

BOARD MEETING DATE: August 2, 2024

AGENDA NO. 21

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, June 21, 2024. The following is a summary of the meeting.

RECOMMENDED ACTION:  
Receive and file.

Larry McCallon, Acting Chair  
Technology Committee

AK:psc

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### **Committee Members**

Present: Supervisor Andrew Do  
Supervisor Curt Hagman  
Mayor Pro Tem Larry McCallon  
Board Member Veronica Padilla-Campos

Absent: Mayor Patricia Lock Dawson  
Councilmember Carlos Rodriguez, Committee Chair

### **Call to Order**

Acting Committee Chair Larry McCallon 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. Issue RFP to Replace Electric Vehicle Charging Infrastructure at South Coast AQMD Headquarters**

South Coast AQMD headquarters' EV charging infrastructure is outdated and many chargers are no longer repairable. To continue to provide electric vehicle charging to staff and the public it is necessary to upgrade the EV charging infrastructure and add features to include remote monitoring and integrating the charging network into the

building energy management system. This action is to issue an RFP to solicit proposals to replace the EV charging infrastructure at South Coast AQMD headquarters.

Acting Committee Chair McCallon asked if there are Tesla chargers in the current charging network and if there will be any after the network replacement. Aaron Katzenstein, Deputy Executive Officer/Technology Advancement Office, responded that the chargers will be compatible with Tesla vehicles either directly or via an adapter. For additional details, please refer to the [Webcast](#) beginning at 6:54.

Board Member Padilla-Campos asked for clarification on the number of chargers in the network and if all or a portion of them will be replaced and/or upgraded. Vasileios Papapostolou, Planning and Rules Manager/Technology Advancement Office, responded that the entire charging network will be replaced and there are 55 charging boxes that make up 94 chargers in total. Board Member Padilla-Campos also asked if the equipment will be owned by South Coast AQMD or by the vendor. Dr. Papapostolou responded that South Coast AQMD will own the equipment. For additional details, please refer to the [Webcast](#) beginning at 7:40.

Supervisor Curt Hagman echoed Acting Committee Chair McCallon's point about the charging network being compatible with Tesla vehicles. For additional details, please refer to the [Webcast](#) beginning at 8:54.

Harvey Eder, Public Solar Power Coalition, expressed that South Coast AQMD should own and control the charging network equipment to be used as a model for neighborhood associations and local agencies. He encouraged collaboration to expand the network replacement efforts. For additional details, please refer to the [Webcast](#) beginning at 9:24.

Moved by Hagman; seconded by Do; unanimously approved.

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

**2. Adopt Resolution Recognizing Funds for FY 2023-24 Carl Moyer State Reserve, Enhanced Fleet Modernization Program and Clean Cars 4 All, Reimburse General Funds for Administrative Costs, Issue Program Announcement, Amend Carl Moyer Program Awards and Execute Contract to Deploy Zero Emission Equipment**

This Board item covers three separate programs including Carl Moyer, Replace Your Ride (RYP) and U.S. EPA’s Targeted Air Shed Grant. In April 2024, CARB allocated \$5.9 million in Enhanced Fleet Modernization Program (EFMP) and Clean Cars 4 All (CC4A) to continue implementing RYP. Also, in April, CARB approved allocations for the FY 2023-24 Carl Moyer “Year 26” State Reserve Program to fund zero-emission projects. In July 2019, the Board approved \$2,100,000 from U.S. EPA Targeted Air Shed Grant for FY 2018-19 to develop and demonstrate battery electric excavators and wheel loaders. In March 2024, U.S. EPA agreed to amend the award to utilize unspent project and administrative funds to deploy zero-emission equipment and extend the project to December 2025. These actions are to: 1) recognize up to \$5.9 million in EFMP and CC4A into HEROS II Special Revenue Fund (56); 2) adopt a resolution recognizing up to \$5.3 million in FY 2023-24 Carl Moyer State Reserve funds into Carl Moyer Program Fund (32); 3) reimburse General Fund for administrative costs to implement RYP; 4) issue a Program Announcement for eligible zero-emission off-road projects; 5) execute agreements for eligible projects resulting from the Program Announcement; 6) amend Carl Moyer Program awards approved in February 2024; and 7) execute contract with Volvo Technology of America, LLC in an amount not to exceed \$1,296,388, including \$60,000 of unused administrative fund to develop, demonstrate and deploy up to 13 zero emission off-road equipment from Clean Fuels Program Fund (31).

Board Member Padilla-Campos inquired about RYP and the status of the 1099 issue. Ruby Laity, Principal Deputy District Counsel, responded that it was determined that 1099 forms do not need to be issued. For additional details, please refer to the [Webcast](#) beginning at 17:34.

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

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

**3. Adopt Resolution to Recognize Funds and Accept Terms and Conditions of the 2022 Port and Freight Infrastructure Program Award from the California State Transportation Agency**

In December 2023, the Board recognized an award of \$76,250,003 from California State Transportation Agency (CalSTA) under the 2022 Port and Freight

Infrastructure Program (PFIP) to demonstrate a short line hydrogen fuel cell locomotive and deploy direct current fast chargers and hydrogen refueling dispensers for heavy duty trucks. The Board also established the CalSTA Special Revenue Fund (89) to receive the funds. CalSTA requires a resolution of the Board in order to release the funds. The Board also recognized \$500,000 from DOE through a FY 2023 Congressional Direct Spending Request for the project. These actions are to: 1) Adopt a Resolution to recognize funds, accept terms and conditions of the 2022 PFIP award from CalSTA and authorize the Executive Officer to execute the necessary agreements with CalSTA and the California Department of Transportation to receive the award; 2) Reimburse the General Fund up to \$24,000 for administering the DOE grant and 3) Temporary loan up to \$10 million from the Clean Fuels Program Fund (31) to the CalSTA Special Revenue Fund (89) until PFIP grant funds are received. For additional details, please refer to the [Webcast](#) beginning at 21:46.

Moved by Hagman; seconded by Do; unanimously approved.

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

**OTHER MATTERS:**

**4. Other Business**

There was no other business to report.

**5. Public Comment Period**

Mr. Tony Stevens, California Institute of Technology (Caltech), introduced himself and encouraged staff to visit Caltech where students and professors are working on biodegradable polymers, new lithium technologies and hydrogen storage through startup companies. For additional details, please refer to the [Webcast](#) beginning at 22:48.

**6. Next Meeting Date**

The next regular Technology Committee meeting is scheduled for Friday, August 16, 2024, at noon.

**Adjournment**

The meeting adjourned at 12:22 p.m.

**Attachment**

Attendance Record

**ATTACHMENT**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
TECHNOLOGY COMMITTEE MEETING  
Attendance Record – June 21, 2024**

Supervisor Andrew Do .....	South Coast AQMD Board Member
Supervisor Curt Hagman .....	South Coast AQMD Board Member
Mayor Pro Tem Larry McCallon .....	South Coast AQMD Board Member
Board Member Veronica Padilla-Campos .....	South Coast AQMD Board Member
Debra Mendelsohn .....	Board Consultant (McCallon)
Fred Minassian .....	Board Consultant (Padilla-Campos)
Andy Silva .....	Board Consultant (Lock Dawson)
Chris Wangsaporn .....	Board Consultant (Do)
Mark Taylor .....	Board Consultant (Rodriguez)
Mark Abramowitz .....	Public Member
Harvey Eder .....	Public Solar Power Coalition
Avi Chung .....	Public Member
Liam Hurley .....	Public Member
Alex Moutoux .....	Public Member
Alex Spataru .....	Public Member
Tony Stevens .....	Caltech
Mya Amsbury .....	South Coast AQMD Staff
Debra Ashby .....	South Coast AQMD Staff
Berj Der Boghossian .....	South Coast AQMD Staff
Cindy Bustillos .....	South Coast AQMD Staff
Sam Cao .....	South Coast AQMD Staff
Penny Shaw Cedillo .....	South Coast AQMD Staff
Antonius Charles .....	South Coast AQMD Staff
Mia Espinosa .....	South Coast AQMD Staff
Scott Gallegos .....	South Coast AQMD Staff
Sheri Hanizavareh .....	South Coast AQMD Staff
Justin Joe .....	South Coast AQMD Staff
Aaron Katzenstein .....	South Coast AQMD Staff
Brandee Keith .....	South Coast AQMD Staff
Angela Kim .....	South Coast AQMD Staff
Ruby Laity .....	South Coast AQMD Staff
Howard Lee .....	South Coast AQMD Staff
Tom Lee .....	South Coast AQMD Staff

Ron Moskowitz ..... South Coast AQMD Staff  
Ghislain Muberwa ..... South Coast AQMD Staff  
Susan Nakamura ..... South Coast AQMD Staff  
Wayne Nastri ..... South Coast AQMD Staff  
Vasileios Papapostolou ..... South Coast AQMD Staff  
Robert Paud ..... South Coast AQMD Staff  
Paul Rodriguez ..... South Coast AQMD Staff  
Walter Shen ..... South Coast AQMD Staff  
Yuh Jiun Tan ..... South Coast AQMD Staff  
Lisa Tanaka ..... South Coast AQMD Staff  
Diana Thai ..... South Coast AQMD Staff  
Carolina Vargas ..... South Coast AQMD Staff  
Kristina Voorhees ..... South Coast AQMD Staff  
Mei Wang ..... South Coast AQMD Staff