

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 25

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting on Friday, January 19, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:  
Receive and file.

Joe Buscaino, Chair  
Technology Committee

MMM:pmk

---

**Committee Members**

Present: Council Member Joe Buscaino/Chair (videoconference), Mayor Larry McCallon, Mayor Pro Tem Judith Mitchell and Council Member Dwight Robinson

Absent: Supervisor Janice Rutherford and Supervisor Hilda L. Solis

**Call to Order**

Chair Buscaino called the meeting to order at 12:03 p.m.

**ACTION ITEMS:**

*Chair Buscaino asked the Committee to take Items #1 and #2 on consent. Council Member Robinson indicated he had a comment on Item #2. The Committee then approved Agenda Item #1 only without objection.*

**1. Issue Request for Qualifications for Technical Assistance to Support Technology Advancement Activities**

This action is to issue a Request for Qualifications (RFQ) to solicit statements of qualifications from individuals and organizations capable of providing technical expertise in a variety of specialized areas to support SCAQMD's technology advancement activities and implementation efforts. It is anticipated that multiple awards for level-of-effort contracts will be made from this solicitation.

**2. Renew California Fuel Cell Partnership Membership and Participation, Receive and File California Fuel Cell Partnership Board Meeting Agenda and Quarterly Updates, and Participate in California Hydrogen Infrastructure Research Consortium**

Since early 2000, SCAQMD has been a California Fuel Cell Partnership (CaFCP) member and for even longer has been building partnerships with various California agencies and national laboratories. These partners propose forming a consortium focused on near-term hydrogen infrastructure, and recently submitted a joint proposal led by GO-Biz to advance hydrogen infrastructure relevant to the DOE H2@Scale Initiative, a concept to explore wide-scale hydrogen production and utilization in the U.S. These actions are to execute one or more contracts with Frontier Energy, Inc., acting on behalf of the CaFCP, in an amount not to exceed \$245,000 from the Clean Fuels Program Fund (31) to renew SCAQMD's CaFCP membership for 2018, cofund 50 percent of the CaFCP Regional Coordinator position, and provide support for fuel cell truck and bus codes and standards coordination as well as to receive and file the last CaFCP Board Meeting Agenda and recent Quarterly Updates. This action is to also execute an agreement with the National Renewable Energy Laboratory for \$100,000 from the Clean Fuels Program Fund (31) to participate in the California Hydrogen Infrastructure Research Consortium.

Council Member Robinson suggested using the fuel cell vehicles for further education and outreach in large events like the Huntington Beach July 4<sup>th</sup> parade or the Martin Luther King Day parades, as well as possibly pace cars for the Long Beach Grand Prix or Laguna Seca.

Mayor McCallon inquired about the number of Executive Members of the CaFCP, and what other member provides funding for the Regional Coordinator. Staff informed the committee that there are fourteen Executive Members, with additional members, including the Bay Area Air Quality Management District, at graduated rates, and the remaining 50 percent cost share for the Regional Coordinator is provided by the rest of the members.

Mayor Pro Tem Mitchell identified for the record that she is a CARB Board Member, which is involved in Items #2 and #3.

Moved by Robinson; seconded by McCallon; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson  
Noes: None  
Absent: Rutherford and Solis

**3. Demonstrate Zero Emission Cargo Handling Vehicles at Port of Long Beach**

The Port of Long Beach and its project partners have received \$5.3 million in funding from CARB through its Low Carbon Transportation Investments and Air Quality Improvement Program grant solicitation to demonstrate five zero emission cargo handling vehicles at the Port of Long Beach. This demonstration includes three battery electric top handlers, one battery electric yard truck and one hydrogen fuel cell yard truck. The project will provide a unique opportunity to directly compare the performance of battery electric trucks to hydrogen fuel cell trucks. Project partners include CARB, Port of Long Beach, Long Beach Container Terminal and SSA Marine Terminal for a total project cost of \$8.3 million. This action is to execute a contract with the Port of Long Beach in an amount not to exceed \$350,000 from the Clean Fuels Fund (31).

Mayor McCallon inquired as to why CARB and SCAQMD were funding a demonstration project to assist Ports in deciding which technologies were more beneficial from an operational and not emissions standpoint. Staff explained that the Ports are concerned about duty cycle and longevity of various zero emission technologies, and which would work best in the Port environment. In addition, this project is expected to yield GHG and criteria pollutant emission reductions from today's baseline diesel equipment and that the role of this demonstration project will help the Ports determine which zero emission technology will best serve their purpose.

Council Member Buscaino asked how long the demonstration period would be and staff informed the committee that the demonstration period is 6 months with potential for a longer demonstration period.

Moved by McCallon; seconded by Mitchell; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson

Noes: None

Absent: Rutherford and Solis

**4. Recognize Revenue to Develop Test Standard for Performance Verification of Low-Cost Indoor Air Quality Sensors**

DOE's Office of Energy Efficiency and Renewable Energy awarded its competitive research grant, "Building America Industry Partnerships for High Performance Housing Innovation," to Newport Partners, LLC, to develop an American Society for Testing and Materials test standard for performance verification of low-cost indoor air quality sensors. SCAQMD and researchers from Home Ventilating Institute and Texas A&M Riverside Energy Efficiency Laboratory will collaborate with Newport Partners, LLC, on the development of this test standard. This action is to recognize revenue up to \$56,106 from Newport Partners, LLC, to support collaboration of this project.

Moved by McCallon; seconded by Mitchell; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson

Noes: None

Absent: Rutherford and Solis

**OTHER MATTERS:**

**7. Other Business:**

There was no other business.

**8. Public Comment Period:**

There were no public comments.

**9. Next Meeting Date**

The next regular Technology Committee meeting is scheduled for Friday, February 16, 2018 at noon.

**Adjournment**

The meeting adjourned at 12:16 p.m.

**Attachment**

Attendance Record

## **ATTACHMENT**

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

**Attendance – January 19, 2018**

Council Member Joe Buscaino (Videoconference) .....SCAQMD Board Member  
Mayor Larry McCallon .....SCAQMD Board Member  
Mayor Pro Tem Judith Mitchell .....SCAQMD Board Member  
Council Member Dwight Robinson .....SCAQMD Board Member

Ron Ketcham .....Board Consultant (McCallon)  
Marisa Perez .....Board Consultant (Mitchell)  
Anna Solis .....Board Consultant (Solis)

Naveen Berry .....SCAQMD Staff  
Marjorie Eaton .....SCAQMD Staff  
Drue Hargis .....SCAQMD Staff  
Pat Krayser .....SCAQMD Staff  
Fred Minassian .....SCAQMD Staff  
Lisa Mirisola .....SCAQMD Staff  
Matt Miyasato .....SCAQMD Staff  
Patricia Kwon .....SCAQMD Staff  
Joseph Lopat .....SCAQMD Staff  
Jason Low .....SCAQMD Staff  
Ron Moskowitz .....SCAQMD Staff  
Wayne Nastri .....SCAQMD Staff  
Andrea Polidori .....SCAQMD Staff  
Veera Tyagi .....SCAQMD Staff  
Vicki White .....SCAQMD Staff  
Laura Garrett .....SCAQMD Staff