



SACOG Board of Directors

Board of Directors Regular Meeting
Meeting Date: 2/15/2018
Agenda Item No.: 2018-February-8.

Subject: Approve Funding for Zero Emission Vehicle (ZEV) Planning

Consent

Prepared by: Raef Porter

Approved by: James Corless

Attachments: No

1. Issue:

The SACOG region needs to update plans and assumptions for ZEVs to be prepared for increased adoption and use of ZEVs in the region.

2. Recommendation:

The Land Use & Natural Resources Committee recommends that the SACOG Board of Directors authorize the CEO to negotiate and enter into a contract for SACOG staff to perform ZEV planning work for the Sacramento Metropolitan Air Quality Management District (SMAQMD) and its selected Contractors to conduct planning for ZEVs.

3. Background/Analysis:

The SACOG Board of Directors adopted the region's first electric vehicle (EV) infrastructure plan in 2013. The plan used SACOG modeling and GIS data to forecast where EV charging infrastructure should be placed based on likely demand, driver preference, and vehicle range. This approach was different than most regional plans because it emphasizes the use of data and analysis to determine infrastructure need and location. SACOG's unique approach to EV infrastructure planning has been helpful in other planning processes and, since the time SACOG adopted the EV plan, SACOG has been asked by Sacramento County and the City of Sacramento for assistance in their planning efforts. The data from these efforts has been used by Electrify America and the Green City designation for Sacramento as part of the Volkswagen settlement.

4. Discussion/Analysis:

SACOG's ability to provide rich analysis and data for the planning of EVs has attracted interest in applying the methodology to other alternative fuel vehicles. SMAQMD has asked SACOG to work with SMAQMD and its main contractor, Frontier Energy, to conduct a regional infrastructure analysis for all ZEV technologies. This effort would look at fueling infrastructure for light and medium duty vehicles, and infrastructure for ZEV fleets.

SACOG's work would entail creating data and maps of suggested fueling infrastructure locations, and methods for disseminating information.

This project would enhance other ZEV efforts underway, including further implementation of the region's EV infrastructure plan by refreshing many of the assumptions from the original analysis. All data created as part of this project would be retained by SACOG and made available to member jurisdictions and partner agencies through the website www.takechargesac.org.

5. Fiscal Impact/Grant Information:

SACOG would receive \$10,000 for this work, which would be completed in calendar year 2018.