

BOARD MEETING DATE: May 2, 2014

AGENDA NO. 23

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on April 18, 2014. Major topics included Technology Advancement items reflected in the regular Board Agenda for the May Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be on June 20, 2014.

RECOMMENDED ACTION:

Receive and file.

John J. Benoit
Technology Committee Chair

MMM:pmk

Attendance: Mayor Judith Mitchell and Mayor Dennis Yates were in attendance at SCAQMD headquarters. Supervisor John J. Benoit participated by videoconference. Councilman Joe Buscaino listened by teleconference, but did not participate due to this location not being publicly noticed. Mayor Miguel Pulido was absent due to a conflict with his schedule. Chair John Benoit appointed Mayor Pro Tem Ben Benoit as a Committee Member for today's meeting.

MAY BOARD AGENDA ITEMS

1. Issue RFP to Expand and Upgrade the Electric Vehicle Charging Infrastructure at SCAQMD Headquarters

Electric vehicle charging infrastructure at SCAQMD headquarters is not sized to meet the current high demand of plug-in electric vehicles (PEVs) and their charging needs. To address this challenge and prepare for future growth, existing electric vehicle supply equipment (EVSE) needs to be expanded and upgraded to align with workplace charging needs and provide SCAQMD with greater control of building energy demand. Desired features of EVSE will allow for cost recovery, integration with the building energy management system, demand response capabilities and

minimization of time-of-use charges for electricity. This action is to issue an RFP to expand and upgrade electric vehicle charging infrastructure at SCAQMD headquarters.

Mayor Mitchell asked if anyone can currently use SCAQMD chargers and if the proposed upgrades will allow only for specific users. Staff replied that vehicle chargers are currently available for everyone to use 24/7. With the proposed upgrades, the vehicle chargers will still be open to the public, but users may be required to pay a fee and/or be allowed to charge vehicles for a specified amount of time.

Moved by Mitchell ; seconded by Ben Benoit; unanimously approved.

2. Amend Contract to Develop and Demonstrate Battery Electric Drayage Trucks



On October 5, 2012, as part of a DOE grant, the Board approved a \$1,142,070 contract with Transportation Power (TransPower) for four battery electric drayage trucks. This action is to amend the contract with TransPower to add \$375,000 from the Clean Fuels Fund (31) to cost-share the development and demonstration of three additional trucks and related engineering design upgrades. The revised contract award will be \$1,517,070, comprised of \$1,142,070 from the Advanced Technology Goods Movement Fund (61) and \$375,000 from the Clean Fuels Fund (31).

Mayor Mitchell inquired about the operating range and charge time for the trucks. Staff responded that the trucks range between 70 to 100 miles per charge depending on the load, and it takes three to four hours to fully charge.

Moved by Yates; seconded by Ben Benoit; unanimously approved.

3. Recognize Revenue, Execute Contracts and Purchase Equipment to Support Hydrogen Readiness in Early Market Communities



In August 2013, under the AB 118 Program, the CEC issued a PON for projects to develop strategies for the deployment of alternative fuel infrastructure and encourage the adoption of alternative fuel vehicles. On March 12, 2014, the CEC issued a Revised Notice of Proposed Awards awarding \$299,360 to the SCAQMD for a proposal to support hydrogen readiness in early market communities. This action is to recognize revenue in the amount of \$299,360 from the CEC into the Hydrogen Fueling Station Special Revenue Fund (55) and to execute a contract in an amount not to exceed \$299,360 with Bevilacqua-Knight, Inc. to conduct education and outreach activities to support hydrogen readiness in early market communities. This action also includes executing a contract to develop sampling and testing protocols for analyzing impurities in hydrogen automotive fuel per SAE J2719 and for purchase of equipment for performing hydrogen fuel quality testing in an amount not to exceed \$212,100 from the Clean Fuels Fund (31).

Mayor Mitchell asked if the measurement equipment would be portable for use in the field. Staff replied that the purchased unit will be installed in the SCAQMD laboratory and be used to analyze samples collected from stations.

Supervisor Benoit expressed concern regarding hydrogen fuel quality, and the need to ensure the fuel does not damage the vehicles. Staff is in complete agreement as are the OEMs, the CaFCP, and DMS, who all support SCAQMD taking the lead on this project.

Moved by Mitchell; seconded by Yates; unanimously approved.

ITEM FOR DISCUSSION ONLY

4. Date of Next Technology Committee Meeting

Discuss Board direction on whether to move the meeting venue to Palm Desert (same date of May 16th) or change the date to May 23rd (day before Memorial Weekend).

Following the discussion Chair Benoit cancelled the May Technology Committee Meeting unless a time-critical item creates the need to re-evaluate this decision.

5. Public Comment Period

There was no public comment.

6. Other Business

There was no other business.

Next Meeting: June 20, 2014

Attachment

Attendance

Attachment A – Attendance

Supervisor John J. Benoit.....	SCAQMD Governing Board (via VT)
Councilman Joe Buscaino	SCAQMD Governing Board *
Mayor Judith Mitchell.....	SCAQMD Governing Board (via VT)
Mayor Dennis Yates.....	SCAQMD Governing Board
Mark Abramowitz.....	Board Assistant (Lyou)
Bob Ulloa.....	Board Assistant (Yates)
Frank Cardenas.....	Board Consultant (Cacciotti)
Ruby Fernandez, Senior Deputy District Counsel.....	SCAQMD
Matt Miyasato, STA.....	SCAQMD
Henry Hogo, STA.....	SCAQMD
Laki Tisopulos, STA.....	SCAQMD
Fred Minassian, STA.....	SCAQMD
Dean Saito, STA.....	SCAQMD
Al Baez, STA.....	SCAQMD
Brian Choe, STA.....	SCAQMD
Drue Hargis, STA.....	SCAQMD
Patricia Kwon, STA.....	SCAQMD
Lisa Mirisola, STA.....	SCAQMD
Anita Shabandari.....	SCAQMD
Larry Watkins, STA.....	SCAQMD
Sam Atwood, Media.....	SCAQMD
Aaron Katzenstein, PRDAS.....	SCAQMD
Robert Paud, IM.....	SCAQMD
Isabel Aguilar, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Danielle Robinson.....	ARB
Susan Stark.....	Tesoro

* Listening only, via teleconference