

BOARD MEETING DATE: April 7, 2023

AGENDA NO. 23

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, March 17, 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 Andrew Do
Supervisor Curt Hagman
Board Member Veronica Padilla-Campos

Absent: Board Member Gideon Kracov
Mayor Larry McCallon

Call to Order

Carlos Rodriguez, Chair called the meeting to order at 12:10 p.m.

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

ACTION ITEMS:

- 1. Adopt Resolutions Recognizing Revenues for FY 2022-23 Community Air Protection Program and Funding Agricultural Replacement Measures for Emission Reductions and Reimburse General Fund for Administrative Costs**
In December 2022, South Coast AQMD executed grant agreements with CARB to receive FY 2022-23 incentive funds from the Community Air Protection Program (CAPP) and the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program, in the amount of \$91,199,804 and \$1,413,500,

respectively, of which 6.25 percent may be used to fund administrative costs. These actions are to: 1) adopt Resolutions recognizing up to \$92 million in CAPP funds and \$1.5 million in FARMER funds from CARB into the Community Air Protection AB 134 Fund (77) and Carl Moyer Program Fund (32), respectively; and 2) reimburse the General Fund for administrative costs up to \$5,699,988 from the CAPP grant and up to \$88,344 from the FARMER Program.

Board Member Padilla-Campos inquired about how Community Air Protection Program (CAPP) projects are prioritized for funding. Staff stated that projects submitted under CAPP are prioritized based upon disadvantaged or low-income status and that the domicile addresses are evaluated using CalEnviroScreen. Staff also added that some of the CAPP funds will be designated towards actions of the AB 617 Community Emission Reduction Plans through a community process.

Ranji George, public member, recommended that the committee focus incentive funds on hydrogen fuel cell projects, instead of on battery technology.

Chair Rodriguez requested an update on the progress of CAPP funding in the next six months. For additional details, please refer to the Webcast beginning at 4:50.

Moved by Hagman; seconded by Do; unanimously approved.

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

2. Recognize Revenue, Transfer Funds, and Execute Contracts for Assistance Implementing Enhanced Fleet Modernization Program

Since 2015, South Coast AQMD has implemented CARB's Enhanced Fleet Modernization Program (EFMP), branded as Replace Your Ride in the South Coast Air Basin. CARB is awarding an additional \$3 million for FY2021-22 due to high demand; additional funding is needed to help cover the cost of program implementation. These actions are to: 1) recognize, upon receipt, up to \$3 million in supplemental funds from CARB into the High Emitters or SCRAP Program (HEROS II) Special Revenue Fund (56); 2) reimburse the General Fund up to \$450,000 from the HERO II Special Revenue Fund (56) for administrative costs necessary to implement EFMP; 3) transfer funds, not to exceed \$2 million, from the BP ARCO Settlement Projects Fund (46) to the HEROS II Special Revenue Fund (56) for EFMP administrative expenditures; 4) transfer and appropriate up to \$40,000 from the HEROS II Special Revenue Fund (56) to the General Fund (01) Technology Advancement Office's FY 2022-23 and/or FY 2023-24 Budget, Services and Supplies Major Object to provide outreach assistance to EFMP participants; and 5) authorize the Executive Officer to execute or amend contracts for EFMP implementation support with Opus Inspection, Foundation for

California Community Colleges and Green Paradigm Consulting, Inc. in an amount not to exceed \$610,000, \$320,000, and \$330,000, respectively, from HEROS II Special Revenue Fund (56).

Board Member Padilla-Campos recognized that implementing EFMP is resource intensive and inquired about updates on the e-bike process. Staff responded that six e-bike incentives were paid, with more being evaluated. Chair Rodriguez commended the staff for the success of the program, specifically the high number of participants from disadvantaged communities.

Harvey Eder, Public Solar Power Coalition, inquired if EFMP would be opened to the homeless and if the percentage of participation in underserved communities be increased.

Chair Rodriguez was encouraged by the continued success of the program, specifically the 92 percent of participants from disadvantaged communities. Chair Rodriguez also commended staff for the program's success and committed to securing additional funds. For additional details, please refer to the [Webcast](#) beginning at 16:20.

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

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

3. Execute a Contract to Develop and Demonstrate Hydrogen Fuel Cell Mobile Power Generation System

Zero-emission alternatives to diesel-fired stationary power generation systems are beginning to be addressed through fuel cell microgrids and energy storage. However, there has been little research into zero-emission energy alternatives for mobile power generation systems. This action is to execute a contract with RockeTruck, Inc. in an amount not to exceed \$200,000 to develop and demonstrate a mobile fuel cell power generation system from the Clean Fuels Program Fund (31).

Board Member Padilla-Campos commented out of abundance of caution she is recusing herself from participation in Agenda Item No. 3 due to involvement by Southern California Edison. Board Member Padilla-Campos left the auditorium during consideration of the item.

Supervisor Hagman inquired about the total project cost and cost share. Staff responded that RockeTruck is leveraging existing awards/in-kind from various partners, including CEC and DOE. Supervisor Hagman also commented on the need

for additional backup generation on remote locations such as mountain tops that are impacted by the recent weather events.

Board Member Rodriguez inquired about the project timeline. Staff responded that the prototype is in development starting mid-2023 and demonstration starting in mid-2024. Board Member Rodriguez asked if there will be a utility demonstration. Staff responded that the project priority is to get this technology developed and demonstrated. The next step will be widespread demonstration, including remote sites for a backup generation as well as battery electric vehicle charging. Backup generation is already planned at CSULA for H2 station operations. Board Member Rodriguez requested future updates, including at the Fuel Cell Partnership. For additional details, please refer to the [Webcast](#) beginning at 23:32.

Moved by Hagman; seconded by Do; unanimously approved.

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

OTHER MATTERS:

4. Other Business

There was no other business to report.

5. Public Comment Period

Mr. George expressed his disagreement with the public comment period limitation of only one minute.

Mr. Eder expressed his disagreement with the public comment period limitation of only one minute.

6. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, April 21, 2023, at noon.

Adjournment

The meeting adjourned at 12:57 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – March 17, 2023

Supervisor Andrew Do South Coast AQMD Board Member
Supervisor Hagman 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)
Mark Taylor Board Consultant (Rodriguez)
Chris Wangsaporn Board Consultant (Do)
Amy Wong Board Consultant (Padilla-Campos)

Mark Abramowitz Public Member
Naveen Berry..... Public Member
Harvey Eder Public Solar Power Coalition
Ranji George Public Member
Bridget McCann Public Member
Gillian Kaas..... Public Member

Debra Ashby..... South Coast AQMD Staff
Cindy Bustillos South Coast AQMD Staff
Sam Cao South Coast AQMD Staff
Philip Crabbe..... South Coast AQMD Staff
Marjorie Eaton..... South Coast AQMD Staff
Scott Gallegos South Coast AQMD Staff
Dan Garcia South Coast AQMD Staff
Sheri Hanizavareh South Coast AQMD Staff
Anissa Heard-Johnson South Coast AQMD Staff
Mark Henninger South Coast AQMD Staff
Aaron Katzenstein South Coast AQMD Staff
Christina Kusnandar South Coast AQMD Staff
Christina Lagos..... South Coast AQMD Staff
Cristina Lopez South Coast AQMD Staff
Joseph Lopat..... South Coast AQMD Staff
Jason Low South Coast AQMD Staff
Ron Moskowitz South Coast AQMD Staff
Wayne Nastri..... South Coast AQMD Staff
Susan Nakamura..... South Coast AQMD Staff
Ash Nikravan..... South Coast AQMD Staff

Priscilla Pineda	South Coast AQMD Staff
Pedro Piqueras	South Coast AQMD Staff
Ricardo Rivera.....	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
Michelle White	South Coast AQMD Staff
Paul Wright	South Coast AQMD Staff