



Sonoma Clean Power Programs Group Strategic Action Plan

Updated June 30, 2019

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Acronyms

BAAQMD - Bay Area Air Quality Management District
BayREN - Bay Area Regional Energy Network
CAISO - California Independent System Operator
CALeVIP - California Electric Vehicle Infrastructure Project
CCP - Center for Climate Protection
CEC - California Energy Commission
CSE - Center for Sustainable Energy
CTE - Career Technical Education Foundation
CPUC - California Public Utilities Commission
DCFC - Direct Current Fast Charger
DRRS - Demand Response Reporting System
DNV-GL - An energy efficiency consultant
DIY - Do-It-Yourself
eMW - Electric Motor Werks
EM&V - Evaluation, Measurement and Verification
EV - Electric Vehicle
GHG - Greenhouse Gasses
HVAC - Heating, Ventilation and Air Conditioning
JPA - Joint Powers Authority
LCFS - Low Carbon Fuel Standard
MCAQMD - Mendocino County Air Quality Management District
MCE - MCE Clean Energy
NEM - Net Energy Metering
NRDC - Natural Resources Defense Council
NSCAPCD -Northern Sonoma County Air Pollution Control District
MW - Megawatt
PG&E - Pacific Gas and Electric
RCPA - Regional Climate Protection Authority
SCP - Sonoma Clean Power
SCTA - Sonoma County Transportation Authority
TNC - Transportation Network Company (Uber, Lyft)

Executive Summary

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

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

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

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

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

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

Significant Progress

SCP has implemented the following activities in the Programs Section:

- 1) The GridSavvy program resulted in the shipment of 2,456 (as of 6/01/19) electric vehicle charging stations to SCP customers and is the genesis of a locally controlled demand response program.
- 2) Do-It-Yourself Energy and Water Saving Toolkits, which include basic energy and water efficiency tools and products, have been placed in almost all Sonoma County and Mendocino County libraries. The 41 toolkits in circulation can be checked out just like a book and have proven to be very popular, with over 550 checkouts (*as of 4/01/19*) since inception in November 2016.
- 3) The Education Program for Schools in partnership with Sonoma Water was initiated in the Fall of 2017. A contract to continue the program through FY 19/20 was approved by SCP's Board.
- 4) A Demand Charge Reduction Program was implemented to assist large commercial and industrial customers in reducing demand charges on their bills. Nineteen (19) large commercial and industrial customers have been contacted for participation.
- 5) Induction Cooktop Experience, a program that loans portable electric induction cooktops to customers, has seen 123 loans take place. A survey showed that customers overwhelmingly liked the new cooking experience with 44% of participating customers surveyed stating they made the switch to induction cooking. Daily Acts in Petaluma will start lending cooktops from their headquarters.
- 6) A program to incentivize the purchase of EV's by local non-profits has resulted in 7 EV's being placed and 2 non-profits under contract searching for an EV (as of 05/30/19).
- 7) The Advanced Energy Rebuild program has been created in cooperation with PG&E and the BAAQMD to incentivize those rebuilding their homes after the 2017 fires to do so in an energy efficient manner. To date we have had 196 applications (as of 6/01/19) to the program.
- 8) SCP was awarded a \$9.8M grant from the CEC to promote energy efficiency in the residential built environment. SCP is required to provide \$3.3M in matching funds for a total of \$13.1M. We have begun the research phase of the grant and installations of monitoring equipment in 15 residential homes have been completed. Additionally, we have leased a store in downtown Santa Rosa to house the marketplace (The

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Advanced Energy Center) envisioned by the grant. Construction on improvements to the space are expected to commence soon.

New Programs

SCP is including the following new activities in the plan:

- 1) Pursuing CALeVIP funding from the CEC to incentivize publicly available EV charging stations in Sonoma and Mendocino counties. This is being done in cooperation with, BAAQMD, CEC, CSE, MCAQMD, NSCAPCD, and the RCPA.
- 2) Working with the public transit agencies in Sonoma and Mendocino counties on a study to identify the electric infrastructure they will need in place to take their services all-electric.
- 3) Working with each SCP jurisdiction to identify the most likely locations for Level 3 charging stations
- 4) Working with RCPA & Sonoma County ESD to develop ongoing certification courses, youth EE education classes, and EE technology demonstrations that will occur at the new storefront.
- 5) Establishing a methodology for a customer to commit to 20-year purchase of EverGreen in lieu of building on-site renewable energy.
- 6) School Bus Program - Staff are researching how SCP may be of assistance to local school bus operators in switching to electric buses.
- 7) Investigating how best to pair battery storage with existing or planned solar systems at municipal facilities.
- 8) Claiming of LCFS credits associated with EV charger program to expand future program offerings.
- 9) Assisting member jurisdictions with the implementation of building “reach” codes that help reduce greenhouse gas emissions.
- 10) Investigating the potential for an incentive towards the purchase of E-bikes.

Discontinued Programs

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

- 1) Grid Alternatives: In 2018 we partnered with Grid Alternatives on a mailing campaign to make eligible SCP customers aware of their low-income solar installation program. Due to State budget cuts, Grid Alternatives was not able to fund solar installations in SCP territory this year. We will keep in touch with them and resume our cooperative relationship if funding becomes available.
- 2) Promote the use of electric vehicles in TNC operations: SCP ran a pilot program with Uber where SCP incentivized Uber drivers \$1 per ride if they drove an electric car. Due to low uptake and disinterest from Uber, the pilot program was not extended.

Program Strategies and Levels of Action

This plan identifies eight program strategies:

- Program Strategy 1. Promote the Use of Electric Vehicles in Transportation
- Program Strategy 2. Promote Fuel Switching in New and Existing Building Stock
- Program Strategy 3. Identify and Apply for External Funding to Support Programs
- Program Strategy 4. Promote the Aggregation of Loads and Resources
- Program Strategy 5. Support the Integration of Distributed Energy Resources in SCP’s Territory
- Program Strategy 6. Support the Transition to Carbon Free Building Codes and Practices
- Program Strategy 7. Test and Evaluate the Use of New Technologies
- Program Strategy 8. Promote Public Education Involving Energy Efficiency and Fuel Switching

This plan identifies three levels of action:

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

Program Strategy One

(PS1)

Promote the Use of Electric Vehicles in Transportation

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

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

Immediate Action One:

Promote Transit and School Bus Electrification.

Project: Determine infrastructure needs for electrification

Status: SCP contracted for consultant services to analyze the infrastructure needs of transit agencies to upgrade their fleets to all electric propulsion. SCP staff have created a spreadsheet of all the school bus operators in our service territory. This list will be used to communicate potential SCP programs.

Involved Parties: RCPA, Sonoma County Transit, Santa Rosa City Bus, City of Petaluma, Mendocino Transit Authority, Cadmus.

Immediate Action Two:

Provide Free Charging Stations.

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

Status: Contract with eMotorWerks to continue free charging station program through June 2020 is in negotiations. SCP is working to claim LCFS credits for this program, which will help expand EV program funding in future years.

Involved Parties: eMotorWerks, Olivine.

Immediate Action Three:

Provide electric mobility solutions for local non-profits.

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

Status: SCP has implemented a program that provides \$12,500 towards the purchase or lease of an EV by non-profits. To date, 7 non-profits have taken advantage of this incentive, while an additional 2 non-profits are under contract and searching for a vehicle. It is anticipated that this program will

be continued in FY 19/20.

Involved Parties: RCPA, local non-profits.

Immediate Action Four:

Apply for EV Charging Infrastructure Funding From the CEC.

Project: The CEC launched CALeVIP to work with local partners to develop and implement EV charge incentive projects that meet regional needs. Funds are provided from the Alternative and Renewable Fuel and Vehicle Technology Program.

Status: SCP has organized an effort with all the Air Districts in SCP territory to seek implementation of a CALeVIP project. A letter of intent has been submitted to the CEC for project implementation in 2020. If successful, SCP would commence work in Summer/Fall 2019 with a launch in Q1 2020.

Involved Parties: RCPA, BAAQMD, NSCAPCD, MCAPCD, CSE, CEC.

Immediate Action Five:

Increase Level 3 (DCFC) Charging Opportunities in our Service Territory.

Project: Identify potential sites for Level 3 DCFC charging stations in each SCP jurisdiction. Release an RFP to EVSE vendors to judge interest in Level 3 infrastructure projects in SCP territory.

Status: SCP staff have been working with staff of our jurisdictions to identify likely sites for Level 3 charging stations.

Involved Parties: RCPA, SCP member jurisdictions.

Near Term Action One:

Promote the use of Electric Vehicles in Car Sharing

Project: Electric Car Sharing.

Status: Explore a partnership with a car sharing provider to provide incentives to EVs in SCP territory offered on provider's service.

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

Near Term Action Two:

Investigate Expansion of Free Charging Station Program to Multifamily Properties.

Project: Develop incentive program/resources for multifamily property owners and residents interested in installing charging stations. Serve as a single point of contact in directing larger properties (capable of hosting 20+ chargers) to PG&E program.

Status: This program is on hold due to consultant staff turnover.

Involved Parties: BayREN, PG&E CSE, BAAQMD.

Near Term Action Three:

Foster electric vehicle adoption in low-income multifamily properties.

Project: Collaborate with low-income multifamily developers and stakeholders to identify structures that will promote adoption of electric vehicles in this difficult market sector.

Status: In concept phase.

Parties Involved: RCPA.

Near Term Action Four:

Investigate Possibility of Incentivizing Charging for Low-Income Customers.

Project: Reach out to EVSE vendors to gauge interest in a pilot program offering free or discounted charging for low-income customers that purchase an electric vehicle.

Status: In concept phase.

Involved Parties: To be determined.

Near Term Action Five:

Investigate Possibility of Incentivizing E-Bikes.

Project: Incentivize the purchase of electric bicycles either through up-stream, in-store, or rebate processes. Coordinate investigation with local bike stores and advocates.

Status: In concept phase.

Involved Parties: To be determined.

Long Term Action One:

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

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

Status: In concept phase.

Parties Involved: RCPA.

///End of Strategy One

Program Strategy Two

(PS2)

Promote Fuel Switching in New and Existing Building Stock

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

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

Immediate Action One:

Project Management for the Lead Locally CEC Grant.

Project: The CEC Lead Locally Grant commenced July 9, 2018.

Status: A CEC Lead Locally Grant commenced July 9, 2018. Monitoring equipment has been installed in 15 demonstration homes. Installation of new technologies will commence in Fall of 2019. Preparing for second phase of residential upgrade plan. Advanced Energy Center construction to commence in August 2019.

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

Immediate Action Two:

Investigate Potential for an On-Bill Financing Program within SCP's Territory.

Project: Implement an on-bill financing program.

Status: Staff are working with Counsel on a draft customer contract. It may be necessary to hire a program implementer. This Action will be incorporated into the Lead Locally CEC grant above.

Involved Parties: Frontier Energy.

Immediate Action Three:

Promote Induction Cooking as an Alternative to Natural Gas.

- Project:** Loan portable induction cooktops to customers and Induction Kitchen Demonstration Area.
- Status:** Staff will continue to loan portable induction cooktops to SCP customers so that they can experience the ease and safety of this technology. Cooktops are now being loaned by Daily Acts in Petaluma. SCP staff are seeking other partners. The Advanced Energy Center will provide an onsite opportunity to touch and feel different induction cooktops combined with a convection oven. Staff hope to attract culinary schools and other educational programs at this Induction Demo Area.
- Involved Parties:** SCP Staff, Daily Acts.

Immediate Action Four:

Implement the Advanced Energy Rebuild Incentive Program.

- Project:** Partner with PG&E and BAAQMD on an incentive program that will accelerate the adoption of highly efficient and all electric homes in the fire rebuild zones.
- Status:** The AER incentive is available to parties rebuilding in the burn zones of Sonoma and Mendocino counties. As of January 2019, we have received 196 applications as of June 1, 2019. Staff are investigating the possibility of extending the program past the planned Jan 2020 end date.
- Involved Parties:** PG&E, BAAQMD, Production Builders, City of Santa Rosa, County of Sonoma, County of Mendocino.

Immediate Action Five:

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

- Project:** Develop standard “Reach Ordinances” that local jurisdictions can consider.
- Status:** SCP is actively engaging with NRDC, the Building Decarbonization Collation, and a group of California jurisdictions to create all-electric reach ordinances for the 2019 new construction Title 24 energy code.
- Involved Parties:** Local cities and counties, NRDC, the Building Decarbonization Collation.

Near Term Action One:

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

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

Status: SCP has partnered with PG&E to train nearly 1,000 contractors, homeowners, architects, and engineers through Advanced Energy Rebuild trainings at the North Coast Builder's Exchange. SCP will be working with parties below to develop a yearlong training calendar.

Involved Parties: Sonoma County, RCPA, PG&E, Design Avenues LLC.

Near Term Action Two:

Interface with the CPUC and Stakeholders on Review of the Three-Prong Test.

Project: The CPUC's three-prong fuel substitution test, developed in the 1990s, determines what fuel substitution projects can receive utility customer-funded energy efficiency incentives and support. Industry groups led by NRDC and the Sierra Club are seeking clarification on and potential changes to the test to allow more program activities that reduce the use of natural gas and propane.

Status: NRDC has filed a motion seeking review and modification of the test.

Involved Parties: NRDC, Sierra Club, CPUC.

Near Term Action Three:

Develop Tools and Program Models to Assist Property Owners in Better Understanding the Financial Impacts of Fuel Switching.

Project: Develop a tool/program model that helps customers evaluate the potential for energy efficiency/fuel switching, electric vehicles, and solar photovoltaics over short and long terms.

Status: In concept phase.

Involved Parties: To be determined.

///End of Strategy Two

Program Strategy Three

(PS3)

Identify and Apply for External Funding to Support Programs

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

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

Immediate Action One:

Monitor Existing Funding Channels for Potential Opportunities.

- Project: Monitor funding channels such as the DOE, CEC, CPUC, Air Districts, etc. for potential partnership opportunities.
- Status: SCP was awarded a \$9.8M grant which is described in more detail in Program Strategy Two. We will continue to monitor grant opportunities and apply as appropriate.
- Involved Parties: To be determined.

Long Term Action One:

Monitor Cost-Effectiveness of Programs that Could Scale with CPUC Energy Efficiency Funds.

- Project: Monitor potential programs that meet CPUC cost-effectiveness metrics to implement and scale using publicly-funded energy efficiency funds.
- Status: Ongoing.
- Involved Parties: To be determined based on program offering.

///End of Strategy Three

Program Strategy Four

(PS4)

Promote the Aggregation of Loads and Resources

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

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

Immediate Action One:

Implement GridSavvy Community.

Project: Develop a contract with a "Scheduling Coordinator" to aggregate the "technical aggregators" operating in SCP territory and manage bidding of a demand response program into the CAISO DRRS. This process is necessary to ensure SCP remains in compliance, but also to maximize the value of the various resources available to the public.

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

Involved Parties: Olivine, eMW, AO Smith, Rheem.

///End of Strategy Four

Program Strategy Five

(PS5)

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

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

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

Immediate Action One:

Support Solar Sonoma County in providing assistance to SCP customers installing on-site renewable generation.

Project: Solar Sonoma County provides support to local residents who wish to install renewable energy systems. SSC provides impartial advice regarding siting, financing and contractor selection.

Status: Contract in place with CCP/Solar Sonoma County.

Involved Parties: Solar Sonoma County, CCP.

Immediate Action Two:

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

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

Status: Contract in development. Initial talks with the CEC have been positive.

Involved Parties: CEC

Immediate Action Three:

Demand Charge Reduction Program.

Project: Offer a customer service program to assist large commercial and industrial clients with high demand charges in reducing their demand charges through battery energy storage and/or solar+storage.

Status: Through an RFP, Stem, Inc. was selected to provide battery storage solutions for demand charge reduction. SCP's Customer Service Department is currently working with large commercial and industrial customers to connect with Stem on energy storage solutions.

Involved Parties: SCP staff, Stem, Borego Solar.

Near Term Action One:

Determine How Best to Add Storage to SCP's ProFIT Program.

Project: Develop a scope of work and solicit a consultant's proposal to determine the best practices necessary to incorporate energy storage into SCP's existing ProFIT program.

Status: No work completed to date.

Involved Parties: To be determined.

Near Term Action Two:

Develop a Residential Battery Storage Program.

Project: In cooperation with Customer Service, develop a residential battery storage program that is designed to offset any negative impacts of the switch to Time of Use billing.

Status: An RFI was circulated and interviews were held with several battery companies. It is most likely that this effort will be managed through the Advanced Energy Center as described in Program Strategy Two and GridSavvy.

Involved Parties: Sonnen, Tesla.

Near Term Action Three:

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

Project: Work with our member agencies to identify existing and planned solar facilities that might benefit from adding a battery storage component

Status: In concept phase

Involved Parties: SCP member agencies

Near Term Action Four:

Develop renewable resource opportunities for customer properties that are not a good fit for on-site generation (i.e. too heavily shaded, too dense).

Project: Launch a program for customers to commit to a 20-year purchase of EverGreen at their home or business.

Status: A draft contract has been completed.

Involved Parties: Calpine Energy Solutions.

///End of Strategy Five

Program Strategy Six

(PS6)

Support the Transition to Carbon Free Building Codes and Practices

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

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

Immediate Action One:

Provide Assistance to Commercial Customers in Optimizing Energy Efficiency.

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

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

Parties Involved: County of Sonoma Energy & Sustainability Division.

///End of Strategy Six

Program Strategy Seven

(PS7)

Test and Evaluate the Use of New Technologies

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

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

Near Term Action One:

Investigate the Use of Bio-Mass Power Generation in SCP Territory.

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

Status: Bio-mass analysis for Sonoma County completed by Sonoma Water several years ago.

Involved Parties: Sonoma Water.

///End of Strategy Seven

Program Strategy Eight

(PS8)

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

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

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

Immediate Action One:

Continue the SWITCH Program.

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

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

Involved Parties: CTE, SWITCH

Immediate Action Two:

Continue to Offer Consumer-Facing Educational EV Resources.

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

Status: Tools and materials currently available on DriveEV.org.

Involved Parties: SCP Marketing Staff, Yenter Group, Choose EV, RCPA.

Immediate Action Three:

Continue the Energy Education Program for Schools in SCP Territory.

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

Status: Contract is in place and curriculum has been developed. SCP coordinated with Sonoma Water on materials and branding. Sonoma Water has implemented the education program for the 2017/18 school year and wrapping up implementation for 2018/19 school year. SCP will bring a contract to our Board seeking to extend the contract an additional two years.

Involved Parties: Sonoma Water.

Immediate Action Four:

Continue the DIY Tool Kit Program.

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

Status: 30 kits are currently in rotation in Sonoma County Libraries and 11 kits in rotation in Mendocino County Libraries. The kits combined have been checked out over 552 times (503 check outs in Sonoma and 52 in Mendocino).

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

///End of Strategy Eight

Summary of Actions

Immediate Actions:

- Promote Transit and School Bus Electrification *(PS1)*;
- Provide Free Charging Stations *(PS1)*;
- Provide electric mobility solutions for local non-profits *(PS1)*;
- Apply for EV Charging Infrastructure Funding from the CEC *(PS1)*;
- Increase Level 3 (DCFC) Charging Opportunities in our Service Territory *(PS1)*;
- Project Management for the Lead Locally CEC Grant *(PS2)* ;
- Investigate Potential for an On-Bill Financing Program within SCP's Territory *(PS2)*;
- Promote Induction Cooking as an Alternative to Natural Gas *(PS2)*;
- Implement the Advanced Energy Rebuild Incentive Program *(PS2)*;
- Participate with Local Jurisdictions on Ordinances that Encourage Greenhouse Gas Reduction in Local Buildings *(PS2)*;
- Monitor Existing Funding Channels for Potential Opportunities *(PS3)*;
- Implement GridSavvy Community *(PS4)*;
- Support Solar Sonoma County in providing assistance to SCP customers installing on-site renewable generation *(PS5)*;
- Develop an alternative to mandatory on-site solar systems in new construction *(PS5)*;
- Demand Charge Reduction Program *(PS5)*;
- Provide Assistance to Commercial Customers in Optimizing Energy Efficiency *(PS6)*;
- Continue the SWITCH Program *(PS8)*;
- Continue to Offer Consumer-Facing Educational EV Resources *(PS8)*;
- Continue the Energy Education Program for Schools in SCP Territory *(PS8)*;
- Continue the DIY Tool Kit Program *(PS8)*.

Near Term Actions:

- Promote the use of Electric Vehicles in Car Sharing *(PS1)*;
- Investigate Expansion of Free Charging Station Program to Multifamily Properties *(PS1)*;
- Foster electric vehicle adoption in low-income multifamily properties *(PS1)*;
- Investigate Possibility for Incentivization of Charging for Low-Income Customers *(PS1)*;
- Investigate Possibility of Incentivizing E-Bikes *(PS1)*;
- Develop an Education Program to be Facilitated through the Advanced Energy Marketplace *(PS2)*;
- Interface with the CPUC and Stakeholders on Review of the Three-Prong Test *(PS2)*;
- Develop Tools and Program Models to Assist Property Owners in

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- Better Understanding the Financial Impacts of Fuel Switching (*PS2*);
- Determine How Best to Add Storage to SCP's ProFIT Program (*PS5*);
- Develop a Residential Battery Storage Program (*PS5*);
- Investigate how best to pair battery storage with existing or planned solar systems at municipal facilities (*PS5*);
- Develop renewable resource opportunities for customer properties that are not a good fit for on-site generation (ie: too heavily shaded, too dense) (*PS5*);
- Investigate the use of Bio-Mass Power Generation in SCP Territory (*PS7*).

Long Term Actions:

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