

BOARD MEETING DATE: March 4, 2022

AGENDA NO. 7

PROPOSAL: Transfer Funds Between Major Objects and Execute Purchase Orders for AB 617 Implementation

SYNOPSIS: In May and June 2021, the Board recognized up to \$21,880,000 for implementation of the AB 617 program. In November 2021, the Board authorized appropriations up to \$2,555,420 into the FY 2021-22 and/or FY 2022-23 Budget. Based on an assessment of the existing AB 617 program priorities and resources, there is a need to reallocate funds and realign expenditures. These actions are to transfer funds between Major Objects and execute a purchase order not to exceed \$200,000 for equipment to implement the AB 617 Community Air Monitoring Plans.

COMMITTEE: Administrative, February 11, 2022; Recommended for Approval

RECOMMENDED ACTIONS:

1. Transfer funds up to \$200,000 from Science & Technology Advancement's FY 2021-22 and/or FY 2022-23 Budget, Services and Supplies Major Object into Science & Technology Advancement's FY 2021-22 and/or FY 2022-23 Budget, Capital Outlays Major Object; and
2. Authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue a sole source purchase order to replace two existing Xact® 625 multi-metals monitoring systems with two newer Xact® 625i multi-metals monitoring systems and associated equipment from SailBri Cooper, Inc. (SailBri) for an amount not to exceed \$200,000.

Wayne Nastri
Executive Officer

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Background

In January, June and December 2018, the Board recognized revenue from CARB for AB 617 expenditures and approved adding new positions and funding allocations for

contracts, equipment purchases (capital outlays), and other services and supplies for initial AB 617 work. South Coast AQMD's portion of the statewide funding for the most recent allocation of the AB 617 program implementation funds is \$21,880,000. In May 2021, the Board recognized revenue of \$19,324,580 and in June 2021, the Board recognized the remaining \$2,555,420. In November 2021, the Board authorized appropriations up to \$2,555,420 into the FY 2021-22 and/or FY 2022-23 Budget. Part of these funds have and will continue to be used to implement the Community Air Monitoring Plans (CAMPs) in AB 617 communities.

Sources of air toxic metals, including fugitive emissions from metal processing facilities, re-suspended road dust associated with brake wear, and dust emissions from deserts and dried lakebeds has been identified as one of the major air quality priorities in the CAMPs of multiple AB 617 communities. Air toxic metals such as arsenic, cadmium, lead, manganese, nickel, and selenium are particle species that can deposit on surfaces and repeatedly entrain into the air as fugitive emissions, increasing the risk of exposure. To address these concerns staff has been pursuing continuous, real-time air monitoring for elements and metals, and evaluated the Xact® 625 multi-metals monitoring system manufactured by SailBri in 2018. Following this evaluation, staff purchased these two demonstration units, which have been used for several special monitoring projects and for multi-metal monitoring in AB 617 and environmental justice communities. The manufacturer has now discontinued this model and replaced it with the newer Xact® 625i multi-metals monitoring system that offers better operation and service, enhanced measurement capabilities, and improved detection limits for the measurement of a wide list of metal pollutants. Consequently, several parts for the Xact® 625 model are now obsolete. Based on an assessment of the existing AB 617 program priorities and resources, there is a need to replace the two existing Xact® 625 multi-metals monitoring systems with two newer Xact® 625i multi-metals monitoring systems and associated equipment from SailBri.

The cost of two newer Xact® 625i systems is \$200,000, which includes a \$108,000 credit for returning the two existing Xact® 625 units currently owned by South Coast AQMD. The proposed upgrade, which also includes other parts and components, is necessary to enhance measurement capabilities and improve detection capability for measurement of air toxic metal pollutants.

Proposal

This action is to transfer funds up to \$200,000 from Science & Technology Advancement's FY 2021-22 and/or FY 2022-23 Budget, Services and Supplies Major Object into Science & Technology Advancement's FY 2021-22 and/or FY 2022-23 Budget, Capital Outlays Major Object. This action is also to authorize the Procurement Manager, in accordance with South Coast AQMD's Procurement Policy and Procedure, to issue a sole source purchase order to replace two existing Xact® 625

multi-metals monitoring systems with two newer Xact® 625i multi-metals monitoring systems and associated equipment from SailBri for an amount not to exceed \$200,000.

Sole Source Justification

Section VIII.B.2 of the South Coast AQMD’s Procurement Policy and Procedures identifies provisions under which sole source awards can be made. The requests for sole source awards are made under provision VIII.B.2.c.(1), the desired services are available from only the sole source based on the unique experience and capabilities of the proposed contractor or contractor team; and (2) the project involves the use of proprietary technology. SailBri is currently the only manufacturer of a continuous multi-metals monitoring system that has been successfully evaluated by South Coast AQMD to demonstrate the capability for long-term, unattended, continuous measurement of multi-metals community air monitoring.

Also, the Xact® multi-metals monitoring systems sold by SailBri is the only multi-metals monitoring system that offers an Automated Data Analysis Plotting Toolset (ADAPT) package to manage and analyze the measurements of over 40 different metals in ambient particles in real-time through a number of relevant graphical tools. The ADAPT package includes the hardware for on-site meteorological measurement and intuitive software which is accessed in the field or remotely through the on-board computer. The software platform generates multiple graphical reports in near real-time over user-selected time periods to deliver insights on the temporal and directional variability trends of the measured metals. This enables ADAPT to provide improved directionality estimation of metal sources impacting the monitoring site.

Lastly, the Xact® 625i multi-metals monitoring system is the only multi-metals monitor with demonstrated ability to provide near-real time measurements of air toxic metals on a mobile platform, which may be required in some of the AB 617 communities.

Benefits to South Coast AQMD

The proposed upgrade is necessary to enhance measurement capabilities and improve detection capability for measurement of air toxic metal pollutants in AB 617 communities. This action will help support South Coast AQMD efforts to fulfill the legislative directives of AB 617, which will result in benefits to environmental justice communities and to the entire region.

Resource Impacts

Funding from CARB will provide sufficient resources to replace the multi-metals monitoring systems for AB 617 implementation.

Attachment

Table 1 - Proposed Sole Source Purchase Order for AB 617 Program

Table 1
Proposed Sole Source Purchase Order for AB 617 Program

Capital Outlay Major Object	Account Number	Qty	Funding Source	Total Estimated Expenditure*
Upgrade Xact® 625 Multi-Metals Monitoring Systems to Xact® 625i Multi-Metals Monitoring Systems	77000	2	AB 617	\$200,000

*This includes a \$108,000 credit for returning the two existing Xact® 625 units currently owned by South Coast AQMD