

BOARD MEETING DATE: August 7, 2020

AGENDA NO. 4

PROPOSAL: Recognize Revenue, Appropriate Funds, and Issue Solicitations and Purchase Orders for Air Monitoring

SYNOPSIS: South Coast AQMD is expected to receive grant funds up to \$247,416 from the U.S. EPA for the NATTS Program. These actions are to recognize revenue and appropriate funds for the NATTS Monitoring Program, appropriate the remaining balances of the NATTS and PAMS Program funds, and issue solicitations and purchase orders for air monitoring equipment and utility vans.

COMMITTEE: Administrative, June 12, 2020; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize revenue, upon receipt, up to \$164,416 and appropriate funds up to \$164,416 for the NATTS FY 2020-21 grant into Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as detailed in Attachment 1.
2. Appropriate up to \$140,000 in remaining NATTS FY 2019-20 balances to Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as detailed in Attachment 2.
3. Appropriate up to \$96,000 in remaining 26th Year PAMS balances to Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as detailed in Attachment 3.
4. Appropriate up to \$426,000 in remaining 27th Year PAMS balances to Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as detailed in Attachment 4.
5. Issue solicitations (RFQ/RFP) and authorize the Procurement Manager, in accordance with South Coast AQMD Procurement Policy and Procedure, to issue purchase orders based on 'prior bid, last price', cooperative purchasing or the result of a solicitation process for the following (as listed in Table 1 and further described in this Board letter):
 - a. Up to two PM10 samplers not to exceed \$22,000;
 - b. Up to 14 ozone monitors not to exceed \$146,000;
 - c. Up to seven nitrogen dioxide (NO₂) monitors not to exceed \$105,000;
 - d. One summa canister cleaner not to exceed \$40,000; and

- e. Up to two utility vans, either BEV, PHEV or SULEV based on availability, not to exceed \$90,000.

Wayne Natri
Executive Officer

MMM:JCL:RMB:ld

Background

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. U.S. EPA Government Performance Results Act commitments specify a goal of reducing air toxic emissions by 75 percent from 1993 levels to significantly reduce health risks. 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 accurate evaluation of toxic trends on a regional basis.

PAMS Program

In February 1993, the 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 the meteorological upper air stations located at LAX, and in Irvine and Moreno Valley. Since the onset of the PAMS Program, the U.S. EPA has annually allocated Section 105 Grant funds in support of this requirement.

Proposal

NATTS Program (FY 2020-21)

U.S. EPA is expected to provide Section 103 Grant funding in an amount up to \$247,416 to continue the NATTS Program for the period from July 1, 2020 to June 30, 2021. Revenue for this grant in the amount of \$83,000 is included in the FY 2020-21 Budget. This action is to recognize, upon receipt, the remaining revenue up to \$164,416 and appropriate up to \$164,416 to Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as set forth in Attachment 1. U.S. EPA concurs with staff's proposed allocation.

NATTS Program (FY 2019-20)

U.S. EPA provided Section 103 Grant funding to maintain the NATTS program during FY 2019-20. This action is to appropriate the remaining balance up to \$140,000 into Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as set forth in Attachment 2. U.S. EPA concurs with staff's proposed reallocation.

26th Year PAMS Program Funds

The U.S. EPA provided Section 105 Grant funding to maintain the 26th Year PAMS Program during FY 2017-18. This action is to appropriate the remaining balance up to \$96,000 into Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as set forth in Attachment 3. U.S. EPA concurs with staff's proposed reallocation.

27th Year PAMS Program Funds

The U.S. EPA provided Section 105 Grant funding to maintain the 27th Year PAMS Program during FY 2018-19. This action is to appropriate the remaining balance up to \$426,000 into Science & Technology Advancement's FYs 2020-21 and/or 2021-22 Budgets, as set forth in Attachment 4. U.S. EPA concurs with staff's proposed reallocation.

Proposed Purchase through 'Prior Bid, Last Price', Cooperative Purchasing or Solicitation Process

PM10 Samplers

U.S. EPA's NATTS Program requires the analysis of air toxics samples collected on filters from PM10 samplers. The two PM10 samplers purchased will act as redundant samplers in case of a NATTS primary sampler failure. The approximate cost for two PM10 samplers is \$22,000 (see Table 1). The purchase will be made by "prior bid, last price" or through an informal solicitation process as allowed by the South Coast AQMD Procurement Policy and Procedure, which authorizes informal bids for equipment under \$25,000.

Ozone Monitors

PAMS requirements include enhanced monitoring of ozone for non-attainment areas. South Coast AQMD operates a network of 29 ozone monitors to support planning efforts and the PAMS air monitoring program. Many of the ozone monitors used for audits, calibrations and for measurements within the network have been replaced, but the remaining monitors are greater than ten years old and need replacement. The approximate cost for up to 14 ozone monitors is \$146,000 (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(s).

Nitrogen Dioxide (NO₂) Monitors

PAMS recommended measurements include enhanced monitoring of NO₂ for non-attainment areas. South Coast AQMD operates a network of 27 NO₂ monitors to support planning efforts and the PAMS air monitoring program. Many of the NO₂ monitors within the network have been replaced, but the remaining monitors are greater than ten years old and need replacement. The approximate cost for up to seven NO₂ monitors is \$105,000 (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(s).

Summa Canister Cleaner

PAMS requirements include collection of VOCs as a means of determining precursors to ozone episodes. VOCs are collected in summa canisters over a 24-hour period and must be cleaned and evacuated before reuse. The current summa canister cleaner is more than 15 years old and needs replacement. The estimated cost of a summa canister cleaner is \$40,000 (see Table 1). The purchase will be made through a solicitation process followed by issuance of a purchase order(s).

Utility Vans

South Coast AQMD operates two dedicated PAMS sites and 27 ozone and NO₂ sites in support of the PAMS monitoring network. Vehicles assigned to maintenance technicians have been driven over 150,000 miles, and new enhanced PAMS sites now require a chemist to visit monitoring sites. Staff proposes to purchase two utility vans, either BEV, PHEV or SULEV, at an estimated cost of up to \$45,000 each. The purchase will be made through a solicitation process or through a 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 1-18-23-23A through H. Low emission utility vans will be selected from the vendor on the list with the most competitive price for these types of vehicles. The cost of the vehicles will not exceed \$45,000 each (see Table 1).

Resource Impacts

U.S. EPA Section 103 Grant funding will support the continuation of the NATTS monitoring program, including equipment, contracts and supplies necessary to meet the objectives of the NATTS Program.

The U.S. EPA’s remaining 26th and 27th Years PAMS Program funds will fully support equipment purchases for the PAMS Program.

Table 1
Proposed Purchases through ‘Prior Bid, Last Price,’ Cooperative Purchasing Agreement or Solicitation Process

Description	Qty	Funding Source	Estimated Cost
PM10 Samplers	Up to 2	NATTS FY 2020-21	\$22,000
Ozone Monitors	Up to 9	26th Year PAMS	96,000
Ozone Monitors	Up to 5	27th Year PAMS	50,000
NO2 Monitors	Up to 7	27th Year PAMS	105,000
Summa Canister Cleaner	1	27th Year PAMS	40,000
Utility Vans	Up to 2	27th Year PAMS	90,000
Total			Not to Exceed \$403,000

Attachments

1. Proposed NATTS FY 2020-21 Grant Expenditures (FYs 2020-21 and/or 2021-22 Appropriations)
2. Proposed NATTS FY 2019-20 Grant Expenditures (FYs 2020-21 and/or 2021-22 Appropriations for Remaining FY 2019-20 Balance)
3. Proposed 26th Year PAMS Expenditures (FYs 2020-21 and/or 2021-22 Appropriations for Remaining FY 2019-20 Balance)
4. Proposed 27th Year PAMS Expenditures (FYs 2020-21 and/or 2021-22 Appropriations for Remaining FY 2019-20 Balance)

Attachment 1
Proposed NATTS FY 2020-21 Grant Expenditures
(FYs 2020-21 and/or 2021-22 Appropriations)

Account Description	Account Number	Program Code	Estimated Expenditures
Services & Supplies Major Object:			
Professional and Specialized Services	67450	47468	\$1,416
Maintenance of Equipment	67600	47468	49,000
Travel	67800	47468	6,000
Laboratory Supplies	68050	47468	75,000
Office Expenses	68100	47468	1,000
Small Tools, Instruments, Equipment	68300	47468	10,000
Total Services & Supplies:			\$142,416
Capital Outlays Major Object:			
PM10 Monitors (up to 2)	77000	47468	\$22,000
Total Capital Outlays:			\$22,000
Total Appropriations			\$164,416

Note: Salaries, Benefits and Indirect Costs in the amount of \$83,000 are included in the FY 2020-21 Budget.

Attachment 2
Proposed NATTS FY 2019-20 Grant Expenditures
(FYs 2020-21 and/or 2021-22 Appropriations
for Remaining FY 2019-20 Balance)

Account Description	Account Number	Program Code	Initial Appropriation*	Appropriations not to Exceed
Services & Supplies Major Object:				
Professional and Specialized Services	67450	47468	\$600	\$10,000
Demurrage	67550	47468	1,000	10,000
Maintenance of Equipment	67600	47468	7,000	50,000
Travel	67800	47468	700	1,500
Laboratory Supplies	68050	47468	10,000	60,000
Office Expenses	68100	47468	250	1,000
Small Tools, Instruments, Equipment	68300	47468	1,500	7,500
Total Services & Supplies:			\$21,050	\$140,000
Total Appropriations			\$21,050	\$140,000

*This is the estimated amount for the first quarter of FY 2020-21. Any remaining amount will be appropriated upon reconciliation of FY 2019-20 expenditures.

Attachment 3
Proposed 26th Year PAMS Expenditures
(FYs 2020-21 and/or 2021-22 Appropriations
for Remaining FY 2019-20 Balance)

Account Description	Account Number	Program Code	Appropriations not to Exceed
Capital Outlays Major Object:			
Ozone Monitors (Up to 9)	77000	47530	\$96,000
Total Capital Outlays Major Object:			\$96,000
Total Appropriations			\$96,000

Attachment 4
Proposed 27th Year PAMS Expenditures
(FYs 2020-21 and/or 2021-22 Appropriations
for Remaining FY 2019-20 Balance)

Account Description	Account Number	Program Code	Appropriations not to Exceed
Services & Supplies Major Object:			
Professional and Specialized Services: Technical Support – Upper Air and Monitoring Site Meteorological Support	67450	47530	\$141,000
Total Services & Supplies Major Object:			\$141,000
Capital Outlays Major Object:			
Ozone Monitors (Up to 5)	77000	47530	\$50,000
NO2 Monitors (up to 7)	77000	47530	105,000
Summa Canister Cleaner (1)	77000	47530	40,000
Utility Vans (up to 2)	77000	47530	90,000
Total Capital Outlays Major Object:			\$285,000
Total Appropriations			\$426,000