

BOARD MEETING DATE: April 5, 2019

AGENDA NO. 21

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting on Friday, March 15, 2019. The following is a summary of the meeting.

RECOMMENDED ACTION:  
Receive and file.

Judith Mitchell, Acting Chair  
Technology Committee

MMM:av

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### **Committee Members**

Present: Supervisor Lisa Bartlett (videoconference)  
Supervisor Janice Hahn (videoconference)  
Mayor Judith Mitchell  
Supervisor V. Manuel Perez (videoconference)  
Council Member Dwight Robinson

Absent: Council Member Joe Buscaino/Chair

### **Call to Order**

Acting Chair Mitchell called the meeting to order at 12:00 pm as Chair Joe Buscaino was absent.

### **ACTION ITEMS:**

#### **1. Issue RFP to Establish Endowment to Support Graduate Student Scholarship Fund**

Staff seeks to issue an RFP to solicit bids to support university graduate student scholarships that will, in part, train students entering the workforce, along with guidance from SCAQMD, on the emerging issues and latest research related to air quality and climate change. Relevant areas of study will include but are not limited to: emissions and air quality impacts, health impacts of air pollution, climate change impacts, sustainable transportation and energy, and improving policy to achieve clean air standards and stabilize GHG emissions. This action is to issue an RFP to solicit bids to establish a university graduate scholarship endowment on air quality and climate change research.

Moved by Robinson; seconded by Bartlett; unanimously approved.

Ayes: Bartlett, Hahn, Mitchell, Perez and Robinson

Noes: None

Absent: Buscaino

## **2. Execute Contracts to Conduct Natural Gas Engine and Vehicle Research Projects**

The DOE, National Renewable Energy Laboratory (NREL), CEC and SCAQMD partnered to launch a research effort to increase efficiency of natural gas engines for medium- and heavy-duty engines and vehicles. In September 2018, NREL issued an RFP to solicit proposals to conduct natural gas engine and vehicle research projects to achieve these goals. Staff identified four proposals that align well with AQMP priorities to reduce NO<sub>x</sub> and PM emissions from transportation sources. This action is to execute contracts in an amount not to exceed \$1,700,000 from the Clean Fuels Program Fund (31) to cost-share these four projects.

*Supervisor Janice Hahn indicated her preference for zero emission technologies and expressed concern over funding near-zero CNG technologies that some community members may not support. Staff explained the Clean Fuels Program focuses on all near- and longer-term technologies, and this specific project is leveraging the federal government's interest in deploying this near-zero emission technology on a national scale, which will result in lower costs and support the SCAQMD's goals for a national lower emission heavy-duty engine standard. Staff further explained the project includes plug-in hybrid trucks that are capable of all electric range.*

*Mayor Mitchell asked if the Cummins engine technologies would achieve 0.02 g/bhp-hr NO<sub>x</sub> and asked for clarification on the US Hybrid technology. Staff explained that the goal for the Cummins engine project is to achieve the 0.02 g/bhp-hr level, including increased efficiency and possibly lower cost for the after treatment system. The US Plug-in Hybrid Electric truck is similar to the light-duty GM Volt, and is capable of providing all electric range using geofencing to focus on all electric driving when travelling through disadvantaged communities. Council Member Robinson supported the need for low-NO<sub>x</sub> larger displacement engines necessary for long haul applications.*

Moved by Robinson; seconded by Perez; unanimously approved.

Ayes: Bartlett, Hahn, Mitchell, Perez and Robinson

Noes: None

Absent: Buscaino

**OTHER MATTERS:**

**3. Other Business**

There was no other business.

**4. Public Comment Period**

There were no public comments.

**5. Next Meeting Date**

The next regular Technology Committee meeting is scheduled for Friday, April 19, 2019 at noon.

**Adjournment**

The meeting adjourned at 12:22 p.m.

**Attachment**

Attendance Record

**ATTACHMENT**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
TECHNOLOGY COMMITTEE MEETING  
Attendance Record – March 15, 2019**

Supervisor Lisa Bartlett (videoconference).....	SCAQMD Board Member
Supervisor Janice Hahn (videoconference).....	SCAQMD Board Member
Mayor Judith Mitchell.....	SCAQMD Board Member
Supervisor V. Manuel Perez (videoconference) .....	SCAQMD Board Member
Council Member Dwight Robinson .....	SCAQMD Board Member
Jacob Haik .....	Board Consultant (Buscaino)
Diane Moss.....	Board Consultant (Hahn)
Marisa Perez .....	Board Consultant (Mitchell)
Susan Stark .....	Marathon Petroleum
Tammy Yamasaki.....	Southern California Edison
Bridget McCann .....	Western States Petroleum Association
Naveen Berry.....	SCAQMD Staff
Seungbum Ha .....	SCAQMD Staff
Drue Hargis .....	SCAQMD Staff
Joseph Impullitti.....	SCAQMD Staff
Pat Krayser .....	SCAQMD Staff
Joseph Lopat.....	SCAQMD Staff
Matt Miyasato.....	SCAQMD Staff
Jennifer Nordbak .....	SCAQMD Staff
Cynthia Snyder.....	SCAQMD Staff
Veera Tyagi .....	SCAQMD Staff
Alejandra Vega.....	SCAQMD Staff
Vicki White .....	SCAQMD Staff
Jill Whynot .....	SCAQMD Staff
Paul Wright.....	SCAQMD Staff