Electric Vehicle Infrastructure Programs

October 23, 2019
Overview

• Intro to SVCE
• CALeVIP
• EVI Plan
SVCE Intro
SVCE Member Communities

Campbell | Cupertino | Gilroy | Los Altos | Los Altos Hills

Los Gatos | Monte Sereno | Morgan Hill | Milpitas

Mountain View | Santa Clara County | Saratoga | Sunnyvale
SVCE Benefits

**Reducing Carbon**
*Fighting climate change by cutting carbon emissions*

We are helping our communities lead the fight against climate change by reducing the use of fossil fuels for energy, transportation and buildings, and building new renewable energy projects.

**Reinvesting Locally**
*Net revenues directly benefit our local community*

SVCE returns value to our customers through competitive rates, clean energy programs, projects, scholarships, grants, and improved access and education.

**Accelerating Innovation**
*Finding new ways to improve the grid and provide more renewable energy*

As the electricity industry undergoes unparalleled changes, SVCE encourages the advancement of new technologies to help our community meet its climate goals.
Electricity Choices

GreenStart
Your default option – carbon free and cheaper than PG&E
• Carbon Free
  ○ 50% wind + solar
  ○ 50% hydropower

GreenPrime
Your voluntary option costs less than 1 penny more per kilowatt hour than GreenStart
• 100% renewable wind + solar
California Electric Vehicle Infrastructure Project (CALeVIP)
What is CALeVIP?

- Funded by CEC and implemented by Center for Sustainable Energy
- Intent is to deploy L2 and DC fast chargers rapidly to meet gaps in charging availability
Peninsula-Silicon Valley CALeVIP Project

- Joint application with neighboring CCAs and munis
- Receiving a combined $33M in funding from CEC for a total of $60M across two counties
- Expected launch: May 2020
- SVCE will tie in with its own EVI programs
Lessons Learned

- CEC determines selection and funding by projected EVI need, based on https://maps.nrel.gov/cec/
Lessons Learned

• CEC is looking for county-wide applications
• Begin conversations with CSE early (now)
• Offering matching funds can help interest the CEC in your project
EVI Plan
Transportation in SVCE Territory

Annual Transportation GHG Emissions (2018)
Total = ~ 2 Million MT CO2e

- Passenger Cars 36%
- Light-Duty Trucks 17%
- Medium-Duty Vehicles 10%
- Heavy-Duty Trucks 20%
- Off-Road 17%
- Other 0%
- Off-Road 17%

- Transportation responsible for over half of community emissions
- Access to convenient and ubiquitous EVI is a critical factor in EV adoption
EVI Joint Action Plan

- Board approved EVI Plan in September 2019
- Available in Transportation section of programs page: https://www.svcleanenergy.org/programs/
- Result of several months of local stakeholder and member agency input
Programs for 2019 Launch

Silicon Valley Transportation Electrification Clearinghouse

- Regional group of key stakeholders focused on information sharing and attracting external funding to the SVCE community
Programs for 2019 Launch

Regional EV Leadership Recognition

• Recurring recognition for best practices in EV infrastructure deployment
Programs for 2019 Launch

Priority Zone DC Fast Chargers

• Competitive solicitation to fund DCFC in SVCE-designated “priority zones” to primarily support nearby MUDs
Programs for 2020(?) Launch

MUD Technical Assistance
• Technical assistance and rebates for shared L2 charging at MUDs

Workplace Charging Rebates
• L2 charging rebates for small/medium businesses

Fleet Electrification Grants
• Competitive solicitation for fleet electrification planning support and funding for site upgrades
Learn More:

🌐 SVCleanEnergy.org

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