

BOARD MEETING DATE: December 3, 2021

AGENDA NO. 27

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a hybrid meeting on Friday, November 19, 2021. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Larry McCallon, Acting Chair
Technology Committee

MMM:psc

Committee Members

Present: Supervisor Lisa Bartlett
Mayor Pro Tem Larry McCallon
Mayor Pro Tem Carlos Rodriguez

Absent: Council Member Joe Buscaino/Chair
Board Member Gideon Kracov
Vice Mayor Rex Richardson

Call to Order

Acting Chair McCallon called the meeting to order at 12:00 p.m.

ACTION ITEMS:

1. Recognize 2021 U.S. EPA Targeted Airshed Grant Program Awards for Zero-Emission Vehicles and Equipment, Issue RFPs, Transfer Funds, Execute Contracts to Demonstrate Zero-Emission Vehicles and Equipment, and Reimburse General Fund

South Coast AQMD has been awarded up to \$14,339,960 from U.S. EPA 2021 Targeted Airshed Grant Program to demonstrate a zero-emission freight line-haul locomotive, long-range Class 8 fuel cell trucks, deploy zero-emission school buses, and replace commercial lawn and garden equipment. These actions are to: 1) recognize revenue, upon receipt, of up to \$14,339,960 from U.S. EPA into the

Advanced Technology, Outreach and Education Fund (17); 2) transfer up to \$2,169,169 from the Air Quality Investment Fund (27) into the Advanced Technology, Outreach and Education Fund (17) for South Coast AQMD cost-share; 3) contingent upon U.S. EPA's final awards, execute three contracts in a total amount not to exceed \$12,749,000 from the Advanced Technology, Outreach, Outreach and Education Fund (17); 4) issue RFPs and execute resulting contracts for the Commercial Lawn and Garden Equipment Incentive and Exchange Program in an amount not to exceed \$3,020,000 from the Advanced Technology, Outreach and Education Fund (17); and 5) reimburse the general fund for administrative costs up to \$590,960 from the Advanced Technology, Outreach and Education Fund (17).

Paul Dyson, member of the public, stated the proposed project can only be used in combination with other diesel locomotives. He added that this project is a repeat of a demonstration project funded by CARB and San Joaquin Valley APCD (SJVAPCD). He expressed concern with the expenditures and recommended not funding the proposed project. Staff clarified that this is a cost-share project mostly funded by EPA and partners and strict project oversight will occur. Staff added that locomotives represent one of the largest emission categories and it is necessary to engage major manufacturers and Class 1 railroads.

Michael Cleveland, BNSF Railway, noted that the project funded by CARB and SJVAPCD is using battery-electric locomotive with diesel locomotives, but the proposed battery-electric locomotive in this project is designed to be a diesel replacement that is a stand-alone, fully battery-electric locomotive.

Moved by Bartlett; seconded by Rodriguez; unanimously approved.

Ayes: Bartlett, McCallon, Rodriguez

Noes: None

Absent: Buscaino, Kracov, Richardson

2. Approve Awards for Lower-Emission School Bus Program and Transfer Funds for Development of Lower Emission School Bus Grant Management System

In October 2020, the Board issued a Program Announcement to solicit applications for the replacement of pre-2001 model year diesel school buses with new alternative fuel or zero emission buses. This action is to approve awards to replace pre-2001 diesel school buses with new, near- zero or zero emission school buses and infrastructure in an amount not to exceed \$47 million from the Carl Moyer Program AB 923 Fund (80). This action is to also appropriate up to \$81,000 from the administrative portion of the Carl Moyer Program AB 923 Fund (80) into Information Management's FY 2021-22 Budget, Professional and Special Services and/or Capital Outlays Major Objects and reimburse the General Fund (01) using

administrative funds for enhancement for the Lower Emission School Bus Program grant management system.

Mayor Pro Tem Rodriguez commented that he does not have a financial interest or conflict of interest but is required to identify for the record that he is a Committee Member for the Placentia-Yorba Linda Unified School District, which is involved in this item.

Supervisor Bartlett expressed support for the item and was pleased to see 53 new school buses awarded for Orange County.

Mayor Pro Tem Rodriguez also expressed support for the item and is pleased to see that the Placentia-Yorba Linda school district is part of the awards.

Harvey Eder, Public Solar Power Coalition, provided public comment to suggest further involvement with local low-income communities and expressed the need for tax credits.

Moved by Rodriguez; seconded by Bartlett; unanimously approved.

Ayes: Bartlett, McCallon, Rodriguez

Noes: None

Absent: Buscaino, Kracov, Richardson

INFORMATIONAL ITEM:

3. Clean Fuels Program Draft 2022 Plan Update

The Clean Fuels Plan Update is submitted every year with the Clean Fuels Annual Report as required by legislation. As part of that process, staff provides the Clean Fuels Program Draft Plan Update to the Technology Committee to solicit input on the proposed priority technology areas and potential projects for the upcoming year before requesting final Board approval for the Plan Update in early spring. Staff proposes continued support for a wide portfolio of technologies with particular emphasis on heavy-duty truck technologies with zero and near-zero emissions for goods movement applications as well as a continued focus on preparing for hydrogen vehicle deployments.

Mayor Pro Tem McCallon commented that he had no objections to the current distributions and agreed with the infrastructure and deployment phase.

Mr. Eder inquired about Volkswagen funding going into the Clean Fuels Program projects.

OTHER MATTERS:

4. Other Business

There was no other business to report.

5. Public Comment Period

Mr. Eder expressed concerns regarding climate change and the need to address this issue.

6. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, December 17, 2021 at noon.

Adjournment

The meeting adjourned at 12:40 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING Attendance Record – November 19, 2021

Supervisor Lisa Bartlett.....South Coast AQMD Board Member
Mayor Pro Tem Larry McCallonSouth Coast AQMD Board Member
Mayor Pro Tem Carlos RodriguezSouth Coast AQMD Board Member

James DinwiddieBoard Consultant (Bartlett)
Jacob HaikBoard Consultant (Buscaino)
Matt HolderBoard Consultant (Rodriguez)
Debra MendelsohnBoard Consultant (Rutherford)
Mark Taylor.....Board Consultant (Rutherford)

Mark AbramowitzPublic Member
Erin Berge.....SoCalGas
Michael Cleveland.....BNSF
Richard Chudoba.....Public Member
Paul DysonPublic Member
Harvey Eder.....Public Solar Power Coalition
Gary Eelman.....Public Member
David McGivneySoCalGas
Fred MinassianPublic Member
Eddie PhillipsBNSF
Ian Stewart.....Public Member
Mabelle WongsanguanPublic Member

Penny Shaw CedilloSouth Coast AQMD Staff
Philip Crabbe.....South Coast AQMD Staff
Marjorie Eaton.....South Coast AQMD Staff
Liliana GarciaSouth Coast AQMD Staff
Bayron GilchristSouth Coast AQMD Staff
Seungbum HaSouth Coast AQMD Staff
Mark HenningerSouth Coast AQMD Staff
Joyce IledanSouth Coast AQMD Staff
Jeff Inabinet.....South Coast AQMD Staff
Anissa Heard-Johnson.....South Coast AQMD Staff
Aaron KatzensteinSouth Coast AQMD Staff
Jason Low.....South Coast AQMD Staff
Ron MoskowitzSouth Coast AQMD Staff

Matt Miyasato.....	South Coast AQMD Staff
Wayne Nastri.....	South Coast AQMD Staff
Robert Paud	South Coast AQMD Staff
Walter Shen	South Coast AQMD Staff
Yuh Jiun Tan	South Coast AQMD Staff
Lisa Tanaka	South Coast AQMD Staff
Veera Tyagi	South Coast AQMD Staff
Alex Vega.....	South Coast AQMD Staff
Mei Wang	South Coast AQMD Staff
Jill Whynot	South Coast AQMD Staff