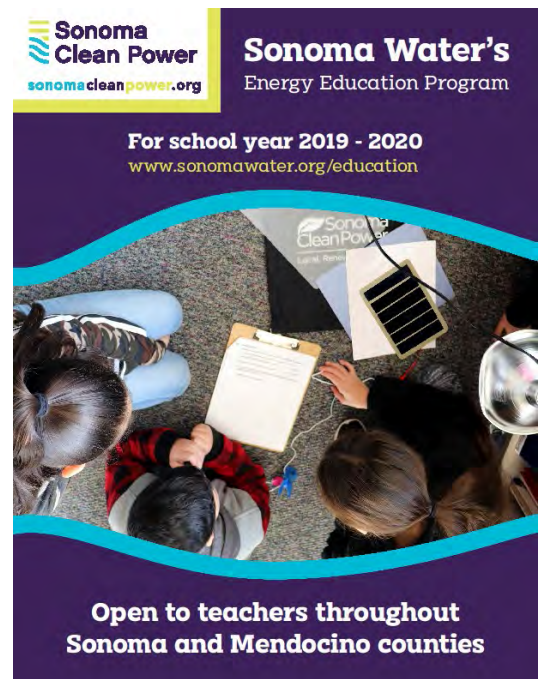
Program Outreach and Marketing

In the fall of the 2019/2020 school year, we mailed 3,110 paper brochures to 278 schools across our service areas. Twenty-eight schools within the Santa Rosa City School District received a digital flyer as the district is no longer accepting paper flyers. For the 88 schools in Mendocino County, we created a unique brochure detailing only energy education programs. Reminder emails and registration links were sent to all 3rd and 4th grade teachers who participated in programs during the 2018-2019 school year. Program descriptions and advertisement videos are available on our website at www.sonomawater.org/education. At the beginning of the school year, the education program is highlighted on Sonoma Water's homepage. In December, we sent 2020 Water Awareness Calendars with brochures to schools in Mendocino County and to schools in Sonoma County outside our water service areas as a way to remind teachers of our programs mid-year.

New this year, we sent out three e-newsletters through Constant Contact e-mail marketing software. Past newsletters are posted on our website www.sonomawater.org/education. Also, with funding from the Russian River Watershed Association, we offered a subset of our water education programs to schools who have not been eligible to receive programs in the past such as in Cloverdale and the lower Russian River. With this new partnership, we made in-person connections with schools and teachers that have never had our water programs and made sure to share with them the panoply of services available to their school including energy education programs. These direct interactions and word of mouth recommendations from teacher to teacher are our most effective outreach and marketing tools.



Water and Energy Program Brochure
mailed to all schools within Sonoma County



Energy Education Program Brochure
mailed to Mendocino County schools

1. Direct Instruction-Classroom Presentations

3rd Grade-*Water and Energy*

The 3rd grade program was presented the same as last year with two lessons scheduled one week apart. The first lesson is focused on water: where our drinking water comes from, storm drain pollution prevention, and water conservation. As students learn about our water transmission system they are introduced to the idea that it takes electricity to move water from place to place. This lays the foundation for a key concept that we hope to convey, that when we use water at home, we also use energy and by extension when we conserve water at home we also save energy.

Lesson 2 expands on the topic of energy and presents students with an introduction to renewable and nonrenewable energy sources. Connections are made between these sources of energy and the greenhouse gas effect and climate change. After hands-on explorations with coal and solar panels with fans, students brainstorm ways to remove greenhouse gases (GHGs) from the atmosphere and are called up to remove GHGs stickers from a globe. Students often come up with actions like walking not driving to school, taking shorter showers, turning off the lights, and using a reusable water bottle. Students receive a bamboo toothbrush with a water conservation message printed on it, *Save Water, Save Energy* to encourage them not to waste water and to use biodegradable products instead of plastic.

Schools Scheduled

Fifty-one schools received the 3rd grade lessons with a total of 2,992 student participants (Table 1). Due to the Covid-19 pandemic and associated shelter in place health order, we had to cancel programs planned for eight schools, 23 classes with 538 students. Had these not been canceled, we would have seen 3,530 students, an increase of approximately 500 students from 2018-2019. Teachers whose programs were canceled will be given scheduling priority next year.

Table 1. Summary table of school registered for the 3rd Grade Program- *Water and Energy* 2019-2020.

County	Town or City	# of Schools	# of Classes	# of Students
Sonoma	Cotati	1	2	43
	Forestville	1	1	21
	Geyserville	1	1	14
	Kenwood	1	1	20
	Penngrove	1	1	78
	Petaluma	10	19	463
	Rohnert Park	5	13	341
	Santa Rosa	23	64	1411
	Sebastopol	3	7	161
	Sonoma	4	9	223
	Windsor	1	8	217
Subtotal		51	126	2,992

Canceled due to Covid-19		8	23	538
TOTAL				3,530

Teacher and Student Feedback

Following the lesson, teachers are asked to provide feedback either digitally with a link to a google form or via written comments returned by mail. Questions are asked about the content and delivery of the lessons as well as suggestions for improvement. We received evaluations from 72 teachers. The feedback was overwhelmingly positive with 99% stating they would sign up again next year.

Here are a few comments from the 3rd grade teachers:

Super informative! Solar lesson was fantastic. They learned a ton!

The science experiment w/ the solar panels and fans. Students ecstatic!

The solar panels! Great activity! Also, the discussion regarding climate change.

*Thank you **SO** much! Bamboo toothbrushes are awesome!*

Watching the students experience the fan slowing or speeding up when the sunlight reached the solar panels. Great AHA! Moment.

One notable comment from a precocious 3rd grader from Oak Grove Elementary in Sebastopol, told an educator that the climate change lesson was so important she needed to make a presentation for her family.

4th Grade—Where Does Our Electricity Come From?

The 4th grade program was simplified from two lessons to one, moving the second lesson to a new 6th grade program titled, *Electricity and Climate Change* (described below). The changes were made based on informal assessments during class visits that some of the content would be better suited for older students. Also, the second lesson requires moving and setting up a lot of equipment from class to class which took time. By switching to middle school, the lesson can be set up in a science teacher's classroom and students move through as they switch from class to class. A handful of 4th grade teachers requested the wind energy lesson this year and in certain situations we are able to accommodate special requests. Our hope is to work with teachers as much as possible to create a lesson that best fits their students and their curriculum. It varies from teacher to teacher how much time is given to science and whether or not the content fits into their chosen curriculum.

The 75-minute 4th grade lesson is now focused on solar power and has students work in pairs as they investigate how clouds affect the electrical output of a 3-V solar panel. Students make predictions, draw models, and conduct a controlled experiment using indoor work lights and different cloud types. This lesson emphasizes scientific thinking and the ability of students to carry out an experiment and explain their results using models (pictured to the right).



Schools Scheduled

Twenty-five schools signed up to participate in the program, however nine were canceled due to school closures related to COVID-19 (down from 31 in 2019) (Table 2). A total of 848 students participated in the program and an additional 702 students were signed up for programs that were canceled. Three schools signed up from Mendocino County, four schools were in the SCP service area within Sonoma County and the remaining 18 schools were in Sonoma Water and SCP's overlapping service areas.

Table 2. Summary table of schools registered for the 4th grade program-Where Does Our Electricity Come From? 2019-2020

County	Town or City	# of Schools	# of Classes	# of Students
Sonoma	Guerneville	1	1	32
	Kenwood	1	1	23
	Petaluma	2	4	124
	Rohnert Park	1	3	80
	Santa Rosa	5	8	291
	Sebastopol	2	5	139
	Sonoma	1	1	22
	Unincorporated	1	1	28
	Windsor	1	3	54
Subtotal		16	29	848
Canceled				
Sonoma	Petaluma	3	5	110
	Rohnert Park	1	3	82
	Santa Rosa	3	8	225
Mendocino	Fort Bragg	1	7	210
	Mendocino	1	3	75
	Subtotal	9	26	702
TOTAL				1,550

Teacher and Student Feedback

Following the lesson, teachers are given the choice to fill out a paper evaluation with a self-addressed stamp envelope or are sent a google link for an online evaluation form. Eighteen of the 29 teachers responded. The evaluations were all positive and 100% would request the program again next year.

Below are a few comments from 4th grade teachers:

I really appreciate the excellent support for getting more real world, hands-on science to my students. The students are enriched by these experiences. Thank you!

I want to thank whatever program donates or sponsors this education service.

Matches NGSS standards wonderfully.

Keep doing what you're doing.

We received many student thank you letters describing their favorite parts of the lesson. These two are from articulate 4th graders who appreciated the wind energy lesson in the early part of the year.

Dear Ms Trisha,

Thank you, I enjoyed having you here. You taught us a lot about science stuff. I really enjoyed playing with the solar panels when they worked in the sun, and also when I got to pull the crank to make electricity from the generator. I realized that coal is bad for the earth, it pollutes the sky but clean energy like geothermal, and water helps the planet we live on, I mean we only have one earth!

Sincerely

Sienna Kumec

Dear Trisha,

Thank you for coming to our class. We had lots of fun. I enjoyed when we did experiments that taught us about electricity. I liked learning about generators and how they power things. When I went home that day I told my mom what's inside a generator and she said she never had known that. When we did the experiment with the volt meter and the fan I thought it was interesting how high the volt meter got. It was the best science class I ever had. I hope that your goal to have 100% clean power all over the earth succeeds.

Thanks again,

Stella

6th Grade—*Electricity and Climate Change*

The 6th grade program consists of 2 class visits scheduled one week apart. Lesson 1 is 75 minutes and provides a short introduction to the greenhouse gas effect and global warming using NASA videos of global temperature and CO₂ fluctuations over time. During the rest of the session, students work in pairs through seven stations and independently investigate materials and answer questions in a handout. Stations include questions about coal, motors, hand-crank generators, wind-powered generators, and a solar panel that powers a small fan. The experiences are designed to cultivate curiosity about electricity, how it's generated, and to make connections between the electricity we use, the energy used to create it, and the links to the causes of global warming.

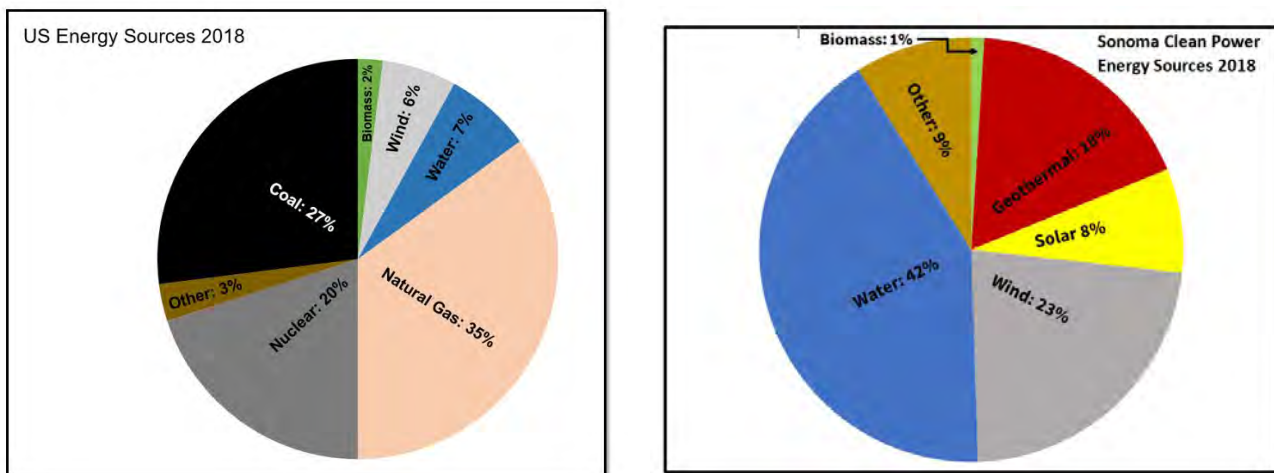


Figure 1. In Lesson 1, at one of 7 stations, students are asked to make observations and compare and contrast the energy sources procured by SCP compared to the United States overall.



Figure 2. Students working through stations in Lesson 1.

Lesson 2 is a 90 minute class visit and students participate in a Wind Challenge STEM Workshop. Students work in groups of four to design, construct, and test wind blades on a small turbine with a visual volt meter attached. Students make predictions, draw models, and record data as they attempt to create the most efficient blade as a team. At the end of the lesson, students reflect with partners and through a whole class discussion about what worked, what didn't, and how the group process went.

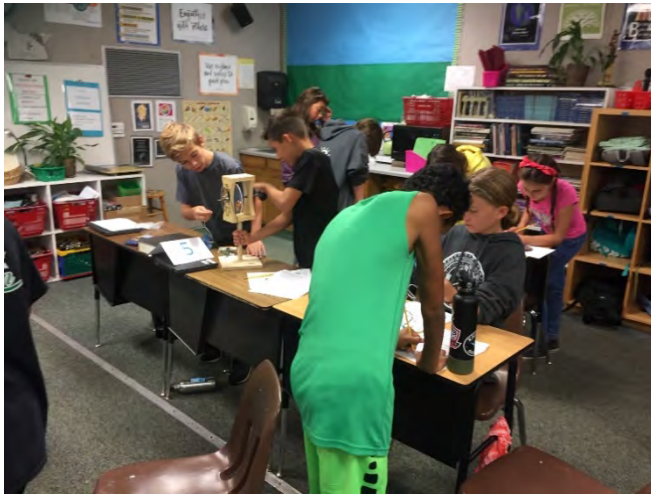


Figure 3. Students working during the wind energy challenge.

Schools Scheduled

14 schools signed up to participate, however seven were canceled due to school closures related to COVID-19 (Table 3). Three-hundred and nine students participated and we would have seen an additional 304 students.

Table 3. Summary table of schools registered for the 6th grade program-*Electricity and Climate Change* 2019-2020.

County	Town or City	# of Schools	# of Classes	# of Students
Sonoma	Kenwood	1	2	46
	Petaluma	1	3	82
	Santa Rosa	3	6	134
	Unincorporated	1	1	25
Mendocino	Potter Valley	1	1	22
Subtotal		7	13	309
Canceled				
Sonoma	Petaluma	3	4	120
	Santa Rosa	4	7	184
SubTotal		7	11	304
TOTAL				613

Teacher and Student Feedback

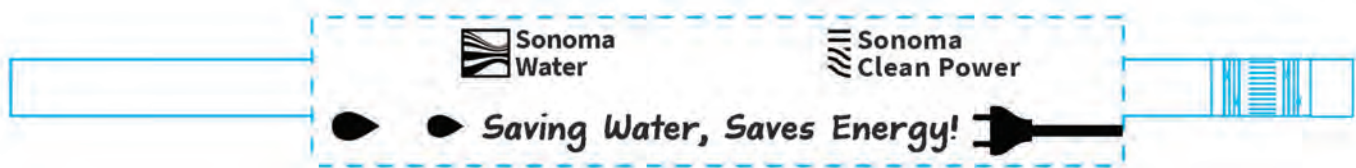
Following the second lesson, teachers are given the choice to fill out a paper evaluation with a self-addressed stamp envelope or are sent a google link for an online evaluation form. Five of the 13 teachers returned evaluations. The responses were positive and all would sign up again next year. One respondent wished for more time for discussion. More effort will be made to emphasize the need for evaluations to be returned and perhaps we will need to develop some incentive or ask it be completed before leaving the classroom.

Student thank you notes are not as frequent in the later grades. Perhaps there's another way to get their feedback about the lesson.

2. Student Giveaways

As part of our Sonoma Water educational materials program, we provide teachers with classroom items such as pencils, folders, pencil sharpeners, maps, and posters that when requested will be sent to their classrooms, free of charge. Since our partnership began three years ago, we have integrated water and energy themes into some of our most popular items and shared the costs. **For the 2019-2020 school year, we gave away 3,201 toothbrushes, 17,667 rulers and 127 Sonoma Clean Power Posters.** Those numbers would be higher if not for the many disruptions to the school year including power outages, Kincade Fire, and COVID-19.

This year we created a water and energy themed pencil and ordered 60,000 which will last approximately two years. After splitting the cost with Sonoma Water, the total cost to SCP was \$4,082.76 (see proof below). The pencil will be teal with white text.



This was the second year we purchased bamboo toothbrushes as giveaways in our 3rd grade program (see below) ordering 2,500 toothbrushes at a cost of \$3,500 to SCP.

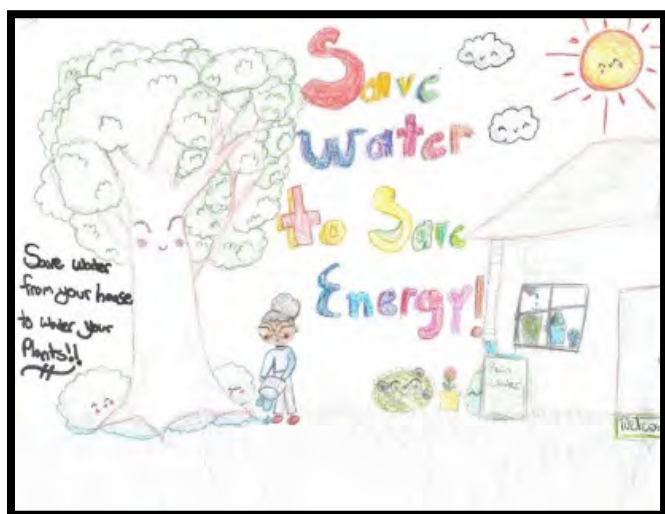


3. Water Awareness Poster Contest

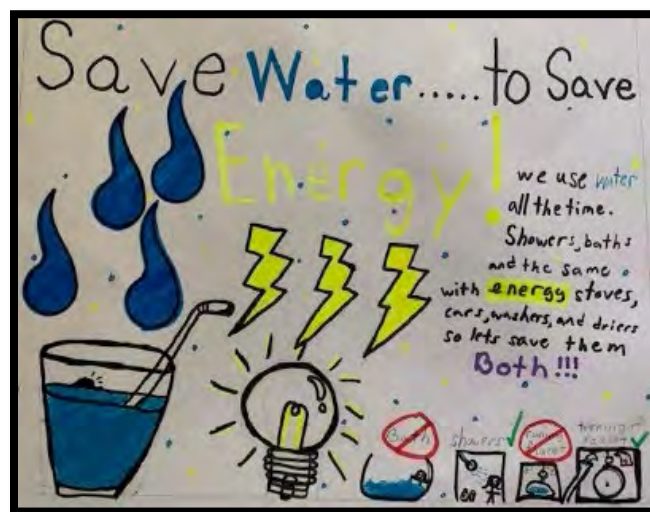
The 2019-2020 school year was the 26th year that Sonoma Water and the Saving Water Partnership has carried out an annual art contest for students in 3rd-6th grades. The chosen artwork is printed in the Water Awareness Calendar and distributed to all teachers within Sonoma Water's service area. This year, we also mailed 397 calendars to teachers in SCP service area.

This was the third year we added an energy related theme for 4th graders, ***Save Water to Save Energy!*** 27 4th grade teachers from 12 schools with a total of 750 student participants (nearly the same number of participants as in 2018-2019).

Normally, the deadline to return posters is April 1st but due to school closures beginning in mid-March, we extended the deadline to June 1st. We also offered teachers and students the option to send their submissions digitally via email or google docs. In an effort to solicit new participants, we created videos for students and their parents to watch together instructing them how to participate from home. Emails were sent to each teacher that signed up explaining program changes with links to the videos. We received submissions from 15 4th grade teachers. A virtual judging event will take place at the end of June and will include two chosen from the 4th grade finalists. Unfortunately, the awards ceremony held in May was canceled due to COVID-19. Each student winner will still receive a certificate and a t-shirt with their artwork printed on the front. Teachers will receive a \$50 gift certificate for school supplies.



4th grader, Dunham Elementary School,
Petaluma, finalist submission 2020



4th grader, St. Vincent de Paul,
Petaluma, finalist submission 2020

4. Teacher Workshops

A climate change teacher workshop was in the planning stages to occur in the summer of 2020 but was not scheduled. We hope to carry out a multi-day workshop in partnership with other environmental organizations in the summer of 2021.

5. ZunZun Musical Assembly Program

This was the third year that ZunZun integrated messages and activities related to the connection between water use and energy and the problems associated with burning fossil fuels into their musical assembly program. As part of their program, they send teachers suggested activities to do with their students before and after the assembly such as carrying out a “carbon-free” day at school. They also provide a parent letter that encourages families to take action at home.

Twenty-two assemblies were carried out in-person but unfortunately, the remaining 14 assemblies had to be canceled due to COVID-19 and school closures (Table 4). Prior to school closures, ZunZun was on track to see 10,230 students, just below last year's student total of 10,756.

Beginning in mid-March and in light of the rapidly changing school environment, ZunZun quickly transitioned their assembly program to digital formats. They created short and long videos with stories, songs, music, and movement for a student audience. Videos were uploaded to the ZunZun YouTube channel and links were sent to every school who signed up in 2019-2020. Realizing the difficulty in tracking school participation, ZunZun created a google form with video segments and short answer questions that allowed them to more carefully track use. Google forms were in English and Spanish hoping to reach parents and students at home. Based on the number of video views and users of their google form, they reached at least 3,645 students, almost as many students whose assemblies were canceled. This was a commendable achievement given the unprecedented circumstances.

Table 4. Summary table of schools registered for the ZunZun musical assembly program 2019-2020.

County	Town or City	# of Schools	# of Assemblies	# of Students	Participated in Distance Learning
Live In-Person Assemblies Carried Out					
Sonoma	Cotati	1	1	384	Y
	Petaluma	3	3	761	Y
	Rohnert Park	1	2	438	Y
	Sebastopol	1	2	414	Y
	Sonoma	2	2	578	Y
	Santa Rosa	9	12	3772	Y
Subtotal		17	22	6,347	
Canceled Assemblies					
Mendocino	Fort Bragg	2	4	815	Y
	Potter Valley	1	1	215	Y
Sonoma	Glen Ellen	1	1	183	N
	Guerneville	1	1	458	Y
	Petaluma	1	1	409	N
	Rohnert Park	1	2	445	Y
	Santa Rosa	1	1	352	N
	Sebastopol	1	1	453	Y
	Windsor	2	2	553	Y
Subtotal		11	14	3,883	
TOTAL				10,230	
# of video views and google forms used in distance learning				3,645	

6. Community Events

Two of the largest community outreach events where we planned to offer energy education opportunities were canceled. The first, North Bay Science Discovery Day on October 26, 2019, was canceled due to the Kinkade Fire. The photo below shows our shared space ready to go right before we were asked to dismantle it. The second was the Earth Day OnStage event in downtown Santa Rosa, which was scheduled for April 26th, 2020. These events were expected to draw up to 19,500 visitors. A smaller event called, *Expanding Your Horizons* (see flyer below) was a STEAM workshop in which 75 8th grade girls signed up to participate in our 55-minute Wind Challenge workshop. The lesson involves designing, constructing, and testing wind blades on small turbines. This event was scheduled for March 28th, 2020 but was canceled due to COVID-19. Another small event at a Petaluma elementary school was canceled due to COVID-19. This was an Earth Day celebration and would have been our second year providing solar and wind activities to approximately 90 elementary students. The last event of the school year, the Mike Hauser Algebra Academy, scheduled in June, was canceled. Approximately 25 9th graders were to spend several weeks learning from local organizations how math is applied in the real world. During the last two years, students participated in two sessions learning about electricity, renewable energy, and calculating watt- hours used by appliances in the home and in pumping water.



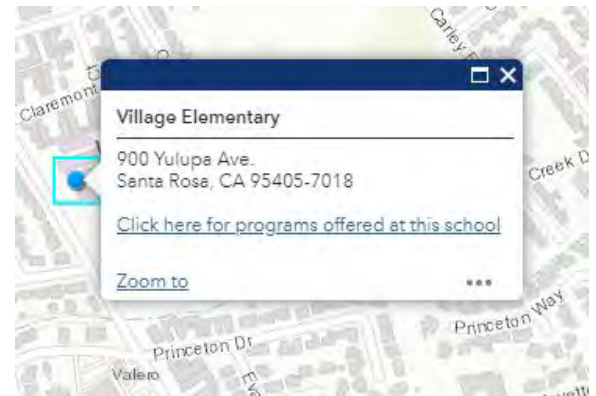
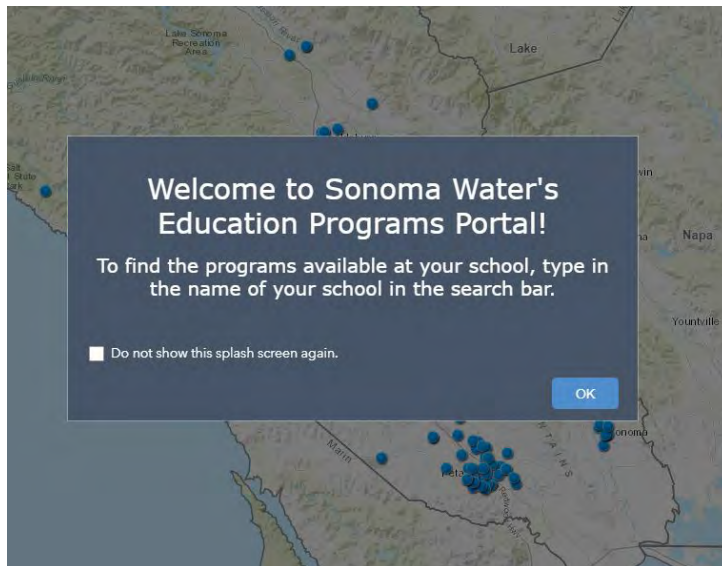
North Bay Science Discovery Day, Sonoma County Fairgrounds, Oct. 26, 2019 just before were told to evacuate due to the Kinkade Fire.



Expanding Your Horizons Flyer. STEAM workshop for 8th grade girls from Sonoma, Mendocino, and Lake Counties.

7. GIS-based Map and Searchable Database

A GIS-based map and database were created to assist teachers in locating the educational programs and materials available to them based on their school location: [Sonoma Water - Find The Education Programs Available At Your School Site](#). We intend to include the map on our new Water and Energy Education website which is currently a contract that will go out to bid. We planned to beta test the map on our existing website at the start of the 2020 school year, but with the uncertainty regarding class visits and COVID-19, we are not sure what programs we will be able to offer teachers in the fall.





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 April 30, 2020, and for determining that the budgetary basis of accounting is an acceptable financial reporting framework. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the accompanying statement nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any assurance on this special purpose budgetary comparison statement.

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

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

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

Maher Accountancy

San Rafael, CA
May 28, 2020

SONOMA CLEAN POWER AUTHORITY
OPERATING FUND
BUDGETARY COMPARISON SCHEDULE
July 1, 2019 through April 30, 2020

	2019/20 YTD Amended Budget	2019/20 YTD Actual	2019/20 YTD Budget Variance (Under) Over	2019/20 YTD Actual/ Amended Budget %	2019/20 Amended Budget	2019/20 Amended Budget Remaining
REVENUE AND OTHER SOURCES:						
Electricity (net of allowance) *	\$ 159,702,000	\$ 154,450,386	\$ (5,251,614)	97%	\$ 196,600,000	\$ 42,149,614
Evergreen Premium (net of allowance)	397,224	494,142	96,918	124%	489,000	(5,142)
CEC Grant	3,966,667	2,907,541	(1,059,126)	73%	4,760,000	1,852,459
BAAQMD grant	83,333	121,250	37,917	0%	100,000	(21,250)
Interest income	1,104,167	1,229,030	124,863	111%	1,325,000	95,970
Total revenue and other sources	165,253,391	159,202,349	(6,051,042)	96%	203,274,000	44,071,651
EXPENDITURES AND OTHER USES:						
CURRENT EXPENDITURES						
Cost of energy and scheduling	123,864,303	123,714,927	(149,376)	100%	150,630,000	26,915,073
Data management	2,631,667	2,645,302	13,635	101%	3,158,000	512,698
Service fees- PG&E	800,833	801,795	962	100%	961,000	159,205
Personnel	3,608,333	3,448,444	(159,889)	96%	4,330,000	881,556
Outreach and communications	800,000	643,013	(156,987)	80%	960,000	316,987
Customer service	334,405	295,815	(38,590)	88%	367,000	71,185
General and administration	430,833	447,091	16,258	104%	505,000	57,909
Legal, regulatory and compliance	918,333	797,583	(120,750)	87%	1,102,000	304,417
Accounting	175,833	143,870	(31,963)	82%	211,000	67,130
Legislative	65,000	65,000	-	100%	78,000	13,000
Other consultants	133,333	138,884	5,551	104%	160,000	21,116
CalCCA Trade Association	366,667	275,000	(91,667)	75%	440,000	165,000
Program implementation	2,250,000	1,578,837	(671,163)	70%	2,700,000	1,121,163
Program - CEC grant	7,000,000	4,273,123	(2,726,877)	61%	8,400,000	4,126,877
Program development and evaluation	41,667	2,348	(39,319)	6%	50,000	47,652
Total current expenditures	143,421,207	139,271,032	(4,150,175)	97%	174,052,000	34,780,968
OTHER USES						
Capital outlay	3,166,667	367,120	(2,799,547)	12%	3,800,000	3,432,880
Total Expenditures, Other Uses and Debt Service	146,587,874	139,638,152	(6,949,722)	95%	177,852,000	38,213,848
Net increase (decrease) in available fund balance	\$ 18,665,517	\$ 19,564,197	\$ 898,680	105%	\$ 25,422,000	\$ 5,857,803

* Represents sales of approximately 1,917,000 MWh for 2019/20 YTD actual.

	Current Balance	% of Long-Term Term Target	Long-Term Target Balance
RESERVES			
Operating Cash Reserve	\$ 58,780,000	66%	\$ 88,926,000
Program Cash Reserve	10,755,000	60%	17,785,200
Collateral Cash Reserve	2,164,000	14%	15,063,000
	\$ 71,699,000	59%	\$ 121,774,200

SONOMA CLEAN POWER AUTHORITY
OPERATING FUND
BUDGET RECONCILIATION TO STATEMENT OF
REVENUES, EXPENSES AND CHANGES IN NET POSITION
July 1, 2019 through April 30, 2020

Net increase (decrease) in available fund balance per budgetary comparison schedule:	\$ 19,564,197
Adjustments needed to reconcile to the changes in net position in the Statement of Revenues, Expenses and Changes in Net Position:	
Subtract depreciation expense	(54,091)
Add back capital asset acquisitions	<u>1,521,198</u>
Change in net position	<u><u>\$ 21,031,304</u></u>



ACCOUNTANTS' COMPILATION REPORT

Management
Sonoma Clean Power Authority

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

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

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

Maher Accountancy

San Rafael, CA
May 28, 2020

SONOMA CLEAN POWER AUTHORITY

STATEMENT OF NET POSITION

As of April 30, 2020

ASSETS

Current assets	
Cash and cash equivalents	\$ 68,091,868
Accounts receivable, net of allowance	16,831,926
Other receivables	2,982,856
Accrued revenue	7,296,911
Prepaid expenses	1,102,486
Deposits and other current assets	757,079
Investments	20,185,717
Total current assets	<u>117,248,843</u>
Noncurrent assets	
Land and construction-in-progress	6,300,285
Capital assets, net of depreciation	152,245
Deposits and other noncurrent assets	5,459,242
Total noncurrent assets	<u>11,911,772</u>
Total assets	<u>129,160,615</u>

LIABILITIES

Current liabilities	
Accounts payable	1,275,935
Accrued cost of electricity	12,453,383
Advanced from grantors	323,375
Other accrued liabilities	1,746,376
User taxes and energy surcharges due to other governments	411,685
Total current liabilities	<u>16,210,754</u>

NET POSITION

Investment in capital assets	6,452,530
Unrestricted	106,497,331
Total net position	<u>\$ 112,949,861</u>

SONOMA CLEAN POWER AUTHORITY
STATEMENT OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
July 1, 2019 through April 30, 2020

OPERATING REVENUES

Electricity sales, net	\$ 154,449,676
Evergreen electricity premium	494,142
Grant revenue	3,028,791
Total operating revenues	<u>157,972,609</u>

OPERATING EXPENSES

Cost of electricity	123,714,927
Contract services	9,559,128
Staff compensation	3,497,400
General and administration	840,803
Program rebates and incentives	504,696
Depreciation	54,091
Total operating expenses	<u>138,171,045</u>
Operating income	<u>19,801,564</u>

NONOPERATING REVENUES (EXPENSES)

Interest income	1,229,030
Other nonoperating revenue	710
Total nonoperating revenues (expenses)	<u>1,229,740</u>

CHANGE IN NET POSITION

	21,031,304
Net position at beginning of period	<u>91,918,557</u>
Net position at end of period	<u><u>\$ 112,949,861</u></u>

SONOMA CLEAN POWER AUTHORITY

STATEMENT OF CASH FLOWS July 1, 2019 through April 30, 2020

CASH FLOWS FROM OPERATING ACTIVITIES

Receipts from customers	\$ 160,604,854
Receipts from grantors	1,021,283
Other operating receipts	20,000
Payments to electricity suppliers	(123,910,917)
Payments for other goods and services	(10,080,265)
Payments for staff compensation	(3,544,170)
Tax and surcharge payments to other governments	(2,218,461)
Payments for program rebates and incentives	(706,621)
Net cash provided (used) by operating activities	<u>21,185,703</u>

CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES

Payments to acquire capital assets	<u>(1,884,052)</u>
------------------------------------	--------------------

CASH FLOWS FROM INVESTING ACTIVITIES

Interest income received	925,541
Proceeds from certificates of deposit matured	10,274,237
Purchase of certificates of deposit	(20,000,000)
Net cash provided (used) by investing activities	<u>(8,800,222)</u>

Net change in cash and cash equivalents (including County Investment Pool)	10,501,429
Cash and cash equivalents at beginning of year	<u>57,590,439</u>
Cash and cash equivalents at end of year	<u><u>\$ 68,091,868</u></u>

SONOMA CLEAN POWER AUTHORITY
STATEMENT OF CASH FLOWS (continued)
July 1, 2019 through April 30, 2020

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

Operating income	\$ 19,801,564
Adjustments to reconcile operating income to net cash provided (used) by operating activities	
Depreciation expense	54,091
Revenue adjusted for allowance for uncollectible accounts	1,186,246
(Increase) decrease in:	
Accounts receivable	(769,265)
Other receivables	(1,795,138)
Accrued revenue	3,112,240
Prepaid expenses	514,650
Deposits	(425,000)
Increase (decrease) in:	
Accounts payable	(129,433)
Accrued cost of electricity	(1,187,665)
Advance from grantors	(121,250)
Accrued liabilities	1,045,910
User taxes due to other governments	(86,647)
Supplier security deposits	(14,600)
Net cash provided (used) by operating activities	<u>\$ 21,185,703</u>

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Staff Report - Item 06

To: Sonoma Clean Power Authority Community Advisory Committee

From: Neal Reardon, Director of Regulatory Affairs
Geof Syphers, CEO

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

Date: June 24, 2020

Requested Action:

Receive Legislative and Regulatory Updates and Provide Feedback as Appropriate.

Regulatory Update

CPUC PG&E Bankruptcy Order Instituting Investigation

On May 28, 2020, the CPUC unanimously approved PG&E's restructuring plan to allow the company to emerge from bankruptcy. This makes it very likely that PG&E will satisfy all the criteria of AB 1054 insurance, and meet the June 30, 2020 deadline set by Governor Newsom. In their comments, the Commissioners were supportive of PG&E, frequently praising the corporation, and presented a unified voice in favor of PG&E continuing as a for-profit corporation with the right to serve under California monopoly utility rules, retaining its Certificate of Public Convenience and Necessity. According to the CPUC, among other things the decision:

- Approves reorganization plan of Pacific Gas and Electric Company (PG&E) and its holding company PG&E Corporation (PG&E Corp.) pursuant to the requirements of Assembly Bill 1054 (Stats. 2019, Ch.79) with conditions and modifications.
- Adopts, with some modifications, certain Assigned Commissioner Ruling Proposals to require changes to PG&E's governance structure and management, and for PG&E to submit to an enhanced regulatory oversight process.

- Approves cost recovery of financing fees associated with PG&E's emergence from bankruptcy.
- Denies cost recovery of professional fees associated with the bankruptcy.
- Denies cost recovery of wildfire liabilities from 2017 and 2018 except in connection with separate securitization application.
- Approves PG&E request to issue new debt and securities to finance bankruptcy exit plan. Grants PG&E conditional waiver from its authorized capital structure.
- Directs PG&E to pay the Commission's professional fees associated with the bankruptcy proceedings.

The CPUC agenda also states that “There is an estimated net savings to ratepayers associated with PG&E's refinancing of existing debt as a result of reorganization plan.” However, SCP was not able to immediately access the details supporting this claim. SCP staff will work with CalCCA to ensure that every effort is made to block future efforts to illegally pass disallowed costs on to ratepayers.

In other related news, PG&E announced it plans to move its headquarters to Oakland and sell its San Francisco buildings within five years. PG&E also announced eleven new directors on its board, leaving just three of the existing directors. On June 17, rating agencies assigned new credit ratings for PG&E, which were below investment grade, as expected.

Resource Adequacy

On June 11th, the CPUC approved a Decision that will create a “Central Buyer” for local resource adequacy (RA). Beginning in 2023, PG&E will charge our customers for the costs of local RA purchased on their behalf. This diminishes SCP’s ability to invest in local and preferred clean resources. Staff are actively seeking ways to ensure CCA investments in local batteries, microgrids and renewable energy will retain full value.

Many stakeholders, including SCP and CalCCA, worked together to recommend an alternate proposal that would limit a central buyer’s purchases to amounts of RA that CCAs had failed to purchase – a true backstop function. However, the CPUC rejected this proposal. Unfortunately, the CPUC’s decision detracts from CCAs’ ability to purchase the resources our communities desire, and increases the costs PG&E will

pass on to our customers. It also calls into question how existing and future CCA contracts that provide Resource Adequacy will be treated.

SCP and CalCCA's advocacy did reduce the harm this Decision brings. The Decision now calls for a diverse Working Group to develop a recommendation for how the utilities should grant credit to electricity providers like SCP that have renewable contracts providing Local RA. The intent of this is to capture value from existing contracts, and allow for groups like CCAs to develop cleaner projects in line with their mission.

Reforms to the Resource Adequacy program continue. The CPUC recently launched a venue to discuss broad reforms to the RA program. SCP and CalCCA are already engaged in that discussion and will work to keep costs low while protecting CCA autonomy and maintaining reliability.

A CalCCA press release describing the same Decision is available here:

<https://cal-cca.org/calcca-statement-on-the-cpucs-central-procurement-decision/>

Legislative Update

Despite identifying a \$54 billion shortfall in the May Revise released on May 8th, the Assembly and Senate have passed a budget that is now sitting on the Governor's desk. The proposed budget relies heavily on \$14 billion in expected federal support, which, if not received by October 31, would trigger cuts to most sectors, including schools. The Governor has until June 30 to pass the budget, but already there is talk of reconvening in July to consider a revision to the budget based on new economic forecasts relating to the impacts of COVID-19.

CalCCA has been monitoring some energy resiliency investments. One item in the budget that was proposed back in January provides \$50 million in grants for local governments to provide backup power to critical services vulnerable to power outages such as schools, election offices, and food storage reserves. Despite many proposals being scrapped in the May Revise due to declining revenues, this program is still in the budget.

Unfortunately, the \$250 million allocated as part of the Governor's climate resiliency plan that would have allocated \$25 million for local community planning and \$225 million for microgrid and other projects, did not survive the cuts made to the budget in May.

AB 111 (Ch. 81, Stats. 2019) added \$50.1 million in the 2019-20 budget for the California Public Utilities Commission (CPUC) to review and enforce utility wildfire mitigation plans and the implementation of AB 1054 (Ch. 79, Stats. 2019). You will recall these bills were enacted to facilitate consumer access to safe, reliable, and affordable power by providing a durable solution to the problems arising from utility-caused wildfires. These bills established a new Wildfire Safety Division, created procedures and standards applicable to catastrophic wildfire proceedings, codified the prudent manager standard for wildfire liability, and established a Wildfire Fund and mechanisms to capitalize the fund to protect ratepayers. With the passage of AB 1054, the CPUC opened a proceeding to evaluate PG&E's proposed plan (Plan A) for exiting bankruptcy.

During Marybel Batjer's Senate confirmation hearing on May 27th, she stated the CPUC has established a plan (Plan A) to hold PG&E accountable for operating as a safe and reliable utility through a series of monitoring steps and to exit bankruptcy. The final two steps of Plan A state that a receiver would be appointed to take over PG&E's utility operations and the CPUC would revoke PG&E's license to operate in California if the initial three steps are not met. The CPUC will be voting on Plan A on May 28th which outlines the reforms to the governance and organization of PG&E. SCP supported Ms. Batjer's confirmation to the CPUC at the Senate Rules Committee confirmation hearing.

However, if Plan A does not work, Senators Hill and McGuire have introduced, on behalf of the Newsom Administration, [SB 350](#) otherwise known as "Plan B." SB 350 would replace PG&E by a non-profit public benefit company called "Golden State Energy" if it is determined PG&E has operated unsafely in the future and causes more catastrophes such as major wildfires or explosions. SB 350 provides the CPUC with the statutory authority to implement "Step 5," if necessary, by seeking appointment of a receiver to operate PG&E. It is important to note that the CPUC has existing authority to revoke PG&E's license to operate in California (Certificate of Public Convenience and Necessity - CPCN), but the framework to allow a new operator to ensure continuous service is not currently in statute. SB 350 would provide for an orderly transfer of the company to a new operator, in the event PG&E's CPCN is revoked.

Staff do not currently recommend a position on SB 350.

A handful of bills have been introduced and are moving quickly through the committees. SCP took positions on the following bills, consistent with the Board's adopted Legislative Policy.

SB 862 (Dodd) - PSPS Events - Support

Provides greater coordination between electrical corporations and local governments as it relates to PSPS events. The coordination will assist in determining where community resource centers can be established and operated during a de-energization event along with the type of services being provided at the centers. SB 862 also requires electrical corporations to coordinate with local governments to ensure mobile backup generators can be located at the community resource centers during a PSPS event.

SB 1117 (Monning) - Master-Meter Customers - Support

Ensures residents at mobile home parks, apartment buildings or similar residential complexes that receive their electrical service by a master-meter customer are charged the rates billed by the load-serving entity and not the rate charged by the third-party biller.

SB 1312 (McGuire) - Electrical Corporations: Undergrounding of Infrastructure & PSPS Events - Support

Requires IOUs to notify the CPUC, the Office of Emergency Services, and the Department of Forestry and Fire Protection of potential PSPS events. SB 1312 also requires IOUs to identify and report to the CPUC its transmission and distribution infrastructure that is most likely to cause a PSPS and create a timeline for the necessary infrastructure to be hardened by July 1, 2025.

SB 1448 (Bradford) - Wildfire Mitigation Plans/Workforce Diversity - Support

Requires IOUs wildfire mitigation plan to include a description of how the IOU and its contractors will develop a diverse workforce to complete the vegetation management, system hardening, and grid modernization work.

Legislative Calendar

Assembly

June 19 Last day for Assembly to pass bills introduced in the Assembly

June 19 Summer Recess

Senate

*May 29 Last day for Policy committees to hear and report to fiscal committees
fiscal bills introduced in the Senate*

*June 5 Last day for policy committees to hear and report to the floor non-fiscal
bills Introduced in the Senate*

June 15 Budget bill must be passed by midnight

*June 19 Last day for fiscal committee to hear and report to the floor bills
introduced in the Senate*

June 22-26 Senate Floor Session Only

June 26 Last day for Senate to pass bills introduced in the Senate
July 2 Summer Recess

Assembly & Senate Calendars are the same as of July 13.

July 13 Legislature reconvenes from summer recess
July 31 Last day for policy committees to hear and report fiscal bills to fiscal committees
August 7 Last day for policy committees to meet and report bills
August 14 Last day for fiscal committees to meet and report bills
August 17-31 Floor Session Only
August 21 Last day to amend bills on the Floor
August 31 Last day for each house to pass bills. Final recess begins upon adjournment.



Staff Report - Item 07

To: Sonoma Clean Power Community Advisory Committee

**From: Michael Koszalka, Chief Operations Officer
Ryan Tracey, Energy Analyst**

Issue: Receive Update on Impacts of COVID-19 to SCP

Date: June 24, 2020

SCP Response to COVID-19

This is staff's regular update the Committee on the impacts of COVID-19 on SCP's operations.

- SCP has completed a Phase 2 Office Re-opening Plan following guidelines from several agencies including CDC, OSHA, State and County health officials. However, we do not yet have a date that we can start re-opening the office.

SCP Contracted with Local Economists for Forecasting Inputs

Due to the unprecedented disruption to the economy caused by the COVID-19 pandemic and shelter-in-place directives by the State and County, the complexity and variability of the economic inputs SCP uses to forecast peak demand and energy greatly increased. Accurate forecasting is important to SCP's economic stability. Large errors in forecasting can be costly.

To improve the quality of the economic inputs to our forecasting model, SCP contracted with two highly credentialed economists with awareness of SCP's local economy in developing this updated forecast: Dr. Robert Eyler of Sonoma State University and Dr. Jon Haveman of the National Economic Education Delegation. Eyler and Haveman studied currently available macroeconomic forecasts for the United States and California along with historical county-specific economic data and the demographics of SCP's customers and associated load to project residential, small commercial, and large commercial meter counts. Their forecast specifically evaluated the vulnerability of industry sectors and their proportional representation in SCP's load. Additionally, the study estimated changes in EV sales rates due to the economic downturn.

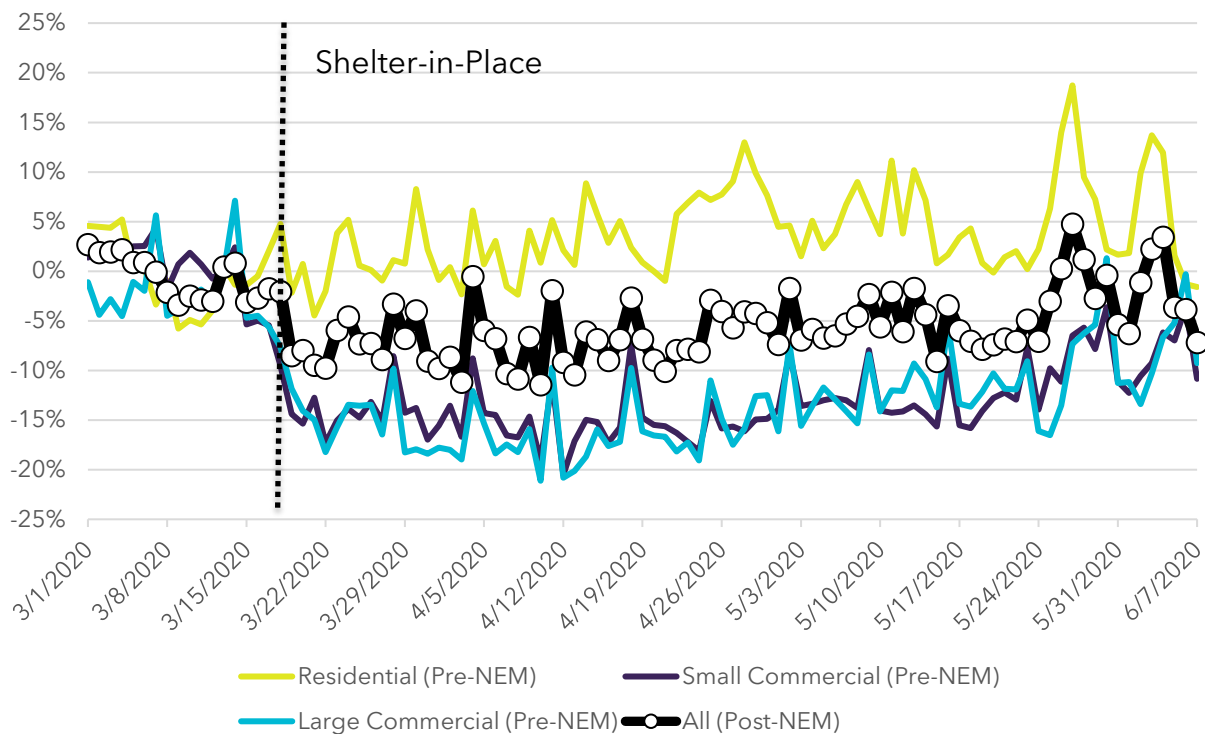
A summary presentation of the results of the economists work in May were presented to the SCP BOD in their meeting on June 4, 2020 by Dr. Jon Haveman. The presentation deck can be found here:

<https://sonomacleanpower.org/uploads/documents/June-4-2020-Economic-Forecast-Presentation-to-the-Board-of-Directors-by-Dr.-Jon-Haveman.pdf>

SCP Load Impact from COVID-19

The impact of COVID-19 shelter-in-Place on SCP's load is much more dynamic than described in previous staff reports. Increased air conditioning load and the opening of new commercial sectors both increased the magnitude of energy usage and the sensitivity of COVID's impact to weather conditions. Whereas usage was stably tracking 5% below pre-COVID-19 conditions in mid-May, usage in the last two weeks of available data (5/25-6/8) averaged only 1.5% below pre-COVID conditions. Usage in the last two weeks ranged from 7.2% below pre-COVID conditions on cool days to 4.7% above pre-COVID conditions during heat waves. Figure 1 below shows the trend in daily usage data by customer type since the beginning of March. Although recent data is noisy, commercial usage clearly increased in response to the lifting of shelter-in-place. Commercial usage in the last two weeks averages 9% below pre-COVID compared to an impact nearly double that at the beginning of the shelter-in-place order. During the same two weeks, residential usage tracked 7% above what was forecast pre-covid.

Figure 1. Daily SCP COVID-19 Impact by Customer Type



Impacts on Revenues and Power Costs

An estimate of revenue from power sales indicates COVID-19, weather, and adoption of new B rates will push revenue 10% below budget for May. Increased commercial activity, coupled with warm weather and less sensitivity to new rates is expected to narrow this gap significantly in June. With data through June 13, monthly revenue is projected to be only 3% below budget.

Although day-ahead load costs in CAISO continue to be low during shelter-in-place, SCP does not anticipate significant savings in average unit procurement cost. This is because most of our load is either hedged or contracted at a fixed price. However, SCP will realize some savings from the reduced volume, along with smaller obligations for RPS and carbon-free energy.

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Staff Report - Item 08

To: Sonoma Clean Power Authority Community Advisory Committee

From: Carolyn Glanton, Programs Manager

Issue: Recommend that the Board of Directors Delegate Authority to the CEO or his Designee to Negotiate, Execute, and Amend a Professional Services Agreement with TerraVerde Energy, LLC with a Not-to-Exceed amount of \$500,000 to Analyze Battery Storage Systems at Public Education Facilities

Date: June 24, 2020

Recommendation:

- Recommend that the Sonoma Clean Power Authority Board of Directors Delegate Authority to the Chief Executive Officer ("CEO") or his designee to negotiate, execute, and amend a Professional Services Agreement ("PSA") with TerraVerde Energy, LLC ("TerraVerde Energy") with a not-to-exceed amount of \$500,000 using SCP's standard form PSA with the attached scope of work (Exhibit A), and budget (Exhibit B).
- The scope of work is to analyze adding energy storage to public education facilities with existing solar. The contract term is for one year. The CEO or his designee may amend the agreement and increase the not-to-exceed budget by up to \$50,000, if needed.

Background:

At the encouragement of the Board of Directors to engage with SCP's member agencies on solar and resiliency topics, Staff in July 2019 issued a Request for Qualifications ("RFQ") for Consultant Services for Technical Analysis of Municipal Solar and Energy Storage. The RFQ sought qualified consultants to conduct a technical analysis of existing solar facilities owned by our member municipalities to maximize their value, determine feasibility of adding battery energy storage systems,

and identify the requirements and cost to disconnect from the grid during emergency events.

The RFQ drew considerable interest, with seventeen (17) respondents submitting a Statement of Qualifications ("SOQ"). Staff reviewed the SOQs and invited three firms for in-person interviews, selecting TerraVerde Energy to finalize a scope of work and enter into contract negotiations. SCP entered into a contract with TerraVerde on January 30, 2020.

While Staff continues to work with TerraVerde Energy on evaluating the feasibility at municipally-owned solar facilities, Staff began to explore the option of conducting a similar analysis for school districts, as many serve as emergency centers and many have existing solar system.

Discussion:

Under the attached scope of work, SCP and TerraVerde Energy plan to conduct a technical and feasibility analysis of existing school-owned solar facilities to:

- determine optimal equipment sizing & operating schedules for the batteries,
- determine the necessary components and potential costs that will be required for these systems to provide backup power support during grid outages,
- assess optimal tariffs to maximize the value of the solar PV + battery energy storage systems,
- evaluate & describe available incentives and funding sources including the Self-Generation Incentive Program (SGIP),
- evaluate costs & benefits to the Districts of adding battery energy storage to existing solar PV systems,
- evaluate the resiliency benefits of a solar + battery system,
 - Scenario 1: Resources sized for optimal economic performance
 - Scenario 2: Resources sized to support 25% of total facility load for a 2-day PSPS event
- analyze the feasibility for participation in the California Independent System Operator (CAISO) markets and provide ancillary grid services through SCP's GridSavvy program. Determine and describe the markets available for participation and ways to participate through GridSavvy, and
- analyze and recommend an appropriate incentive amount and structure for SCP.

TerraVerde Energy will deliver a report to each participating School District that describes the financial benefits, infrastructure implications, and considerations of coupling their existing solar system with added energy storage, and identifies all the potential funding sources to install an energy storage system available to schools.

Staff's request is that the Community Advisory Committee recommend the Board delegate authority to the CEO or his designee to negotiate and execute a professional services agreement with TerraVerde using the attached Scope of Services (Exhibit A) and Budget (Exhibit B).

Fiscal Impact:

The aggregate not-to-exceed amount under this time and materials agreement is \$500,000. The project will reach out to all 52 school districts within SCP territory, and up to 20 districts and 50 sites will be analyzed for the addition of a battery energy storage system due to factors such as location, infrastructure, usability, and costs. This agreement will be funded from the FY20-21 Programs Budget, under the "Distributed Energy Resources" category. Staff anticipates the work to be completed in 2021 before the end of the current fiscal year.

Attachments:

- Attachment A – Scope of Services for Professional Services Agreement with TerraVerde Energy, LLC for School Solar + Storage Technical Analysis

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

- Attachment B – Budget for Professional Services Agreement with TerraVerde Energy, LLC for School Solar + Storage Technical Analysis

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

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Item 09

From: Sonoma Clean Power Authority Community Advisor Committee

Issue: Committee Member Discussion on Whether to Recommend a Policy Position on Hydraulic Fracturing (aka "fracking") for Natural Gas

Date: June 24, 2020

Placeholder only, no staff report or staff presentation on this item.