DOCKETED	
Docket Number:	18-ALT-01
Project Title:	2019-2020 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program
TN #:	226518
Document Title:	Prospect Silicon Valley's Comments for CEC ARFVTP Investment Plan 2019-2020 Update
Description:	N/A
Filer:	System
Organization:	Prospect Silicon Valley
Submitter Role:	Public
Submission Date:	2/13/2019 2:26:41 PM
Docketed Date:	2/13/2019

Comment Received From: Prospect Silicon Valley
Submitted On: 2/13/2019
Docket Number: 18-ALT-01

Prospect Silicon Valley's Comments for CEC ARFVTP Investment Plan 2019-2020 Update

Additional submitted attachment is included below.

Prospect Silicon Valley's Comments on ENERGY COMMISSION 2019-2020
Project Title: 2019-2020 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program
Docket #: 18-ALT-01

Prospect Silicon Valley (ProspectSV) would like to first express our appreciation for the Energy Commission's investment programs in the renewable fuel and vehicle technology program over the years. The Energy Commission's Electric Program Investment Charge (EPIC) grant program and the transportation program have provided important funding for activities to advance vehicle electrification technology in the state of California. ProspectSV is currently the prime of a CEC-funded grant project to deploy an energy management platform for the electrification of Santa Clara Valley Transportation Authority (VTA)'s transit bus fleet.

We offer the following comments for the 2019-2020 Investment Plan Update for the ARFVT program:

- We believe that there is room for growth and development in the light-duty electric vehicle charging infrastructure buildout within the state and that the Energy Commission's investment in this category plays a critical role in encouraging market adoption of electric vehicles down the road. We respectfully encourage the Energy Commission to consider funding initiatives focused on EV charging infrastructure for multi-unit dwelling developments and high-speed charging solution on long-distance routes. ProspectSV is currently engaged with Community Choice Aggregators such as Silicon Valley Clean Energy to discuss partnering on initiatives related to EV charging infrastructure for multi-unit dwellings and long distance fast charging.
- We agree with the Energy Commission's assessment that the coming year will see much activity in the electrification of medium and heavy-duty vehicles. Having worked with transit authorities around the Bay Area, and currently working on a Vehicle-to-grid integration project for the VTA on energy management solutions for EVs, we at ProspectSV believe that the electrification of transit bus fleets is a core initiative for years to come. We respectfully encourage the Energy Commission to develop initiatives around the optimization of the operation of electrified bus fleets, specifically for projects that show ways to harvest energy during high production low costs periods while avoiding demand charges during peak hours. As bus fleets become electrified, having a robust energy management platform and a system-wide view becomes critical for helping the fleet owner to efficiently charge large scale fleets. With adequate Energy Commission support, transit agencies and fleet operators can invest in energy management solutions which will be critical to supporting an entirely electrified bus fleet.
- In addition to efficiencies and optimizations in energy management platforms related to fleet electrification, we believe that the concept should also be expanded to include energy storage and solar power elements, so that the transit agency can develop a comprehensive view of their energy capacity when planning for fleet electrification.
- We respectfully encourage the Energy Commission to consider integrating second-life batteries into demonstration projects, finding creative ways to reuse EV second life batteries into microgrid and energy storage projects as a near-term solution.

- We respectfully encourage the Energy Commission to consider electric automated vehicles as a specific focus area that's relevant to both the EV charging initiative and transportation initiatives. Electrified automated shuttles is one of the most highly anticipated solutions for public agencies exploring first/last mile connection to bring more people to the public transit network. Many electrified automated shuttles projects are in the demonstration and pilot stages. Funding from the Energy Commission to support such initiatives will help move these projects forward.