

DOCKETED

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CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov

In the matter of:)	Docket No. 15-MISC-04
)	
Fuels and Transportation Technology Merit)	WORKSHOP
Review: Electric Vehicle Charging)	RE: Fuels and Transportation
Infrastructure Project Success)	Technology Merit Review: Electric
		Vehicle Charging Infrastructure
		Project Success

Notice of Lead Commissioner Technology Merit Review Workshop: Electric Vehicle Charging Infrastructure Project Success

Janea A. Scott Lead Commissioner for Transportation of the California Energy Commission will conduct a Technology Merit Review workshop to highlight key ingredients for successful development of electric vehicle charging infrastructure projects in California funded by the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). Commissioner Scott will preside over the workshop and other Commissioners may attend.

Monday, April 25, 2016
9:00 a.m.

CALIFORNIA ENERGY COMMISSION
1516 Ninth Street
First Floor, Art Rosenfeld Hearing Room
Sacramento, California 95814
Wheelchair Accessible

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Background

Beginning in 2008, the Energy Commission's Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP) has funded the installation of 7,490 electric vehicle (EV) Level 1, Level 2, and DC fast chargers at a variety of residential, multi-unit dwelling, commercial, workplace, and connector locations throughout the state. This represents roughly 80 percent of EV chargers installed in California since that date. The

Energy Commission also contributed funding to the California Air Resources Board (ARB) to provide rebates for 10,700 light-duty electric vehicles and 150 medium- and heavy-duty hybrid electric trucks as part of the initial vehicle incentive program. As of February 2016, electric vehicle cumulative growth exceeds 189,000 in California (or 45 percent of U.S. electric vehicle sales), and includes the first 29 advanced electric medium- and heavy-duty vehicle technology demonstration projects. Several projects have achieved notable progress and commercial success while others are still under development. To complement the successful introduction of electric vehicles and charger infrastructure, the Energy Commission has funded the development of regional EV readiness plans through local government planning agencies for 12 plug-in electric vehicle readiness regions and 19 zero-emission vehicle regional planning and implementation projects to accelerate the technology advancement and adoption of zero-emission vehicles in both the light- and heavy-duty sectors.

The California Public Utilities Commission (CPUC) has approved two investor owned utility pilot projects and continues to deliberate on a third utility proposal to allow utility rate basing of EV infrastructure costs that would significantly increase the number of EV chargers installed in the state. The CPUC has also reached a settlement agreement to dedicate \$100 million for investment in electric vehicle charger installations in California.

The successful projects and the prospect for additional investment in EV infrastructure will help attain Governor Brown's goals to reduce California greenhouse gas emissions by 40 percent below 1990 levels by 2030, reduce petroleum fuel use by 15 percent below 2003 levels by 2020, and implement Governor Brown's Zero-Emission Vehicle Action Plan to deploy infrastructure that will accommodate 1 million electric vehicles by 2020 and 1.5 million electric vehicles by 2025 in California. Successful EV charger installations are needed to support the Governor's Sustainable Freight Transport Initiative to improve freight efficiency and transition to zero-emission and near-zero emission technologies.

The Energy Commission elicited testimony and analytical studies from several stakeholders in the *2013* and *2014 Integrated Energy Policy Reports* (IEPR), who noted the plausibility of increasing alternative and renewable transportation fuels two-to-six-fold by 2020 compared to 2008. The ARB concurred with this possibility through independent illustrative scenarios developed for the Low Carbon Fuel Standard. In adopting the *2014 IEPR*, the Energy Commission recommended exploring methods to better incorporate data collection, analysis and lessons learned from past ARFVTP investments to evaluate projects, market growth and business plans for target technologies and sectors. The *2014 IEPR* also recommended action to identify, assess and initiate funding strategies that further leverage funds commensurate with the commercialization phases of technology and project development.

This workshop presents an opportunity to highlight key ingredients for success, lessons learned and pitfalls to avoid from several ARFVTP electric vehicle charging infrastructure project funding recipients. Use of this information can benefit existing and future projects and help the Energy Commission adapt and improve future investment

plans and solicitations. The workshop will also include comments from independent peer reviewers on each project presented. This is an initial step to establish an annual Technology Merit Review for ARFVTP projects and technology sectors, which might adopt and adapt aspects of similar activities conducted by the U.S. Department of Energy. Additionally, the workshop will provide insights about future deployment of incentives from the Energy Commission in the context of investment from utilities and private sector.

Public Comment

Oral comments – Oral comments will be accepted during the workshop. Comments may be limited to three minutes per speaker and any comments will become part of the public record in this proceeding.

Written comments – Please submit comments to the Energy Commission using the e-commenting feature by accessing the Commission’s TRANSPORTATION webpage, <http://energy.ca.gov/altfuels/2015-MISC-04/> 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. 15-MISC-04
1516 Ninth Street
Sacramento, CA 95814-5512

Or e-mailing them to: DOCKET@energy.ca.gov and indicating the proceeding title – Fuels and Transportation Technology Merit Review

Public Adviser and Other Commission Contacts

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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 Tim Olson at tim.olson@energy.ca.gov or (916) 654-4528.

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Availability of Documents

Documents and presentations for this meeting will be available online at:
<http://energy.ca.gov/altfuels/2015-MISC-04/>.

March 15, 2016

JANEA A. SCOTT
Lead Commissioner for Transportation

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