

BOARD MEETING DATE: May 15, 2020

AGENDA NO. 21

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting on Friday, May 15, 2020. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Joe Buscaino, Chair
Technology Committee

MMM:av

Committee Members

Present: Council Member Joe Buscaino/Chair
Supervisor Lisa Bartlett
Board Member Gideon Kracov
Council Member Judith Mitchell
Council Member Carlos Rodriguez

Absent: None

Call to Order

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

ACTION ITEMS:

1. Recognize Revenue and Reimburse General Fund for Administrative Costs for Enhanced Fleet Modernization Program

Since 2015, the South Coast AQMD has been implementing an Enhanced Fleet Modernization Program (EFMP), branded as Replace Your Ride. For FY 2018-19, CARB has allocated an additional \$14 million in Low Carbon Transportation funds to the South Coast AQMD for the continued implementation of the EFMP Plus-Up Program and to update the alternative mobility options for consistency

with SB 400 and assist with development of CARB's One-Stop-Shop Pilot Project. For FY 2019-20, CARB has also allocated \$1.4 million in AB 118 funds to the South Coast AQMD for the continued implementation of the EFMP Base Program. These actions are to: 1) recognize \$15.4 million from CARB for the EFMP Plus-Up and Base Programs; 2) approve vouchers or other alternative mobility options, including those consistent with SB 400, until all available funds are exhausted and support development of CARB's One-Stop-Shop Pilot Project; and 3) reimburse the General Fund for administrative costs necessary to implement the EFMP.

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

Council Member Rodriguez asked about the outreach efforts and if there is a breakdown by county for the vouchers issued. Staff explained the outreach efforts have largely been focused on disadvantaged and low-income communities since the majority of funds are specifically allocated for these communities. Outreach efforts have included presenting information at AB 617 community meetings, outreach events, webcasts, and through our case management team of three consultants. Staff also maintains a call center to assist potential applicants in multiple languages. In addition, staff shared the voucher distribution by county for 2019. Council Member Rodriguez further inquired about the e-bike program and suggested focus on community college and university areas. Staff informed the committee that CARB is still developing the criteria for e-bike/bike share incentives and will work with CARB and the Bay Area AQMD on developing and implementing the program. Lastly, Council Member Rodriguez asked how disadvantaged communities are identified and suggested that social media platforms be used to enhance outreach, including video testimonials from past voucher recipients. Staff explained the program relies on legislative requirements, including SB 535 and AB 1550, to define these communities, which are designated by the CalEnviroScreen tool and staff will explore opportunities for social media outreach.

Council Member Mitchell asked if the program is oversubscribed. Staff affirmed that the program is oversubscribed, leading to frequent disbursement requests and use of local funds as a loan when funding from CARB is delayed.

Board Member Kracov inquired if the program is still providing vouchers for vehicles with internal combustion engines and suggested eventual phase out. Staff responded that only the highest MPG gasoline vehicles are allowed, and they are primarily super ultra-low emission vehicles that have a similar emissions profile as hybrids.

Council Member Mitchell explained that the program initially began with the BASE program with high MPG gasoline vehicles, and the Plus-Up program was added later to introduce advanced technology. Council Member Mitchell was pleased to see that the highest number of vouchers were issued to advanced technology vehicles.

Council Member Buscaino suggested development of a Heat Map of issued vouchers and further supported the concept of e-bikes and other alternative mobility options.

Moved by Bartlett; seconded by Mitchell; unanimously approved.

Ayes: Bartlett, Buscaino, Kracov, Mitchell, Rodriguez

Noes: None

Absent: None

2. Execute Contract for Commercial Experience Demonstration of Heavy-Duty Electric Trucks

In July 2018, the Board approved more than \$13 million in funding with \$2.5 million in cost-share from U.S. EPA and the San Pedro Bay Ports for Daimler Trucks North America LLC (DTNA) to develop and demonstrate 20 heavy-duty electric trucks and fast charge infrastructure with two fleets in the South Coast region. In July 2019, the Board recognized \$4.177 million in U.S. EPA Targeted Airshed Grant funds and approved a \$4.01 million contract with DTNA for a second project to build and deploy 35 commercial-ready heavy-duty battery electric trucks and fast charge infrastructure for delivery fleets in the South Coast region. Currently, DTNA proposes to develop a Commercial Experience project to demonstrate heavy-duty battery electric trucks with 12-18 fleets to accelerate customer orders for commercial products. This action is to execute a contract with DTNA to demonstrate up to 8 heavy-duty battery electric trucks and transportable fast-charging infrastructure in an amount not to exceed \$1,000,000 from the Clean Fuels Program Fund (31).

Council Member Mitchell inquired about the CARB certification status of the trucks and who will be the buyers of the commercialized trucks. Staff informed the committee that the current demonstration trucks, that will feed into the design of final commercial products, are certified by CARB. The commercialized trucks in 2021 will also be CARB certified and current Daimler customers, such as NFI, Penske, U.S. Foods, Schneider, Ryder, and J.B. Hunt will likely be the early adopters. Fleets that are part of the Customer Experience project include Pepsi, FedEx, Sysco Foods, Kroeger, Knight-Swift and may also be early adopters based on the current trials. Council Member Mitchell also inquired about the transportable DC Fast Chargers. Staff explained that the transportable DC Fast Chargers are grid-connected, skid mounted, and will be sent to each fleet demonstrator.

Council Member Buscaino supported the innovative approach of transportable fast chargers.

Supervisor Bartlett inquired about the physical dimensions of the fast charger. Staff responded that the size of the transportable DC Fast Charger is comparable to a large refrigerator.

Council Member Rodriguez asked for clarification on the number of fleets participating and how they will transition from demonstration to commercial trucks. Staff explained that current Daimler customers will be the main participants and the demonstration trucks will more than likely be dismantled and evaluated for potential design changes to the final commercial products.

Ranji George, a member of the public, supported the project, but requested the committee consider equitable funding for hydrogen and fuel cell technologies.

Moved by Mitchell; seconded by Rodriguez; unanimously approved.

Ayes: Bartlett, Buscaino, Kracov, Mitchell, Rodriguez
Noes: None
Absent: None

3. Amend Contract for Kore Infrastructure Project

In January 2020, the Board approved a contract amendment for Kore Infrastructure LLC (Kore) for a Renewable Natural Gas Commercial Field Test project, including construction of a pyrolysis system on SoCalGas property in Los Angeles. The project is to test various biomass feedstocks for commercial production of renewable natural gas. This action is to amend the contract with Kore to extend the deadline to complete construction, commissioning and testing efforts to December 31, 2020.

Board Member Mitchell inquired as to the availability of the SoCalGas site. Staff informed the committee that SoCalGas is continuing to provide site access to Kore for the duration of the proposed extension. Board Member Kracov supported the concept of recycling waste products, but also informed the committee to maintain a balance with other environmental impacts from technologies, especially pyrolysis.

Moved by Mitchell; seconded by Bartlett; unanimously approved.

Ayes: Bartlett, Buscaino, Kracov, Mitchell, Rodriguez
Noes: None
Absent: None

OTHER MATTERS:

4. Other Business

There was no other business.

5. Public Comment Period

There were no public comments.

6. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, June 19, 2020 at noon.

Adjournment

The meeting adjourned at 12:59 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING

Attendance Record – May 15, 2020

All participants attended the meeting remotely pursuant to Executive Orders N-25-20 and N-29-20

Supervisor Lisa Bartlett.....	SCAQMD Board Member
Council Member Joe Buscaino	SCAQMD Board Member
Board Member Gideon Kracov	SCAQMD Board Member
Council Member Judith Mitchell	SCAQMD Board Member
Council Member Carlos Rodriguez.....	SCAQMD Board Member

James Dinwiddie	Board Consultant (Bartlett)
Jacob Haik	Board Consultant (Buscaino)
Matt Holder	Board Consultant (Rodriguez)
Fred Minassian	Board Consultant (Mitchell)

Mark Abramowitz	Public Member
Barbara Brentano.....	Public Member
Ranji George.....	Public Member
Dave Husen	Public Member
Dan McGivney	SoCalGas
David Rothbart	L.A. County Sanitation District
Andy Silva.....	San Bernardino County
Rick Sikes.....	Consultant
Ross Zelen	Public Member

Derrick Alatorre	SCAQMD Staff
Phil Barroca.....	SCAQMD Staff
Naveen Berry.....	SCAQMD Staff
Mark Henninger	SCAQMD Staff
Joseph Impullitti	SCAQMD Staff
Tom Lee	SCAQMD Staff
Matt Miyasato.....	SCAQMD Staff
Ron Moskowitz	SCAQMD Staff
Wayne Nastri.....	SCAQMD Staff
Anthony Tang.....	SCAQMD Staff
Veera Tyagi	SCAQMD Staff
Alejandra Vega.....	SCAQMD Staff
Vicki White	SCAQMD Staff
Jill Whynot	SCAQMD Staff
Paul Wright.....	SCAQMD Staff