

DOCKETED

Docket Number:	16-ALT-01
Project Title:	Funding Strategies for Electric Vehicle Infrastructure Workshop
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Document Title:	Presentation - Staff Workshop on Funding Strategies for EV Infrastructure
Description:	Powerpoint presentation on Public Discussion of Presentations
Filer:	Tami Haas
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Staff Workshop on Funding Strategies for EV Infrastructure

Public Discussion of Presentations

June 6, 2016

Public Comment

<http://www.energy.ca.gov/altfuels/zev/2016-ALT-01/index.html>

Please submit comments to the Energy Commission using the e-commenting feature by accessing the Commission's TRANSPORTATION webpage.

Click on the “Submit eComment” link. A full name, e-mail address, comment title, and either a comment or an attached document (.doc, .docx, or .pdf format) is mandatory.



The screenshot shows the California Energy Commission website. The header includes the CA.GOV logo, the California Energy Commission name, and navigation links. The main content area is titled "Funding Strategies for Electric Vehicle Infrastructure" with a docket number of 16-ALT-01. It contains a paragraph about Governor Brown's Executive Order and a list of funding strategies. A sidebar on the right has sections for "Proceeding Information" (with a red box around the "Submit Comment on (16-ALT-01)" link), "More Information" (listing various proceedings and programs), and "Calendar" (showing a workshop on June 06, 2016).

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Funding Strategies for Electric Vehicle Infrastructure

Docket Number: 16-ALT-01

In March 2012, Governor Brown issued an Executive Order (B-16-2012) to help accelerate the market for zero-emission vehicles (ZEVs) in California. This Executive Order established milestones needed to achieve 1.5 million ZEVs in California by 2025. Soon after, the 2013 ZEV Action Plan was created to identify specific strategies and actions state government needed to take to meet the milestones of the Executive Order.

Funds remaining from fiscal year 2015-16 and an additional \$17 million identified in the Investment Plan for fiscal year 2016-17 need to be deployed quickly, effectively, and efficiently. In order to minimize the time to get charging stations operational, staff will discuss:

- » Simple and streamlined funding processes,
- » Robust data collection and analysis to pinpoint areas for funding,
- » Capitalizing on projects that have completed preliminary work and have charging sites selected and ready to go, and
- » Leveraging funds from public and private partnerships.

The California Energy Commission (Energy Commission) staff will hold a public workshop to discuss the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP) 2016-17 fiscal year funding activities for plug-in electric vehicle (PEV) infrastructure. The workshop will include presentations and discussions. Commissioners may attend the workshop. The key elements to be discussed at this

Proceeding Information

- Submit Comment on (16-ALT-01)
- Documents for (16-ALT-01)

More Information

- 2016-2017 Investment Plan Proceeding
- Alternative and Renewable Fuel and Vehicle Technology Program Proceedings
- Transportation Division Info
- DRIVE: California's Alternative and Renewable Fuel and Vehicle Technology Program

Calendar

June 06, 2016
Funding Strategies for Electric Vehicle Infrastructure Workshop



Public Comment

Participants are encouraged to use the electronic filing system to submit comments. If you are unable to submit electronically, a paper copy of your comments may be sent to:

California Energy Commission
Dockets Office, MS-4
Docket No. 16-ALT-01
1516 Ninth Street
Sacramento, CA 95814-5512

Or emailing them to: DOCKET@energy.ca.gov and indicating the docket number 16-ALT-01 or title, Funding Strategies for Electric Vehicle Infrastructure.



Public Discussion

- Electric Vehicle Infrastructure Planning and Funding Strategies
 - Strategic Planning
 - Data Collection
 - Infrastructure Deployment Assessment Modeling
 - Moving Towards a Sustainable Market
- Existing Regional Readiness Planning
 - Focused Projects
- Upcoming Solicitation for Regional Readiness



Public Discussion

Strategic Planning

- We are considering various strategies to deploy charging infrastructure in order to spur PEV adoption:
 - Vouchers or rebates
 - Block grant to administer chosen via competitive process
 - Small targeted solicitations with simplified application form

What are your thoughts on these?



Public Discussion

Strategic Planning

- What are the most effective financial incentives and funding mechanisms for various location types and actors?
 - Workplaces?
 - Multi-Unit Dwellings?
 - Fleets?
 - Destinations?
 - Disadvantaged Communities?



Public Discussion

Data Collection

- Gathering data to inform deployment.
- Provide validation of charging infrastructure deployment decisions.
- What will be required for new chargers?
- Upgrades needed for previous charger installations.



Public Discussion

Infrastructure Deployment Assessment Modeling

- Are there any alternative methodologies for projecting EVSE demand by region, by charger type, and by location type?
- Are there any other travel behavior data that can be used by the CEC to improve EV infrastructure planning?
- What other sources can be used to monitor EV market and consumer attitudes towards EVs?



Public Discussion

CALCAP Loan Loss Reserve Financing Program

- Provide a “navigator” – May be through local entities such as Clean Cities or EVSE providers could have a “navigator” on staff.
- Use by EVSE providers to purchase inventory.
- Use loan to match grants from an IOU or other public entity.
- EVSE providers with eligible list of customers apply for loan on behalf of their customers.
- Allowed manufacturing.
- Provide more flexibility for types of applicants.
- Modify the program.



Public Discussion

Regional Readiness Plans/Focused Projects

- Capitalizing on existing analysis for PEV readiness planning work
- Focused Projects
 - Innovative Mobility Services by Using EVs
 - Apartments: Fresno Case Study
 - CalGreen: City of Oakland Case Study
 - South Bay Cities Council of Governments



Public Discussion

Innovative Mobility Services by Using EVs

- How can the State government support innovative e-mobility projects?
- How do the opportunities and challenges in providing innovative mobility services differ by local regions?
- What specific activities should be considered to increase the use of e-mobility services in disadvantaged community areas?
- What best practices exist in the marketplace that would serve as a template for e-mobility projects?

Request for Information: Innovative Electric Mobility (E-Mobility) Services

http://www.energy.ca.gov/contracts/notices/2016-05-10_ARFVTP_eMobility_RFI.pdf

Comments due by June 17, 2016 !!



Public Discussion

Fresno Case Study

- Is the “gas station” model with 50 kW DCFC a good proxy for apartments with no assigned parking or difficulty in putting in on-site chargers?
- Do we also need to look at strategic level 2 chargers for cars that can't use DC FC and for opportunity charging for destination drivers?
- Electricity supply sufficient for 50 kW DCFC?
- Impact to site host?



Public Discussion

Upcoming Solicitation for Regional Readiness

- ZEV Feasibility Studies
- ZEV Plan Development
- ZEV Plan Implementation

