

BOARD MEETING DATE: September 5, 2025

AGENDA NO. 25

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, August 15, 2025. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Carlos Rodriguez, Chair
Technology Committee

AK:psc

Call to Order

Committee Chair Carlos Rodriguez called the meeting to order at 11:30 a.m.

Roll Call

Committee Members

Present: Mayor Pro Tem Carlos Rodriguez, Committee Chair
Supervisor Curt Hagman
Mayor Patricia Lock Dawson
Mayor Pro Tem Larry McCallon
Supervisor Janet Nguyen

Absent: Board Member Veronica Padilla-Campos

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

This item was taken out of order.

INFORMATIONAL ITEM:

6. Other Business

JT Steenkamp, Vice President, Prologis Mobility presented on how microgrids can help power data centers, logistics facilities, and clean mobility infrastructure. For additional details, please refer to the [Webcast](#) beginning at 4:00.

Supervisor Hagman asked about how long the amortization for an investment takes before it starts to pay off. Mr. Steenkamp replied that the life cycle of their technologies are 20-30 years, and the pay back periods are far shorter than that. For additional details, please refer to the [Webcast](#) beginning at 29:11.

Chair Rodriguez inquired about the coordination with other agencies for these projects to be implemented. Mr. Steenkamp replied that other agency support was critical and they would not have been able to have 10 megawatts within 12 months in the City of Los Angeles without the partnership of various levels of government. For additional details, please refer to the [Webcast](#) beginning at 30:31.

Mr. George stated he appreciated that hydrogen was placed on the same map as battery electric and encouraged the Board not to give up on hydrogen. For additional details, please refer to the [Webcast](#) beginning at 34:37.

Mr. Eder stated he was instrumental in starting the 3rd largest electric utility in the state to clean power alliance. For additional details, please refer to the [Webcast](#) beginning at 37:02.

ACTION ITEMS:

Due to time constraints, Supervisor Hagman motioned to waive presentations and approve the Action Items 1, 2, 3, 4, and 5. Discussion of these Action Items are below.

Action Items 1, 2, 3, 4, and 5 were moved by Hagman; seconded by McCallon; unanimously approved.

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

1. Approve Funds for Commercial Lawn & Garden and EV Charging Incentive Programs, and Adopt Resolution Recognizing Funds for FY 2024-25 Carl Moyer State Reserve

Since 2017, South Coast AQMD has implemented the Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program. In 2023, the program was relaunched with funding from the Carl Moyer Memorial Air Quality Standards Attainment (Carl Moyer) Program. Allocation of an additional \$5,000,000 from the Carl Moyer Program is necessary to continue the Commercial eL&G Program. Additionally, in April 2024, CARB approved allocations from the FY 2024-25 Carl Moyer “Year 27” State Reserve Program to fund eligible off-road zero-emission (ZE) projects. These actions are to: 1) allocate up to \$5,000,000 from the Carl Moyer Program SB 1107 Fund (32) (Grant#G22-MO-27) to the Commercial eL&G Program and authorize the Executive Officer to approve vouchers of up to \$5,000,000; 2) authorize the Executive Officer to approve participation of, and execute contracts with, interested manufacturers, dealers/retailers, and dismantlers who have satisfied Commercial eL&G Program eligibility requirements; 3) allocate up to \$200,000 from the Clean Fuels Fund (31) to support the Residential EV Charging Incentive Program; and 4) adopt a resolution recognizing up to \$5,239,970 in FY 2024-25 Carl Moyer State Reserve funds into Carl Moyer Program Fund (32) for eligible zero-emission off-road projects.

2. Issue RFP and Execute Contracts for Work Force Development Training for the CARE4Kids and ELECTRIC Programs

In January 2025, the Board recognized funds from the U.S. EPA Clean Heavy-Duty Vehicles Grant for use in the CARE4Kids and ELECTRIC incentive programs. Up to \$500,000 each from the CARE4Kids and ELECTRIC Programs has been designated for workforce development and training focusing on the operation and maintenance of ZEVs and related infrastructure. These actions are to: 1) issue an RFP to solicit proposals for workforce development and training services; and 2) based on the results of the RFP, authorize the Executive Officer to execute contracts with qualified proposers for workforce development and training in amounts not to exceed \$500,000 from the CARE4Kids Program and \$500,000 from the ELECTRIC Program in Fund (17).

Mayor Pro Tem McCallon inquired about who is eligible for the RFP and how entities will be notified. Aaron Katzenstein, Deputy Executive Officer, Technology Advancement Office, responded that the eligible entities for the RFP are educational institutions such as community colleges and noted that notifications would be distributed via e-blast to a list of interested parties. Mayor Pro Tem McCallon emphasized that San Bernardino City College should be a part of the notification list. Dr. Katzenstein confirmed that San Bernardino City College will be notified upon release of the RFP. For additional details, please refer to the [Webcast](#) beginning at 42:47.

3. Execute an Agreement and Transfer Funds in Support of INVEST CLEAN Program Implementation

In September 2024, the Board recognized a \$499,997,415 award from U.S. EPA to implement the INVEST CLEAN Program. In January 2025, the Board approved the execution of agreements with Alliance for Sustainable Energy, LLC, for data collection and validation for INVEST CLEAN's incentive measures, and with SCAG to implement the Last Mile Freight Program (LMFP). Following approval from U.S. EPA, the University of California, Irvine will assume the assigned tasks of the Alliance. Also, a temporary loan is necessary to implement the LMFP. These actions are to: 1) execute an agreement with the Regents of the University of California, on behalf of its Irvine Campus to conduct data collection and program performance validation in an amount not to exceed \$1,800,000 from U.S. EPA Climate Pollution Reduction Grant Special Revenue Fund (90); and 2) transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to Fund (90) to reimburse SCAG's rebates for the deployment of the last mile freight vehicles until U.S. EPA reimbursements are received into Fund (90).

Supervisor Hagman, Mayor Lock Dawson, and Mayor Pro Tem McCallon each commented that they do not have a financial interest but are required to identify for the record that they are all Regional Council Members for the Southern California Association of Governments, which is involved in this item.

4. Authorize Carl Moyer and VW Programs to Fund Eligible Truck Projects Truck Projects with Program Eligible Low NOx Engines

The Board approved Program Announcements (PAs) for the Carl Moyer Air Quality Standards Attainment Program (Carl Moyer Program) in 2022 and 2025, and Volkswagen Environmental Mitigation Trust Program (VW Program) in 2019 and 2021. These PAs solicited truck projects with 0.02 g/bhp-hr NOx-certified engines. Beginning with 2023 and newer model years, manufacturers can no longer certify engines to the 0.02 g/bhp-hr NOx level; instead, they only certify to the 0.05 g/bhp-hr NOx level. Therefore, Board authorization is needed to fund 0.05 g/bhp-hr NOx-certified engines for eligible truck projects under the Carl Moyer and VW Programs. This action is to authorize the Executive Officer to fund eligible truck projects with engines certified to the 0.05 g/bhp-hr NOx standard under the Carl Moyer and VW Programs.

Mayor Pro Tem McCallon inquired about Cummins 0.02 g/bhp-hr NOx-certified engines and why those engines are longer available. Dr. Katzenstein responded that due to more stringent emission testing requirements, Cummins made a business decision to certify to the 0.05 g/bhp-hr NOx standard. For additional details, please refer to the [Webcast](#) beginning at 43:30.

5. Approve Payments for Completed Contracts

The Board authorized the execution of contracts with Advanced Energy Machines LLC (AEM) to demonstrate battery-electric Transportation Refrigeration Units and the University of California, Davis (UC Davis) to perform the California Hydrogen Systems Analysis. The AEM and UC Davis projects were completed in 2024, but the final invoices were submitted significantly later after the contracts had expired. This action is to authorize the Executive Officer to approve final payments for the AEM and UC Davis.

Ranji George, public member, acknowledged that the University of California, Irvine will be conducting data collection for this item. Mr. George expressed the hope that data collection will include CO₂ emission reductions from battery electric vehicles, specifically noting the CO₂ levels during a charging session. For additional details, please refer to the [Webcast](#) beginning at 45:10.

OTHER MATTERS:

7. Other Business

There was no other business to report.

8. Public Comment Period

Mr. Eder stated presentations should not be waved. For additional details, please refer to the [Webcast](#) beginning at 49:40.

Mr. Gerge expressed concerns for hydrogen technology. For additional details, please refer to the [Webcast](#) beginning at 53:05.

9. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, September 19, 2025, at noon.

Adjournment

The meeting adjourned at 12:25 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – August 15, 2025

Mayor Pro Tem Carlos Rodriguez	South Coast AQMD Board Member
Supervisor Curt Hagman	South Coast AQMD Board Member
Mayor Patricia Lock Dawson	South Coast AQMD Board Member
Mayor Pro Tem Larry McCallon	South Coast AQMD Board Member
Supervisor Janet Nguyen	South Coast AQMD Board Member
Debra Mendelsohn	Board Consultant/Assistant (McCallon/Rodriguez)
Kiera Dixon	Public Member
Harvey Eder	Public Solar Power Coalition
Ranji George	Public Member
JT Steenkamp	Prologis Mobility
Debra Ashby	South Coast AQMD Staff
Lara Brown	South Coast AQMD Staff
Cindy Bustillos	South Coast AQMD Staff
Sam Cao	South Coast AQMD Staff
Penny Shaw Cedillo	South Coast AQMD Staff
Philip Crabbe	South Coast AQMD Staff
Christian Fielding	South Coast AQMD Staff
Daniel Garcia	South Coast AQMD Staff
Scott Gallegos	South Coast AQMD Staff
Carlos Gonzalez	South Coast AQMD Staff
Ping Gui	South Coast AQMD Staff
Alex Han	South Coast AQMD Staff
Sheri Hanizavareh	South Coast AQMD Staff
Anissa Heard-Johnson	South Coast AQMD Staff
Aaron Katzenstein	South Coast AQMD Staff
Brandee Keith	South Coast AQMD Staff
Angela Kim	South Coast AQMD Staff
Howard Lee	South Coast AQMD Staff
Tom Lee	South Coast AQMD Staff
Hay Lo	South Coast AQMD Staff
Ian MacMillian	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
Alisha Reyes	South Coast AQMD Staff
Nicole Silva	South Coast AQMD Staff
Danielle Soto	South Coast AQMD Staff
Yuh Jiun Tan	South Coast AQMD Staff
Brian Tomasovic	South Coast AQMD Staff
Kristina Voorhees	South Coast AQMD Staff
Mei Wang	South Coast AQMD Staff
Michelle White	South Coast AQMD Staff
Alyssa Yan	South Coast AQMD Staff