

BOARD MEETING DATE: August 7, 2026

AGENDA NO. 25

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, June 26, 2026. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Michael Cacciotti,
Acting Committee Chair
Technology Committee

AK:psc

Call to Order

Acting Committee Chair Michael Cacciotti called the meeting to order at 12:00 p.m.

Roll Call

Committee Members

Present: Chair Michael Cacciotti
Supervisor Curt Hagman
Mayor Patricia Lock Dawson
Supervisor Janet Nguyen
Board Member Veronica Padilla-Campos

Absent: Mayor Carlos Rodriguez, Committee Chair
Vice Chair Larry McCallon

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

ACTION ITEMS:

1. Approve Additional Funds for Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program

Yuh Jiun Tan, Program Supervisor, Technology Advancement Office, presented the Commercial Electric Lawn and Garden (eL&G) Equipment Incentive and Exchange Program to accelerate the transition from gasoline- or diesel-powered commercial lawn and garden equipment to zero-emission alternatives. In September 2025, the Board approved a \$5,000,000 allocation to the Program, which is nearly depleted due to high participation. Additional funds from the Carl Moyer Program are needed to continue implementation of the Commercial eL&G Program. This action is to: 1) allocate up to \$10,000,000 from the Carl Moyer Program SB 1107 Fund (32) to the Commercial eL&G Program; 2) authorize the Executive Officer to approve vouchers of up to \$10,000,000; and 3) authorize the Executive Officer to reassign vouchers between funding years, as needed, in order to expeditiously meet program funding liquidation requirements. For additional details, please refer to the [Webcast](#) beginning at 2:55.

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

Ayes: Cacciotti, Hagman, Lock Dawson, Nguyen, Padilla-Campos

Noes: None

Abstain: None

Absent: McCallon, Rodriguez

(Mayor Lock Dawson joined the meeting during the discussion for this item.)

Board Member Padilla-Campos expressed support for the program, noting that Pacoima Beautiful recently purchased electric lawn and garden equipment and has been very satisfied with their performance. For additional details, please refer to the [Webcast](#) beginning at 5:00.

Chair Cacciotti expressed support for the program and shared feedback from local landscaping professionals indicating a need for additional batteries. For additional details, please refer to the [Webcast](#) beginning at 6:07.

Adrian Martinez, Earthjustice, expressed support for the program and the continued advancement of zero-emission technology. For additional details, please refer to the [Webcast](#) beginning at 8:55.

Ranji George, member of the public, raised concerns about the operating range of batteries and recommended exploring hydrogen-powered lawn and garden equipment as a potential alternative. For additional details, please refer to the [Webcast](#) beginning at 9:58.

Dan Mabe, AGZA, expressed support for the program and highlighted the need for additional resources to provide workforce training, and raised concerns regarding the safety of utilizing hydrogen. For additional details, please refer to the [Webcast](#) beginning at 11:52.

Harvey Eder, Public Solar Power Coalition, expressed support for the program and encouraged consideration of incorporating public solar-powered charging systems into the program. For additional details, please refer to the [Webcast](#) beginning at 13:58.

2. Execute Contract to Demonstrate Bi-Directional Charging and Grid Resiliency Through Mobile Battery Energy Storage Systems

Sam Cao, Planning & Rules Manager, Technology Advancement Office, presented on mobile battery energy storage systems which can provide flexible zero-emission power to reduce peak demand, provide power to areas with no grid power, or serve as temporary power solutions. This action is to execute a contract with the University of California, Riverside College of Engineering - Center for Environmental Research and Technology (UCR/CE-CERT) to demonstrate bi-directional charging and grid resiliency using a mobile battery energy storage system, in an amount not to exceed \$300,000 from the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 16:08.

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

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

Mayor Lock Dawson expressed support for program. For additional details, please refer to the [Webcast](#) beginning at 19:17.

Mr. Eder expressed concerns about changeable batteries. For additional details, please refer to the [Webcast](#) beginning at 20:22.

3. Execute Contract to Demonstrate Modular Hydrogen Vehicle Refueling Station

Maryam Hajbabaei, Program Supervisor, Technology Advancement Office, presented on how hydrogen refueling technology continues to need improvements to reduce boil-off gas losses, increase hydrogen dispensing capacity, and improve reliability. Clear Skies Hydrogen Corporation (CSH2) will develop and demonstrate a modular, deployable hydrogen vehicle refueling station at SunLine Transit Agency using an advanced cryogenic pump technology. This action is to execute a contract

with CSH2, in an amount not to exceed \$700,000 from the Clean Fuels Program Fund (31). For additional details, please refer to the [Webcast](#) beginning at 21:33.

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

Ayes: Cacciotti, Hagman, Lock Dawson, Nguyen, Padilla-Campos

Noes: None

Abstain: None

Absent: McCallon, Rodriguez

Patrick Callahan, CSH2, expressed his appreciation to South Coast AQMD for considering their project and to SunLine Transit Agency for hosting the demonstration site to help CSH2 bring this technology to market. For additional details, please refer to the [Webcast](#) beginning at 24:15.

4. Recognize Funds for Clean Cars 4 All, Enhanced Fleet Modernization, and Carl Moyer State Reserve Programs, Reimburse General Fund and Transfer Funds for Replace Your Ride Portal Enhancements

Victor Juan, Program Supervisor, Technology Advancement Office, presented on the implementation of CARB's Enhanced Fleet Modernization Program (EFMP) and Clean Cars 4 All (CC4A), branded as Replace Your Ride (RYR) in the South Coast Air Basin. For FY 2025-2026, CARB allocated \$17,900,000 to continue implementation of RYR. Also, in May 2026, CARB approved an allocation of \$5,200,000 for FY 2025-26 Carl Moyer State Reserve "Year 28" to be used for the RYR program or other Moyer eligible zero-emission projects. Due to high demand for the program, additional funds are needed to continue implementing this program. These actions are to: 1) Recognize, upon receipt, up to \$1,400,000 from EFMP grant G25-EFMP-01, \$16,516,484 from CC4A grant G25-CC4A-01, and \$5,244,081 from FY 2025-26 Carl Moyer Y28 State Reserve grant into (HEROS II) Special Revenue Fund (56); 2) Reimburse the General Fund up to \$4,168,806 from the HEROS II Special Revenue Fund (56) for administrative costs necessary to implement EFMP and CC4A; 3) Approve RYR vouchers and other alternative mobility options until all available funds are exhausted; and 4) Transfer and appropriate up to \$100,000 from the administrative portion of the HEROS II Special Revenue Fund (56) into Information Management's FY 2026-27, Services and Supplies and/or Capital Outlays Major Objects, Budget for RYR Portal enhancements. For additional details, please refer to the [Webcast](#) beginning at 25:15.

Mayor Patricia Lock Dawson stated 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.

Sheri Hanizavareh, Principal Deputy District Counsel, Legal, stated South Coast AQMD received an amendment from CARB regarding the State Reserve Grant which increased our administrative portion from 12.5 percent to 20 percent, which impacts recommended action item #3 of the board letter. For additional details, please refer to the [Webcast](#) beginning at 25:24.

Board Member Padilla-Campos inquired about how the newly recognized funds will work. For additional details, please refer to the [Webcast](#) beginning at 28:21.

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

Ayes: Cacciotti, Hagman, Lock Dawson, Nguyen, Padilla-Campos

Noes: None

Abstain: None

Absent: McCallon, Rodriguez

INFORMATIONAL ITEM:

Presentation from LNK Energies on the developed patented on-board hydrogen release system that extracts hydrogen from a safe, non-flammable liquid carrier (benzyltoluene) to power fuel cell trucks. The system can deliver diesel-equivalent refueling convenience, 600-mile range, and zero tailpipe emissions.

Sayandeep Biswas, CEO and Co-Founder, LNK Energies presented on a commercial demonstration project in the LA drayage market.

Aaron Katzenstein, Deputy Executive Officer, Technology Advancement Office, expressed interest in potentially working with LNK through a future RFP for hydrogen related projects. For additional details, please refer to the [Webcast](#) beginning at 40:03.

Board Member Padilla-Campos inquired about any port partners involved in the demonstration. For additional details, please refer to the [Webcast](#) beginning at 40:44.

Mr. George asked about hydrogen purity and potential contaminants such as sulfur that might arise from this process. For additional details, please refer to the [Webcast](#) beginning at 41:57.

OTHER MATTERS:

5. Other Business

No other business.

6. Public Comment Period

No public comment.

7. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, August 21, 2026, at 12:00 p.m.

Adjournment

The meeting adjourned at 12:45 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – June 26, 2026

Councilmember Michael Cacciotti	South Coast AQMD Board Member
Supervisor Curt Hagman	South Coast AQMD Board Member
Mayor Patricia Lock Dawson	South Coast AQMD Board Member
Supervisor Janet Nguyen	South Coast AQMD Board Member
Board Member Veronica Padilla-Campos	South Coast AQMD Board Member
Suzette Swallow	Board Consultant/Assistant (McCallon)
Patrick Callahan	Clear Skies Hydrogen
Lady Cooper	Shell
Harvey Eder	Public Solar Power Coalition
Ranji George	Public Member
Ivor John	Public Member
Vladimir Karimov	PAPE MH
Adriano Martinez	Earth Justice
Matt Miyasato	Public Member
Edna Parada	SunLine Transit Agency
David Park	Public Member
Jacquelyn Zamora	Public Member
Debra Ashby	South Coast AQMD Staff
Luisa Bautista	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
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
Victor Juan	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
Joseph Lopet	South Coast AQMD Staff
Brisa Lopez	South Coast AQMD Staff

Terrence Mann South Coast AQMD Staff
Krystle Martinez South Coast AQMD Staff
Ian MacMillan South Coast AQMD Staff
Ghislain Muberwa South Coast AQMD Staff
Wayne Natri South Coast AQMD Staff
Vasileios Papapostolou South Coast AQMD Staff
Cynthia Ravenstein South Coast AQMD Staff
Lisa Tanaka South Coast AQMD Staff
Alejandra Vega South Coast AQMD Staff
Mei Wang South Coast AQMD Staff
Fan Xu South Coast AQMD Staff