

BOARD MEETING DATE: July 12, 2019

AGENDA NO. 23

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting on Friday, June 21, 2019. The following is a summary of the meeting.

RECOMMENDED ACTION:  
Receive and file.

Joe Buscaino, Chair  
Technology Committee

MMM:av

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### **Committee Members**

Present: Council Member Joe Buscaino/Chair (videoconference)  
Supervisor Lisa Bartlett (videoconference)  
Mayor Judith Mitchell  
Supervisor V. Manuel Perez (videoconference)  
Council Member Dwight Robinson

Absent: Supervisor Janice Hahn

### **Call to Order**

Chair Buscaino called the meeting to order at 12:01 p.m.

### **Opening Comment**

Staff announced that Veera Tyagi, who represents the Legal office for this committee, is on leave and Megan Lorenz, Principal Deputy District Counsel, will be handling this committee in Veera's absence.

### **ACTION ITEMS:**

#### **1. Amend Awards for Alternative Fuel School Bus Replacement Program**

In May 2018, the Board approved awards to 42 school districts for replacement of pre-1994 diesel school buses with new, optional low NOx standard engine alternative fuel buses. Several awards were based on a propane-powered engine that was eventually not commercialized. The school districts that had selected that technology were

presented with the currently available near-zero and zero technology options. For those school districts that selected a lower emitting bus option compared to the original award, additional grant funds would be needed to offset the higher cost of the buses. This action is to amend awards for 16 school districts to purchase cleaner technology buses in an amount not to exceed \$3,206,500 from the Carl Moyer Program AB 923 Special Revenue Fund (80).

Council Member Buscaino supported the staff proposal that provides for a compromise with school districts and vendors who provide low- and zero-emission bus technology options.

Supervisor Perez asked about school districts located in Riverside County that have received incentives funds and what outreach efforts had been conducted in the county. Supervisor Perez emphasized that underserved school districts should be encouraged to apply. Staff responded that they will provide the requested information.

Council Member Robinson commented that Orange County school districts have expressed frustrations with the process and recommended staff develop future solicitations that clarify technology options. He further commented that the number of bus awards for Orange County school districts have varied over years, some higher and some lower, providing equity over multiple years.

Harvey Eder, Public Solar Power Coalition, stated that staff should only consider solar renewable electric buses.

Mike Bolin, a member of the public, asked if public access to stations with renewable natural gas fuel satisfies the Hybrid Voucher Incentive Project (HVIP) requirements. Staff said they will refer this question to CARB who administers the HVIP.

Moved by Mitchell; seconded by Robinson; unanimously approved.

Ayes: Bartlett, Buscaino, Mitchell, Perez, Robinson

Noes: None

Absent: Hahn

**2. Recognize Revenue, Execute and Amend Contracts for Near-Zero and Zero Emission Construction Equipment and Natural Gas and Electric Trucks and Infrastructure, and Reimburse General Fund for Administrative Costs**

In May and June 2019, U.S. EPA notified staff that South Coast AQMD had been approved for awards under the FY 2018 Targeted Air Shed Grant, the Clean Air Technology Initiative (CATI) and the Diesel Emissions Reduction Act (DERA). This action is to recognize revenue up to \$8,277,083 from U.S. EPA, \$7,777,083 into the Clean Fuels Program Fund (31) and \$500,000 into the Advanced Technology Goods

Movement Fund (61), returning \$500,000 to Fund 31. These actions are to also execute contracts with: 1) Volvo Technology of America, LLC, to develop and demonstrate battery-electric construction equipment in an amount not to exceed \$2,000,000; and 2) Daimler Trucks North America (DTNA) to deploy zero emission electric delivery trucks in an amount not to exceed \$4,010,000. These actions are to also amend contracts with: 1) DTNA adding \$500,000 to utilize CATI funds to reduce cost-sharing from the Clean Fuels Program Fund (31) for their Zero Emission Trucks and EV Infrastructure Project; and 2) Clean Energy to add \$1,380,000 in DERA funds for their Market Acceleration Truck Program. Finally, this action is to reimburse the General Fund for administrative costs up to \$387,083 for project implementation.

Mayor Mitchell commented that she does not have a financial interest or conflict of interest, but is required to identify for the record that she is a Board Member of CARB, which is involved in this item.

Council Member Robinson inquired about a potential increase in weight limits and impact on batteries and expressed concern about repeating the experience from the 8.9L LNG trucks. Staff informed the committee that the development project is collecting this information, which will help fine tune and optimize the tradeoffs between the range and cost. This data will help with the ultimate design architecture of the pre-commercial trucks. Staff further explained that large OEMs place high value on their brand reputation so they are ensuring they do early stage data collection, including charging schedule and duty cycles, to optimize the design.

Mr. Eder emphasized equity considerations for solar transition, and expressed concern about renewable natural gas.

Moved by Mitchell; seconded by Robinson; unanimously approved.

Ayes: Bartlett, Buscaino, Mitchell, Perez, Robinson  
Noes: None  
Absent: Hahn

### **INFORMATIONAL ITEM:**

#### **3. Receive and File California Fuel Cell Partnership Executive Board Meeting Agenda and Activity Update**

This report provides the California Fuel Cell Partnership Executive Board Agenda for the meeting held April 4, 2019, and provides the Activity Update for the first quarter of 2019.

Mayor Mitchell asked how many hydrogen stations are currently available in California and the estimated cost of a station. Staff replied that there are currently 40 stations for passenger cars in California, with about 20 in the South Coast region, but

there are additional stations under construction. Current estimated costs are in the \$2-\$3 million dollar range and newer stations are typically larger capacity with multiple dispensers. Mayor Mitchell also asked whether there was funding available to build 200 stations based on the 2025 goal. Staff replied that there is public cofunding identified for the first 100 stations, and CARB's recent changes to the Low Carbon Fuel Standard credit to include both capacity and throughput should encourage investment in more hydrogen stations and EV charging stations.

Mr. Eder commented that funding should be equitable.

#### **OTHER MATTERS:**

##### **4. Other Business**

There was no other business.

##### **5. Public Comment Period**

Mr. Eder expressed concerns about renewable natural gas and discussed his solar new deal proposal. He also referred to reading material on capitalism versus climate and The Economist on equity and modern capitalism.

##### **6. Next Meeting Date**

The next regular Technology Committee meeting is scheduled for Friday, July 26, 2019 at noon.

##### **Adjournment**

The meeting adjourned at 12:49 p.m.

##### **Attachment**

Attendance Record

## **ATTACHMENT**

### **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING**

**Attendance Record – June 21, 2019**

Council Member Joe Buscaino (videoconference) ..... SCAQMD Board Member  
Supervisor Lisa Bartlett (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

Mike Bolin..... US Gain  
Mauro Bologna..... Creative Bus Sales  
Harvey Eder..... Public Solar Power Coalition  
Jason Hohalek..... Creative Bus Sales  
Ashely Huff ..... A-Z Bus Sales  
Ammon Matarao..... A-Z Bus Sales  
Tammy Yamasaki..... Southern California Edison

Barbara Baird ..... SCAQMD Staff  
Naveen Berry..... SCAQMD Staff  
Sam Cao ..... SCAQMD Staff  
Bayron Gilchrist ..... SCAQMD Staff  
Alejandra Guillen-Garcia ..... SCAQMD Staff  
Drue Hargis ..... SCAQMD Staff  
Joseph Impullitti ..... SCAQMD Staff  
Megan Lorenz..... SCAQMD Staff  
Lisa Mirisola..... SCAQMD Staff  
Matt Miyasato..... SCAQMD Staff  
Wayne Nastri..... SCAQMD Staff  
Olga Ospina..... SCAQMD Staff  
Danielle Rodriguez..... SCAQMD Staff  
Penny Shaw Cedillo ..... SCAQMD Staff  
Cynthia Snyder ..... SCAQMD Staff  
Alejandra Vega..... SCAQMD Staff  
Donna Vernon ..... SCAQMD Staff  
Vicki White ..... SCAQMD Staff  
Jill Whynot ..... SCAQMD Staff  
Paul Wright..... SCAQMD Staff