
File #: 2022-2530

Agenda Date: 10/5/2022

Agenda Item No: 4.

FROM: James D. Herberg, General Manager
Originator: Riaz Moinuddin, Director of Operations & Maintenance

SUBJECT:

PLANT NO. 1 AIR COMPRESSOR AND VACUUM PUMP REPLACEMENT

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

Approve a Sole Source Purchase Order to Quincy Compressor for air compressor and vacuum pump system replacement for the Plant No. 1 Laboratory Building, for a total amount not to exceed \$106,750, plus applicable sales tax and freight.

BACKGROUND

The Orange County Sanitation District (OC San) conducts a wide range of sample collection, monitoring, and microbiological, chemical, and physical analyses to meet NPDES and AQMD permit compliance. In addition, laboratory sampling aids in maintaining the highest level of operational efficiency. This work is primarily performed in the two-story, 36,000-square foot Laboratory at Plant No. 1. The air compressor and vacuum pump system is utilized for many of these functions and is integral to the sampling environment. When this system does not operate correctly, there could be delays in time sensitive results and impacts to sampling accuracy.

RELEVANT STANDARDS

- Commitment to safety & reducing risk in all operations
- Maintain a proactive asset management program
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard

PROBLEM

The current air compressor and vacuum pump system has exceeded its life cycle expectancy and requires constant repair. The equipment is in obsolescence which impacts our ability to attain spare parts and reliably repair the system. If failures occur, operational ability in the Laboratory will be lost.

PROPOSED SOLUTION

Replace the existing obsolete equipment with a new, serviceable air compressor and vacuum pump system from the original equipment manufacturer, Quincy Compressor. This replacement equipment is an in-kind replacement with no change to the original design parameters or installation footprint.

TIMING CONCERNS

N/A

RAMIFICATIONS OF NOT TAKING ACTION

Failure of the air compressor and vacuum pump system will result in a continued risk of certain sensitive analyses failing. With limited equipment to support this testing, the necessary laboratory function may be compromised.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Quincy Compressor is a Board of Directors approved original manufacturer vendor for air compressor parts and services. The direct replacement of equipment will help re-establish a working system with proper redundancy and connection rework.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This item has been budgeted in the Fiscal Year 2022-2023 and 2023-2024 Budget, Plant No. 1 Maintenance (Repairs & Maintenance Line item: Section 06, Page 92), and available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
10/05/2022	\$106,750 + sales tax and freight	

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

N/A