

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 4th 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 Nastro	SCAQMD Staff
Andrea Polidori	SCAQMD Staff
Veera Tyagi	SCAQMD Staff
Vicki White	SCAQMD Staff
Laura Garrett	SCAQMD Staff