

BOARD MEETING DATE: April 4, 2014

AGENDA NO. 23

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on March 21, 2014. Major topics included Technology Advancement items reflected in the regular Board Agenda for the April Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be on April 18, 2014.

RECOMMENDED ACTION:

Receive and file.

John J. Benoit  
Technology Committee Chair

MMM:pmk

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**Attendance:** Mayor Dennis Yates was in attendance at SCAQMD headquarters. Councilman Joe Buscaino and Mayor Miguel Pulido participated by videoconference. Supervisor John J. Benoit participated by teleconference. Mayor Judith Mitchell was absent due to a conflict with her schedule. Since he was participating by audio only, Supervisor Benoit requested that Mayor Yates chair the meeting on his behalf.

## **APRIL BOARD AGENDA ITEMS**

*(Items were taken out of order.)*

### **1. Recognize Revenue and Execute Contract to Demonstrate Emission Control Technology for Ocean-Going Vessels**

The Port of Long Beach (POLB) requested the SCAQMD administer a contract to demonstrate a barge-mounted emission control system on ocean-going vessels while at berth in the POLB. This action is to recognize revenue from the City of Long Beach in an amount not to exceed \$2,063,624 and to execute a contract with Advanced Cleanup Technologies, Inc. to perform the demonstration project in an amount not to exceed \$1,876,018, with the remaining \$187,606 to reimburse the SCAQMD for administrative costs.

*Moved by Benoit; seconded by Pulido; vote taken by roll call.*

*AYES: J. Benoit, Buscaino, Pulido, Yates*

*NOES: None*

**2. Execute Contract for School Bus PM Control Retrofit**

In 2006, Chaffey Joint Union High School District (Chaffey) was awarded a grant to install diesel particulate filters (DPFs) on 15 diesel school buses equipped with Hydraulic Electronic Unit Injector (HEUI) engines. The school buses were exhibiting engine problems due to high backpressure possibly caused by the existing DPFs. In 2013, SCAQMD funded an evaluation of two alternative DPFs, and the evaluation yielded successful results. Chaffey has selected the Thermacat DPF, one of the two technologies evaluated, for installation on the remaining 13 school buses. This action is to execute a contract with Chaffey to retrofit 13 diesel school buses powered by HEUI engines with Thermacat DPF technology at a cost not to exceed \$260,000 from the Carl Moyer Program AB 923 Fund (80).

*Moved by Pulido; seconded by Benoit; vote taken by roll call.*

*AYES: J. Benoit, Buscaino, Pulido, Yates*

*NOES: None*

**ITEM FOR DISCUSSION ONLY**

**3. Report on In-Use Emissions Measurements of Heavy-Duty Vehicles**

Staff will provide a report on in-use emissions measurements of on-road heavy-duty vehicles used in drayage operations, refuse collections, school bus transportation, and transit bus operations. A summary of emissions measurement results of criteria pollutants and greenhouse gases collected for the vehicles powered by heavy-duty diesel, natural gas and propane engines and follow-on activities will also be provided.

**4. Public Comment Period**

*There was no public comment.*

**5. Other Business**

*There was no other business.*

**Next Meeting: April 18, 2014 at SCAQMD Headquarters in CC-8**

**Attachment**

Attendance

## Attachment A – Attendance

Supervisor John J. Benoit.....	SCAQMD Governing Board (via telecon)
Councilman Joe Buscaino .....	SCAQMD Governing Board (via VT)
Mayor Miguel Pulido .....	SCAQMD Governing Board (via VT)
Mayor Dennis Yates .....	SCAQMD Governing Board
Mark Abramowitz .....	Board Assistant (Lyou)
Marisa Perez .....	Board Assistant (Mitchell)
Bob Ulloa .....	Board Assistant (Yates)
John Olvera, Principal Deputy District Counsel .....	SCAQMD
Matt Miyasato, STA .....	SCAQMD
Henry Hogo, STA.....	SCAQMD
Laki Tisopulos, STA .....	SCAQMD
Fred Minassian, STA.....	SCAQMD
Randall Pasek, STA.....	SCAQMD
Dean Saito, STA.....	SCAQMD
Richard Carlson, STA .....	SCAQMD
Adewale Oshinuga, STA.....	SCAQMD
Robert Paud, IM .....	SCAQMD
Penny Shaw Cedillo, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Danielle Robinson .....	ARB
Michael Hook .....	Chaffey Joint Union High School District
Dennis Merkelbach.....	Chaffey Joint Union High School District
Susan Stark .....	Tesoro