

DOCKETED

Docket Number:	16-ALT-01
Project Title:	Funding Strategies for Electric Vehicle Infrastructure Workshop
TN #:	211611
Document Title:	Notice of Funding Strategies for Electric Vehicle Infrastructure Workshop
Description:	Workshop Notice
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	5/23/2016 3:27:41 PM
Docketed Date:	5/23/2016

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
 SACRAMENTO, CA 95814-5512
 www.energy.ca.gov



In the matter of:)	Docket No. 16-ALT-01
)	
Funding Strategies for Electric Vehicle)	WORKSHOP
Infrastructure Workshop)	RE: Funding Strategies for Electric Vehicle Infrastructure Workshop

Notice of Funding Strategies for Electric Vehicle Infrastructure Workshop

The California Energy Commission (Energy Commission) staff invites you to participate in 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 workshop will include but not be limited to:

- Deployment mechanisms (light duty infrastructure)
- Placement priorities (light duty infrastructure)

The workshop will be held on:

June 6, 2016
 9:00 a.m. – 5:00 p.m.
 CALIFORNIA ENERGY COMMISSION
 1516 Ninth Street
 Rosenfeld Hearing Room
 Sacramento, California
 Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™
 (Instructions below)

Background

In March 2012, Governor Brown issued an Executive Order 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.

In two short years, the ZEV market in California has grown significantly and state agencies have completed many of the actions called for in the *2013 ZEV Action Plan*. The State Legislature has also continued to champion these technologies, passing several important laws to facilitate ZEV market expansion.

To insure the Energy Commission is positioned to provide maximum support to the anticipated *2016 ZEV Action Plan* and Governor Brown's ambitious set of climate goals, including reducing petroleum use in cars and trucks in California up to 50% by 2030, staff will seek stakeholder input on mechanisms for rapid light duty infrastructure deployment and placement priorities.

Governor's Executive Order 3-23-2012 sets the policy driver for 2020 to "...have established adequate infrastructure to support 1 million zero-emission vehicles in California..." The Energy Commission's ARFVTP funding is one of the primary charger deployment programs in California to support the Executive Order milestones and goals.

Since 2009, ARFVTP has awarded funds for 8,526 Level 1, Level 2, and DC fast chargers at a variety of residential, multi-unit dwelling, commercial, workplace, and fleet locations throughout the state. These awards represent more than 25 percent of the public access PEV chargers installed in California since that date. The Energy Commission's current solicitation, GFO-15-603, could potentially add 54 additional DC fast chargers along California's highway corridors.

Only a four-year window of opportunity is available to provide infrastructure for the 2020 goal. 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. The traditional solicitation and award process may take up to three years to have a fully operational charging station completed. In order to minimize the time to get charging stations operational, ARFVTP needs to:

- Consider simple and streamlined funding processes,
- Maintain robust data collection and analysis to pinpoint areas for funding,
- Capitalize on projects that have completed preliminary work and have charging sites selected and ready to go, and
- Leverage funds from public and private partnerships.

Public Discussion

Staff presentations for discussion at the workshop will include the following topics.

- Strategic Planning – How do we get to sufficient infrastructure by 2020?
 - What can the Energy Commission accomplish and what needs to be done by our partners?
 - What are the trigger points for the private sector to independently deploy and at what milestones would deployment occur?

- New analytical staff work and models to provide validation of charging infrastructure deployment decisions
- Frequent and robust data collection of charging events
 - What will be required for new chargers
 - Upgrades needed for previous charger installations
- Potential methods to quickly and simply disburse funds to target areas
 - Small and focused solicitations with simple application process
 - Block grants
 - Vouchers
 - Capitalize on PEV readiness planning work
 - Charging infrastructure to support light-duty fleet conversions
- E-mobility demonstrations

REFERENCE DOCUMENTS

Applicants responding to this workshop may want to familiarize themselves with the following documents:

- 1) 2015-2016 Investment Plan Update for the Alternative and Renewable Fuel and Vehicle Technology Program (CEC-600-2014-009-LCR)
<http://www.energy.ca.gov/2014publications/CEC-600-2014-009/CEC-600-2014-009-LCR.pdf>.
- 2) 2016-2017 Investment Plan Update the Alternative and Renewable Fuel and Vehicle Technology Program (CEC-600-2015-014-SD)
<http://www.energy.ca.gov/2015publications/CEC-600-2015-014/CEC-600-2015-014-SD.pdf>.
- 4) Draft 2015 ZEV Action Plan
https://www.gov.ca.gov/docs/DRAFT_2015_ZEV_Action_Plan_042415.pdf
- 5) PEV Collaborative Statewide and Regional PEV Readiness Reports
<http://www.evcollaborative.org/pev-readiness-reports>.

Investment Plan Updates for the ARFVTP are on display and available for review in the Energy Commission's Library, in addition to being available at the websites listed above. Library hours are Monday – Friday from 8:30 a.m. to 4:30 p.m., closed for lunch 12:00 – 1:00 p.m. The Library is located at: California Energy Commission, 1516 Ninth Street, First Floor, Sacramento, CA 95814, (916) 654-4292.

Public Comment

Staff will accept oral comments and questions during the workshop. Comments may be limited to three minutes per speaker. Any comments may become part of the public record for this proceeding.

Please submit comments to the Energy Commission using the e-commenting feature by accessing the Commission's TRANSPORTATION webpage, <http://www.energy.ca.gov/altfuels/zev/2016-ALT-01/index.html> and 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. After a challenge-response test is used by the system to ensure that responses are generated by a human user and not a computer, click on the "Agree & Submit Your Comment" button to submit the comment to the Commission's Docket Unit.

Please note that written comments, attachments, and associated contact information included within the documents and attachments (e.g. your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

You are encouraged to use the electronic filing system described above 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 proceeding title – Funding Strategies for Electric Vehicle Infrastructure

Public Adviser and Other Commission Contacts

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact the Public Adviser's Office at PublicAdviser@energy.ca.gov or (916) 654-4489 (toll free at (800) 822-6228).

If you have a disability and require assistance to participate, please contact Lou Quiroz at lquiroz@energy.ca.gov or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Lindsee Tanimoto at lindsee.tanimoto@energy.ca.gov or (916) 654-4566.

Remote Attendance

You can participate in the meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you listen to the audio via your telephone. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded.

To join a meeting:

VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: **924 248 580**. When prompted, enter your name and other information as directed and the following meeting password: **meeting@9**.

The "Join Conference" menu will offer you a choice of audio connections:

1. To call into the meeting: Select "I will call in" and follow the on-screen directions.
2. International Attendees: Click on the "Global call-in number" link.
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4. To listen over the computer: If you have a broadband connection, and a headset or a computer microphone and speakers, you may use VoIP (Internet audio) by going to the Audio menu, clicking on "Use Computer Headset," then "Call Using Computer."

VIA TELEPHONE ONLY (no visual presentation): Call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: **921 424 386**.

International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>.

VIA MOBILE ACCESS: Access to WebEx meetings is now available from your mobile device. To download an app, go to www.webex.com/overview/mobile-meetings.html.

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Availability of Documents

Documents and presentations for this workshop will be available online at: <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=16-ALT-01>

Date: May 23, 2016



John Kato

Deputy Director

Mail Lists:

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