

BOARD MEETING DATE: February 6, 2026

AGENDA NO. 19

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, January 23, 2026. The following is a summary of the meeting.

RECOMMENDED ACTION:

Receive and file.

Carlos Rodriguez,
Committee Chair
Technology Committee

AK:psc

Call to Order

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

Roll Call

Committee Members

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

Absent: Supervisor Janet Nguyen

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

ACTION ITEMS:**1. Reallocate Funds, Amend and Execute Agreements and Contracts to Support Ocean-Going Vessel Retrofit Projects**

Maryam Hajbabaei, Program Supervisor, Technology Advancement Office, presented on the 2020 U.S. EPA Targeted Airshed Grant partnership with Mediterranean Shipping Company (MSC) and Ports of Los Angeles and Long Beach to retrofit two ocean-going vessels. However, there was a change in one of the vessel's availabilities, resulting in MSC being unable to complete one of the planned retrofits. Therefore, funds remain that can be allocated to another retrofit project with a similar scope. Chevron Shipping Company has volunteered one Tier 2 tanker vessel to retrofit contingent on U.S. EPA approval. These actions are to: 1) reallocate the remaining U.S. EPA and Ports of Los Angeles and Long Beach contributions in the amount of \$3.9 million from MSC to Chevron Shipping Company for the tanker vessel retrofit; 2) amend the existing MOU with the Ports of Los Angeles and Long Beach (San Pedro Bay Ports) to incorporate the revised project scope; 3) amend and extend the contract with MSC, upon approval from U.S. EPA and, 4) contingent upon U.S. EPA approval, execute a contract with Chevron Shipping Company for up to \$3.9 million from the Clean Shipping Technology Demonstration Special Revenue Fund (83) to retrofit a tanker vessel. For additional details, please refer to the [Webcast](#) beginning at 2:21.

Board Member Padilla-Campos asked whether the substitute vessel project would change the engine's Tier level. Dr. Hajbabaei clarified that this is a retrofit project, and the incorporated technologies, such as Selective Catalytic Reduction (SCR) and Diesel Particulate Filter (DPF), will lower the emissions but do not change the engine Tier. For additional details, please refer to the Webcast beginning at 5:14.

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

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

Noes: None

Abstain: None

Absent: Nguyen

2. Execute Contracts to Evaluate Secondary Particulate Matter Emissions from Tire Off-Gassing, and On-Road Brake and Tire Wear Emissions from Light-, Medium-, and Heavy-Duty Vehicles

Sam Cao, Program Supervisor, Technology Advancement Office, explained that brake and tire wear research has primarily focused on direct particulate emissions in laboratory simulated conditions, while gaseous organic compound emissions and emission rates from tires remains understudied. To address this, the University of California, Riverside College of Engineering - Center for Environmental Research and Technology (UCR/CE-CERT) is starting to study and quantify the amount of

secondary particulate matter (PM) emissions forming from tire off-gassing and evaluate on-road particulate and gaseous emissions from brake and tire wear from light-, medium-, and heavy-duty vehicles. These actions are to execute two contracts with UCR/CE-CERT using the Clean Fuels Program Fund (31) to evaluate: 1) secondary PM emissions from tire off-gassing in an amount not to exceed \$200,000; and 2) on-road particulate and gaseous emissions from brake and tire wear from light-, medium-, and heavy-duty vehicles in an amount not to exceed \$600,000. For additional details, please refer to the [Webcast](#) beginning at 6:50.

Mayor Lock Dawson commented that she does not have a financial interest but is required to identify for the record that she is a Board Member for the California Air Resources Board, which is involved in this item.

Councilmember McCallon commented that from a recent fleet visit they indicated increased tire wear associated with electric trucks and asked if these studies will help with tire and brake PM characterization in the current MATES study. Dr. Aaron Katzenstein, Deputy Executive Officer, Technology Advancement Office, responded that the study will help provide additional information on PM emission rates from tires, including those from electric trucks. For additional details, please refer to the [Webcast](#) beginning at 12:04.

Board Member Padilla-Campos inquired whether the study budget includes funding for students. Dr. Katzenstein responded that a portion of the funding supports students working on the project, in addition to covering the instrumentation and analytical costs required to complete the studies. For additional details, please refer to the [Webcast](#) beginning at 13:09.

Committee Chair Rodriguez commented that he was pleased to see an opportunity to address gaps in brake and tire wear research. For additional details, please refer to the [Webcast](#) beginning at 14:35.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

3. Issue Program Announcement for the AB 617 Clean Community School Initiative and Transfer Funds for the Development of the AB 617 Grant Management System

Walter Shen, Program Supervisor, Community Engagement & Air Programs Office, presented on the AB 617 Clean Community School Initiative which is an incentive-based program focusing on replacing privately-owned internal combustion school buses serving public schools and providing charging infrastructure to benefit impacted communities under AB 617. Also, to accommodate the application intake process of the program, development of an AB 617 Grant Management System will be needed. These actions are to: 1) issue, and if necessary, re-issue a Program Announcement in the amount of \$30 million to solicit applications for eligible zero-emission school bus and charging infrastructure projects and 2) transfer and appropriate up to \$67,000 for the AB 617 Grant Management System from the administrative portion of the Community Air Protection Program (Grant #G19-MCAP-03-1) Fund (77) into Information Management's FY 2025-26 and/or 2026-27 Budget, Services and Supplies and/or Capital Outlays Major Objects. For additional details, please refer to the [Webcast](#) beginning at 15:10.

Councilmember McCallon asked how the program announcement would be shared and staff outlined outreach to private fleets, school bus dealerships, Community Steering Committee meetings, social media, and the program website. In response to a question Councilmember McCallon had about infrastructure costs, Mr. Shen stated the program would cover 60% of infrastructure expenses. For additional details, please refer to the [Webcast](#) beginning at 21:18.

Mayor Lock Dawson asked if Riverside communities qualify. Mr. Shen confirmed that some communities in Riverside County are eligible. For additional details, please refer to the [Webcast](#) beginning at 22:54.

Committee Chair Rodriguez asked about deployment timing. Mr. Shen replied that zero-emission buses are expected 9-12 months after contracts are executed, depending on supply chain availability. For additional details, please refer to the [Webcast](#) beginning at 24:32.

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

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

INFORMATIONAL ITEM:**4. Presentation on the progress and outlook of Republic Services**

Jeff Brandon, Republic Services, presented on the progress and outlook of Republic Services' commercial electric vehicle fleet deployment in the South Coast Air Quality Management District. For additional details, please refer to the [Webcast](#) beginning at 27:16.

Committee Chair Rodrguez inquired about the requests from the cities they service. Mr. Brandon explained that the cities they serve are more environmentally focused and want to be sustainable. For additional details, please refer to the [Webcast](#) beginning at 32:04.

Supervisor Hagman inquired about the operational side of tire wear and the cost savings on the maintenance, specifically engine plant. Mr. Brandon replied that they have not observed any tire wear difference and that there is no after treatment maintenance for the electric trucks. For additional details, please refer to the [Webcast](#) beginning at 35:00.

Board Member Padilla-Campos inquired about employees' preference to electric trucks. Mr. Brandon replied the drivers prefer the electric trucks. For additional details, please refer to the [Webcast](#) beginning at 37:13.

Councilmember McCallon inquired about the duty cycle. Mr. Brandon replied that the trucks are scheduled to run all day without a charge, that is about 12 hours at a 80-100 mile range with about 1200 pick-ups. For additional details, please refer to the [Webcast](#) beginning at 40:08.

Mayor Lock Dawson inquired about the timeframe for purchasing the electric trash trucks. Mr. Brandon replied that they are about a year ahead. For additional details, please refer to the [Webcast](#) beginning at 41:20.

OTHER MATTERS:**5. Other Business**

There was no other business to report.

6. Public Comment Period

No public comment.

7. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, February 20, 2026, 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 – January 23, 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
Board Member Padilla-Campos South Coast AQMD Board Member

Erin Sheehy Board Consultant/Assistant (Rodriguez)
Amy Wong Board Consultant/Assistant (Padilla-Campos)

Jeff Brandon Republic Services
Todd Campbell Clean Energy
Ty Forman Public Member
Lisa Mirisola Public Member
Joe Vieyra 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
Matthew Ceja South Coast AQMD Staff
Berj Der Boghossian South Coast AQMD Staff
Scott Gallegos South Coast AQMD Staff
Carlos Gonzalez South Coast AQMD Staff
Dé Groeneveld South Coast AQMD Staff
Maryam Hajbababei South Coast AQMD Staff
Alex Han South Coast AQMD Staff
Sheri Hanizavareh South Coast AQMD Staff
Giselle Herrera South Coast AQMD Staff
Aaron Katzenstein South Coast AQMD Staff
Angela Kim South Coast AQMD Staff
Nish Krishnamurthy South Coast AQMD Staff
Grace LeBlanc South Coast AQMD Staff
Howard Lee South Coast AQMD Staff
Tom Lee South Coast AQMD Staff
Hay Lo South Coast AQMD Staff
Cristina Lopez South Coast AQMD Staff
Paul Macias South Coast AQMD Staff
Frances Maes South Coast AQMD Staff
Ian MacMillan 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
Bryant Pah	South Coast AQMD Staff
Robert Paud	South Coast AQMD Staff
Pedro Piqueras	South Coast AQMD Staff
Cynthia Ravenstein	South Coast AQMD Staff
Sarah Rees	South Coast AQMD Staff
Paul Rodriguez	South Coast AQMD Staff
Arlene Farol Saria	South Coast AQMD Staff
Nico Schulte	South Coast AQMD Staff
Paola Servas	South Coast AQMD Staff
Walter Shen	South Coast AQMD Staff
Lisa Tanaka	South Coast AQMD Staff
Fan Xu	South Coast AQMD Staff
Mei Wang	South Coast AQMD Staff
Nathan Wong	South Coast AQMD Staff