



OPERATIONS COMMITTEE

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Agenda Report

File #: 2024-3886

Agenda Date: 11/6/2024

Agenda Item No: 6.

FROM: Robert Thompson, General Manager
Originator: Riaz Moinuddin, Director of Operations & Maintenance

SUBJECT:

PROCUREMENT OF TWO BAR SCREEN CARRIAGE ASSEMBLIES AT PLANT NO. 2

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Sole Source Purchase Order to Veolia WTS Services, USA, formerly Suez Treatment Solutions, to procure two complete carriage assembly Bar Screen Units for Plant No. 2, for a total amount not to exceed \$433,092, plus applicable sales tax; and
- B. Approve a contingency of \$43,309 (10%).

BACKGROUND

The Orange County Sanitation District (OC San) Plant No. 2 Headworks facility has six bar screen assemblies to provide screening removal of solids and other non-biodegradables from influent wastewater. During normal operations, the bar screens run in split mode: three (3) screens serve the non-reclaimable influent flow, and three (3) screens serve the reclaimable influent flow. As unfiltered wastewater passes through a bar screen, debris collects on the steel bars. A mechanical rake removes large objects such as rags, trash, wood, and other debris from the bars and allows the influent wastewater to enter Headworks for further treatment.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Maintain a proactive asset management program
- Comply with environmental permit requirements

PROBLEM

Currently, one bar screen unit is damaged beyond repair and requires replacement. With limited redundancy of the remaining bar screens, OC San will not be able to meet obligations with reclaimed water flow to OCWD.

PROPOSED SOLUTION

Procure two new carriage assemblies from the Original Equipment Manufacturer (OEM), Veolia WTS Services, USA, for one (1) carriage assembly to replace the damaged bar screen, and one (1) spare assembly to OC San’s inventory, which will reduce the risk of significant downtime and equipment unavailability for these critical assets.

TIMING CONCERNS

The lead time to procure a bar screen is 12-18 weeks. Without the spare assembly, Plant No. 2 bar screen system will need to run in combined mode during downtime of a non-operational unit.

RAMIFICATIONS OF NOT TAKING ACTION

Bar screen failure can cause the inability to clear debris, increase of odor complaints, and potential risk of a catastrophic spill.

PRIOR COMMITTEE/BOARD ACTIONS

August 2017 - Approved Suez Treatment Solutions as the Original Equipment Manufacturer (OEM) Sole Source for bar screen repair parts.

ADDITIONAL INFORMATION

A contingency of 10% is requested for unforeseen price increases in materials and freight.

CEQA

The purchase of an additional unit is categorically exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations Section 15301. Section 15301 (Class 1) exempts from CEQA “the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use,” including “(b) Existing facilities of both investor and publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services”.

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San’s Purchasing Ordinance. This item has been budgeted (Budget FY 2024-25 and 2025-26, Section 6, Page 16, Repair & Maintenance) and the budget is sufficient for the recommended action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
11/20/2024	\$433,092	\$43,309 (10%)

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