

BOARD MEETING DATE: October 2, 2026

AGENDA NO. 24

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, September 18, 2026. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Carlos Rodriguez,
Committee Chair
Technology Committee

AK:kr

Call to Order

Vice Chair Larry McCallon called the meeting to order at 12:00 p.m.

Roll Call

Committee Members

Present: Committee Chair Carlos Rodriguez
Vice Chair Larry McCallon
Supervisor Curt Hagman
Mayor Patricia Lock Dawson
Supervisor Janet Nguyen
Board Member Veronica Padilla-Campos

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

ACTION ITEMS:

- 1. Execute Contracts, Transfer and Appropriate Funds to Implement Transportation Electrification Advancement for Municipalities Program**
Dr. Fan Xu, Planning and Rules Manager, Technology Advancement Office, presented that in June 2026, the Board recognized an award of \$35,110,390 from CARB for the Transportation Electrification Advancement for Municipalities (TEAM) program to deploy zero-emission municipal vehicles in the South Coast

AQMD region. South Coast AQMD received interest from 19 local public entities to deploy various types of battery electric municipal vehicles and equipment, along with supporting chargers. These actions are to: 1) execute contracts with participating public entities and academic institutions for initial awards totaling up to \$37,822,842 from GHG Reduction Projects Special Revenue Fund (67); 2) transfer and appropriate up to \$403,233 from GHG Reduction Projects Special Revenue Fund (67) and up to \$1,596,767 from the Clean Fuels Program Fund (31) into Monitoring and Analysis FY 2026-27 and/or 2027-28 Budget for procurement of zero-emission incident response vehicles, as part of the TEAM program; 3) authorize the Executive Officer to redistribute any returned or unused funding among the participating public entities until all available funds are exhausted; 4) authorize the Procurement Manager to issue purchase order(s) for procurement of up to two zero-emission incident response vehicles; and 5) transfer up to \$4,000,000 as a temporary loan for TEAM, as needed, from the Clean Fuels Program Fund (31) into the GHG Reduction Projects Special Revenue Fund (67) and return the loan and the earned interest to the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 3:50.

Chair Rodriguez joined the meeting during the discussion for this item.

Mayor Lock Dawson stated that she does not have a financial interest but is required to identify for the record that she is the Mayor of the City of Riverside, which is involved in this item.

Principal Deputy District Counsel Hanizavareh read the following conflict disclosure on behalf of Supervisor Nguyen: “For Agenda Item No. 1, I do not have a financial interest, but I am required to identify for the record that I am a Supervisor for the County of Orange, which is involved in this item.”

Board Member Padilla-Campos asked what the vehicle deployment timeline is for those municipalities receiving TEAM funding and if this program is for new vehicles only. Dr. Xu confirmed the vehicle deployments are expected by the end of 2027 and the program is for new vehicles only. For additional details, please refer to the [Webcast](#) beginning at 12:24.

Vice Chair McCallon expressed, as chair of the MSRC, he is glad they were able to provide assistance to municipalities to acquire zero-emission vehicles. For additional details, please refer to the [Webcast](#) beginning at 16:18.

Adrian Martinez, Earthjustice and Jeff Arbour, Environmental Services Manager at County of Orange Waste & Recycling, expressed support for the TEAM Program as it provides funding for electric vehicles and charging infrastructure to city and county fleets. For additional details, please refer to the [Webcast](#) beginning at 14:08.

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

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

2. Issue RFP for On-Road Mobile Source Related Hydrogen-Based Zero-Emission Technology Development, Demonstration, Deployment, Workforce Development, and Air Quality Impact Projects

Dr. Maryam Hajbabaie, Program Supervisor, Technology Advancement Office, presented on the South Coast AQMD's Clean Fuels Program supports the development and deployment of advanced zero-emission technologies. Hydrogen and fuel cell technologies provide a zero-emission option to reduce NOx and PM emissions from heavy-duty transportation, freight movement, port operations, off-road equipment, and other applications. This action is to issue an RFP to solicit proposals for the development, demonstration, deployment, workforce development, and air quality evaluation of hydrogen-based zero-emission technologies in an aggregate amount not to exceed \$35,000,000 from the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 17:36.

Supervisor Hagman commented that staff may want to look into scooters powered by small hydrogen bottles and other technologies that support everyday mobility. For additional details, please refer to the [Webcast](#) beginning at 20:50.

Board Member Padilla-Campos commented that the technology is very impressive and expressed her interest in seeing new proposals featuring different fuel cell technologies. For additional details, please refer to the [Webcast](#) beginning at 21:34.

Ranji George, public member, reiterated that in the 1990s, South Coast AQMD helped lay the foundation for hydrogen. For additional details, please refer to the [Webcast](#) beginning at 22:20.

David Park, representing H2FCP, stated that the hydrogen discussions during yesterday's Clean Fuels Advisory meeting were very productive and will support progress towards the South Coast AQMD's ozone attainment goals. For additional details, please refer to the [Webcast](#) beginning at 25:34.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

**3. Issue RFP, Program Announcement and Execute Contracts for AB 617
Emergency Residential Air Filtration Program in SB 535 Communities**

Kelly Trainor Gamino, Program Supervisor, Technology Advancement Office, presented on the following recent emergency fire incidents, including the Palisades, Eaton, and Palos Warehouse Fires, where South Coast AQMD experienced increased demand for standalone High Efficiency Particulate Air (HEPA) purifiers and replacement air filters from nearby impacted residents in SB 535 communities seeking to reduce their exposure to smoke and other harmful particulate matter emissions. These events underscore the need for an AB 617 Emergency Air Filtration Program to rapidly distribute standalone HEPA purifiers and replacement air filters in response to emergency air pollution events that impact SB 535 communities. These actions are to: 1) issue RFP #P2027-06 and authorize the Executive Officer to execute vendor contracts to supply HEPA purifiers and replacement air filters for the AB 617 Emergency Residential Air Filtration Program in an amount up to \$15,000,000 from the Community Air Protection AB 134 Fund (77); and 2) issue Program Announcement #PA2027-03 for the AB 617 Emergency Residential Air Filtration Program. For additional details, please refer to the [Webcast](#) beginning at 27:35

Supervisor Hagman inquired about how air filtration unit prices are updated or billed during an emergency. Staff responded that the RFP results would create a shortlist of vendors at a fixed price to supply air filtration units in response to emergency events. For additional details, please refer to the [Webcast](#) beginning at 29:48.

Board Member Padilla-Campos asked whether the RFP would establish special pricing for additional replacement filters for residents and whether the district endorses the selected vendors for residents. Ms. Trainor Gamino explained that the program would provide a one-year supply of replacement filters. For additional details, please refer to the [Webcast](#) beginning at 32:02.

Vice Chair McCallon commented that he was surprised the San Bernardino Muscody AB 617 Community never included air filtration in their CERP. For additional details, please refer to the [Webcast](#) beginning at 33:25.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

Due to concerns that the Committee would lose a quorum, Committee Chair Rodriguez recommended waving the presentation on Action Item #4

4. Execute Agreements to Implement AB 617 Clean Community School Initiative Program and Transfer Funds for Development of AB 617 Grant Management System

In February 2026, the AB 617 Clean Community School Initiative Program Announcement was released to solicit zero-emission school bus and charging infrastructure projects from privately-owned combustion school buses serving public schools in underserved communities and within AB 617-designated communities in the South Coast AQMD region. Eligible applications were evaluated and staff have identified \$16,370,293 in zero-emission school bus and charging infrastructure projects. In February 2026, the Board also approved funds for the development of the AB 617 Grant Management System (GMS), but funding must be re-appropriated. These actions are to: 1) execute agreements for zero-emission school bus and infrastructure projects for a total amount not to exceed \$16,370,293; and 2) transfer and appropriate up to \$67,000 for the development of the AB 617 GMS from the administrative portion of the Community Air Protection Program (Grant #G22-MCAP-23) into Information Management's FY 2026-27 and/or 2027-28 Budget, Services and Supplies and/or Capital Outlays Major Objects.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

Noes: None

Abstain: None

Absent: Nguyen

5. Execute Contract to Characterize Brake Wear Emissions

Dr. Vasileios Papapostolou, Planning and Rules Manager, Technology Advancement Office, presented on non-tailpipe emissions from brake wear that are an important source of particulate matter that is not well understood. The University of California, Irvine (UCI) proposes a research project to characterize gaseous and particulate brake wear emissions, identify chemical fingerprints for source attribution, and develop emission profiles for use in emissions inventories and air quality modeling. The project will build on prior research and support improvements to CARB's Emission FACtor (EMFAC) model and South Coast AQMD's MATES modeling framework. This action is to execute a contract with UCI in an amount not to exceed \$997,063 to conduct the proposed research from the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 35:45. Supervisor Nguyen joined the meeting during the discussion for this item.

Supervisor Hagman asked if staff might consider updating the scope of the study, considering previous studies and the recent adoption by the CEC of tire efficiency. Dr. Papapostolou explained that South Coast AQMD has other on-going studies related to tire wear. Dr. Aaron Katzenstein, Deputy Executive Officer, Technology Advancement Office, clarified that the current study will focus on brakes and the

importance to establish emissions factors that will be used for EMFAC modeling to estimate PM contributions from mobile sources. For additional details, please refer to the [Webcast](#) beginning at 39:40.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

6. Execute Contracts to Support Advanced Clean Transportation Technology Competitions

Dr. Vasileios Papapostolou, Planning and Rules Manager, Technology Advancement Office, presented on California State University, Los Angeles (Cal State LA), and the University of California, Riverside (UCR), have been selected to participate in national collegiate competitions focused on advanced transportation technologies. Cal State LA and UCR are the only universities in the Basin that were selected to participate in these national competitions. Cal State LA is one of 20 universities awarded to participate in the EcoCAR Innovation Challenge and will develop a Wildfire Command Vehicle, incorporating advanced vehicle electrification technologies for search and rescue and emergency response applications. UCR is one of 12 universities selected to participate in the SAE International and General Motors CivicProgress Challenge and will develop and demonstrate vehicle accessibility technologies for wheelchair users and individuals with disabilities, with potential application to future zero-emission and automated mobility platforms. Both projects will provide hands-on experience with advanced transportation technologies while building skills relevant to clean transportation deployment. These actions are to execute contracts with Cal State LA and UCR in amounts not to exceed \$300,000 and \$150,000, respectively, from the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 42:30.

Chair Rodriguez and Mayor Lock Dawson expressed their support for these competitions. For additional details, please refer to the [Webcast](#) beginning at 48:17.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

7. Execute Contracts for Electrification of Transport Refrigeration Units and Amend Existing Contract for Electrification of Cargo Handling Equipment in Southern California

Nicole Silva, Program Supervisor, Technology Advancement Office, presented in December 2020 and November 2022, the Board recognized \$2,240,721 and \$2,569,933 awards under FY20 and FY21 U.S. EPA Diesel Emission Reduction (DERA) grants to replace diesel transport refrigeration units (TRUs) and cargo handling equipment with zero-emission TRUs and cargo handling equipment. Due to the withdrawal of one of the project partners, new project partners were identified. Pending U.S. EPA's approval, these actions are to: 1) execute contracts with BakeMark USA, LLC, Northgate Gonzalez, LLC, and Rockview Dairies, Inc. for TRU electrification and supporting charging infrastructure in an amount not to exceed \$2,170,975 from the Clean Fuels Program Fund (31); and 2) amend the contracts with Total Terminals International, LLC under the Carl Moyer Program to replace one of three project participants under the U.S. EPA FY21 DERA grant and fund two top handler electrification projects in an amount not to exceed \$1,396,386 from the Advanced Technology, Outreach and Education Fund (17). For additional details, please refer to the [Webcast](#) beginning at 50:05.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

ADMINISTRATIVE ITEMS

8. Amend Contracts for Joint Electric Truck Scaling Initiative Pilot Project Other Business

In June 2021, the Board approved the execution of contracts for the CARB and California Energy Commission (CEC) funded Joint Electric Truck Scaling Initiative (JETSI) Pilot Project to deploy 100 Daimler and Volvo Class 8 battery electric trucks, charging infrastructure, and distributed energy resource technologies at two fleet locations that serve surrounding overburdened communities. In February 2025, the Board approved an extension of the JETSI project and the reallocation of funds to cover energy storage costs, additional chargers and project management expenses. Due to further delays in installing charging infrastructure at one fleet location, CARB and CEC approved extending the project completion date from December 2026 to September 2027 along with the reallocation and repurposing of up to \$639,740 in previously authorized but unspent administrative and project funds to support implementation during the extended project period. These actions are to amend the applicable contracts to continue project implementation, reallocate and repurpose unspent funds for project and administrative costs.

Dr. Katzenstein commented that the project partner in this project changed their name from CALSTART to Catalyst Mobility, Inc.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

9. Re-issue Program Announcement, Transfer Funds, and Execute Agreements for the CHDV ELECTRIC Program

In January 2025, South Coast AQMD recognized an award of \$33,898,522, including administrative costs, from the U.S. EPA 2024 Clean Heavy-Duty Vehicles Grant Program. The awarded proposal titled “Empowering Local Environmental Change Through Replacing Internal Combustion with Battery Electric Class 6 or 7 Vehicles” (ELECTRIC) is designed to replace diesel or gasoline-powered Class 6 and 7 freight delivery vehicles with zero-emission vehicles. In August 2025, a program announcement was issued to solicit projects for ELECTRIC but the program is undersubscribed. To allow more time to expend all funds, U.S. EPA approved an extension of the ELECTRIC grant in August 2026 for two additional years, through December 31, 2028. These actions are to: 1) issue, and if necessary re-issue, a Program Announcement to solicit projects for ELECTRIC; and 2) execute agreements with eligible applicants.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

OTHER MATTERS:

10. Other Business

No other business.

11. Public Comment Period

Mr. George expressed his concerns regarding battery disposal. For additional details, please refer to the [Webcast](#) beginning at 58:28.

12. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, October 16, at 12:00 p.m.

Adjournment

The meeting adjourned at 12:59 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – September 18, 2026

Mayor Carlos Rodriguez South Coast AQMD Board Member
Supervisor Curt Hagman South Coast AQMD Board Member
Mayor Patricia Lock Dawson South Coast AQMD Board Member
Councilmember Larry McCallon South Coast AQMD Board Member
Supervisor Janet Nguyen South Coast AQMD Board Member
Board Member Veronica Padilla-Campos South Coast AQMD Board Member

Jeff Arbour Orange County Waste & Recycling
Michael Faust Public Member
Ranji George Public Member
Moses Huerta Public Member
David Ho Public Member
Adrian Martinez Public Member
Matt Miyasato Earth Justice
David Park H2FCP
Shane Osaki Public Member
Julian Sabri Orange County Waste & Recycling
Catherine Smith Public Member
Jacquelyn Zamora Public Member

Cindy Bustillos South Coast AQMD Staff
Sam Cao South Coast AQMD Staff
Penny Shaw Cedillo South Coast AQMD Staff
Robert Dalbeck South Coast AQMD Staff
Berj Der Boghossian South Coast AQMD Staff
Kelly Gamino Trainer South Coast AQMD Staff
Bay Gilchrist South Coast AQMD Staff
Carlos Gonzalez South Coast AQMD Staff
Dé Groeneveld South Coast AQMD Staff
Maryam Hajbabaei South Coast AQMD Staff
Alex Han South Coast AQMD Staff
Sheri Hanizavareh South Coast AQMD Staff
Aaron Katzenstein South Coast AQMD Staff
Angela Kim South Coast AQMD Staff
Howard Lee South Coast AQMD Staff
Tom Lee South Coast AQMD Staff
Alicia Lizarraga South Coast AQMD Staff
Hay Lo South Coast AQMD Staff
Cristina Lopez South Coast AQMD Staff
Jason Lowe South Coast AQMD Staff

Ian MacMillan	South Coast AQMD Staff
Frances Maes	South Coast AQMD Staff
Ron Moskowitz	South Coast AQMD Staff
Ghislain Muberwa	South Coast AQMD Staff
Pami Mukherjee	South Coast AQMD Staff
Susan Nakamura	South Coast AQMD Staff
Wayne Natri	South Coast AQMD Staff
Payam Pakbin	South Coast AQMD Staff
Vasileios Papapostolou	South Coast AQMD Staff
Pedro Piqueras	South Coast AQMD Staff
Mike Quizon	South Coast AQMD Staff
Cynthia Ravenstein	South Coast AQMD Staff
Sarah Rees	South Coast AQMD Staff
Kristin Remy	South Coast AQMD Staff
Aisha Reyes	South Coast AQMD Staff
MaFe Ruivivar	South Coast AQMD Staff
Walter Shen	South Coast AQMD Staff
Nicole Silva	South Coast AQMD Staff
Lisa Tanaka	South Coast AQMD Staff
Brian Tomasovic	South Coast AQMD Staff
Uyen Uyen Vo	South Coast AQMD Staff
Mei Wang	South Coast AQMD Staff
Fan Xu	South Coast AQMD Staff