

BOARD MEETING DATE: June 3, 2022

AGENDA NO. 23

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting remotely on Friday, May 20, 2022. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Rex Richardson, Chair
Technology Committee

AK:psc

Committee Members

Present: Board Member Gideon Kracov
Mayor Larry McCallon
Board Member Veronica Padilla-Campos
Vice Mayor Rex Richardson, Chair

Absent: Supervisor Andrew Do
Mayor Carlos Rodriguez

Call to Order

Chair Richardson called the meeting to order at 12:00 p.m.

For additional details of the Technology Committee Meeting, please refer to the Webcast at: **WEBCAST**

ACTION ITEMS:

1. Execute Contract to Study Emissions and Air Quality Impacts from Goods Movement Operations for Inland Southern California Communities

In 2019, the Board approved a project to have the University of California, Riverside College of Engineering - Center for Environmental Research & Technology (UCR/CE-CERT) demonstrate the feasibility of estimating emissions impact from heavy-duty vehicles to local communities using low-cost onboard emission sensors.

In 2021, UCR/CE-CERT proposed a more comprehensive program to better characterize the emissions and air quality impacts from goods movement operations to communities in the Inland Empire. This action is to execute a contract with UCR/CE-CERT to conduct a comprehensive study of the operations and impacts of goods movement in the Inland Empire in an amount not to exceed \$500,000 from the Clean Fuels Program Fund (31).

Board Member Kracov commented that he does not have a financial interest but is required to identify for the record that he is a Board Member of CARB, which is involved in this item.

Mayor McCallon asked if NOx and PM were localized pollutants. Staff explained NOx is a regional pollutant, but PM is a localized pollutant. Mayor McCallon commented that providing filtration to communities is an effective way to mitigate PM impacts and staff concurred. Mayor McCallon then asked if the proposed innovative routing would require For additional details, please refer to the Webcast beginning at 10:17.

Board Member Padilla-Campos asked if innovative routing would be ready for implementation under this proposal. Staff responded that the first two phases are for data collection and performing modeling exercise for the innovative routing. For additional details, please refer to the Webcast beginning at 12:48..

Vice Mayor Richardson expressed support for this study to gain further knowledge of emissions impact from freight movement activities and asked if large fleets or independent operators will be the project participants. Staff responded that both large and small fleets will be included but traditionally larger fleets have more resources to participate.

Ranji George, a public member, requested staff to perform a literature review of what other agencies have done on this work to ensure their efforts are not duplicated.

Moved by McCallon; seconded by Richardson; unanimously approved.

Ayes: Kracov, McCallon, Padilla-Campos, Richardson
Noes: None
Abstain: None
Absent: Do, Rodriguez

2. Adopt Resolution Recognizing Funds and Accepting Terms and Conditions for FY 2021-22 Carl Moyer State Reserve Program, Reimburse General Fund for Administrative Costs, and Amend Carl Moyer Program Award

In March 2022, CARB approved allocations for the FY 2021-22 Carl Moyer “Year 24” State Reserve Program to include \$5,000,000 to South Coast AQMD for commercial lawn and garden equipment projects eligible under the Carl Moyer Program. This action is to: 1) Adopt a resolution recognizing \$5,000,000 in FY 2021-22 Carl Moyer State Reserve funds from CARB into the Carl Moyer Program Fund (32) and accept terms and conditions of the grant award for the implementation of commercial lawn and garden equipment projects within South Coast AQMD, and to reimburse the General Fund for administrative costs up to \$312,500 from the Carl Moyer Program Fund (32); and 2) Amend a Year 23 Carl Moyer award approved in January 2022 to ToursX, LLC for the repower of a marine vessel.

Board Member Kracov commented that he does not have a financial interest but is required to identify for the record that he is a Board Member of CARB, which is involved in this item.

Mayor McCallon inquired about the outreach that will be performed for the Commercial Lawn & Garden Program. Staff replied that outreach will be performed similar to the previous Xommercial Lawn and Garden Programs, which was made through equipment vendors and organizations such as AGZA. Staff added that it is currently working with CARB to update the guidelines to the Moyer program to allow for the implementation of this program and will seek Board approval in Fall 2022 to release a Program Announcement. Staff agreed with Mayor McCallon’s suggestion that staff work with cities to encourage use of zero-emission lawn and garden equipment. For additional details, please refer to the Webcast beginning at 21:42.

Board Member Padilla-Campos expressed support and asked if staff anticipates that funding will be spent down quickly, from which staff acknowledged that funds will be spent down expeditiously.

Board Member Kracov advised that due to the recent passing of the harbor craft rule at CARB, it is anticipated that there will be strong interests in incentives for Moyer from the harbor craft industry.

Mr. George expressed concerns on the longevity of the battery commercial lawn and garden equipment and urged for the research on hydrogen fuel cell alternatives.

Moved by McCallon; seconded by Kracov; unanimously approved.

Ayes: Kracov, McCallon, Padilla-Campos, Richardson
Noes: None
Abstain: None
Absent: Do, Rodriguez

3. Recognize Revenue, Transfer Funds, Release RFP to Continue Implementation of Enhanced Fleet Modernization Program, Execute Contracts and Reimburse General Fund for Administrative Costs

Since 2015, South Coast AQMD has been implementing an Enhanced Fleet Modernization Program (EFMP), branded as Replace Your Ride. In April 2022, CARB allocated an additional \$21.1 million for FY21-22 to South Coast AQMD for EFMP. These actions are to: 1) recognize up to \$21.1 million for EFMP and accept terms and conditions of the grant awards; 2) authorize the Executive Officer to approve vouchers and other alternative mobility options for qualified participants; 3) release RFP to solicit proposals for contractor(s) to assist applicants with the application process, screen applications, and other program support; 4) transfer \$250,000 from AB 923 Special Revenue Fund (80) into HEROS II Special Revenue Fund (56) to cover administrative costs as needed, and 5) execute contracts with contractor(s) for EFMP implementation support and reimburse the General Fund up to \$3.16 million.

Board Member Kracov commented that he does not have a financial interest but is required to identify for the record that he is a Board Member of CARB, which is involved in this item.

Mayor McCallon inquired if the issue with the commenter from the last Board meeting requesting an E-Bike was resolved. Staff responded that staff worked with the commenter, a Replace Your Ride (RYR) applicant, to have her incentive switched to an E-Bike.

Board Member Padilla-Campos expressed surprise that the E-Bike option is available. Staff explained that the program is currently being adjusted and the E-Bike option will be advertised once the changes are finalized. Board Member Padilla-Campos inquired if the program issues a 1099 to participants. Staff responded that they are issued because South Coast AQMD is liable for IRS penalties if they are not.

Moses Huerta, member of the public and an RYR applicant, expressed support for the program. He mentioned that the process required heavy documentation and suggested the process be improved.

Chairman Rex Richardson expressed his support for the Replace Your Ride program and stated the program has helped make clean cars accessible to hard-working people. He also stated that the program makes a difference in many communities, and more investment should continue to flow into the program.

Moved by Kracov; seconded by Padilla-Campos; unanimously approved.

Ayes: Kracov, McCallon, Padilla-Campos, Richardson

Noes: None

Abstain: None

Absent: Do, Rodriguez

4. Amend Contract for Kore Infrastructure Project

In November 2021, 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 Southern California Gas Company 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 term of the contract to May 31, 2023, to complete testing and reporting.

Board Member Padilla-Campos expressed concern over hydrogen production.

Vice Mayor Richardson acknowledged that this is a legacy project and the need for the completion of final testing.

Moved by McCallon; seconded by Kracov; approved.

Ayes: Kracov, McCallon, Richardson

Noes: Padilla-Campos

Abstain: None

Absent: Do, Rodriguez

OTHER MATTERS:

5. Other Business

There was no other business to report.

6. Public Comment Period

Mr. George encouraged committee members to read the November 10, 2021 New York Times article regarding the battery mining process. He also recommended looking at the benefits of hydrogen.

7. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, August 19, 2022, at noon.

Adjournment

The meeting adjourned at 12:50 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING

Attendance Record – May 20, 2022

Board Member Gideon Kracov South Coast AQMD Board Member
Mayor Larry McCallon..... South Coast AQMD Board Member
Board Member Veronica Padilla-Campos..... South Coast AQMD Board Member
Vice Mayor Rex Richardson..... South Coast AQMD Board Member

Matt Hamlett Board Consultant (Richardson)
Chris Wangsaporn Board Consultant (Do)
Amy Wong..... Board Consultant (Padilla-Campos)

Mark Abramowitz Public Member
Phil Barroca..... Public Member
Stephen Bayer Public Member
Ranji George Public Member
Moses Huerta Public Member
Kristy Monji-Chung Public Member
Joe Vandehey Public Member

Derrick Alatorre South Coast AQMD Staff
Maria Allen South Coast AQMD Staff
Sam Cao South Coast AQMD Staff
Daniel Garcia South Coast AQMD Staff
Anissa Heard-Johnson South Coast AQMD Staff
Mark Henninger South Coast AQMD Staff
Justin Joe South Coast AQMD Staff
Aaron Katzenstein South Coast AQMD Staff
Ruby Laity South Coast AQMD Staff
Tom Lee South Coast AQMD Staff
Joseph Lopat South Coast AQMD Staff
Karin Manwaring South Coast AQMD Staff
Susan Nakamura..... South Coast AQMD Staff
Wayne Nastri..... South Coast AQMD Staff
Sarah Rees..... South Coast AQMD Staff
Penny Shaw Cedillo South Coast AQMD Staff
Walter Shen..... South Coast AQMD Staff
Yuh Jiun Tan..... South Coast AQMD Staff
Lisa Tanaka South Coast AQMD Staff
Veera Tyagi..... South Coast AQMD Staff
Donna Vernon South Coast AQMD Staff
Mei Wang..... South Coast AQMD Staff
Michelle White..... South Coast AQMD Staff
Alyssa Yan South Coast AQMD Staff