

BOARD MEETING DATE: January 10, 2025

AGENDA NO. 28

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, December 20, 2024. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Carlos Rodriguez, Chair
Technology Committee

AK:kr

Committee Members

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

Call to Order

Committee Chair Carlos Rodriguez called the meeting to order at 9:00 a.m.

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

ACTION ITEMS:

1. Recognize Revenue for Implementation of Programs for Replacement of Class 6 and 7 Vehicles and School Buses with Zero-Emission Vehicles and Reimburse General Fund (*Motion Requested*)

Krystle Martinez, Program Supervisor/Technology Advancement Office, presented on two grants: Empowering Local Environmental Change Through Replacing Internal Combustion with Battery Electric Class 6 or 7 Vehicles (ELECTRIC) and Clean Air Rides for Kids (CARE4Kids). Ms. Martinez explained that the ELECTRIC program will replace diesel or gasoline-powered Class 6 and 7 freight delivery

vehicles with zero-emission vehicles and the CARE4Kids program will replace internal combustion Class 6 and 7 school buses with zero-emission buses. These actions are to: 1) recognize revenue, upon receipt, up to \$33,898,522 from U.S. EPA for the ELECTRIC Program into Fund (17); 2) recognize revenue, upon receipt, up to \$24,842,632 from U.S. EPA for the CARE4Kids Program into Fund (17); and 3) reimburse General Fund up to \$6,061,504 from Fund (17) for the administrative costs to run the programs. For additional details, please refer to the [Webcast](#) beginning at 5:49.

Councilmember McCallon asked how many school districts responded to the proposal and the response from school districts in San Bernardino County. Ms. Martinez responded that a notice was sent out to school districts and of the eight school districts that responded, one school district is in San Bernardino County. Aaron Katzenstein, Deputy Executive Officer/Technology Advancement Office, further clarified that the Redlands Unified School District responded and did not know why other school districts within San Bernardino County did not respond. For additional details, please refer to the [Webcast](#) beginning at 8:38.

Committee Chair Rodriguez asked if there is a general timeline for when the school buses and vehicles will be deployed and asked for updates on deployment. Ms. Martinez responded within two years for the vehicle and school bus programs, and staff confirmed to provide updates on deployment. For additional details, please refer to the [Webcast](#) beginning at 12:52

Harvey Eder, Public Solar Power Coalition, expressed concern for the CEQA requirement pertaining to political economics, equity disbursement, and the necessity of solar for low income. For additional details, please refer to the [Webcast](#) beginning at 10:17.

Moved by McCallon; seconded by Hagman; unanimously approved.

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

2. Execute Contracts and Transfer Funds under Climate Pollution Reduction Grant Infrastructure, Vehicles, and Equipment Strategy for Climate, Equity, Air Quality, and National Competitiveness Program and Issue RFP for Third-Party Facilitator(s) For Infrastructure, Vehicles, and Equipment Strategy for Climate, Equity, Air Quality, and National Competitiveness and Empowering Local Environmental Change Through Replacing Internal Combustion with Battery Electric Class 6 or 7 Vehicles

Mei Wang, Assistant Deputy Executive Officer/Technology Advancement Office, provided an update on implementation of South Coast AQMD's Infrastructure, Vehicle, and Equipment Strategy for Climate, Equity, Air Quality, and National Competitiveness (INVEST CLEAN), which is a grant from U.S. EPA as part of the Climate Pollution Reduction Grant (CPRG). These actions are to: 1) execute contracts with the Los Angeles County Electrical Educational and Training Trust Fund, Alliance for Sustainable Energy LLC, and SCAG in the amounts not to exceed \$5,000,000, \$1,800,000, and \$51,500,000, respectively, to conduct a workforce development program, validate program's emission reduction performance, and implement the Last Mile Freight Program; 2) issue RFP #2025-11 to solicit Third-Party Facilitator(s) for Community Benefit Programs and authorize the Executive Officer to execute and/or amend contracts; 3) transfer up to \$20,000 as temporary loan from Legislative, Public Affairs and Media FY 2024-25 Professional and Special Services Fund (01) into EPA CPRG Special Revenue Fund (90) to cover the Third-Party Facilitator's initial costs for the INVEST CLEAN work; 4) transfer up to \$100,000 as a temporary loan from Clean Fuels Fund (31) to Fund (90) for Alliance for Sustainable Energy's initial program setup costs; and 5) Appropriate \$ 150,000 from the General Fund Undesignated (Unassigned) Fund Balance into Information Management's FY 2024-25 Budget, Services and Supplies and/or Capital Outlays Major Objects for INVEST CLEAN online project application system modification. For additional details, please refer to the [Webcast](#) beginning at 14:56.

Councilmember McCallon, Supervisor Hagman, Mayor Lock Dawson and Supervisor Wagner commented that they do not have a financial interest but are required to identify for the record that Councilmember McCallon, Supervisor Hagman, and Mayor Lock Dawson are Regional Council Members for the Southern California Association of Governments and Supervisor Wagner is a member of the Transportation Committee, Regional Council, Executive and Administrative Committee, Legislative/Communications & Membership Committee, and Joint Policy Committee for Southern California Association of Governments, which is involved in this item.

Supervisor Hagman commented that many other governmental agencies are working on workforce training, including colleges, and recommended that South Coast AQMD coordinate efforts with other agencies so efforts are not duplicated.

Dr. Katzenstein responded that International Brotherhood of Electrical Workers

(IBEW) covers a wide regional area and already has an apprenticeship program; the task here is focused on the electrical charging and enabling the scale-up. Staff will have IBEW reach out to the existing programs. For additional details, please refer to the [Webcast](#) beginning at 23:06.

Mr. Eder recommended increasing the use of renewable energy sources.

Committee Chair Rodriguez expressed interest in obtaining updates on workforce training, community engagement, and collaboration. Lisa Tanaka, Deputy Executive Officer/Legislative, Public Affairs and Media, provided information about hosting office hours and contacting Metropolitan Statistical Area, cities, and interested parties. Committee Chair Rodriguez suggested, and staff agreed to following up with all the parties involved in the CPRG INVEST CLEAN grant and updating the committee to ensure transparency. For additional details, please refer to the [Webcast](#) beginning at 27:19.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

3. Transfer and Appropriate Funds, Recognize Revenue, and Execute Contract for EV Charger Installation Services at South Coast AQMD Headquarters

Vasileios Papapostolou, Planning and Rules Manager/Technology Advancement Office, presented on the replacement of charging infrastructure at South Coast AQMD Headquarters, including a CALSTART award of \$70,000 to South Coast AQMD to replace 28 EV chargers under the Communities in Charge grant. These actions are to: 1) transfer and appropriate \$723,248 from the Clean Fuels Program Fund (31) into the Technology Advancement Office's FY 2024-25 Budget; 2) recognize revenue, upon receipt, up to \$70,000 awarded from CALSTART into the Clean Fuels Program Fund (31); and 3) execute a contract with GreenWealth Energy Solutions, Inc. for EV hardware and software installation and maintenance at South Coast AQMD headquarters for up to \$723,248 from Technology Advancement Office's FY 2024-25 Budget. For additional details, please refer to the [Webcast](#) beginning at 32:18

Councilmember McCallon asked which area will be worked on first to install the EV chargers. Dr. Katzenstein responded that the CC8 Parking Area will be prioritized first because there are fewer chargers in that area, then will progress towards the larger installation areas. For additional details, please refer to the [Webcast](#) beginning at 36:33

Mayor Lock Dawson stated that charging technologies are changing rapidly and asked what the strategy is to be adaptive and if the installed technology will become quickly outdated. Dr. Katzenstein stated that the charging plugs are now standardized in the industry, such as the J1772 and NACS/Tesla plugs, and these new installations will include both types. Dr. Katzenstein also stated this installation will include more advanced software management capabilities, allowing staff to better monitor and change different parameters, if needed. For additional details, please refer to the [Webcast](#) beginning at 37:16.

Committee Chair Rodriguez asked about warranty information for these chargers. Dr. Papapostolou replied typically 5-7 years. Dr. Katzenstein explained that these chargers are for light-duty vehicles and the most difficult part of the installation is providing power to the chargers. He said once the power is provided, the charger infrastructure can be replaced as needed. Dr. Katzenstein also mentioned the 7-year service agreement will cover the anticipated 5-year lifespan of these new chargers. For additional details, please refer to the [Webcast](#) beginning at 39:06.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

Noes: None

Abstain: None

Absent: None

4. Recognize Funds, Execute or Amend Contracts for Zero-Emission Heavy-Duty Truck Replacement Projects and Reimburse General Fund for Administrative Costs

Tom Lee, Planning and Rules Manager/Technology Advancement Office, presented on the U.S. EPA Diesel Emissions Reduction Act grant to replace up to 22 heavy-duty Class 8 diesel trucks with new zero-emission trucks. The project will target Class 8 diesel truck fleets that operate around the San Pedro Bay Ports. These actions are to: 1) recognize \$4,500,000 from EPA DERA into the Clean Fuels Program Fund (31) for the replacement of Class 8 diesel trucks with ZE trucks; 2) execute or amend contracts for ZE truck replacement projects using future project lists from the Carl Moyer Program solicitations; 3) reimburse the General Fund (01) up to \$100,000 from the Clean Fuels Program Fund (31) for administrative costs to implement the DERA projects; and 4) reimburse the General Fund (01) using FY 2019 TAG funds for deployment of fuel cell transit buses at SunLine Transit Agency from the Advanced Technology, Outreach and Education Fund (17) up to \$156,601 for administrative costs. For additional details, please refer to the [Webcast](#) beginning at 42:06. No questions or comments from Committee members.

Moved by Hagman; seconded by McCallon; unanimously approved.

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

OTHER MATTERS:

1. Other Business

Chair Rodriguez thanked Mark Taylor for his years of service as a staff consultant. For additional details, please refer to the [Webcast](#) beginning at 48:48.

Executive Officer Wayne Nastri announced that Ruby Laity, Principal Deputy District Counsel, will be leaving South Coast AQMD for a new position in San Diego and thanked her for her 16 years of service.

2. Public Comment Period

No public comment

3. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, January 24, 2025, at noon.

Adjournment

The meeting adjourned at 9:50 a.m.

Attachment

Attendance Record

ATTACHMENT

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
TECHNOLOGY COMMITTEE MEETING
Attendance Record – December 20, 2024**

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 Veronica Padilla-Campos	South Coast AQMD Board Member
Mayor Pro Tem Carlos Rodriguez	South Coast AQMD Board Member
Supervisor Donald Wagner	South Coast AQMD Board Member
Bill Glazier	Board Consultant (Cacciotti)
Debra Mendelsohn	Board Consultant (McCallon)
Fred Minassian	Board Consultant (Padilla-Campos)
Andy Silva	Board Consultant (Lock Dawson)
Mark Taylor	Board Consultant (Rodriguez)
Harvey Eder	Public Solar Power Coalition
Moses Huerta	Public Member
Charles Kim	Public Member
Lisa Mirisola	Public Member
Beth Quiambao	Public Member
Debra Ashby	South Coast AQMD Staff
Berj Der Boghossian	South Coast AQMD Staff
Isabel Builles	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 III	South Coast AQMD Staff
Christian Felding	South Coast AQMD Staff
Scott Gallegos	South Coast AQMD Staff
Sheri Hanizavareh	South Coast AQMD Staff
Sujata Jain	South Coast AQMD Staff
Justin Joe	South Coast AQMD Staff
Roupen Kakouzian	South Coast AQMD Staff
Aaron Katzenstein	South Coast AQMD Staff
Angela Kim	South Coast AQMD Staff
Ruby Laity	South Coast AQMD Staff
Alicia Lizarraga	South Coast AQMD Staff
Howard Lee	South Coast AQMD Staff
Tom Lee	South Coast AQMD Staff
Hay Lo	South Coast AQMD Staff
Joseph Lopat	South Coast AQMD Staff

Jason LowSouth Coast AQMD Staff
Ian MacMillan South Coast AQMD Staff
Krystle MartinezSouth Coast AQMD Staff
Ron Moskowitz South Coast AQMD Staff
Ghislain Muberwa South Coast AQMD Staff
Susan NakamuraSouth Coast AQMD Staff
Wayne NastriSouth Coast AQMD Staff
Lisa Tanaka South Coast AQMD Staff
Vasileios PapapostolouSouth Coast AQMD Staff
Anish PathakSouth Coast AQMD Staff
Robert Paud South Coast AQMD Staff
Marissa Poon South Coast AQMD Staff
Cynthia RavensteinSouth Coast AQMD Staff
Kristin Remy South Coast AQMD Staff
Brian Roberts South Coast AQMD Staff
Danielle Soto South Coast AQMD Staff
Carolina VargasSouth Coast AQMD Staff
Kristina VoorheesSouth Coast AQMD Staff
Mei Wang South Coast AQMD Staff
Fan Xu South Coast AQMD Staff