



DATE: October 8, 2018

AGENDA ITEM # 3

TO: Environmental Commission

FROM: Sarah Henricks, Interim Staff Liaison

SUBJECT: Receive Report and Updates on Silicon Valley Clean Energy Authority (SVCEA)

RECOMMENDATION:

Receive reports and updates on SVCEA Board of Directors and standing committee meetings;
Provide direction/input on priority programs for MAWG

BACKGROUND

State and Local Mandates
Community Choice Energy
Council Actions
Implementation of SVCEA in the Los Altos Community
SVCEA Structure

For a full review of the topics above, please access the following link

https://www.losaltosca.gov/sites/default/files/fileattachments/environmental_commission/meeting/43111/5_svcea_2018.pdf

DISCUSSION

2018 Customer Program Advisory Group (CPAG) meeting recap:

SVCEA Board of Directors established a Customer Program Advisory Group. Vice Chair Weiden was appointed as a member to the group in December 2017. The first meeting of CPAG was January 17, 2018. Vice Chair and CPAG member Don Weiden will provide an update.

2018 Member Agency Working Group (MAWG) meeting recap:

At the April 26, 2018 MAWG meeting, SVCE staff reminded the group of its engagement opportunities, Watts for Lunch on May 2, 2018 and Bike to the Future on May 5, 2018. A representative from DNV-GL consultants provided a status update on the GHG Emissions and Clean Energy Asset Inventory it is conducting for SVCE to establish standard, baseline metrics and to support member districts with GHG reporting and goals. The GHG Inventory Approach and Methodology is complete and was shared with the group in January 2018. Now, DNV-GL is calculating the Community GHG emissions for 2015 and 2017, conducting a clean energy asset baseline study, and a target market assessment. The Clean Energy Asset categories under review by DNV-GL include Energy Generation, Energy Usage, and Transportation. The target market assessment will focus on buildings, energy consumption by end use, and transportation. DNV-GL is awaiting 2017 electricity and natural gas data usage from 2017 and is submitting a request to the

California DMV for data on EVs. Members of the CPAG attended the MAWG meeting to provide the group with a progress update; they shared their process of identifying SVCE program benefits and program ideas. Finally, SVCE staff reviewed the BAAQMD HPWH grant proposal, providing highlights of the potential program and requesting jurisdictions submit letters of support to include with the grant packet by the May 11, 2018 deadline.

At the May 24, 2018 MAWG meeting, the group discussed the upcoming Watts for Lunch Commercial and Industry Roundtable in September, which will discuss energy storage and will likely be held at Google- details TBD. SVCE staff informed the group that the BAAQMD proposal was submitted and that they are exploring potential partnerships with other applicants in order to amplify the program. SVCE staff also reviewed their regulatory efforts in Sacramento on May 16, 2018 to address the CPUC's California Customer Choice Project draft paper, referred to as the "Green Book". The "Green Book's" intent is to initiate a policy conversation with a wide range of stakeholders about the future of California's electricity market. SVCE Directors provided a letter to the California Legislature outlining the role of CCAs, such as SVCE, and the process by which they are progressing toward affordable, reliable, and decarbonized energy. SVCE staff also informed MAWG members that SVCE would be issuing grants to local entities to increase awareness of SVCE staff in hard to reach demographics. SVCE requested assistance by MAWG members to identify underserved communities or potential partners for reaching these groups. DNV-GL provided another review of the draft GHG Inventory elements, requesting formatting suggestions. DNV-GL also announced it was successful in obtaining the DMV vehicle registration data and will be including that information in the final workbooks. Finally, SVCE staff requested that the MAWG begin discussing the process for collecting individual jurisdiction program priorities in July and explore how the MAWG can better synchronize Climate Action Plan activities and follow up strategies.

At the June 28, 2018 MAWG meeting, the MAWG continued its review of the GHG inventory and energy assets elements that DNV-GL will be presenting to the SVCEA BOD at its July 11, 2018 meeting. The Chair of the CPAG gave the group an overview of the program priorities presented to the BOD at the June 2018 meeting. SVCE staff provided program status updates to the group, including news that SVCE's carbon emissions factor is 0.25 lbs CO₂/MWh, as compared to approximately 300 lbs with PG&E, 500 lbs for the average California grid average and more than 1,000 lbs for the U.S. grid average. SVCEA will be issuing \$75,000 to local organizations to lead awareness campaigns within difficult to reach demographics. The City of Sunnyvale has begun conversations with SVCE to develop a program that increases EV charging signage to overcome the perception of inadequate public EV charging infrastructure. Finally, SVCE staff provided the jurisdictions with a Priorities Matrix, Attachment B, to help guide cities in identifying priority programs that SVCE can help synchronize and support. The focus of these priorities should be on Built Environment, Transportation, and Grid Innovation, relevant to SVCE. Once each jurisdiction has identified their priority programs, SVCE staff will consolidate the programs and prioritize based on greatest interest and look for opportunities to synchronize the efforts and provide support. Staff requests the Commission's input on developing this list at the July 9, 2018 Environmental Commission meeting to provide to the SVCE MAWG at its July 26, 2018 meeting.

At the July 26, 2018 MAWG meeting, the group reviewed priority programs contributed by each member jurisdiction. The programs focused on SVCE priorities, such as Built Environment, Transportation, and Grid Innovation. The programs identified by the Environmental Commission and submitted to the MAWG are included as Attachment A. Attachment B is a compilation of all

programs submitted by the MAWG with a ranking, as voted upon by member agencies. Nearly 50 ideas were contributed by the MAWG and each member jurisdiction selected their top 8-10 ideas. The top ranked programs were:

- All electric building codes
- Identifying barrier to electrification within municipal codes
- EV readiness plan
- EV charging for multi-unit dwellings
- Heat pumps for existing buildings
- Residential energy coaching
- Hydrogen fuel cell powered by organic waste

SVCE staff will review the program ideas, assess feasibility, and begin building out complete programs. Staff will present and vet developed program proposals through MAWG at a future date. Please note, the SVCEA BOD August 8, 2018 meeting was cancelled.

At the August 30, 2018 MAWG meeting, the group briefly reviewed the GHG inventory materials, which will soon be distributed to cities soon for use at their discretion, following acceptance by the SVCE BOD. A customized one-page summary will be distributed to City Managers throughout the coverage area. The inventory materials will be updated annually. SVCE staff updated the group on the success of their request for proposals from nonprofit organizations seeking to enhance outreach regarding SVCE to residents in Santa Clara County; SVC received seven (7) proposals, which are now under review. SVCE staff also informed the group of an email survey sent out to 4,500 customers, which the agency is using to better assess the interests and preferences of its customer base and to establish an email communication channel with customers. The group was reminded about the Commercial and Industrial Community Roundtable, Watts for Lunch, meeting to be held on September 20, 2018, 10:30 a.m. to 1:30 a.m. at Google in Sunnyvale. The topic for the event is Energy Storage and will be attended by members of the Los Altos Community Development Department. All are encouraged to attend; for more information or to RSVP, contact Payton Parks at peyton.parks@svcleanenergy.org. The MAWG also reviewed a draft Decarbonization Roadmap outlining how SVCE plans to reach its decarbonization and GHG reduction goals and help reach local and State goals; the group provided feedback. Finally, the group learned that the CPAG will continue to December to finish out its goals and complete the program development roadmap.



At the September 27, 2018 MAWG meeting, SVCE staff updated the group on its RMI-led design Charette, Watts for Lunch program, 2018 Power Content Label, and the individual City Readouts showcasing energy, GHG, and cost savings for the year (Attachment A). SVCE Manager of Regulatory and Legislative Effectiveness, Hilary Staver provided the group an update on various Senate Bills and their impacts to the CCA community. She also led a group discussion on how SVCE can most effectively communicate with and assist jurisdictions in engaging with relevant State, Regional, or Utility agencies in preparation for the upcoming legislative session. The group reviewed a draft Resource Center, being developed by SVCE, with which customers can engage to learn different ways to electrify and decarbonize their homes. Finally, SVCE staff led the group through a model of how Cities can support market transformation, as it relates to electrification technologies, specifically by providing awareness, assurance, availability, affordability and design guidelines.

Please note, the October 10, 2018 SVCE BOD meeting was adjourned to October 24, 2018, 5:00 p.m. at the City of Mountain View Council Chambers.

Staff will provide update on the monthly MAWG meetings; Chair will provide update on the CPAG meetings. Monthly SVCEA Board of Directors' meeting agenda and selected materials will be reviewed and discussed.

Attachments:

A. 2018 SVCEA Community Benefits Summary for City of Los Altos

2018 Community Benefits Summary

City of Los Altos and Silicon Valley Clean Energy

Formed in 2016 by the City of Los Altos and twelve other local communities, Silicon Valley Clean Energy (SVCE) is redefining the local electricity market. SVCE provides residents and businesses with carbon-free electricity at lower rates and offers innovative clean energy programs.

From October 2017 through September 2018, our communities achieved their commitments to save customers money, buy cleaner power and reduce community-wide carbon emissions.

Los Altos Results - A cleaner environment and lower costs



124 million kilowatt hours (kWh) of electricity from carbon-free sources



\$543,000 in on-bill savings for SVCE customers



12,166 households and businesses served



\$14,490 in cash payments to customers for generating extra solar energy



36.6 million pounds greenhouse gas emissions avoided by providing clean energy

2018 Regional Achievements

- 16.6% community-wide greenhouse gas emissions reduction from 2015 baseline
- \$16.5M total in overall on-bill customer savings
- 270,000+ customers served, a 97% participation rate
- All start-up capital repaid
- 6% discount in 2018 generation rates
- 1.1 billion lbs. of CO2 avoided in 2018
- 110 megawatt new wind energy project in development
- \$75,000 community engagement pilot grant

SVCE in your Community

Engaging with Los Altos customers and supporting local events

- Community meetings
- Earth day and community events
- Chamber of Commerce presentation & events
- Bike to the Future high school team participation

About Silicon Valley Clean Energy

Silicon Valley Clean Energy (SVCE) was established to reduce dependence on fossil fuels by providing carbon free, affordable and reliable electricity and innovative programs for the SVCE member communities.

We work in partnership with PG&E. We buy clean electricity direct from the source—encouraging the kind of market growth and competition that results in more renewable energy and lower energy generation rates. PG&E continues to deliver electricity over existing infrastructure, maintain power lines and provide customer service as they always have. Your bill continues to come from PG&E, with SVCE’s lower generation charges replacing those from PG&E.



SOURCE



SVCE

buying and
building energy
supplies



DELIVERY



PG&E

delivering energy,
repairing lines
serving customers



CUSTOMER



YOU

benefitting from
cleaner energy,
local control

For more information contact us at:



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