

BOARD MEETING DATE: June 6, 2025

AGENDA NO. 24

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, May 16, 2025. The following is a summary of the meeting.

RECOMMENDED ACTION:  
Receive and file.

Carlos Rodriguez, Chair  
Technology Committee

AK:kr

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### **Committee Members**

Present: Supervisor Curt Hagman  
Mayor Pro Tem Larry McCallon  
Supervisor Janet Nguyen  
Board Member Veronica Padilla-Campos  
Mayor Pro Tem Carlos Rodriguez, Committee Chair

Absent: Mayor Patricia Lock Dawson

### **Call to Order**

Committee Chair Carlos Rodriguez called the meeting to order at 10:33 p.m.

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

### **Roll Call**

### **ACTION ITEMS:**

#### **1. Issue RFP for Battery Electric Switcher Locomotives for CPRG INVEST CLEAN Program**

Alyssa Yan, Program Supervisor, Technology Advancement Office, presented on the INVEST CLEAN Program and its four measures. This action is to issue and, if necessary, re-issue an RFP to solicit project proposals for the Battery Electric

Switcher Locomotive measure under INVEST CLEAN. A total of up to \$190,800,000 will be available for the Battery Electric Switcher Locomotive RFP. For additional details, please refer to the [Webcast](#) beginning at 4:48.

Supervisor Nguyen inquired about any bids or incentives that may be allocated for Orange County due to rails and if there are exclusions. Executive Officer Wayne Nastri responded that the program targets rail manufacturers. For additional details, please refer to the [Webcast](#) beginning at 9:12.

Supervisor Hagman inquired about funding hydrogen fuel cell locomotives like Redland Pasture Rails. Aaron Katzenstein, Deputy Executive Officer, Technology Advancement Office, responded that staff excluded hydrogen fuel cell technologies to limit competition with the state's DOE hydrogen program. For additional details, please refer to the [Webcast](#) beginning at 10:17.

Board Member Padilla-Campos requested clarification on the definition of a switcher locomotive. Dr. Katzenstein clarified that switcher locomotives operate within and between railyards and are smaller than the line-haul locomotives that travel outside of the Basin. For additional details, please refer to the [Webcast](#) beginning at 11:07.

Harvey Eder, Public Solar Power Coalition, expressed that there should be more focus on solar and thermal technologies. For additional details, please refer to the [Webcast](#) beginning at 13:18.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

**2. Adopt Resolution and Accept Terms and Conditions, Recognize Revenue, Execute Agreements to Deploy Battery Electric Trucks and Chargers, and Demonstrate a Fast-Charging Capable Truck, Transfer Funds, and Reimburse General Fund**

Fan Xu, Program Supervisor, Technology Advancement Office, presented on the Strategic Pathways for Extended Electric Drayage (SPEED) project to deploy Volvo Class 8 battery electric trucks and truck chargers in Southern California, develop and demonstrate a high-power charging-capable truck, collect truck and charger operational data, and develop and implement a workforce training program for battery electric trucks and charging equipment under CARB's and CEC's joint Advanced Technology Demonstration and Pilot Projects program. Also, on May 3,

2024, the Governing Board recognized funding for a project to electrify Balboa Island Ferries and install supporting charging infrastructure under ATDPP. For additional details, please refer to the [Webcast](#) beginning at 15:41.

Mayor Pro Tem McCallon commented that he does not have a financial interest but is required to identify for the record that he is the Chair of the Mobile Source Air Pollution Reduction Committee, which is involved in this item.

Supervisor Hagman commented that he does not have a financial interest but is required to identify for the record that he is a member of the Mobile Source Air Pollution Reduction Committee, which is involved in this item.

Supervisor Hagman raised concerns about committing to specific technologies or manufacturers too early in the planning and grant process, recognizing the rapidly evolving nature of zero-emission trucks and charging infrastructure. Dr. Katzenstein responded that this project began years ago and the RFP aimed to be project-ready with partners and that the selected technologies were part of forming a viable proposal. Dr. Katzenstein mentioned that upcoming funding opportunities will be open to multiple truck manufacturers. For additional details, please refer to the [Webcast](#) beginning at 25:08.

Board Member Padilla-Campos expressed general support and asked for more clarity on specific workforce development goals. Dr. Katzenstein explained that technician training will continue from earlier programs and will include megawatt charging system education. He agreed on clearly listing such goals in reports and will ensure metrics will be included in the contract to track the outcome of the training programs. For additional details, please refer to the [Webcast](#) beginning at 28:15.

Mr. Eder emphasized the importance about solar energy and zero-emission ecosystems. For additional details, please refer to the [Webcast](#) beginning at 30:20.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

**3. Modify Contracts and SEP Agreements for Installation and/or Maintenance of Air Filtration Systems in Schools and Residences and Execute New and Modify Existing School Site Access Agreements**

This item authorizes no-cost modifications to existing contracts, Supplemental Environmental Project (SEP) agreements, and school site access agreements to complete the installation and/or maintenance of air filtration systems in schools and residences. For additional details, please refer to the [Webcast](#) beginning at 33:06.

Supervisor Hagman suggested to approve the item without staff presentation. For additional details, please refer to the [Webcast](#) beginning at 33:24

Moved by Hagman; seconded by McCallon; unanimously approved.

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

#### **OTHER MATTERS:**

##### **4. Other Business**

Board Member Padilla-Campos asked for an update on the Replace Your Ride Program at the next Technology Committee Meeting that includes a comparison of the program with other air districts. For additional details, please refer to the [Webcast](#) beginning at 35:15.

##### **5. Public Comment Period**

Mr. Eder expressed his disapproval of removing the solar federal tax credits. For additional details, please refer to the [Webcast](#) beginning at 36:39.

##### **6. Next Meeting Date**

The next regular Technology Committee meeting is scheduled for Friday, June 20, 2025, at noon.

#### **Adjournment**

The meeting adjourned at 11:07 a.m.

#### **Attachment**

Attendance Record

## **ATTACHMENT**

### **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING**

#### **Attendance Record – May 16, 2025**

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
Mayor Pro Tem Carlos Rodriguez .....	South Coast AQMD Board Member
Supervisor Janet Nguyen .....	South Coast AQMD Board Member
Charles Hahn .....	Board Consultant/Assistant (Nguyen)
Samuel Kang .....	Board Consultant/Assistant (Cacciotti)
Fred Minassian .....	Board Consultant/Assistant (Padilla-Campos)
Kiera Dixon .....	Public Member
Harvey Eder .....	Public Solar Power Coalition
Warisa Niizawa .....	LACSD
Catherine Smith .....	Public Member
Debra Ashby .....	South Coast AQMD Staff
Lara Brown .....	South Coast AQMD Staff
Cindy Bustillos .....	South Coast AQMD Staff
Penny Shaw Cedillo .....	South Coast AQMD Staff
Philip Crabbe .....	South Coast AQMD Staff
Scott Gallegos .....	South Coast AQMD Staff
Kelly Gamino .....	South Coast AQMD Staff
Sindy Enriquez .....	South Coast AQMD Staff
Sheri Hanizavareh .....	South Coast AQMD Staff
Anissa “Cessa” Heard-Johnson .....	South Coast AQMD Staff
Eugene Kang .....	South Coast AQMD Staff
Roupen Karakouzian .....	South Coast AQMD Staff
Aaron Katzenstein .....	South Coast AQMD Staff
Angela Kim .....	South Coast AQMD Staff
Howard Lee .....	South Coast AQMD Staff
Hay Lo .....	South Coast AQMD Staff
Ian MacMillan .....	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
Marissa Poon .....	South Coast AQMD Staff
Sarah Rees .....	South Coast AQMD Staff

Kristin Remy .....	South Coast AQMD Staff
Danielle Soto .....	South Coast AQMD Staff
Lisa Tanaka O'Malley .....	South Coast AQMD Staff
Veronica Tejada .....	South Coast AQMD Staff
Alexis Thrower .....	South Coast AQMD Staff
Alejandra Vega .....	South Coast AQMD Staff
Donna Vernon .....	South Coast AQMD Staff
Mei Wang .....	South Coast AQMD Staff
Michelle White .....	South Coast AQMD Staff
Fan Xu .....	South Coast AQMD Staff
Alyssa Yan .....	South Coast AQMD Staff