

BOARD MEETING DATE: December 4, 2020

AGENDA NO. 6

**PROPOSAL:** Recognize Revenue and Appropriate and Transfer Funds, Issue Solicitations and Purchase Orders and Amend Contract for Air Monitoring

**SYNOPSIS:** South Coast AQMD is expected to receive supplemental grant funds up to \$350,000 from the U.S. Government for the Enhanced Particulate Monitoring Program and up to \$794,261 from U.S. EPA for the FY 2021 (29th Year) PAMS Program. These actions are to recognize revenue and appropriate funds when they become available in Science & Technology Advancement's FY 2020-21 and FY 2021-22 budgets for the Enhanced Particulate Monitoring Program and the PAMS Program, transfer up to \$350,000 between Major Objects in Science and Technology Advancement's FY 2020-21 Budget to realign expenditures as needed for the Enhanced Monitoring Program, issue solicitations, execute purchase orders and amend contract for equipment and services for air monitoring.

**COMMITTEE:** Administrative, November 13, 2020; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Recognize revenue, upon receipt, and appropriate supplemental funds in the amount of up to \$350,000 for the U.S. Government Enhanced Particulate Monitoring Program into Science & Technology Advancement's (STA) (Org 47) FY 2020-21 Budget, Services and Supplies as set forth in Attachment 1;
2. Recognize revenue, upon receipt, and appropriate funds in the amount of \$404,261 (\$390,000 was previously included in Salaries & Employee Benefits within the FY 2020-21 Budget) for the U.S. EPA Section 105 Grant for the 29th Year PAMS Program into STA (Org 47) FYs 2020-21 and/or 2021-22 Budgets, Services and Supplies and Capital Outlays Major Objects, as set forth in Attachment 2;
3. Transfer up to \$350,000 between the Services and Supplies Major Object (Org 47), and Salaries and Employee Benefits Major Object (Org 44) in Science and Technology Advancement's FY 2020-21 Budget to realign expenditures, as needed, for the Enhanced Particulate Monitoring Program;
4. Authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue "Prior Bid, Last Price" purchase orders,

or a solicitation(s), as needed, followed by a purchase order, for the equipment and services listed in Table 1, as follows:

- a. Up to two gas dilution systems in an amount not to exceed \$55,000;
  - b. Up to two replacement air conditioning units in an amount not to exceed \$25,000;
  - c. One portable gas dilution system in an amount not to exceed \$27,500;
  - d. One ozone monitor in an amount not to exceed \$15,000;
  - e. One ozone primary standard in an amount not to exceed \$19,000; and
5. Authorize the Executive Officer, to amend the existing contract with Sonoma Technology, Inc. in an amount not to exceed \$41,000 to provide additional meteorological audit technical support within the scope of the contract as described in this letter.

Wayne Natri  
Executive Officer

MMM:JCL:RMB:AK:KD:ld

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## **Background**

### 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 supplemental funds up to \$350,000 to extend the grant period through April 30, 2021. Since the onset of the Enhanced Particulate Monitoring Program, the U.S. Government has annually allocated funds to fully support the program.

### PAMS Program

In February 1993, U.S. EPA promulgated the PAMS regulations for areas classified as serious, severe or extreme nonattainment. These regulations require South Coast AQMD to conduct monitoring for ozone precursors with enhanced monitoring equipment at multiple sites. The PAMS Program also funds upper air and surface-based meteorological measurements at several locations. Since the onset of the PAMS Program, U.S. EPA has annually allocated Section 105 Grant funds in support of this requirement.

## **Proposal**

### Enhanced Particulate Monitoring Program (FY 2020-21)

The South Coast AQMD is expected to receive supplemental funding from the U.S. Government for the ongoing Enhanced Particulate Monitoring Program through April 30, 2021, in an amount up to \$350,000. These actions are to recognize revenue up to \$350,000 and appropriate up to \$350,000 into STA's FY 2020-21 Budget, Services & Supplies and Salaries & Employee Benefits Major Objects, as set forth in Attachment 1

and to transfer up to \$350,000 between the Services and Supplies Major Object (Org 47), and Salaries and Employee Benefits Major Object (Org 44) in Science and Technology Advancement's FY 2020-21 Budget to realign expenditures as needed.

### PAMS Program

The estimated U.S. EPA Section 105 Grant for the 29th Year PAMS Program funding is \$794,261 based on the 28th Year PAMS Program funding levels. This action is to recognize revenue, upon receipt, and appropriate a portion of the estimated funds in the amount of \$404,261 (with the remainder of \$390,000 already included in Salaries and Employee Benefits within the FY 2020-21 Budget) into the Services and Supplies and Capital Outlays Major Objects in STA's FYs 2020-21 and/or 2021-22 Budgets, as set forth in Attachment 2. The U.S. EPA concurs with staff's proposed allocation.

### Proposed Purchases through an RFQ Process, "Prior Bid, Last Price" or Informal Bid Gas Dilution Systems

U.S. EPA requires the measurement of criteria pollutants at multiple sites. Periodic calibration of the air monitors is required to meet U.S. EPA quality control criteria. Gas dilution systems are necessary to provide a known concentration of gas standard required for the calibration of air monitoring equipment. The current gas dilution systems are greater than ten years old and are in need of replacement. The approximate cost for up to two gas dilution systems is \$55,000 (see Table 1). The purchase will be made by "Prior Bid, Last Price" or through a solicitation process, as needed, followed by issuance of a purchase order.

### Replacement Air Conditioning Units

U.S. EPA requires a temperature-controlled environment at air monitoring sites. Temperature must be between 20 - 30°C with a standard deviation of 2°C over a 24-hour period. Replacement of the current air conditioning units are required to meet these criteria. The current air conditioning units at the Rubidoux sites are greater than fifteen years old, run continuously and no longer meet this standard. The approximate cost for up to two replacement air conditioning units is \$25,000 (see Table 1). The purchase will be made by "Prior Bid, Last Price" or through a solicitation process, as needed, followed by issuance of a purchase order.

### Portable Gas Dilution System

U.S. EPA's PAMS Program requires the measurement of ozone precursors with enhanced monitoring equipment at multiple sites. Periodic audits of air monitors are required to meet U.S. EPA quality assurance criteria. Gas dilution systems are necessary to provide a known concentration of gas standard required for auditing air monitoring equipment. The current gas dilution systems are greater than ten years old and are in need of replacement. The approximate cost for a portable gas dilution system is \$27,500 (see Table 1). The purchase will be made by "Prior Bid, Last Price" or through a solicitation process, as needed, followed by issuance of a purchase order.

### *Ozone Monitor*

U.S. EPA requires the measurement of ozone for non-attainment areas. South Coast AQMD operates a network of 28 ozone monitors to obtain data regarding public exposure to air contaminants. Periodic audits of ozone monitors are required to meet U.S. EPA quality assurance criteria. This monitor is necessary to provide a secondary standard concentration of ozone required for auditing the ambient ozone network. The approximate cost for an ozone monitor is \$15,000 (see Table 1). The purchase will be made by “Prior Bid, Last Price” or through a solicitation process, as needed, followed by issuance of a purchase order.

### *Ozone Primary Standard*

U.S. EPA requires the measurement of ozone for non-attainment areas. South Coast AQMD operates a network of 28 ozone monitors to obtain data regarding public exposure to air contaminants. Periodic audits and calibration of ozone monitors are required to meet U.S. EPA quality assurance criteria. This ozone primary standard is necessary to continue to provide a certified concentration of ozone required for audits and calibrations of the ambient ozone network. The company that produced the current ozone primary standard is no longer in business. The primary standard is more than eight years old; parts and service are no longer available. The approximate cost for an ozone primary standard is \$19,000 (see Table 1). The purchase will be made through a solicitation process, as needed, followed by issuance of a purchase order.

### Proposed Contract Amendment

#### *Technical Support for Upper Air and Monitoring Site Meteorological Network*

On October 5, 2018 the Board authorized the solicitation of bids and execution of a contract for technical support for surface and upper air meteorological measurements. A multi-year Contract was awarded to Sonoma Technology, Inc. with a provision for annual amendments to extend the term and add funds up to \$100,000, based on contractor performance and availability of funds. The second-year contract amendment was executed for \$100,000, (under the Executive Officer’s authority) beginning September 1, 2020, with funds allocated in the August 7, 2020 Board Letter in an amount not to exceed \$141,000 as appropriated from U.S. EPA Section 105 27th Year PAMS Program funding. This action authorizes a new amendment for the remaining \$41,000 in support of additional meteorological audits under the scope of the current contract.

### **Resource Impacts**

U.S. Government Grant funding will fully support the Enhanced Particulate Monitoring Program.

The U.S. EPA Section 105 Grant funding will support the operation of the PAMS Program to meet necessary objectives of the Program.

**Table 1**  
**Proposed PAMS Capital Outlay Expenditures for FYs 2020-21 and/or FY 2021-22**

<b>Description</b>	<b>Qty</b>	<b>Funding Source</b>	<b>Estimated Amount</b>	<b>Contracting Method</b>
Gas Dilution Systems	Up to 2	PAMS 29th Year	\$55,000	'Prior Bid, Last Price' or Solicitation
Replacement Air Conditioning Units	Up to 2	PAMS 29th Year	\$25,000	'Prior Bid, Last Price' or Solicitation
Portable Gas Dilution System	1	PAMS 29th Year	\$27,500	'Prior Bid, Last Price' or Solicitation
Ozone Monitor	1	PAMS 29th Year	\$15,000	'Prior Bid, Last Price' or Solicitation
Ozone Primary Standard	1	PAMS 29th Year	\$19,000	Solicitation
<b>Total</b>			<b>\$141,500</b>	

**Attachments**

1. Proposed Supplemental Enhanced Particulate Monitoring Expenditures for FY 2020-21
2. Proposed 29th Year PAMS Expenditures for FYs 2020-21 and/or 2021-22

**Attachment 1**  
**Proposed Supplemental Enhanced Particulate Monitoring Expenditures for**  
**FY 2020-21**

Account Description	Account Number	Program Code	Estimated Expenditures
<b>Salaries &amp; Employee Benefits Major Object:</b>			
Overtime	52000	44505	\$50,000
<b>Total Salaries &amp; Employee Benefits Major Object:</b>			<b>\$50,000</b>
<b>Services &amp; Supplies Major Object:</b>			
Temporary Agency Services	67460	47505	\$300,000
<b>Total Services &amp; Supplies:</b>			<b>\$350,000</b>
<b>Total Appropriations:</b>			<b>\$350,000</b>

**Attachment 2**  
**Proposed 29th Year PAMS Expenditures for FYs 2020-21 and/or FY 2021-22**

<b>Account Description</b>	<b>Account Number</b>	<b>Program Code</b>	<b>Estimated Expenditure</b>
<b>Services &amp; Supplies Major Object:</b>			
Rents & Leases Equipment	67300	47530	\$500
Rents & Leases Structure	67350	47530	8,000
Professional and Special Services: Data Management and Analysis	67450	47530	18,100
Temp Agency Services	67460	47530	5,000
Demurrage Expenses	67550	47530	10,000
Maintenance of Equipment	67600	47530	105,000
Building Maintenance	67650	47530	9,000
Travel	67800	47530	5,000
Communications	67900	47530	2,000
Laboratory Supplies	68050	47530	69,161
Office Expense	68100	47530	5,000
Small Tools, Instruments, Equipment	68300	47530	20,000
Training	69500	47530	6,000
<b>Total Services &amp; Supplies Major Object:</b>			<b>\$262,761</b>
<b>Capital Outlay Major Object:</b>			
Gas Dilution Systems (Up to 2)	77000	47530	\$55,000
Replacement Air Conditioning Units (Up to 2)	77000	47530	25,000
Portable Gas Dilution System	77000	47530	27,500
Ozone Monitor	77000	47530	15,000
Ozone Primary Standard	77000	47530	19,000
<b>Total Capital Outlay Major Object:</b>			<b>\$141,500</b>
<b>FY Appropriations</b>			<b>\$404,261</b>

Note: \$390,000 was previously recognized in Salaries & Employee Benefits within the FY 2020-21 Budget.