

BOARD MEETING DATE: July 10, 2015

AGENDA NO. 35

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on June 19, 2015. Major topics included Technology Advancement items reflected in the regular Board Agenda for the July Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be held on July 24, 2015.

RECOMMENDED ACTION:

Receive and file.

Dennis R. Yates
Acting Technology Committee Chair

MMM:pmk

Attendance: Mayor Dennis Yates, in attendance at SCAQMD headquarters, chaired the meeting in Supervisor John Benoit's absence. Councilmember Judith Mitchell was also in attendance at SCAQMD headquarters. Councilmember Joe Buscaino and Supervisor Janice Rutherford participated by videoconference. Mayor Miguel Pulido was absent due to a conflict with his schedule.

JULY BOARD AGENDA ITEMS

1. Issue Program Announcement for Proposition 1B-Goods Movement Emission Reduction Program

In June 2015, CARB approved updates to the Proposition 1B-Goods Movement Emission Reduction Program Guidelines identifying new specifications and funding levels for eligible heavy-duty truck projects. The updates include funding for new and used diesel trucks for small fleets and near-zero and zero emission trucks for large fleets. In order to maximize participation statewide, air districts plan to release Program Announcements in a synchronized manner. A release date has not yet been established. This action is to issue a Program Announcement for heavy-duty truck projects once CARB has finalized the solicitation criteria in consultation with air districts.

Moved by Mitchell; seconded by Rutherford; unanimously approved.

2. Amend Contract to Provide Additional Funding to Develop and Demonstrate Plug-In Hybrid Vehicles 

The Board previously recognized \$45,443,332 from the DOE for the development and demonstration of a fleet of medium-duty plug-in hybrid vehicles at utilities and other fleets across the nation, and a contract was executed with the Electric Power Research Institute (EPRI) to conduct the project. This action is to amend the contract with EPRI to continue data collection in order to further evaluate performance and operational benefits while providing feedback for optimization of these plug-in hybrid vehicles in an amount not to exceed \$250,000 from the Clean Fuels Fund (31).

Councilmember Buscaino joined the meeting.

Councilmember Mitchell asked if all of the additional requested funds would be going toward data collection only, while Mayor Yates inquired if there was enough money left in the program to do the data collection. Staff responded the funds were for data collection, analysis and reporting. The 296 vehicles would continue to be tracked across the country since the vehicles have not been on the road long enough to get significant data. The program is ending next month, and funds have been spent on an unexpected amount of time and cost to perform the certification testing required by CARB and EPA. Staff emphasized the importance of maintaining a good relationship with DOE.

Moved by Mitchell; seconded by Rutherford; unanimously approved.

3. Amend Contract to Provide Additional Funding for Hydrogen Fueling Station Demonstration 

The Board previously approved a contract with Linde, LLC, for \$250,000 to design and build a hydrogen station in Laguna Niguel. Subsequently, due to the inability to come to an agreement with site owners, a new site in Orange County was identified for the hydrogen station. The permitting requirements for the new site, however, have increased costs by \$160,000. To ensure the station moves forward, Linde, LLC has requested additional funds to equally share the higher costs. This action is to amend the contract with Linde, LLC, to provide additional funding for the hydrogen fueling station demonstration in an amount not to exceed \$80,000 from the Clean Fuels Fund (31).

In response to a question by Councilmember Mitchell on the new site (San Juan Capistrano) being far south in our Basin, staff responded that it will serve as a connector station from the South Coast to San Diego and is in a convenient location next to the freeway.

Moved by Buscaino; seconded by Rutherford; unanimously approved.

4. Execute Contracts for Two Heavy-Duty CNG Vehicles in Coachella Valley 

In 2009, the MSRC awarded the City of Desert Hot Springs \$25,000 in match funds to purchase one heavy-duty CNG-powered truck. Financial constraints have prevented the City from purchasing this vehicle. Additionally, the Coachella Valley Association of Governments (CVAG) has requested funding for the purchase of a paratransit vehicle for deployment at Roy's Desert Resource Center, the first comprehensive resource center for the transitionally homeless in Coachella Valley. This action is to award contracts from the Clean Fuels Fund (31) to: 1) the City of Desert Hot Springs to cost-share the purchase of a CNG truck with the MSRC in an amount not to exceed \$38,000; and 2) CVAG to purchase a heavy-duty CNG paratransit vehicle in an amount not to exceed \$140,000.

Councilmember Buscaino inquired whether the MSRC funds are still available for the City of Desert Hot Springs (DHS) project. Staff verified that MSRC funding awarded to DHS in 2009 is still available. Councilmember Mitchell also inquired about the use of the paratransit bus for Roy's Desert Resource Center (DRC). Staff responded that Roy's DRC provides ground transportation services to its clients to and from North Palm Springs. The program enables the homeless to get to and from the shelter as well as connects with public transportation services such as Sunline Transit. Mayor Yates inquired as to why DHS was not able to meet the terms of the MSRC grant it had applied for in 2009. Staff indicated that DHS experienced significant financial hardship as a result of the recession and could not provide the match funding required in the MSRC grant.

Moved by Mitchell; seconded by Buscaino; unanimously approved.

5. Recognize Revenue and Appropriate Funds from Clean Fuels, Carl Moyer AB 923 and Proposition 1B-Goods Movement Programs for Administrative Support, Outreach and Education, Capital Outlays, and Related Activities 

The Technology Advancement Office executes hundreds of contracts annually to implement incentive, demonstration and technology transfer projects, involving ongoing administrative support, outreach and education, capital outlays, and related activities. This action is to recognize up to \$1,585,000 in revenue into the General Fund and appropriate \$1,585,000 to the Science & Technology Advancement FY 2015-16 Budget from the following special revenue funds: \$1,185,000 from the Clean Fuels Program Fund (31); \$100,000 from the Carl Moyer Program AB 923 Fund (80); and \$300,000 from the Proposition 1B-Goods Movement Program Fund (81). These appropriations will ensure flexibility and expediency in administering and implementing these programs and in procuring and maintaining equipment required by the programs. Publication requirements will be waived for advanced technology vehicle acquisitions as they are available from limited dealerships.

Moved by Mitchell; seconded by Buscaino; unanimously approved.

ITEM FOR DISCUSSION ONLY

6. Concept for Residential EVSE Pilot Program

Staff will provide information on residential Electrical Vehicle Supply Equipment (EVSE) incentive programs and seek input on a conceptual residential EVSE buy-down program in the SCAQMD jurisdiction.

Mayor Yates asked how much Southern California Edison is providing by way of rebate. Staff responded that SCE is not providing any residential EVSE incentives.

Councilmembers Mitchell and Buscaino supported the concept of a residential EVSE incentive program. However, Councilmember Buscaino felt there needed to be additional support for residents of Environmental Justice (EJ) communities to incentivize infrastructure in these areas. Staff responded that EJ residents would be referred to the Enhanced Fleet Modernization Program Plus-Up (EFMP Plus-Up), which provides low-income families more-generous incentives towards the purchase of PEVs and installation of infrastructure than the proposed EVSE pilot program.

7. Other Business

There was no other business.

8. Public Comment Period

There was no public comment.

Next Meeting: July 24, 2015

Attachment

Attendance

Attachment – Attendance

Councilmember Joseph Buscaino	SCAQMD Governing Board (via VT)
Councilmember Judith Mitchell.....	SCAQMD Governing Board
Supervisor Janice Rutherford	SCAQMD Governing Board (via VT)
Mayor Dennis Yates	SCAQMD Governing Board
Andrew Silva.....	Board Consultant (Rutherford)
Bob Ulloa	Board Consultant (Yates)
Barry Wallerstein, Executive Officer.....	SCAQMD
Barbara Baird, Chief Deputy Counsel.....	SCAQMD
Matt Miyasato, STA	SCAQMD
Laki Tisopulos, STA	SCAQMD
Randall Pasek, STA.....	SCAQMD
Dean Saito, STA.....	SCAQMD
Jason Aspell, STA	SCAQMD
Al Baez, STA	SCAQMD
Phil Barroca, STA	SCAQMD
Brian Choe, STA	SCAQMD
Drue Hargis, STA.....	SCAQMD
Joseph Impullitti, STA	SCAQMD
Patricia Kwon, STA	SCAQMD
Lourdes Cordova Martinez, STA	SCAQMD
Lisa Mirisola, STA	SCAQMD
Walter Shen, STA.....	SCAQMD
Mei Wang, STA	SCAQMD
Vicki White, STA.....	SCAQMD
Matthew Gribble, STA	SCAQMD Student Intern
Naveen Berry, PRDAS.....	SCAQMD
Robert Paud, IM	SCAQMD
Penny Shaw Cedillo, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Danielle Robinson	California Air Resources Board
Jon Leonard	Gladstein, Neandross. & Associates LLG.
Tom Gross	Southern California Edison
Susan Stark	Tesoro