BOARD MEETING DATE: May 1, 2015 AGENDA NO. 6

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

SYNOPSIS: U.S. EPA has allocated Section 103 funds in the amount of $762,160 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 equipment and one CNG vehicle.

COMMITTEE: Administrative, April 10, 2015; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize and appropriate upon receipt $301,160 awarded by U.S. EPA for the PM2.5 Monitoring Program and into the FY 2014-15 Budget as set forth in the attachment.
2. Authorize the Procurement Manager to:
   a. Issue a purchase order with Thermo Fisher Scientific, Inc. in an amount not to exceed $8,500 for the purchase of an ion chromatograph autosampler as budgeted in the Proposed FY 2014-15 PM2.5 Program Expenditures;
   b. Issue a purchase order with Thermo Fisher Scientific, Inc. in an amount not to exceed $60,000 for the purchase of three PM2.5 continuous Federal Equivalent Method (FEM) monitors as budgeted in the Proposed FY 2014-15 PM2.5 Program Expenditures; and
   c. Issue a purchase order with an approved state contract vendor in an amount not to exceed $45,000 for the purchase of one CNG vehicle as budgeted in the Proposed FY 2014-15 PM2.5 Program Expenditures.

Barry R. Wallerstein, D.Env.
Executive Officer

MMM: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 and 17 Federal Equivalent Method (FEM) PM2.5 continuous monitors. 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

The SCAQMD anticipates a U.S. EPA award of $762,160 in Section 103 Grant funds for the continuation of the PM2.5 Program through March 31, 2016. This action is to recognize $762,160 upon receipt and appropriate $301,160 into the FY 2014-15 Budget; the remaining $461,000 has already been included in the adopted FY 2014-15 Budget.

Issue Purchase Order for Ion Chromatograph Autosampler

The U.S. EPA Section 103 Grant for SCAQMD's comprehensive PM2.5 Air Monitoring Program includes measuring the trends in PM2.5 concentration levels of selected ions, metals, carbon species and organic compounds. The SCAQMD's current ion chromatograph analyzer purchased from Thermo Fisher Scientific, Inc. is used to analyze the selected ions, but is in need of a new autosampler since technical support to repair the older one is no longer available. The new autosampler must be compatible with the ion chromatograph and its software. Staff recommends the purchase of an ion chromatography autosampler in an amount not to exceed $8,500 to help enhance existing analytical capabilities and U.S. EPA concurs with staff's proposed expenditure. This action is to authorize the Procurement Manager to issue a sole source purchase order to Thermo Fisher Scientific, Inc. in an amount not to exceed $8,500 as budgeted in the Proposed FY 2014-15PM2.5 Program Expenditures.

Issue Purchase Order for three FEM PM2.5 Monitors

The U.S. EPA Section 103 Grant award includes one-time funding of $70,000 for the purchase of three FEM PM2.5 continuous monitors and flow audit devices. Many of the FEM continuous monitors in SCAQMD's PM2.5 Air Monitoring Program have been in operation since 2001 and are in need of replacement. On October 4, 2013, RFQ #Q2014-02 was released in accordance with SCAQMD's Procurement Policy and Procedure and Thermo Fisher Scientific, Inc. was chosen as the successful bidder at the conclusion of the evaluation process. Thermo Fisher Scientific, Inc. has agreed to honor the price from that RFQ process. Since the SCAQMD's Procurement Policy and Procedure allows purchases based on a prior bid or last price, this action is to authorize the Procurement Manager to issue a purchase order with Thermo Fisher Scientific, Inc.

for three FEM PM2.5 Monitors in an amount not to exceed $60,000 as budgeted in the Proposed FY 2014-15 PM2.5 Program Expenditures.

Issue Purchase Order for one CNG Vehicle

With an aging fleet of calibration and repair vehicles, staff has identified the need to replace the older high-mileage vehicles with new CNG-powered vehicles. These vehicles are essential for staff to perform routine and non-routine operation, calibration and maintenance of air monitoring equipment for air monitoring stations supporting the PM2.5 Program. Under Section IV.A.5 of the SCAQMD Procurement Policy and Procedure, the Procurement Manager shall pursue cooperative purchasing opportunities whenever possible. Dedicated CNG vehicles are available from vendors under the State of California, Department of General Services, Procurement Division, Alternative Fueled Vehicles Contract 1-14-23-23D. This action is to authorize the Procurement Manager to issue a purchase order with a vendor on the state contract award list with the most competitive price in an amount not to exceed $45,000 for the purchase of one CNG vehicle, as budgeted in the Proposed FY 2014-15 PM2.5 Program Expenditures.

Sole Source Justification

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 ion chromatography autosampler is made under Section VIII, B.3.a: The item is available only from a single source, specifically Thermo Fisher Scientific, Inc.

Resource Impacts

The total grant award expected is $762,160, of which $461,000 has already been included in Salaries and Benefits in the adopted FY 2014-15 Budget. Therefore, the balance of $301,160 in revenue will be appropriated as set forth in the attachment. U.S. EPA Section 103 Grant funding will support the continuation of the PM2.5 Monitoring Program, including equipment, services and supplies necessary to meet the objectives of the Program.

Attachment

Proposed PM2.5 Program Expenditures FY 2014-15

ATTACHMENT
Proposed PM 2.5 Program Expenditures FY 2014-15

Account Description	Account Number	Program Code	Estimated Expenditures
Services & Supplies Major Object:			
Rents and Leases Structure	67350	47500	4,500
Maintenance of Equipment	67600	47500	60,000
Building Maintenance	67650	47500	26,517
Travel	67800	47500	6,000
Laboratory Supplies	68050	47500	25,000
Office Expense	68100	47500	10,643
Small Tools	68300	47500	55,000
Total Services & Supplies:			**187,660**
Capital Outlay Major Object:			
Ion Chromatograph Autosampler (1)	77000	47500	8,500
PM2.5 Continuous FEM Monitor (3)	77000	47500	60,000
CNG Vehicle (1)	77000	47500	45,000
Total Capital Outlay:			**113,500**
FY 2014-15 Appropriations			**$301,160**
Salaries and Benefits*		44500	$461,000
Total Award			**$ 762,160**

*Salaries, Benefits, and Indirect Costs are already included in the adopted budget