

BOARD MEETING DATE: June 2, 2017

AGENDA NO. 25

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on May 19, 2017. Major topics included Technology Advancement items reflected in the regular Board Agenda for the June Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be held on June 16, 2017.

RECOMMENDED ACTION:
Receive and file.

Joe Buscaino, Chair
Technology Committee

MMM:pmk

Attendance: Supervisor Sheila Kuehl, Mayor Pro Tem Larry McCallon, Councilmember Judith Mitchell and Councilmember Dwight Robinson were in attendance at SCAQMD headquarters. Councilmember Joe Buscaino (arrived at 12:10 p.m.) and Supervisor Janice Rutherford participated by videoconference.

JUNE BOARD AGENDA ITEMS

Vice Chair Kuehl called the meeting to order at 12:05 p.m.

1. Reallocate Funding Sources for Awarded Projects Under Carl Moyer Program

On October 7, 2016, the Board awarded contracts under the FY 2015-16 "Year 18" Carl Moyer Program, including two contracts executed for \$249,050 to repower a marine vessel and \$627,873 to replace one off-road agricultural equipment from the Carl Moyer Program Fund (32). Subsequently, staff identified \$225,136 in turn-back funds from withdrawn projects from a 2012 Diesel Emissions Reduction Act (DERA) grant. This action is to amend both contracts, substituting \$225,136 in Carl Moyer funds with the unencumbered portion of the 2012 DERA grant in the Advanced Technology, Outreach and Education Fund (17).

Moved by McCallon; seconded by Mitchell; unanimously approved.

Ayes: Kuehl, McCallon, Mitchell, Robinson and Rutherford

Noes: None

Absent: Buscaino

2. Execute Contract for Secondary Organic Aerosol Formation Study and Amend Technical Assistance Contracts for In-Use Emissions Testing for Heavy-Duty Vehicles

Secondary organic aerosol (SOA) is an important component of suspended fine atmospheric particulate matter with significant environmental risks. Design of an effective emission control strategy to reduce the risks requires further understanding of the formation of SOA. As part of an in-use emissions test previously approved by the Board, staff is proposing to assess SOA concentrations from heavy-duty diesel and natural gas vehicles. These actions are to execute a contract with University of California Riverside CE-CERT to evaluate the SOA formation from heavy-duty diesel and natural gas vehicles and amend contracts with Gladstein, Neandross & Associates, LLC, and AEE Solutions, LLC, to provide technical assistance for in-use emissions testing for heavy-duty vehicles at a total cost not to exceed \$85,000, \$50,000 and \$50,000, respectively, from the Clean Fuels Fund (31).

Mayor Pro Tem McCallon asked if there are any incentives for fleets to participate in the in-use emissions study and whether trucks provided would be representative of the heavy-duty truck population. Staff responded that the study will assist fleets in identifying operational strategies to help reduce fuel consumption and provide information on new vehicle technology eligible for incentive funding programs.

Councilmember Robinson asked whether trucks in the in-use emissions study will be selected from a pool of trucks in previous similar in-use emissions studies. Staff responded that the trucks for this study will be selected from the same pools as those that were tested under previous in-use emission studies, particularly to continue assessing the performance of aftertreatment technologies over time.

Supervisor Kuehl asked if there is any plan to assess emissions benefits from biogas and renewable gas other than natural gas and diesel. Staff responded that the study will assess vehicles fueled with conventional and renewable diesel and natural gas as well as alternative technologies such as hybrid and fully electric technologies.

Moved by Robinson; seconded by McCallon; unanimously approved.

Ayes: Buscaino, Kuehl, McCallon, Mitchell, Robinson and Rutherford

Noes: None

Absent: None

3. Other Business: *There was no other business.*

4. Public Comments: *There were no public comments.*

Next Meeting: June 16, 2017

Attachment

Attendance

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING

Attendance – May 19, 2017

Councilmember Joe Buscaino (via videoconference)	SCAQMD Governing Board
Supervisor Sheila Kuehl	SCAQMD Governing Board
Mayor Pro Tem Larry McCallon	SCAQMD Governing Board
Councilmember Judith Mitchell	SCAQMD Governing Board
Councilmember Dwight Robinson	SCAQMD Governing Board
Supervisor Janice Rutherford (via videoconference)	SCAQMD Governing Board
Ron Ketcham	Board Consultant (McCallon)
Andrew Silva	Board Consultant (Rutherford)
Wayne Nastri	SCAQMD Staff
Barbara Baird	SCAQMD Staff
Fred Minassian	SCAQMD Staff
Vicki White	SCAQMD Staff
Brian Choe	SCAQMD Staff
Drue Hargis	SCAQMD Staff
Adewale Oshinuga	SCAQMD Staff
Greg Ushijima	SCAQMD Staff
Todd Warden	SCAQMD Staff
Gregory Rowley	SCAQMD Staff
Tribrina Brown	SCAQMD Staff
Marjorie Eaton	SCAQMD Staff
Donna Vernon	SCAQMD Staff
Pat Krayser	SCAQMD Staff