

BOARD MEETING DATE: November 5, 2021

AGENDA NO. 11

PROPOSAL: Appropriate Funds, Execute and/or Amend Contracts, and Issue Solicitations and Purchase Orders for AB 617 Implementation

SYNOPSIS: In May and June 2021, the Board recognized up to \$21,880,000 for the most recent allocation of the AB 617 implementation program funding. This action is to appropriate up to \$2,555,420 into the FY 2021-22 and/or FY 2022-23 Budget, execute and/or amend contracts, and issue solicitations and purchase orders for AB 617 implementation.

COMMITTEE: Administrative, October 8, 2021; Recommended for Approval (Revised after committee review)

RECOMMENDED ACTIONS:

1. Appropriate up to \$2,555,420 into the FY 2021-22 and/or FY 2022-23 Budget for AB 617 expenditures from the General Fund Undesignated (Unassigned) Fund Balance (AB 617 funds) as set forth in Tables 1-3; and
2. Authorize the Executive Officer to execute and/or amend contracts, and issue solicitations and purchase orders for AB 617 implementation in accordance with South Coast AQMD Procurement Policy and Procedure for items listed in Tables 1-3.

Wayne Natri
Executive Officer

JW:SJ

Background

South Coast AQMD's portion of the statewide funding for the most recent allocation of the AB 617 program (Implementation Funds) is \$21,880,000. In May 2021, the Board recognized revenue of \$19,324,580 and in June 2021 the Board recognized the remaining \$2,555,420.

Two legislative changes in 2017 resulted in significant increases in the responsibilities and workload for South Coast AQMD. AB 617 requires major efforts in the following areas: accelerated BARCT rule making, community engagement, community air monitoring, community emissions reduction plans, and statewide emission reporting consistency. The intent of the bill, which was a companion bill to the extension of the state greenhouse gas cap and trade program, is to improve air quality in disadvantaged communities with high cumulative exposures. The bill requires the development and implementation of air monitoring and emission reduction plans in specific designated communities. For stationary sources that are in the state greenhouse gas cap and trade program, the bill requires the air districts to adopt an expedited schedule to implement BARCT controls. The bill also has additional requirements for CARB to designate communities for the development of the community plans, improve consistency and accessibility of emissions data, and implement a statewide BARCT and BACT clearinghouse. AB 109 provided funding for implementing AB 617, and South Coast AQMD has received \$21,880,000 as its portion of state funding for the most recent allocation.

The AB 617 statute specifies that each year, CARB may designate communities for the development of air monitoring and/or emission reduction plans. In 2018, CARB designated three communities in the South Coast AQMD. In 2019, two more South Coast AQMD communities were added and, in 2021, one additional community was included as part of this program. Staff is working very closely with CARB staff to develop and implement the community plans for all six communities. These community-specific efforts are very resource intensive, especially because there are very tight statutory deadlines associated with these plans. In addition, AB 617 also requires that BARCT be implemented by December 31, 2023 for sources in the state greenhouse gas program. Intensive rulemaking efforts have already been underway to implement these requirements and many rules have already been adopted. Other areas that require significant work from South Coast AQMD include coordinating with CARB to support their BARCT and BACT clearinghouse, and implementing CARB's recent statewide emission reporting regulation, which expands the requirements for annual emissions reporting.

After this Board letter was presented at the October 8, 2021 Administrative Committee meeting, it was determined that unbudgeted capital outlay funding identified in Recommended Action 3 for a high pressure ion chromatography instrument was required for a different project. Accordingly the following changes are now reflected in this Board letter: In Recommended Action 1, the appropriation amount was increased by \$42,997 to fund a high pressure ion chromatography instrument from AB 617 funds instead of from unbudgeted capital assets; Recommended Action 3, to fund the high pressure ion chromatography instrument from unbudgeted capital outlays was removed; in the Proposal section, a description of the high pressure ion chromatography instrument was added and the last paragraph that described the funding source for the

high pressure ion chromatography instrument was deleted; in the Sole Source Justifications section, Thermo Electron North America LLC, the high pressure ion chromatography instrument vendor was added and; Table 1 now includes the high pressure ion chromatography instrument.

Proposal

Staff is seeking Board approval to appropriate funds, purchase capital outlays and execute and/or amend contracts as listed in Table 1 and Table 2 and procure related services and supplies as listed in Table 3 to support work required under AB 617. These items are described below:

Annual Emission Reporting

CARB's Criteria and Toxics Reporting Regulation (CTR) will significantly expand the number of facilities that report emissions through the South Coast AQMD Annual Emission Reporting (AER) program. Software upgrades are needed to accommodate the increased number of facilities utilizing the AER Reporting Tool, as well as to include the ability to report information required by the CTR, such as additional toxics compounds and release location data.

Monitoring Trailer Refurbishment and Upgrade (Martin Containers)

This request is to upgrade an existing monitoring container including the installation of roof safety rails, other safety features, and a metal chassis to cost effectively repurpose this asset as a mobile trailer. The monitoring container to be refurbished and upgraded was fabricated by and purchased from Martin Containers Inc.

High Pressure Ion Chromatography Instrument

Purchase an ion chromatograph instrument to analyze PM10 samples for anions as part of speciation analysis. The instrument is required to be compatible with Thermo Electron Chromeleon software and must be purchased from Thermo Electron North America LLC.

Teledyne T700 Dilution Calibrator

Purchase Teledyne API's gas dilution systems used for supporting quality control processes for air monitors. This type of gas dilution system is currently deployed at other air monitoring sites, providing compatibility and comparability between all stations.

Agilaire 8872B Site Node Data Logger

Purchase Site Node Data Loggers are used to collect data from air monitors in the field and prepare that data for transmission to the centralized data server. Agilaire, LLC is the only manufacturer who produces data loggers that work with the Agilaire AirVision air quality data collection software used for the AB 617 air monitoring data management.

Aerodyne Research Fast Response CAPS NO2 Monitor

Aerodyne Research Inc.'s Cavity Attenuated Phase Shift (CAPS) NO2 monitor will replace an older CAPS NO2 unit that is no longer available. This is the only NO2 instrument on the market that satisfies the low power requirements of its mobile monitoring platform application.

CERP Implementation – Develop Guidelines for Land Use Agencies

Develop land use guidelines (e.g., building and property features) that could reduce air pollution impacts from common industrial uses in the East Los Angeles, Boyle Heights, West Commerce Community.

CERP Implementation – Public Health Outreach Actions

The AB 617 Community Emissions Reductions Plans (CERPs) include actions to collaborate with public health stakeholders on community outreach (e.g., outreach to schools for asthma related programs). Staff will conduct AB 617 public health and education stakeholder engagement for this element of the CERP.

CERP Implementation – Consultation and Development Services

Consultation and development services for emissions reduction targets, metrics, emission reduction strategies and timelines for CERP development are needed.

CERP Implementation: Green Space Projects

This item is to identify grant opportunities and develop grant proposals for AB 617 CERP actions to increase tree plantings and green spaces (e.g., establishing school gardens, installing vegetative buffers near freeways, and greenways).

Cloud Data Storage

A robust cloud-based infrastructure is necessary for the ingestion, storage and analysis of air quality data required under AB 617. A cloud-based solution is preferred over a physical server to help validate, analyze and store the large volume of data generated under this program.

Calibration of Meteorological Devices

A contractor to conduct is needed to conduct calibration of meteorological devices in AB 617 communities to characterize local wind patterns and better understand transport of air pollutants within these communities

Sensor Network Calibration Procedure

Aeroqual, Ltd. in collaboration with AQ-SPEC has developed remote MOMent MAtching (MOMA) techniques to calibrate sensor networks using regulatory monitoring data. Aeroqual Ltd. is the only vendor that has the experience and resources necessary to further develop the MOMA calibration methods that will be used to

improve the reliability of the air quality data from sensors deployed in AB 617 communities.

Repairs and Software Update for Leosphere Wind Profiling LIDAR

A wind profiling LIDAR is used to conduct vertical wind profile measurements. This information is used in conjunction with mobile monitoring measurements for estimating fugitive emissions of VOCs from industrial facilities. The current LIDAR system is damaged and needs repair. Vaisala, Inc. is the only company manufacturing the Leosphere Wind Profiling LIDAR, and capable of providing necessary factory repairs and maintenance and software upgrades for the LIDAR system.

Services & Supplies – Legislative and Public Affairs/Media Office

Outreach, stakeholder coordination, and logistical support are required for each Community Steering Committee (CSC) to facilitate an open, transparent process and increase and maintain engagement in the program. These activities also support the development and implementation of the CERPS and Community Air Monitoring Plans (CAMP). Outreach-related services and materials include translation of documents and simultaneous interpretation, meeting/workshop facilitators, newsletters and other documents, stipends for CSC members, and other equipment/materials and services as needed.

Services & Supplies – Science & Technology Advancement

Utilities, maintenance of equipment, lab supplies, communications, small tools, and equipment are required to operate and maintain multiple air monitoring stations at existing and new AB 617 communities to satisfy the requirements of the Community Air Monitoring Plans (CAMPs) which include: baseline measurements to characterize local air quality conditions; mobile survey monitoring to identify potential hotspot of air pollution; additional fixed monitoring near specific air quality priorities identified by the community; sensor deployment to complement existing air monitoring activities in specific areas and to educate community members on the use and application of this technology.

Sole Source Justifications

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified: Sole source award request for Martin Containers, Inc., Aerodyne Research, Inc. and Aeroqual Ltd. are made under section VIII.B.2.c (1): The unique experience and capabilities of the proposed contractor; Agilaire, LLC and Vaisala are made under section VIII.B.2.c (2): The project involves the use of proprietary technology; and Teledyne API and Thermo Electron North America, LLC is made under VIII.B.2.d (6): Projects requiring compatibility with existing specialized equipment.

Benefits to South Coast AQMD

The contracts, equipment, and related services and supplies will help support South Coast AQMD efforts to fulfill the legislative directives of AB 617, which will result in benefits to environmental justice communities and to the entire region.

Resource Impacts

South Coast AQMD has received \$21,880,000 under award G20-CAPP-31 from CARB's Air Protection Program as its portion of the statewide funding for implementation of the fourth year of the AB 617 program. This funding will provide resources to implement South Coast AQMD's AB 617 program for the fourth year as proposed.

Attachments (Tables):

1. FY 2021-22 and/or FY 2022-23 Proposed Capital Outlay/Intangible Asset Expenditures for AB 617
2. FY 2021-22 and/or FY 2022-23 Proposed Contracts/Contract Amendments for AB 617
3. FY 2021-22 and/or FY 2022-23 Proposed Other Services and Supplies Expenditures for AB 617

Table 1
FY 2021-22 and/or FY 2022-23 Proposed Capital Outlay/Intangible Asset Expenditures
for AB 617 (Capital Outlays Major Object)

Description	Org Unit	Estimated Amount	Contracting Method
AER Reporting	PRDAS	\$275,000	IM Pre-approved Contractor
Monitoring Trailer Refurbishment and Upgrade (Martin Containers)	STA	30,000	Sole Source
High Pressure Ion Chromatography Instrument (Qty 1)	STA	42,997	Sole Source
Teledyne T700 Dilution Calibrator (Qty 1)	STA	20,000	Sole Source
Agilaire 8872B SiteNode Data Logger (Qty 3)	STA	42,000	Sole Source
Aerodyne Research Fast Response CAPS NO2 Monitor (Qty 1)	STA	32,000	Sole Source
TOTAL		\$441,997	

Note: Expenditures may be appropriated in the Services & Supplies Major Object as warranted.

Table 2
FY 2021-22 and/or FY 2022-23 Proposed Contracts/Contract Amendments for AB 617
(Services and Supplies Major Object)

Contractor	Description	Org Unit	Estimated Amount	Contracting Method
TBD	CERP Implementation: Develop Guidelines for Land Use Agencies	PRDAS	\$100,000	RFP
TBD	CERP Implementation: Public Health Outreach Actions	PRDAS	75,000	RFP
TBD	CERP Implementation: Consultation and Development Services for Emissions Reduction Targets, Metrics, Emission Reduction Strategies and Timelines	PRDAS	150,000	RFP
TBD	CERP Implementation: Green Space Projects	PRDAS	64,000	RFP
TBD	Cloud Data Storage	STA	250,000	Solicitation to Prequalified Vendors
TBD	Calibration of Met Devices	STA	50,000	RFP
Aeroqual Ltd.	Sensor Network Calibration Procedure	STA	60,000	Sole Source
Vaisala, Inc.	Repairs and Software Update for Leosphere Wind Profiling LIDAR	STA	60,000	Sole Source
TOTAL			\$809,000	

Note: Expenditures may be appropriated in the Capital Outlays Major Object as warranted.

Table 3
FY 2021-22 and/or FY 2022-23 Proposed Other Services and Supplies
Expenditures for AB 617 (Services and Supplies Major Object)

Description	Org Unit	Account	Estimated Amount
Includes: document translation services, interpretation services, facilitator, outreach materials, stipends, etc.	LPAM	Various	\$657,625
Includes: rents, utilities, maintenance of equipment, lab supplies, communications, small tools, and equipment, etc.	STA	Various	646,798
Total			\$1,304,423