

OARD MEETING DATE: June 2, 2023

AGENDA NO. 24

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, May 19, 2023. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Carlos Rodriguez, Chair
Technology Committee

AK:psc

Committee Members

Present: Councilmember Carlos Rodriguez, Chair
Supervisor Curt Hagman
Mayor Patricia Lock Dawson
Board Member Veronica Padilla-Campos

Absent: Supervisor Andrew Do
Mayor Larry McCallon

Call to Order

Carlos Rodriguez, Chair called the meeting to order at 12:00 p.m.

For additional details of the Technology Committee Meeting, please refer to the [Webcast](#).

ACTION ITEMS:

1. Adopt Resolution, Recognize Funds for FY 2022-23 Carl Moyer State Reserve, Enhanced Fleet Modernization and Clean Cars 4 All Programs, and Transfer Funds

In May 2023, CARB approved allocations for the FY 2022-23 Carl Moyer “Year 25” State Reserve Program. The allocation to South Coast AQMD is up to \$5.6 million, including 6.25 percent in administrative funds. The Carl Moyer State Reserve funds must be used for on-road zero-emission heavy-duty truck replacement projects that are eligible pursuant to the On-Road Heavy-Duty Vehicle Voucher

Incentive Program. Also, in April, CARB allocated \$1.4 million in Enhanced Fleet Modernization Program (EFMP) and \$40 million in Clean Cars 4 All (CC4A) to continue implementing the Replace Your Ride (RZR) Program. These actions are to: 1) adopt a resolution and accept terms and conditions for FY 2022-23 Carl Moyer State Reserve and recognize up to \$5.6 million in Carl Moyer State Reserve funds; 2) recognize up to \$1.4 million in EFMP and \$40 million in CC4A from CARB into High Emitter Repair or Scrap (HEROS) II Special Revenue Fund (56); 3) approve vouchers and other alternative mobility options until all available funds are exhausted; 4) reimburse the General Fund for administrative costs necessary to implement RZR.

Board Member Padilla-Campos requested an explanation of how the Federal Poverty Level works in the RZR program. Staff explained that it's based on a poverty income level published by the Federal Government each year. Board Member Padilla-Campos also inquired about assistance for the program. Staff explained that the RZR program utilizes three contractors to assist applicants.

Mayor Lock Dawson inquired about the Outreach efforts for the RZR program. Staff responded that outreach is conducted mainly in under-represented communities such as the Inland Empire and also mentioned that the program is over subscribed.

Ranji George, public member, expressed appreciation on the additional incentive amounts for zero emission technology and requested that higher incentive amounts be awarded to hydrogen fuel cell technology. For additional details, please refer to the [Webcast](#) beginning at 5:28.

Moved by Hagman; seconded by Lock Dawson; unanimously approved.

Ayes: Hagman, Lock Dawson, Padilla-Campos, Rodriguez

Noes: None

Abstain: None

Absent: Do, McCallon

2. Recognize Revenue, Transfer Funds, Execute and Amend Agreements to Demonstrate Plug-In Hybrid Tugboat, Fuel Cell Trucks, Battery Electric Compactors, and Retrofit Ocean-Going Vessels and Reimburse General Fund

South Coast AQMD has preliminary been awarded up to \$16,136,700 from U.S. EPA FY22 Targeted Airshed Grant (TAG) Program to demonstrate a plug-in hybrid tugboat, heavy-duty fuel cell trucks, and battery electric asphalt compactors. In September 2020, the Board recognized \$300,000 from the San Pedro Bay Ports for their cost-share of an ocean-going vessel (OGV) retrofit project awarded by FY20 EPA TAG. EPA subsequently approved a change in project scope and project partner, and San Pedro Bay Ports has committed to

providing an additional \$300,000 to the project. These actions are to: 1) recognize revenue up to \$16,136,700 from U.S. EPA into the Clean Shipping Technology Demonstration Special Revenue Fund (83) and the Advanced Technology, Outreach and Education Fund (17); 2) transfer up to \$1.5 million from the Air Quality Investment Program Fund (27) - Rule 1111 into Fund (83) and \$800,000 from the Clean Fuels Program Fund (31) into Fund (17); 3) contingent upon U.S. EPA's final awards, execute contracts with Crowley Maritime Corporation for up to \$11 million from Fund (83), and with Daimler Truck North America, LLC for up to \$5.6 million and Volvo for up to \$1,086,700 from Fund (17); 4) recognize \$300,000 from San Pedro Bay Ports for the OGV retrofit project into the Clean Shipping Technology Demonstration Special Revenue Fund (83), and execute an agreement with San Pedro Bay Ports for \$600,000 including the \$300,000 previously recognized for the Ports' cost-share of the OGV retrofit project; 5) amend the MSC USA contract to include the additional cost-share from San Pedro Bay Ports; and 6) reimburse the General Fund up to \$250,000 from Fund (17) and up to \$500,000 from Fund (83) to administer these projects.

Councilmember Rodriguez inquired about the battery disposal process. Staff responded that the batteries could be reused for other equipment applications and had a conversation with the industry on battery disposal and recycling safety. The timing for the battery recycling process could start in 2024.

Mr. George complimented the South Coast AQMD on the hydrogen project but had a concern about battery disposal.

For additional details, please refer to the [Webcast](#) beginning at 18:07.

Moved by Hagman; seconded by Lock Dawson; unanimously approved.

Ayes: Hagman, Lock Dawson, Padilla-Campos, Rodriguez

Noes: None

Abstain: None

Absent: Do, McCallon

3. Recognize Revenue, Transfer Funds, and Execute Contract for Development and Demonstration of Medium-Duty Zero-Emission Electric Power Take-Off System Work Truck

South Coast AQMD expects to receive an award of \$500,000 from U.S. EPA under the Clean Air Technology Initiative for Odyne to develop and demonstrate an electric Power Take-Off system on a zero-emission battery electric medium-duty truck chassis. These actions are to: 1) recognize revenue, upon receipt, up to \$500,000 from U.S. EPA into the Advanced Technology, Outreach and Education Fund (17); 2) transfer \$250,000 from the Clean Fuels Program Fund (31) as cost-

share into the Advanced Technology, Outreach, and Education Fund (17); and 3) execute a contract with Odyne for the development and demonstration of the zero-emission electric Power Take-off system on an all-electric work truck chassis in an amount not to exceed \$750,000 from the Advanced Technology, Outreach, and Education Fund (17).

Board Member Padilla-Campos and Councilmember Rodriguez recognized U.S. EPA's funding, thanked Odyne's in-kind contribution, and commended South Coast AQMD staff for partnering with local utility companies on important clean technology projects. For additional details, please refer to the [Webcast](#) beginning at 28:04.

Moved by Hagman; seconded by Lock Dawson; unanimously approved.

Ayes: Hagman, Lock Dawson, Padilla-Campos, Rodriguez
Noes: None
Abstain: None
Absent: Do, McCallon

4. Approve Additional Funding for the Residential Electric Lawn Mower Rebate Program

The Residential Electric Lawn Mower Rebate Program provides rebates to help offset the purchase cost of new electric lawn mowers. Participants who purchase a new electric lawn mower can apply online for a rebate after scrapping their old gasoline-powered lawnmowers at a participating licensed dismantler. This action is to request an allocation of up to \$250,000 from the Air Quality Investment Fund (27) Rule 2202 funds to continue the year-round Residential Electric Lawn Mower Rebate Program.

Supervisor Hagman asked about the availability of the program for commercial businesses and expressed the importance of providing incentives for the replacement of lawn and garden equipment at the commercial level. Staff stated that we currently implement the Commercial Lawn and Garden Incentive and Exchange Program that supports commercial landscapers and added that another program that is also available on a state-wide level is the CORE program.

Board Member Padilla-Campos asked about the process of applying for the Residential Electric Lawn Mower Rebate Program. Staff explained that after the participant purchases the equipment and brings their old gasoline lawnmower to an approved dismantler, the participant will then submit an online application where they can receive up to \$250 back as a rebate.

Councilmember Rodriguez asked about program eligibility for landscapers employed by homeowners associations. Staff stated that the landscapers will qualify for the Commercial Lawn and Garden Incentive and Exchange Program. For additional details, please refer to the [Webcast](#) beginning at 33:42.

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

Ayes: Hagman, Lock Dawson, Padilla-Campos, Rodriguez

Noes: None

Abstain: None

Absent: Do, McCallon

OTHER MATTERS:

5. Other Business

There was no other business to report.

6. Public Comment Period

Mr. George expressed concerns about staff developing a program that would work with manufacturers for collecting and recycling batteries to ensure that it does not unfairly impact the overburdened communities.

7. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, August 18, 2023, at noon.

Adjournment

The meeting adjourned at 12:45 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – May 19, 2023

Supervisor Curt Hagman South Coast AQMD Board Member
Mayor Patricia Lock Dawson South Coast AQMD Board Member
Board Member Veronica Padilla-Campos..... South Coast AQMD Board Member
Councilmember Carlos Rodriguez..... South Coast AQMD Board Member

Debra Mendelsohn Board Consultant (Rodriguez)
Michael Miller..... Board Consultant (Hagman)
Andy Silva Board Consultant (Lock Dawson)
Mark Taylor Board Consultant (Rodriguez)
Amy Wong..... Board Consultant (Padilla-Campos)

Mark Abramowitz Public Member
Kimberly Caceres Public Member
Ranji George Public Member
Greg Glover..... Public Member
Gillian Kaas..... Public Member
Bethmarie Quiambao SCE

Debra Ashby South Coast AQMD Staff
Elham Baranizadeh..... South Coast AQMD Staff
Cindy Bustillos..... South Coast AQMD Staff
Sam Cao South Coast AQMD Staff
Scott Gallegos South Coast AQMD Staff
Dan Garcia South Coast AQMD Staff
Maryam Hajbabaei South Coast AQMD Staff
Sheri Hanizavareh South Coast AQMD Staff
Anissa Heard-Johnson South Coast AQMD Staff
Mark Henninger South Coast AQMD Staff
Kathryn Higgins South Coast AQMD Staff
Justin Joe South Coast AQMD Staff
Aaron Katzenstein South Coast AQMD Staff
Angela Kim..... South Coast AQMD Staff
Ricky Lai..... South Coast AQMD Staff
Ruby Laity South Coast AQMD Staff
Cristina Lopez South Coast AQMD Staff
Wayne Nastro..... South Coast AQMD Staff
Susan Nakamura..... South Coast AQMD Staff
Ash Nikravan South Coast AQMD Staff
Vasileios Papapostolou..... 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 O'Malley South Coast AQMD Staff
Donna Vernon South Coast AQMD Staff
Kristina Voorhess.....South Coast AQMD Staff
Mei Wang..... South Coast AQMD Staff
Paul Wright South Coast AQMD Staff