

BOARD MEETING DATE: June 2, 2023

AGENDA NO. 3

PROPOSAL: Recognize Revenue, Appropriate and Transfer Funds for Air Monitoring Programs, Issue Solicitations and Purchase Orders for Laboratory Equipment and One Vehicle

SYNOPSIS: South Coast AQMD is expected to receive up to \$1,028,060 from U.S. EPA's Section 103 Grant for the PM2.5 and NATTS Programs; and \$2,238,000 from the U.S. Government for the Enhanced Particulate Monitoring Program. These actions are to recognize revenue and appropriate funds for the PM2.5, NATTS and Enhanced Particulate Monitoring Programs, transfer up to \$350,000 between Major Objects in Monitoring and Analysis' FY 2023-24 Budget to realign expenditures for the Enhanced Particulate Monitoring Program and issue solicitations and purchase orders for Laboratory equipment and one vehicle.

COMMITTEE: Administrative, May 12, 2023; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize revenue in the General Fund up to \$3,266,060 and appropriate funds up to \$904,789 upon receipt into the FYs 2022-23 and/or 2023-24 Budgets as set forth in Attachment 1 and further detailed in Attachments 2, 3, 4 and 5;
2. Transfer up to \$350,000 between Monitoring and Analysis' (MAD's) FY 2023-24 Budget, Salaries and Employee Benefits Major Object (Org 46), and Services & Supplies Major Object (Org 47), Temporary Agency Account to realign expenditures, as needed, for the FY 2023-24 Enhanced Particulate Monitoring Program;
3. Authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue sole source purchase orders for the following items as listed in Table 1:
 - a. One EBAC DD900 Dehumidifier not to exceed \$19,000;
 - b. One DRI-2015 Carbon Analyzer not to exceed \$126,000; and
 - c. One Agilent SPS 4 Autosampler not to exceed \$11,000; and

4. Authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue a purchase order, based on a solicitation process, "Prior Bid, Last Price" or cooperative agreement for one vehicle as listed in Table 2.

Wayne Nastri
Executive Officer

JCL:AP:RMB:ld:ev

Background

PM2.5 Program

Since 1998, U.S. EPA has provided funds under Section 103 for a comprehensive PM2.5 Air Monitoring Program. To date, there are 19 ambient monitoring stations in the South Coast Air Basin (Basin) operating 22 Federal Reference Method (FRM) PM2.5 monitors under U.S. EPA funding and 20 Federal Equivalent Method (FEM/Non-FEM) PM2.5 continuous monitors. In addition, U.S. EPA has supported the expansion of the network to collect ongoing PM2.5 mass and chemical speciation at several sites within the Basin. The chemical speciation of fine particulate matter supports the characterization of PM2.5 sources, air quality conditions and health impacts. South Coast AQMD is expected to receive up to \$734,956 from U.S. EPA for the annually funded PM2.5 Program.

NATTS Program

There are currently 188 hazardous air pollutants (HAPs) or air toxics regulated under the Clean Air Act that are associated with a wide variety of adverse health effects including cancer and neurological effects. The NATTS Program was developed to fulfill the need for long-term national HAP monitoring data. In 2007, U.S. EPA expanded the NATTS Program and awarded Section 103 funds to conduct monitoring for toxic air contaminants at two existing monitoring sites, Central Los Angeles and Rubidoux. The air toxics data serves as a continuum between past and future air toxic measurement programs, such as MATES, and allows for more accurate evaluation of toxic trends on a regional basis. South Coast AQMD is expected to receive up to \$273,794 from U.S. EPA for the annually funded NATTS Program.

Enhanced Particulate Monitoring Program

South Coast AQMD has been providing enhanced particulate monitoring support as part of a national monitoring program since 2003. Sample collection began in February 2003 and will continue for the foreseeable future. South Coast AQMD is expected to receive up to \$2,238,000 from the U.S. Government for the annually funded Enhanced Particulate Monitoring Program.

Proposal

The federal revenue to be recognized and FYs 2022-23 and/or 2023-24 appropriations are summarized in Attachment 1 and further described in Attachments 2, 3, 4 and 5.

PM2.5 Program (FYs 2022-23 and/or 2023-24 Remaining FY 2022-23 Balance)

U.S. EPA provided additional federal fiscal year 2022 Section 103 Grant funding in an amount of \$19,310 for the PM2.5 Program. This action is to recognize the additional revenue of \$19,310 into the FYs 2022-23 and/or FY 2023-24 Budgets and appropriate \$19,310 into MAD's FYs 2022-23 and/or 2023-24 Budgets as set forth in Attachment 2.

PM2.5 Program (FYs 2022-23 and/or 2023-24)

U.S. EPA is expected to provide Section 103 Grant funding in an amount up to \$734,956 for the continuation of the PM2.5 Program through March 31, 2024. Revenue for this grant in the amount of \$461,000 for Salaries and Benefits has already been included in the budget. This action is to recognize the remaining revenue up to \$273,956 into the FYs 2022-23 and/or FY 2023-24 Budgets and appropriate up to \$273,956 into MAD's FYs 2022-23 and/or 2023-24 Budgets as set forth in Attachment 3.

NATTS Program (FY 2023-24)

U.S. EPA is expected to provide Section 103 Grant funding in an amount up to \$273,794 to continue the NATTS Program for the period from July 1, 2023, to June 30, 2024. Revenue for this grant in the amount of \$176,761 has already been included in the FY 2023-24 Budget. This action is to recognize, upon receipt, the remaining revenue up to \$97,033 and appropriate up to \$97,033 into MAD's FY 2023-24 Budget, as set forth in Attachment 4.

Enhanced Particulate Monitoring Program (FYs 2022-23 and/or 2023-24)

South Coast AQMD is expected to receive funding from the U.S. Government for the Ongoing Enhanced Particulate Monitoring Program through May 31, 2024, in an amount up to \$2,238,000. This action is to recognize revenue up to \$514,490 into the FYs 2022-23 and/or 2023-24 Budgets (Salaries, Benefits, and indirect costs were already included in the FY 2022-23 and/or 2023-24 Budget) and appropriate up to \$500,594 into MAD's FYs 2022-23 and/or 2023-24 Budget, Services & Supplies and Capital Outlays Major Objects, as set forth in Attachment 5.

Proposed Purchases through Sole Source Purchase Orders

EBAC DD900 Dehumidifier

The current EBAC DD700 dehumidification unit for the PM2.5 humidity and temperature-controlled room in the laboratory is not operating within U.S. EPA specifications during humid weather conditions. Replacing the DD700 with the higher capacity DD900 dehumidifier will maintain the humidity and temperature-controlled room within U.S. EPA specifications for the PM2.5 FRM program. The estimated cost

of a dehumidifier is \$19,000 (see Table 1). The purchase will be made through a sole-source purchase process followed by issuance of a purchase order.

DRI-2015 Carbon Analyzer

Carbon analysis is required under the U.S. EPA Chemical Speciation Network. The existing carbon analyzers are approximately 20 years old and no longer supported by the manufacturer. Replacing one of these instruments with the newer model will allow for continued sample analysis with a manufacturer-supported instrument. The estimated cost of a carbon analyzer is \$126,000 (see Table 1). The purchase will be made through a sole-source purchase process followed by issuance of a purchase order.

Agilent SPS 4 Autosampler

Metals analysis is required under the U.S. EPA NATTS program. The existing autosampler used for this analysis is approximately 15 years old and in need of replacement. Replacing this unit will mitigate recurring issues that have delayed analysis and ensure sample hold time requirements are met. The estimated cost of an ICP-MS Auto Sampler is \$11,000 (see Table 1). The purchase will be made through a sole-source purchase process followed by issuance of a purchase order.

Proposed Purchases through a Solicitation Process, “Prior Bid, Last Price” or Cooperative Agreement

Vehicle

At the outset of the Enhanced Particulate Monitoring Program over 16 years ago, several dedicated vehicles were purchased to meet the mileage intensive needs of the program. Several of these original and replacement vehicles have been scheduled to be placed in surplus due to the prohibitive cost to repair. The U.S. Department of Homeland Security, which is the funding agency for this program, concurs that replacing one of these vehicles is appropriate. Staff proposes to purchase one zero emission vehicle which will require additional funding. Staff will return to the Board to purchase a zero emission vehicle if additional funds can be secured, and the vehicle can be procured before April 1, 2024. If a zero emission vehicle cannot be procured before April 1, 2024, staff proposes to purchase the cleanest vehicle available (ULEV, BEV or PHEV) that can meet operational needs at an estimated cost of up to \$45,000 (see Table 2). The vehicle will be selected through a solicitation process or Cooperative Purchasing Agreement. Low emission vehicles are available from vendors through cooperative purchasing under the State of California, Department of General Services, Procurement Division, and Alternative Fueled Vehicles Contract 1-22-23-23A through I (see Table 2).

Sole Source Justification

Sole Source Justification Section VIII.B.3 of South Coast AQMD’s Procurement Policy and Procedure identifies four major provisions under which a sole source award funded in whole or in part with federal funds, may be justified. Specifically, this request for

sole source award is made under provision VIII.B.3.a. the item is available only from a single source. The EBAC DD900 Dehumidifier is part of a larger environmental control system that has been specifically configured for this style dehumidifier, and EBAC is the sole manufacturer of this unit. The DRI-2015 Carbon Analyzer is the only instrument that uses the same analytical method as legacy instrumentation, providing long-term comparability within the South Coast AQMD dataset, and Magee Scientific/Aerosol USA is the sole manufacturer of this instrument and distributes their product exclusively through Sonoma Technology. The Agilent SPS 4 Autosampler is designed to work specifically with the existing Agilent ICP-MS instrument. This autosampler is only available for purchase through Agilent Technologies.

Resource Impacts

U.S. EPA Section 103 Grant funding will support the continuation of the PM2.5 and NATTS Monitoring Programs, including equipment and services and supplies necessary to meet the objectives of the PM2.5 Monitoring Program.

U.S. Government funding will fund the Enhanced Particulate Monitoring Program.

**Table 1
Proposed Purchase through Sole Source Purchase Order**

Description	Qty	Funding Source	Estimated Amount
EBAC DD9900 Dehumidifier	1	PM2.5 FY 2022-23 and/or 2023-24 (Remaining FY 2022-23 Balance)	\$19,000 ¹
DRI-2015 Carbon Analyzer	1	PM2.5 FY 2022-23 and/or 2023-24	\$126,000
Agilent SPS 4 Autosampler	1	NATTS FY 2023-24	\$11,000
Total			\$156,000

¹A portion of this purchase, \$10,000, is funded through the U.S. EPA FY22 PM2.5 program grant, this request authorizes an additional \$9,000 from the FY22 PM2.5 program grant remaining balance for a total cost of \$19,000 due to cost increase.

Table 2
Proposed Purchase through an RFQ Process, “Prior Bid, Last Price”
or Cooperative Agreement Purchase Order

Description	Qty	Funding Source	Estimated Amount
Vehicle	1	DHS FY 2022-23 and/or 2023-24	\$45,000
Total			\$45,000

Attachments:

1. Proposed Federal Revenues and Expenditures for FYs 2022-23 and/or 2023-24
2. Proposed PM2.5 Expenditures for FYs 2022-23 and/or 2023-24 (Remaining FY 2022-23 Balance)
3. Proposed PM2.5 Expenditures for FYs 2022-23 and/or 2023-24
4. Proposed NATTS Expenditures for FY 2023-24
5. Proposed Enhanced Particulate Monitoring Expenditures for FYs 2022-23 and/or 2023-24

Attachment 1

Proposed Federal Revenues and Expenditures for FYs 2022-23, and/or 2023-24

Federal Fiscal Year	Funding Agency	Program Name	Proposed Revenues	Proposed Expenditures*	Detailed Appropriations
FY22	EPA Section 103	PM2.5 Program	\$19,310	\$19,310	Attachment 2
FY23	EPA Section 103	PM2.5 Program	\$734,956	\$273,956	Attachment 3
FY23	EPA Section 103	NATTS	\$273,794	\$97,033	Attachment 4
FY23	U.S. Govt.	Enhanced Particulate Monitoring	\$2,238,000	\$514,490	Attachment 5
			\$3,266,060	\$904,789	

*The difference between the proposed revenue and expenditure amounts is due to Salaries, Benefits, and indirect costs already included in the FYs 2022-23 and 2023-24 Budgets.

Attachment 2

**Proposed PM2.5 Expenditures for FYs 2022-23 and/or 2023-24
(Remaining FY 2022-23 Balance)**

Account Description	Account Number	Program Code	Estimated Expenditures*
Services & Supplies Major Object:			
Maintenance of Equipment	67600	47500	\$10,310
Total Services & Supplies Major Object:			\$10,310
Capital Outlay Major Object:			
EBAC DD9900 Dehumidifier	77000	47500	\$9,000
Total Capital Outlay Major Object:			\$9,000
Total Appropriations			\$19,310

*Funds not expended by June 30, 2023, will be carried over to FY 2023-24

Attachment 3

Proposed PM2.5 Expenditures for FYs 2022-23 and/or 2023-24

Account Description	Account Number	Program Code	Estimated Expenditures*
Services & Supplies Major Object:			
Rents & Leases Structure	67300	47500	\$3,000
Maintenance of Equipment	67600	47500	63,511
Building Maintenance Operation	67650	47500	1,000
Travel	67800	47500	5,000
Laboratory Supplies	68050	47500	62,500
Office Expense	68100	47500	2,945
Small Tools, Instruments, Equipment	68300	47500	10,000
Total Services & Supplies Major Object:			\$147,956
Capital Outlay Major Object:			
Carbon Analyzer	77000	47500	126,000
Total Capital Outlay Major Object:			\$126,000
Total Appropriations			\$273,956

Note: Salaries and Benefits are already included in the FYs 2022-23 and 2023-24 Budgets.

*Funds not expended by June 30, 2023, will be carried over to FY 2023-24

Attachment 4

Proposed NATTS Expenditures for FYs 2023-24

Account Description	Account Number	Program Code	Estimated Expenditures
Services & Supplies Major Object:			
Professional and Specialized Services	67450	47468	\$10,000
Travel	67800	47468	6,000
Laboratory Supplies	68050	47468	44,033
Office Expense	68100	47468	1,000
Small Tools, Instruments, Equipment	68300	47468	25,000
Total Services & Supplies Major Object:			\$86,033
Capital Outlay Major Object:			
Agilent SPS 4 Autosampler	77000	47468	\$11,000
Total Capital Outlay Major Object:			\$11,000
Total Appropriations			\$97,033

Note: Salaries and Benefits are already included in the FYs 2023-24 Budget.

Attachment 5

**Proposed Enhanced Particulate Monitoring Expenditures for
FYs 2022-23 and/or FY 2023-24**

Account Description	Account Number	Program Code	Estimated Expenditures*
Salaries & Employee Benefits Major Object:			
Overtime	52000	44505	\$41,000
Total Salaries & Employee Benefits Major Object:			\$41,000
Services & Supplies Major Object:			
Professional and Specialized Services	67450	47505	\$70,000
Temporary Agency Services	67460	47505	239,277
Maintenance of Equipment	67600	47505	1,000
Building Maintenance Operation	67650	47505	400
Auto Mileage	67700	47505	108,613
Travel	67800	47500	6,000
Clothing and Safety Equipment	68000	47505	2,000
Office Expense	68100	47505	200
Small Tools, Instruments, Equipment	68300	47505	1,000
Total Services & Supplies Major Object:			\$428,490
Capital Outlay Major Object:			
Vehicle (1)	77000	47505	45,000
Total Capital Outlay Major Object:			\$45,000
Total Appropriations			\$514,490

Note: Salaries, Benefits, and Indirect Costs (excluding overtime) are included in the FY 2022-23 and/or 2023-24 Budget.

*Funds not expended by June 30, 2023, will be carried over to FY 2023-24.