

BOARD MEETING DATE: May 2, 2014

AGENDA NO. 8

PROPOSAL: Recognize Revenue and Appropriate Funds for PM2.5 Monitoring Program and Issue Purchase Orders for Air Monitoring and Analysis Equipment

SYNOPSIS: U.S. EPA has allocated Section 103 Grant funds in the amount of \$780,455 for the PM2.5 Program. This action is to recognize revenue and appropriate funds for the PM2.5 Monitoring Program and issue purchase orders for air monitoring and analysis equipment.

COMMITTEE: Administrative, April 11, 2014; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize upon receipt \$319,455 awarded by U.S. EPA for the PM 2.5 Monitoring Program and appropriate in the FY 2013-14 Budget as shown in Attachment 1.
2. Authorize the Procurement Manager to:
 - a. Issue a purchase order with Thermo Scientific in an amount not to exceed \$50,000 for the purchase of three FRM PM2.5 Partisol single-filter samplers as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures;
 - b. Issue a purchase order with URG Corporation in an amount not to exceed \$28,000 for the purchase of two PM2.5 speciation samplers as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures; and
 - c. Issue a purchase order with Metrohm in an amount not to exceed \$36,000 for the purchase of an ion chromatograph analyzer upgrade as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures.

Barry R. Wallerstein, D.Env.
Executive Officer

LT:JCL:cv

Background

PM2.5 Program

Since 1998, U.S. EPA has provided funds under a Section 103 Grant for a comprehensive PM2.5 Air Monitoring Program. To date, there are 20 ambient SCAQMD monitoring stations operating 23 Federal Reference Method (FRM) PM2.5

monitors under U.S. EPA funding. In addition, U.S. EPA has supported the expansion of the network to collect continuous PM2.5 mass and chemical speciation at several sites within the South Coast Air Basin. This augmentation substantially adds to the fine particulate data which will help in the characterization of PM2.5 sources, current air quality conditions, and health impacts.

Proposal

PM2.5 Program

U.S. EPA is expected to provide funding in the amount of \$780,455 in Section 103 Grant funds for the continuation of the PM2.5 Program through March 31, 2015. This action is to recognize revenue and appropriate \$319,455 in the FY 2013-14 Budget. The award includes a one-time funding of \$78,000 for the purchase of three FRM PM2.5 monitors and two PM2.5 speciation monitors. In addition, staff is proposing the purchase of an upgrade for an ion chromatograph in an amount not to exceed \$36,000 to enhance existing analytical capabilities. The U.S. EPA concurs with staff's proposed allocation.

Issue Purchase Order for Three FRM PM2.5 Monitors

Since 1998, U.S. EPA has provided funds under a Section 103 Grant for a comprehensive PM2.5 Air Monitoring Program. To date, there are 20 ambient SCAQMD monitoring stations operating 23 FRM PM2.5 monitors under U.S. EPA funding. Many of the samplers have been in operation since the inception of the PM2.5 air monitoring program and are in need of replacement. Staff recommends that the Board authorize the Procurement Manager to issue a sole source purchase order with Thermo Scientific for three single-filter PM2.5 Partisol air samplers at a total cost not to exceed \$50,000 as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures.

Issue Purchase Order for Two PM2.5 Speciation Monitors

Since 1998, U.S. EPA has provided funds under a Section 103 Grant for a comprehensive PM2.5 Air Monitoring Program which includes measuring the trends in PM2.5 concentration levels of selected ions, metals, carbon species, and organic compounds. Many of the samplers have been in operation since the inception of the PM2.5 Air Monitoring Program and are in need of replacement. Staff recommends that the Board authorize the Procurement Manager to issue a sole source purchase order with URG Corporation for two PM2.5 speciation monitors at a total cost not to exceed \$28,000 as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures.

Issue Purchase Order for Ion Chromatography Upgrade

Since 1998, U.S. EPA has provided funds under a Section 103 Grant for a comprehensive PM2.5 Air Monitoring Program which includes measuring the trends in PM2.5 concentration levels of selected ions, metals, carbon species, and organic compounds. A Metrohm ion chromatograph analyzer is used to analyze the selected

ions and is in need of an upgrade to conform to the current computer operating platform. Staff recommends that the Board authorize the Procurement Manager to issue a sole source purchase order with Metrohm for an ion chromatography upgrade at a total cost not to exceed \$36,000 as budgeted in the proposed FY 2013-14 PM2.5 Program Expenditures.

Sole Source Justifications

Section VIII, B.3 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified for federally funded procurement and states: For contracts funded in whole or in part with federal funds, written justification for sole source award must be provided documenting that awarding a contract is infeasible under small purchase procedures, sealed bids or competitive proposals and that one of the following circumstances applies: (a) The item is available only from a single source; (b) The public exigency or emergency for the requirement will not permit a delay resulting from competitive solicitation; (c) The awarding federal agency authorizes noncompetitive proposals; or (d) After solicitation of a number of sources, competition is determined inadequate.

The request for sole source purchase of the PM2.5 FRM single-filter samplers, PM2.5 speciation samplers, and ion chromatography upgrade are made under Section VIII, B.3.a for which the items are available only from a single source.

Resource Impacts

The grant award total is \$780,455 of which \$461,000 has already been included in the budget. Therefore, revenue and an appropriation in the amount of \$391,455 is identified in Recommended Action 1. U.S. EPA Section 103 Grant funding will support the continuation of the PM2.5 Monitoring Program, including equipment, contracts, temporary services, and supplies necessary to meet the objectives of the program.

Attachment

Proposed FY 2013-14 PM2.5 Program Expenditures

ATTACHMENT 1
Proposed FY 2013-14 PM 2.5 Program Expenditures

Account Description	Account Number	Program Code	Estimated Expenditures
Services & Supplies			
Rents and Leases Structure	67350	47500	\$ 4,500
Professional and Specialized Services	67450	47500	45,000
Maintenance of Equipment	67600	47500	73,000
Building Maintenance	67650	47500	20,000
Travel	67800	47500	4,000
Laboratory Supplies	68050	47500	33,839
Office Expense	68100	47500	5,400
Small Tools	68300	47500	19,716
Total Services & Supplies			\$ 205,455
Capital Outlay:			
FRM PM2.5 Monitor (Qty 3)	77000	47500	\$ 50,000
PM2.5 Speciation Monitor (Qty 2)	77000	47500	28,000
Ion Chromatography Upgrade (Qty 1)	77000	47500	36,000
Total Capital Outlays			\$ 114,000
FY 2013-14 Appropriations			\$ 319,455
Salaries and Benefits		44500	\$461,000
Total Award			\$ 780,455