

BOARD MEETING DATE: July 11, 2014

AGENDA NO. 33

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on June 20, 2014. Major topics included Technology Advancement items reflected in the regular Board Agenda for the July Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be on July 25, 2014.

RECOMMENDED ACTION:

Receive and file.

John J. Benoit
Technology Committee Chair

MMM:pmk

Attendance: Supervisor John J. Benoit and Mayor Judith Mitchell participated by videoconference. Councilman Joe Buscaino, Mayor Miguel Pulido, and Mayor Dennis Yates were absent due to a conflict with their schedules. Chair Supervisor Benoit appointed Councilman Michael Cacciotti as a one-time Committee Member for today's meeting.

JULY BOARD AGENDA ITEMS

1. Transfer and Appropriate Funding to Establish Air Quality Sensor Performance Evaluation Center

Manufacturers have begun marketing "low-cost" air monitoring sensors to measure air pollution, and local environmental groups and the public are considering them as inexpensive options to independently evaluate air quality. However, there are no ongoing established local, state or federal programs to evaluate the validity of data obtained from such devices or their overall performance. This action is to establish an Air Quality Sensor Performance Evaluation Center (AQ-SPEC) to perform systematic, detailed characterizations of currently available air monitoring sensors using both field- and laboratory-based testing and to communicate the results to the public. This action is to also transfer and appropriate funding up to \$852,000 from

the BP ARCO Settlement Projects Fund (46) to release solicitation documents and issue purchase orders or contracts for equipment and web development, fund program implementation costs and create and fill two new positions to support the AQ-SPEC.

Supervisor Benoit inquired about funding availability from the BP ARCO Settlement Projects Fund (46). Mayor Mitchell noted that some of the proposed expenses are related to funding two new positions and also inquired about funding availability. Dr. Wallerstein confirmed that there is sufficient funding to cover all implementation, operation and maintenance costs associated with the development of this program.

Supervisor Benoit suggested that potential funding opportunities should be pursued to defray ongoing costs, and to sustain AQ-SPEC in future years. Dr. Wallerstein agreed that staff should pursue cost-sharing opportunities with other agencies (e.g., CARB, U.S. EPA, etc.) as well as consider charging a “fee-for-service” to interested air quality sensor manufacturers. Dr. Wallerstein added that EPA has just announced a funding opportunity for community air monitoring using low-cost portable sensors, and indicated that staff will apply for this grant.

Moved by Mitchell; seconded by Cacciotti; unanimously approved with recommendation that the long-term goal of this program is for it to become self-sustaining.

2. Issue RFP to Implement Enhanced Fleet Modernization Program

There is strong interest from the state legislature to provide incentives for eligible low-income owners of older passenger cars to scrap and replace their vehicles with newer, cleaner and more fuel-efficient vehicles. To address this, CARB is amending its AB 118 Enhanced Fleet Modernization Program (EFMP) Regulation to focus on providing greater incentives for older vehicle scrapping and replacement to eligible low- and middle-income owners. Funding to implement the EFMP is available from AB 118, including funding to conduct a pilot program to assess innovative approaches targeting outreach to low- and middle-income vehicle owners for participation in the EFMP. This action is to issue an RFP to solicit proposals to implement one or more pilot programs under the AB 118 EFMP in the South Coast Air Basin in an amount up to \$1.5 million.

Councilman Cacciotti inquired about aspects of the consumer protection component proposed in the EFMP program. Staff responded that much of the consumer protection focuses on the financing of the replacement vehicle and the protection of the consumer against dealership financing that may take advantage of low-income consumers.

Mayor Mitchell indicated that the state legislature has a high interest in accelerating the turnover of high-emitting cars and replacing them with cleaner, more advanced technology vehicles, especially for low-income consumers. Mayor Mitchell indicated that outreach will be critical to getting a broader participation in the program.

Councilman Cacciotti asked if the outreach will be multilingual. Staff indicated it will be. The Councilman indicated that the outreach needs to be “simple” to ensure consumer interest.

Moved by Mitchell; seconded by Cacciotti; unanimously approved.

3. Issue RFPs to Demonstrate Commercial-Grade Electric Lawn and Garden Equipment

Implementing a Commercial-Grade Electric Lawn and Garden Equipment Demonstration Program with local landscape professionals as well as municipalities will promote zero emission lawn and garden equipment and accelerate market penetration in the South Coast Air Basin. This action is to issue two RFPs: the first RFP will solicit proposals from qualified manufacturers and vendors to identify and procure commercial-grade electric lawn mowers; the second RFP will solicit proposals for commercial-grade cordless electric hand-held lawn and garden equipment. The equipment will be loaned on a rotating basis to eligible participating local gardening and landscape professionals and the manufacturers and vendors will provide training and technical support to participants.

Moved by Cacciotti; seconded by Mitchell; unanimously approved.

4. Recognize Revenue, Amend Air Filtration Contract and Execute New Contract to Upgrade and Demonstrate Zero-Emission Heavy-Duty Vehicles 

The SCAQMD applied for and expects to receive a \$500,000 award from U.S. EPA under Section 105 of the Clean Air Act to sponsor Clean Air Technology Initiative projects. Staff proposes to utilize these funds to cosponsor school bus air filtration and zero-emission yard tractor projects. This action is to recognize the \$500,000 award from U.S. EPA into the Advanced Technology, Outreach and Education Fund (17). Secondly, this action is to amend a contract with IQAir to add \$170,000 from the Advanced Technology, Outreach and Education Fund (17) to install and test air filtration systems in school buses. Lastly, this action is to execute a new contract with TransPower to upgrade and demonstrate two electric yard tractors at a cost not to exceed \$405,000, comprised of \$330,000 from the Advanced Technology, Outreach and Education Fund (17) and \$75,000 from the Clean Fuels Fund (31).

Moved by Benoit; seconded by Mitchell; unanimously approved.

5. Recognize Revenue and Appropriate Funds from Clean Fuels, Carl Moyer AB 923 and Proposition 1B-Goods Movement for Administrative Support, Outreach and Education, and Related Activities

The Technology Advancement Office executes hundreds of contracts annually to implement incentive, demonstration and technology transfer projects, involving ongoing administrative support, outreach and education, and other related activities. This action is to recognize up to \$1,250,000 in revenue in the General Fund and appropriate \$1,250,000 to the Science & Technology Advancement FY 2014-15 Budget, Services and Supplies Major Object, Professional and Special Services Account, from the following special revenue funds: \$850,000 from the Clean Fuels Program Fund (31); \$100,000 from the Carl Moyer Program AB 923 Special Revenue Fund (80); and \$300,000 from the Prop 1B Funding-Goods Movement Fund (81). The appropriations will ensure flexibility and expediency in administering and addressing implementation issues for these programs.

Moved by Benoit; seconded by Mitchell; unanimously approved.

6. Recognize Revenue from Participating Members of California Natural Gas Vehicle Partnership and Approve Expenditures for Activities and Projects during FYs 2014-15 and 2015-16 

The SCAQMD Board established the California Natural Gas Vehicle Partnership (CNGVP) to promote greater deployment of natural gas vehicles in California. The participating members pay two-year membership fees to fund program administration and activities and projects to achieve the goals of the CNGVP. This action is to recognize revenue from participating and future CNGVP members; transfer \$25,000 from the Clean Fuels Fund (31) into the Natural Gas Vehicle Partnership Fund (40) for SCAQMD's two-year membership for FYs 2014-15 and 2015-16; approve the FYs 2014-15 and 2015-16 CNGVP budget; amend the contract for CNGVP website maintenance; and authorize the Executive Officer to approve individual expenditures, as selected by the CNGVP for FYs 2014-15 and 2015-16, up to \$75,000 but not to exceed \$225,000 for each fiscal year.

Moved by Cacciotti; seconded by Mitchell; unanimously approved.

7. Approve Truck Projects under “Year 4” Proposition 1B-Goods Movement Program

At its April 4, 2014 meeting, the Board approved a list of heavy-duty truck projects under the “Year 4” Proposition 1B-Goods Movement Program, subject to CARB's final approval. Some truck projects were not included in the recommended list either because of missing information for completion of evaluations or for not furnishing the campaign contribution disclosure forms on time. Since then staff has continued working with these applicants and more truck projects have become eligible. These actions are to augment the list of truck projects, previously approved

by the Board, with additional truck projects as outlined in Table 1, subject to CARB's final approval, and to approve a name change for a truck project. These additional projects will not delay the program implementation schedule, as the final approval will be subsequent to completion of compliance checks by CARB, after which contracts will be executed.

Moved by Cacciotti; seconded by Mitchell; unanimously approved.

8. California Fuel Cell Partnership Executive Board Meeting Notes and Quarterly

Update

This report summarizes the California Fuel Cell Partnership Executive Board meeting held April 15, 2014, and provides quarterly updates for the periods beginning October 2013 and January 2014.

This was a Receive and File item.

9. Other Business

There was no other business.

10. Public Comment Period

There was no public comment.

Next Meeting: July 25, 2014

Attachment

Attendance

Attachment A – Attendance

Supervisor John J. Benoit.....	SCAQMD Governing Board (via VT)
Councilman Michael Cacciotti.....	SCAQMD Governing Board
Mayor Judith Mitchell.....	SCAQMD Governing Board (via VT)
Buford Crites	Board Assistant (JBenoit)
Chung Liu.....	Board Assistant (Mitchell)
Bob Ulloa	Board Assistant (Yates)
Barry Wallerstein, Executive Officer.....	SCAQMD
John Olvera, Principal Deputy District Counsel	SCAQMD
Matt Miyasato, STA.....	SCAQMD
Henry Hogo, STA.....	SCAQMD
Laki Tisopulos, STA	SCAQMD
Randall Pasek, STA.....	SCAQMD
Andrea Polidori, STA.....	SCAQMD
Dean Saito, STA.....	SCAQMD
Connie Day, STA	SCAQMD
Drue Hargis, STA.....	SCAQMD
Lisa Mirisola, STA.....	SCAQMD
Adewale Oshinuga, STA.....	SCAQMD
Anita Shabandari, STA.....	SCAQMD
Shashi Singeetham, STA.....	SCAQMD
Greg Ushijima, STA.....	SCAQMD
Mary Leonard, FIN.....	SCAQMD
Donna Peterson, FIN	SCAQMD
Olga Pikelnaya, PRDAS.....	SCAQMD
Robert Paud, IM	SCAQMD
Donna Vernon, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Danielle Robinson	CARB
Susan Stark	Tesoro
Oscar Abarca	TSC-Top Shelf Consulting
PomPom Ganguli	TSC-Top Shelf Consulting