

BOARD MEETING DATE: December 4, 2020

AGENDA NO. 4

PROPOSAL: Recognize Funds, Execute and Amend Agreements for Installation and Maintenance of Air Filtration Systems, and Reimburse General Fund

SYNOPSIS: As part of the Community Air Protection Program (CAPP) incentive funds, \$6,352,650 was approved to implement school air filtration projects in AB 617 communities. CARB has also requested South Coast AQMD administer two Supplemental Environmental Projects (SEPs) to install and maintain air filtration systems at schools and residences in Environmental Justice communities. These actions are to: 1) recognize up to \$17,600 and \$9,250 from CARB for two SEPs to install and maintain air filtration systems at schools and residences, and reimburse administrative costs, into the Air Filtration Fund (75); 2) execute contracts with IQAir North America to install air filtration systems in an amount up to \$6,352,650 from the Community Air Protection SB 856 Fund (77) and up to \$17,600 and \$9,250 from the Air Filtration Fund (75); 3) execute agreements with CARB and local school districts; 4) amend contracts to purchase additional filters using unspent administrative funds; and 5) reimburse the General Fund for administrative costs up to \$1,343 for the CARB SEPs.

COMMITTEE: Technology, November 20, 2020; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize up to \$17,600 and \$9,250 from CARB for two Supplemental Environmental Projects (SEPs) to install and maintain air filtration systems at schools and residences, and reimburse administrative costs, into the Air Filtration Fund (75);
2. Authorize the Chairman to execute the following contracts with IQAir North America:
 - a. Up to \$6,352,650 to install air filtration systems at schools in AB 617 communities using FY 2018-19 funds (G18-MCAP-06) in the Community Air Protection SB 856 Fund (77); and
 - b. Up to \$17,600 and \$9,250 to install air filtration systems at schools and residences from the Air Filtration Fund (75).

3. Authorize the Executive Officer to execute agreements with CARB to implement SEPs for installation and maintenance of air filtration systems at schools and residences, and execute or amend agreements with local school districts;
4. Authorize the Chairman to amend contracts, as needed, to purchase additional filters using unspent administrative funds in the Air Filtration Fund (75); and
5. Reimburse the General Fund for administrative costs up to \$1,343 from the Air Filtration Fund (75) for the CARB SEPs.

Wayne Natri
Executive Officer

MMM:NB:JI:MH

Background

In December 2019, the Board recognized up to \$86 million in FY 2018-19 Community Air Protection Program (CAPP) incentive funds from CARB. In June 2020, based on a South Coast AQMD proposal, CARB approved \$6,352,650 of the FY 2018-19 CAPP incentive funds to install air filtration systems at schools in AB 617 communities. As a part of initial efforts to implement Community Emissions Reduction Plans (CERPs), the Community Steering Committees (CSC) worked with South Coast AQMD staff and determined criteria to prioritize schools for installing air filtration systems in each AB 617 community. This resulted in a preliminary list of schools identified for air filtration systems.

CARB has also executed consent decrees with Long Beach Container Terminal and Vortech Engineering Inc. and has requested South Coast AQMD to act as the SEP administrator to install and maintain air filtration systems in schools and residences in environmental justice (EJ) communities. CARB will execute agreements with the South Coast AQMD to implement these two SEPs.

To date, South Coast AQMD has funded the installation and maintenance of air filtration systems at 92 schools and community centers in the South Coast Air Basin. These air filtration systems have been provided and installed by IQAir North America (IQAir). IQAir was selected through two competitive bid processes in 2011 and 2013 for air filtration projects. Staff performed a comprehensive review to ensure no new technology providers have come to market. IQAir is the only qualified manufacturer of high-performance panel filters and stand-alone units meeting the performance standards identified in South Coast AQMD's 2009 air filtration pilot study. Furthermore, the University of California, Riverside College of Engineering/Center for Environmental Research and Technology conducted a national review of air filtration technologies in 2010 and verified IQAir systems had an average removal efficiency of greater than 85 percent for ultrafine PM, black carbon, and PM 2.5 and a noise level below 45 decibels for stand-alone units.

Proposal

Staff proposes to use the \$6,352,650 allocated CAPP incentive funds, and execute a contract with IQAir, to install air filtration systems at schools prioritized by the CSC in AB 617 communities. In addition, staff proposes to execute a contact with IQAir North America to implement two CARB SEPs as listed below:

Company	SEP Type	Amount
Long Beach Container Terminal	School	\$17,600
Vortech Engineering Inc.	Residential	\$9,250

CARB, along with Long Beach Container Terminal, LAUSD, and other local school districts, will identify one school in an EJ community to receive air filtration systems through this SEP.

The CARB residential SEP funding will be used for the San Bernardino residential air filtration pilot study approved by the Board in April 2020. As a part of this pilot study, standalone air filtration units with an electricity stipend will be provided to the residents who participate in the study.

The air filtration systems at the schools in AB 617 communities are expected to be installed by February 2022 and the maintenance of these systems will continue until August 2027. For the residential air filtration project, the installation is expected to occur in December 2021 with an additional five years of maintenance which ends in December 2026.

The proposed schedules for implementing the air filtration projects using CAPP incentives and CARB SEPs funds for schools and residences are as follow:

Date	Event
Schools Air Filtration (CAPP & CARB SEP)	
Dec. 2020	Board approval
March 2021	Anticipated execution of contracts
June 2021	School selection, site assessment
Feb. 2022	Installation at schools
Feb. 2022-2027	Maintenance (varies by schools)
Aug. 2022-2027	Post-installation, annual, and final reports
Residential Air Filtration	
Dec. 2020	Board approval
March 2021	Anticipated execution of contracts
March 2020- June 2021	Community selection and study design, site assessment, and execute contracts with residents
Dec. 2021	Installation at residence
Dec. 2021- 2026	Maintenance
Dec. 2021- 2026	Post installation, annual, and final reports

Staff is proposing the following actions: 1) recognize up to \$17,600 and \$9,250 from CARB for two SEPs to install and maintain air filtration systems at schools and residences, and to reimburse administrative costs of up to \$1,343 into the Air Filtration Fund (75); 2) authorize the Chairman to execute contracts with IQAir North America for up to \$6,352,650 to install air filtration systems at schools in AB 617 communities from the Community Air Protection SB 856 Fund (77), and for up to \$17,600 and \$9,250 to install air filtration systems at schools and residences from the Air Filtration Fund (75); 3) authorize the Executive Officer to execute agreements with CARB to implement SEPs to install air filtration systems at schools and residences, and execute or amend agreements with local school districts; 4) authorize the Chairman to amend contracts to purchase additional filters using unspent administrative costs; and 5) reimburse the General Fund from the Air Filtration Fund (75), for administrative costs up to \$1,343 from the monies obtained from CARB for the SEP administration.

Sole Source Justification

Section VIII. B. 2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. This request for a sole source award is made under provision B.2.c (1): The desired services are available from only the sole source based upon the proposed contractor or contractor team's unique experience and capabilities. IQAir remains the only manufacturer of high-performance panel filters and stand-alone units identified by South Coast AQMD and CARB staff that meet the performance standards required to complete the work.

Benefits to South Coast AQMD

This project will reduce children's exposure to criteria and toxic pollutants and ultrafine PM. Health studies have determined that fine and ultrafine PM, including diesel PM, present the greatest air pollution health risk to sensitive receptors in EJ communities identified in the SEP agreement and CERPs.

Resource Impacts

South Coast AQMD will receive up to \$26,850 from CARB to administer and implement school and residential air filtration projects in accordance with the SEPs, which will be recognized into the Air Filtration Fund (75). The new contracts with IQAir North America in the amount not to exceed \$6,352,650 and \$26,850 will be executed from the Community Air Protection Fund (77) and Air Filtration Fund (75), respectively, to install air filtration systems. The administrative costs will not exceed \$1,343 for administration of the two SEPs and will be obtained from the monies received from CARB.