SILICON VALLEY CLEAN ENERGY AUTHORITY
RESOLUTION NO. 2020-06

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SILICON VALLEY CLEAN ENERGY AUTHORITY APPROVING REVISIONS TO THE SVCE DECARBONIZATION STRATEGY & PROGRAMS ROADMAP TO CHANGE THE UPDATE FREQUENCY AND ADD TWO NEW PROGRAMS, APPROVING NEW PROGRAM BRIEFS, AND APPROVING BUDGET ALLOCATIONS FOR THE IMPLEMENTATION OF DECARBONIZATION PROGRAMS

WHEREAS, the Silicon Valley Clean Energy Authority ("Authority") was formed on March 31, 2016 pursuant to a Joint Powers Agreement to study, promote, develop, conduct, operate, and manage energy programs in Santa Clara County; and

WHEREAS, the Board adopted 2021, 2025 and 2030 greenhouse gas emissions reduction targets; and

WHEREAS, the Board approved Operating Budgets for Fiscal Year (FY) 2018-2019 and FY 2019-2020 that provide for funding from 2% of energy sales to support decarbonization and grid programs; and

WHEREAS, the Board adopted the Decarbonization Strategy and Programs Roadmap ("Roadmap") and an initial budget allocation for the implementation of decarbonization programs pursuant to the Roadmap on December 12, 2018 by Resolution No. 2018-20; and

WHEREAS, SVCE staff has returned to the Board with requests for revisions to the budget allocation as decarbonization programs are developed that are consistent with the Roadmap; and

WHEREAS, the Board adopted Resolution Nos. 2019-02, 2019-07, and 2020-01 to amend the initial budget for decarbonization programs by approving allocations for the electric vehicle service equipment (EVSE) incentive program, workforce development and training activities, and the heat pump water heater program; and

WHEREAS, the Roadmap currently provides that SVCE staff will bring forward the Roadmap for a comprehensive review and update on an annual basis.

NOW THEREFORE, the Board of Directors of the Silicon Valley Clean Energy Authority does hereby resolve, determine, and order as follows:

Section 1. The SVCE Decarbonization Strategy and Programs Roadmap is revised as shown in Exhibit A, attached hereto, to provide that a comprehensive review and update will be completed on an "as needed basis"; to incorporate programs that were approved in 2019; and to add two new programs.

Section 2. The new program briefs for the Building Decarbonization Joint Action Plan, Resilience at Community Facilities, and Streamlining Community-Wide Electrification, attached hereto as Exhibit B, are hereby adopted.

Section 3. The following allocations within the budget for decarbonization programs are hereby approved:

Program	**Budget Allocations**
Building Decarb Joint Action Plan	$150k (programs reserve fund)
Resilience at Community Facilities	$150k (programs reserve fund)
Streamlining Community-Wide Electrification	$200k (programs reserve fund)
Customer Resource Center	$500k for FY2021-FY2022

PASSED AND ADOPTED this 12th day of February, 2020 by the following vote:

JURISDICTION	NAME	AYE	NO	ABSTAIN	ABSENT
City of Campbell	Director Gibbons	✓			
City of Cupertino	Director Sinks	✓			
City of Gilroy	Director Tovar	✓			
City of Los Altos	Alternate Director Bruins	✓			
Town of Los Altos Hills	Director Tyson	✓			
Town of Los Gatos	Director Rennie			✓	
City of Milpitas	Director Montano	✓			
City of Monte Sereno	Director Ellahie	✓			
City of Morgan Hill	Alternate Director Eulo	✓			
City of Mountain View	Director Abe-Koga	✓			
County of Santa Clara	Director Ellenberg				✓
City of Saratoga	Director Miller	✓			
City of Sunnyvale	Director Smith	✓			

Chair

ATTEST:

Andrea Pizano, Board Secretary

Exhibits:

A. Revised Decarbonization Strategy and Programs Roadmap

B. Building Decarbonization Joint Action Plan, Resilience at Community Facilities, and Streamlining Community-Wide Electrification Program Briefs

EXHIBIT A

SILICON VALLEY CLEAN ENERGY

Decarbonization Strategy & Programs Roadmap

Proposed Changes in Redline - Not Yet Adopted

Goals

Reduce greenhouse gas emissions from 2015 baseline levels by 30% by 2021, 40% by 2025 and 50% by 2030.

Strategic Framework

In addition to the overarching greenhouse gas emissions reduction goals and decarb strategies, the following, three-part strategic framework was developed through the stakeholder engagement process and used to guide development of Decarb Strategy and Programs Roadmap.

What will we do?

- **Retail Products & Services**: Develop and support innovative new products and services to meet customer needs and decarbonize
- **Education & Outreach**: Increase public awareness and education on electrification and actions to reduce emissions
- **Public Policy**: Expand state and local policy activity on decarbonization, while strengthening local and regional agency coordination
- **Market Transformation**: Catalyze market transformation through coalitions and partnerships with actors in industry and the innovation ecosystem

How will we leverage?

- **Innovation**: Harness innovation to continuously improve service to our customers and community, and to accelerate "bending the carbon curve"
- **Data**: Unlock the tremendous value of utility and other data to guide development, implementation, measurement and evaluation of all program activities
- **Partnerships**: Form and leverage partnerships to support activities addressing our decarbonization mission

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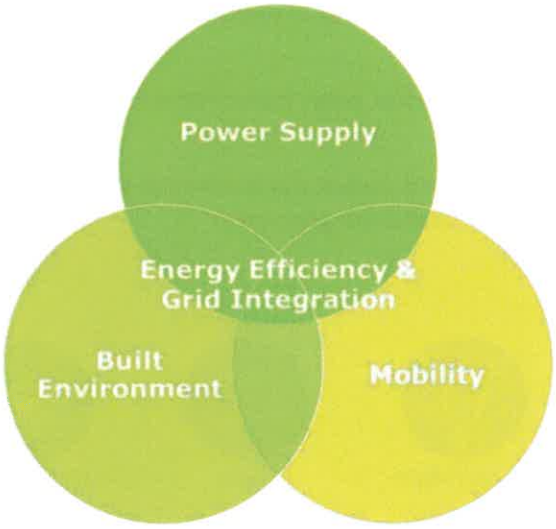
Which priorities will guide us?

- **Customer & Community Value**: Deliver value to our customers and larger community through program offerings and ongoing initiatives
- **Emissions Impact**: Prioritize activities with greatest emissions reduction potential to achieve alignment with our mission
- **Scalable and Transferable**: Pursue solutions that can be expanded and adapted by others, to ensure impact both within and beyond our borders
- **Equity in Service**: Balance activities to reflect the diversity of our customer base and geography
- **Core Role for SVCE**: Recognize activities where we can and must play a key role given our unique position of community-owned electricity provider

Decarbonization Strategy

SVCE is guided by the following overarching strategy to achieve deep decarbonization.



1. Procure & maintain a sustainable, affordable and carbon-free **power supply**
2. Electrify the **built environment** and **mobility**
3. Promote **energy efficiency** & successful **grid integration**

SVCE will pursue the following specific strategies, organized by sector or cross-sector initiatives.

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1. Achieve a sustainable, affordable and carbon-free power supply. (*Power Supply*)
    a. Seek Board input for an updated, comprehensive integrated resource plan evaluating key policy options (RPS level versus carbon-free resources, types of RPS resources, diversification of resources, location and price structures, hourly matching of load to carbon-free resources, amount of supply in long-term contracts, local renewables carve-out, distributed energy resources, etc.) and considering all trade-offs.
    b. Research the availability and costs of supply resources sited within SVCE service territory to inform prospective policies and procurement.
2. Align our clean power pricing with economic and environmental costs to encourage smart investments that support decarbonization and the grid. (*Power Supply*)
    a. Develop new retail rate products (e.g. terms-based, dedicated supply, load-following renewable supply option) for large commercial and industrial customers to be responsive to their unique needs and encourage customer retention.
    b. Carry out a retail rates assessment and develop and execute an implementation plan to address barriers and opportunities in rate design to facilitate electrification and guide smart infrastructure investments. Incorporate the statewide move to default time-of-use rates for residential customers in 2020.
    c. Evaluate and revise policies, price signals and rates for distributed generation – specifically the net energy metering successor program – to ensure consistency with SVCE decarbonization strategy and other organizational objectives.
3. Accelerate high-efficiency, all-electric new construction and retrofits. (*Built Environment*)
    a. Assess current building stock, appliance technologies, adoption rate of all-electric new construction, and other market trends/barriers to inform all building electrification activities.
    b. Promote education and awareness to encourage adoption of efficient electric technologies as replacements for natural gas appliances in retrofit and new construction.
    c. Provide support to member agencies in their consideration of all-electric building codes.
    d. Expand state policy activity to accelerate statewide baseline building codes toward all-electric, to mitigate barriers for local agencies exercising leadership, and to align other state policies and regulations (e.g. CPUC's "three-prong test") with California's ambitious climate goals.
    e. Develop a program to provide incentives and/or technical and design support for new construction, all-electric showcase projects in the community, including potential decarbonized district energy approaches such as Stanford's energy system design.
    f. Design and launch a program to provide incentives to fuel-switch from natural gas to heat pump water heaters using the BAAQMD grant and SVCE match funds.
    g. Facilitate coordination across member agencies to share best practices, policies, processes, and programs supporting all-electric buildings & promote advancements to the community, developers, and other practitioners operating in the service territory.
    h. Pursue actions with member agencies to decarbonize their own municipal buildings.

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i. Consider opportunities to support schools, community colleges and other educational institutions in their efforts to decarbonize their facilities.

j. Support workforce development and allied suppliers and providers necessary for the massive fuel switching required for decarbonization, for both retrofit and new construction.

4. Accelerate the electrification and transformation of mobility in our community to reduce emissions and provide other benefits such as reduced congestion. (*Mobility*)

   a. Work with member agencies and all other relevant stakeholders to develop and implement a strategy and plan for community-wide build-out of EV charging infrastructure; including plan to jointly pursue/leverage external funding opportunities (e.g. BAAQMD, California Energy Commission, PG&E).

   b. Develop one or more EV fast charging pilots (e.g. to support EV use in transportation network company operations, to pilot real-time pricing structures, to address "last mile" solutions, and to accelerate adoption of electric autonomous vehicles)

   c. Study barriers and pursue activities to support EV use by low-income customers.

   d. Study barriers and pursue activities to support EV use for customers living in multi-unit dwellings.

   e. Provide support to member agencies and C&I customers in electrifying their vehicle fleets and pursuing other decarbonized mobility solutions (e.g. autonomous electric shuttles as a "last mile" solution, e-bikes, e-scooters).

   f. Consider participating in relevant regional, state and national advocacy groups and coalitions to accelerate transportation electrification.

5. Educate the community on the benefits of conservation and energy efficiency. (*Energy Efficiency & Grid Integration*)

   a. Promote energy efficiency programs already available to SVCE customers through PG&E and third-party providers.

6. Promote successful grid integration of existing and newly electrified loads to support high penetration renewables integration. (*Energy Efficiency & Grid Integration*)

   a. Include recommendations and/or requirements for connectivity and control in all SVCE programs that result in newly electrified loads.

   b. Develop a program to monetize and harness the value that distributed energy resource (DER) aggregations (aka "virtual power plants") in SVCE service territory can provide the grid and manage the anticipated load growth resulting from electrification.

   c. Explore opportunities to partner with PG&E and other third parties on activities that leverage DERs to provide additional customer and distribution system value.

7. Educate and engage customers and our community in understanding their overall energy usage, opportunities associated with building and vehicle electrification, and specific actions they can take. (*Cross-Sector - Education & Outreach*)

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a. Develop and launch an SVCE-branded customer resource center to enable engagement and awareness-building, education and action related to vehicle and building electrification.

b. Partner with local organizations in under-represented customer segments to promote SVCE accomplishments and programs.

c. Develop engaging content for the customer resource center, social media and other channels to broaden interest in energy and electrification.

8. Accelerate innovation needed to achieve SVCE's decarbonization mission. (*Cross-Sector - Innovation*)

a. Identify key strategic partners and enter into MOUs and other types of partnership agreements to efficiently and effectively engage the innovation ecosystem.

b. Develop a program with standardized agreements, evaluation criteria, and processes to allow SVCE to rapidly and nimbly identify and pursue promising pilot opportunities with external partners.

c. Engage with universities, national labs, and other research institutions to support relevant academic research.

d. Research, evaluate and implement (or replicate) programs leveraging advancements in fintech and innovative business models (e.g. "as a service", potential leverage of SVCE capital) that remove barriers to accessing needed capital, particularly in low-income and disadvantaged communities.

e. Pursue novel mechanisms to spur innovation, such as aggregating market demand across the service territory and beyond to reduce costs, influence product development and shape the supply chain. (e.g. "golden carrot")

f. Evaluate the merits of establishing an open data portal to provide transparency where appropriate to improve the ability for market actors to support SVCE's missions and spur private sector innovation.

g. Pursue external funding opportunities (e.g. DOE, CEC, BAAQMD) with partners.

9. Leverage data-driven, strategic analyses to inform programs and cross-functional activities. (*Cross-Sector – Other*)

a. Establish a viable data analytics platform that integrates disparate data sets (customer usage, weather, wholesale market prices, etc.) and enables efficient, high-impact analysis.

b. Assess technical, economic and market potential of distributed energy resources and electrification across the service territory to inform program development, load forecasting, long-term planning, and rate design.

c. Carry out a customer segmentation analysis to better understand the diversity and relevant characteristics of the SVCE customer base to inform targeted program activities.

10. Measure and monitor progress toward meeting SVCE's decarbonization goals. (*Cross-Sector – Other*)
    a. Carry out an annual GHG emissions and clean energy asset baseline assessment.
    b. Evaluate developing sector-specific objectives or targets (e.g. "25% of new construction all-electric by 2020).
    c. Evaluate how methane leakage should be reflected in SVCE's emissions accounting and decarbonization policies, and propose revised policies, as needed.

Programs Roadmap

The following programs comprise the programs roadmap, organized by sector and cross-sector initiatives. ~~Initiatives shown in **bold** are prioritized in the first tranche of programs for detailed development and launch in 2019.~~

Power Supply (PS)

PS1. C&I Clean Power Offerings: Develop, market and sell additional SVCE power offerings to address large C&I customers seeking to buy clean power at competitive rates

PS2. Retail Rates Assessment: Carry out comprehensive assessment of retail rates to develop multi-phase plan for improvements and developments of pilot rates

PS3. Integrated Resource Plan: Solicit community input to develop comprehensive strategy for supply portfolio (e.g. %RPS, short- vs. long-term contracts, local resource carve-out, etc.)

PS4. Local Renewables: Research the availability and price for local resources, and evaluate costs/benefits of procurement

Built Environment (BE)

BE1. Reach Codes: Hire technical consultant to support SVCE and PCE member agencies in the development, review, adoption and implementation of reach codes supporting building electrification and EV charging infrastructure

BE2. All-Electric Showcase Grants: Develop model requirements for all-electric buildings for architects, developers, practitioners & provide financial incentives and/or upfront design assistance for a specified number of showcase projects

BE3. FutureFit Heat Pump Water Heater: Provide rebates to fuel-switch natural gas water heaters to heat pump electric water heaters (BAAQMD grant)

BE4. Streamlining Community-Wide Electrification: Survey and review local city policies (codes, permitting, inspection, incentives, etc.) and develop model policies/processes

BE5. Workforce Training & Development (approved April 2019): Support workforce training and development to support the transition to all-electric buildings and EV charging infrastructure development in the built environment

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BE6. Building Decarbonization Joint Action Plan (proposed): Create an SVCE-wide building decarb joint action plan with member agencies to prioritize future incentives, permitting, code & rates and other activities

~~BE4.~~BE7. Resilience at Community Facilities (proposed): Work with member agencies to analyze and develop a program to support resilience at community facilities

Mobility (MO)

MO1. EV Charging Infrastructure Strategy and Plan: Create an SVCE-wide EV readiness and infrastructure strategy considering permitting practices, ordinance/reach code integration, siting, technology types, public versus dedicated access, and rate design

MO2. California Electric Vehicle Infrastructure Project (CALeVIP) (awarded Aug 2019): Work with the California Energy Commission and local partners to launch a regional incentive program with $12M in funds committed to SVCE territory for shared Level 2 and public DC Fast Charging.

MO3. Priority Zone DC Fast Charging (DCFC) Incentives (approved Sept 2019): Competitive application to receive an additional incentive (on top of CALeVIP) for DCFC in "priority zones" that support nearby SVCE-designated multifamily housing clusters.

MO4. Multi-Unit Residential Charging Technical Assistance (approved Sept 2019): Technical assistance and help applying for pertinent CALeVIP rebates for charging at multifamily housing properties.

MO5. Small/Medium Workplace Charging Technical Assistance (approved Sept 2019): Technical assistance and help applying for pertinent CALeVIP rebates for charging at small and medium workplace properties.

MO6. Fleet Electrification Grants (approved Sept 2019): Competitive application for SVCE's fleet electrification planning support and funding for site upgrades. Targeting a broad set of fleet types, to create widely applicable fleet electrification planning templates.

MO7. Silicon Valley Transportation Electrification Clearinghouse (approved Sept 2019): Regional group of key stakeholders focused on information sharing, solving critical issues and attracting external funding to the SVCE community in support of EV infrastructure deployment.

~~MO1.~~MO8. Regional EV Leadership Recognition (approved Sept 2019): Recurring recognition for best practices in EV infrastructure deployment, and support for local organizations in taking next steps.

~~MO2. EV Fast Charging Pilot Depots: Work with private sector, member agencies, and regional partners to develop one or more EV fast charging pilots (e.g. for ride-hailing electrification, real-time pricing, "last mile")~~

~~MO3. EV Incentives for Low Income: Provide rebates for used EVs for low-income qualified customers in collaboration with Peninsula Clean Energy~~

~~MO4. EV Charging for Multi-Unit Dwellings: Provide flexible grant offerings to address market gaps with multi-unit dwelling and small and medium business workplace charging~~

~~MO5. Fleet Electrification: Support member cities and commercial customers in evaluating options to electrify their vehicle fleets~~

Energy Efficiency & Grid Integration (GI)

GI1. Virtual Power Plant: Support "virtual power plants" made up of cloud-based aggregations of customer-cited resources to support grid integration and monetize value from connected, controllable loads

GI2. Non-SVCE Programs: Promote existing, non-SVCE led energy programs through the Customer Resource Center and other channels.

Education & Outreach (EO)

EO1. Customer Resource Center: Develop customer resource center to enable engagement and awareness-building, education and action related to vehicle and building electrification

EO2. Community Engagement Grants: Partner with local organizations in under-reached customer segments to promote SVCE accomplishments and programs

Innovation (IN)

IN1. Innovation Partners: Engage with key strategic partners to participate in the local innovation ecosystem to provide a voice for SVCE customers and the decarbonization mission

IN2. Innovation Onramp: Provide small grants to support innovation through pilot projects with external partners

Reporting & Review

Updates on Roadmap implementation will be provided on an approximately quarterly basis, coinciding with existing review processes, including the budget cycle and annual strategic plan update.

The Roadmap will be brought forward to stakeholder groups, the Executive Committee, and the Board for a comprehensive review and update on an as needed basis, which is anticipated to be every two to three years from initial Roadmap adoption~~annual basis, starting in January 2020~~.

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SVCE Program Brief – Building Decarbonization Joint Action Plan (BE6)

February 12, 2020

Summary

Aggregate and integrate existing building decarbonization resources relevant to SVCE service area; establish community-wide building decarbonization strategy and plan spanning all building types and uses; establish program priorities and related plan of action; include elements addressing other program sectors (e.g. mobility and innovation) as they relate to primarily built environment topics such as building permitting processes. This effort is modelled off of SVCE's Electric Vehicle Infrastructure Joint Action Plan.

Key Challenges

- No existing comprehensive strategy or plan across SVCE service area for community-wide actions to support building decarbonization; key stakeholder issues are not clearly articulated, and critical regional building decarbonization efforts will require buy-in and support from these entities

Goals

- Develop priorities, policy/program concepts, and an action plan with SVCE member communities to guide ongoing building decarbonization efforts

Program Approach

General

- Contract for consultant support; work with Member Agency Working Group and other key stakeholders to refine scope of work for focused strategy and planning effort; identify needs, status and priorities across SVCE service territory; identify associated development opportunities - including context of state and regional efforts; develop specific plan to guide SVCE and member communities in taking priority actions to advance building decarbonization, focusing on the upcoming 3-year period

Target Participants

- Member agencies and other local stakeholders, e.g. architects, developers, contractor community, labor, community groups and local environmental advocacy organizations

Participation Criteria

- Interest in building decarbonization mission and visibility to building-related topics and issues

Program Evaluation, Measurement & Verification Plan

- N/A

Third-Party Support

- Consultant to be selected

Resources

- $150,000 in FY2020

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Staff Support

- 0.5 FTE for 4 months

Timeline

- Q3/Q4 FY2020

Program Sector & Activity Type

Sector(s)

Activity Type(s)

Leverage

Coordinated approach spanning member agencies; work with other businesses and organizations (contractors, developers)

Significant innovation opportunity, especially related to existing building stock

Customer and geographic data analytics will help target related outreach and program efforts

Prioritization Criteria

Will identify critical needs and highest-priority opportunities for enabling building decarbonization

Buildings a major source of emissions within SVCE territory; enabling switch from natural gas a critical factor to addressing regional emissions

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Scalable and Transferable

Approaches and resources can be readily shared with customers, and leveraged with key partners

Equity in Service

Strategy and planning efforts will be especially focused on key needs related to achieving building decarbonization in underserved communities

Core Role for SVCE

SVCE a natural point of aggregation in supporting our member agency communities to advance building decarbonizations; member agencies have significant visibility/control of building-related processes

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SVCE Program Brief – Resilience at Community Facilities (BE7)

February 12, 2020

Summary

During the 2019 wildfire season, PG&E began proactively shutting off power to reduce fire risks. In our territory there were four shut-off events. Three of these events impacted more than 18K customers and the fourth impacted 471 customers. PG&E expects these outages to continue for many years to come. In addition, extreme heat, flooding, and sea level rise caused by climate change will continue to increase power outages. Ensuring the region's energy resilience is important for public health and economic vitality. Medically fragile, low income, and small business customers are more sensitive to the impacts of power outages and solutions must provide specific protection for these groups. Further, if resilience is left unaddressed, the fear of power outages could act as a significant barrier to widespread electrification and lacking options customers could invest in carbon intensive back-up generators. For these reasons, energy resilience is important to SVCE's overarching goal of decarbonization. This program will develop tools, resources and partnerships to support energy resilience throughout SVCE territory with an emphasis on city facilities to mitigate the impacts of PG&E's Public Safety Power Shutoff (PSPS) events and other climate related power outages.

Key Challenges

- Local governments are seeking ways to minimize the future impact of PSPS events, but lack the data and technical knowledge necessary to adequately evaluate project opportunities.
- Prioritizing sites for energy resilience projects will require input from a variety of stakeholders and analysis combining geospatial and energy data.
- Successful implementation of energy resilience projects requires combining hard infrastructure investments (e.g. microgrids) with soft infrastructure strategies (e.g. coordination, communication).

Goals

- Identify and prioritize locations for microgrids and other resilience infrastructure, on both government and community buildings, that can minimize the impact of power outages—particularly on the most vulnerable.
- Provide data and resources for our member agencies to fast track their respective resilience planning efforts, including General Plan updates and Hazard Mitigation Plans.
- Engage a cross-section of stakeholders to identify critical soft infrastructure strategies including coordination opportunities and rate design that ensure the maximum benefit from new infrastructure development.

Program Approach

General

- Develop a regionwide Energy Resilience Plan that provides SVCE with a strategy to minimize impacts of PSPS events in the short term, a set of prioritized actions to further improve resilience over the next 3-5 years, and will provide our member agencies with data, analysis, and resources necessary to implement their own resilience initiatives.

Target Participants

SVCE will include all member agencies in this collaborative effort.

In addition, SVCE intends to coordinate with the following participants:

- Offices of emergency management
- Local small business organizations
- Public health departments
- Hospitals and clinics
- Community benefit organizations serving populations most impacts by power outages

Participation Criteria

- N/A

Program Evaluation, Measurement & Verification Plan

- When projects are installed, SVCE will work with site hosts to monitor the performance of the project during power outages, including an assessment of the populations served by the sites during the outage.

Third-Party Support

- Consultants TBD

Resources

- $150,000

Staff Support

- .25 FTE in FY2020

Timeline

- Q3 FY2020 Solicitation
- Q3 FY2020 Vendor Selection and Design
- Q1 FY2021 Delivery

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Program Sector & Activity Type

Sector(s)

Activity Type(s)

Public Policy

Leverage

Partnerships

Partnering with member agencies, nonprofits, public health and emergency management offices to maximize the relevance, reach, and impact of the plan.

Innovation

Developing new data and analysis to support the development of more sophisticated resiliency planning across the region. Increase development of storage and microgrids to accelerate both resilience and decarbonization.

Data

Leverage integrated database to inform prioritization of sites, identification of most vulnerable populations, and to assess best technology options for prioritized sites based on their specific energy profile.

Prioritization Criteria

Customer & Community Value

Promoting affordable local, low-carbon electricity while increasing reliability and stabilizing power supply.

Emissions Impact

Expansion of low-carbon energy, gas reduction, and round-trip efficiency will reduce regional emission levels.

Scalable and Transferable

Can be adopted or replicated by other LSEs which can be fitted to their service territory's needs.

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Equity in Service

Prioritizing low-income residents, customers who rely on life-dependent medical equipment, and customers and businesses located in disadvantaged communities ensures that these customers will be supported during power shutoffs. Provides economic stability by support energy stability for small local businesses.

Core Role for SVCE

Promotes SVCE's core values of decarbonization and grid innovation while working collaboratively with member agencies and local stakeholders.

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SVCE Program Brief – Streamlining Community-Wide Electrification (BE4)

February 12, 2020

Summary

Develop a report baselining current member agencies' permitting processes related to FutureFit technologies to help streamline and harmonize the process while understanding the market barriers to electrification. Informed by the outcome of the report, develop and provide tools, trainings, and/or other support to member agency staff to streamline and harmonize permitting processes across the service territory.

Key Challenges

- Procedural and cost differences within permitting and installation increases pricing
- Institutional knowledge may conflict with currently available technology

Goals

- Research, compile through the report to share information pertaining to electrification and FutureFit technology with stakeholders
- Develop and provide tools, trainings, and/or other support to member agency staff to streamline and harmonize permitting processes across the service territory, based on need as identified in the report and by member agency staff

Program Approach

General

- Contract with 3rd party to develop scope of work for focused training, education, awareness, and stakeholder mapping.
- Advance administrative and procedural change and further education surrounding FutureFit technology

Target Participants

- Member agencies (e.g. permit office, planning and development) contractors, and other local stakeholders

Participation Criteria

- Building permit and inspection staff for necessary trainings

Program Evaluation, Measurement & Verification Plan

- Permit data collection specific for each community
- Share collected data pertaining to HPWH with participating cities building department

Third-Party Support

- BayREN - outreach support on rebates and contractor communication
- Hire a consultant to conduct and deliver a report baselining current member agency's permitting processes

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- Hire a summer intern to conduct and deliver a report baselining current member agency's permitting processes

Resources

- $200,000 in FY2020-FY2021

Staff Support

- 1 FTE for 6 months

Timeline

- FY2020 – FY2021

Program Sector & Activity Type

Sector(s)

Activity Type(s)

Leverage

BayREN (training), JVSV (outreach), Building Decarb Coalition, MAWG

Expand online processing for ease of use for customers, contractors, and staff

Share information learned with member agencies. Uniformed processes, where possible, will allow for easier data collection and dissemination

Prioritization Criteria

Ensure building department staff is knowledge about emerging technology and permitting processes; and permit streamlining will "soft costs"

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Emissions Impact

Streamlining electrification of transportation and the built environment will further GHG reductions

Scalable and Transferable

Process aims to create a replicable model regionally

Equity in Service

Permits are often fixed or standardized which may impact lower income customers more than others. Learn how cities may or may not be factoring this into their procedures

Core Role for SVCE

Identify and share improvements with and between member agencies. SVCE's role as a regional facilitator enables a larger sphere of influence to impact service territory.