

CALIFORNIA ENERGY COMMISSION

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



The Energy Commission is extending the date for responses from this Request for Information to July 15, 2016.

**Request for Information
Innovative Electric Mobility (E-Mobility) Services
May 10, 2016**

Purpose of Request:

The purpose of this Request for Information (RFI) is to solicit input for innovative electric mobility (e-mobility) activities for potential funding through the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP).

Background:

The ARFVTP was created by Assembly Bill 118 (Núñez, 750, Statutes of 2007), which authorized the California Energy Commission “to develop and deploy technology and alternative and renewable fuels in the marketplace, without adopting any one preferred fuel or technology.” The ARFVTP has an annual budget of approximately \$100 million for projects that:

- Reduce California’s use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance, and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use.
- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

Requested Information:

The Energy Commission is accepting public comments under this RFI to guide funding in innovative e-mobility projects. As an emerging concept in the transportation sector, innovative mobility – also known as smart mobility, alternative mobility, or shared mobility – may include different forms of carsharing, ridesharing, and on-demand ride services, and alternative transit services. Innovative e-mobility would use plug-in electric vehicles, such as battery electric vehicles or plug-in hybrid electric vehicles, as the fleet vehicle.

Through wide adoption of mobile communication technologies and social media, innovative mobility services are becoming a significant part of transportation in

California, especially in the metropolitan areas. Various social benefits related to innovative mobility have been reported in scientific literature, including greenhouse gas reductions, economic savings by households, and reductions in energy consumption per capita.

The potential benefits from innovative mobility are well aligned with the ARFVTP's mission described by AB118 especially in the form of e-mobility. The Energy Commission is evaluating ARFVTP's role for facilitating innovative e-mobility projects to provide low-cost, energy-efficient, and practical transportation services for consumers/Californians/citizens, with financially sustainable business models. This RFI seeks feedback and comments for questions such as the following:

- What types of mobility services may fit well for the use of electric vehicle technologies?
- 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?
- How can e-mobility projects be used in reaching the State's zero-emission vehicle (ZEV) deployment goals and supporting EVSE infrastructure?
- What types of business model would work for e-mobility services?
- What best practices exist in the marketplace that would serve as a template for e-mobility projects?

All comments should contain clear and substantiated reasoning and may also include the following:

1. A discussion of the benefits which may be realized from support and development of the funding area.
2. Identification and explanation of the funding area.
3. The known project opportunities falling within the funding area.
4. A discussion on why ARFVTP funding is necessary for the funding area.

No confidential information may be submitted in response to this RFI. Suggested funding areas should not duplicate or overlap with any existing or previous ARFVTP funding area. Suggested funding areas must be eligible for ARFVTP funding. A description of project types for which the Energy Commission may provide funding can be found at [<http://energy.ca.gov/2014-ALT-01/background.html>].

Respondents to this Request for Information should not include any proprietary, sensitive, or confidential information. This Request for Information will not consider the merits of individual projects or any requests for funding.

How to Comment:

Comments may be submitted through ~~June 17~~ July 15, 2016. Comments received after this date may be excluded from consideration when developing the "emerging opportunities" solicitation. Comments must be emailed to AB118@energy.ca.gov and the subject line must begin with "RFI Emerging Opportunities".