



Agenda Report Details (With Text)

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Title: PURCHASE OF BAR SCREEN DRIVE SHAFT ASSEMBLY FOR PLANT NO. 2

Sponsors: Rob Thompson

Indexes:

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Attachments: 1. Agenda Report

Date	Ver.	Action By	Action	Result
9/1/2021	1	OPERATIONS COMMITTEE		

FROM: James D. Herberg, General Manager
Originator: Rob Thompson, Assistant General Manager

SUBJECT:

PURCHASE OF BAR SCREEN DRIVE SHAFT ASSEMBLY FOR PLANT NO. 2

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order with Infilco Degremont Inc. for the purchase of one spare drive shaft assembly for Plant No. 2 Bar Screening Facility, Model 316SS, for a total amount not to exceed \$96,771 plus applicable sales tax & freight charges; and
- B. Approve a contingency of \$4,839 (5%).

BACKGROUND

The Orange County Sanitation District (OC San) Headworks at Plant No. 2 uses six bar screen assemblies to provide screening removal of solids and other non-biodegradables from influent wastewater. The bar screens are designed for protection of downstream equipment and efficient treatment. 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 the Headworks for further treatment.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Maintain a proactive asset management program

- Operate and maintain facilities to minimize impacts on surrounding communities, including odor, noise, and lighting

PROBLEM

Bar screens are critical assets to the wastewater treatment process. Due to the nature of the equipment, bar screen failures can be unpredictable. The lead time for purchasing a new main drive gear assembly exceeds 12 weeks as it is not an off-the-shelf item.

PROPOSED SOLUTION

Procure a spare drive shaft assembly from the Original Equipment Manufacturer (OEM), Infilco Degremont Inc., which is compatible with all six Plant No. 2 bar screens. In the event of catastrophic failure of a gearbox, adding a spare unit to OC San's inventory will reduce the risk of significant downtime and equipment unavailability for these critical assets.

TIMING CONCERNS

N/A

RAMIFICATIONS OF NOT TAKING ACTION

Failure to maintain adequate spare parts in inventory could result in extended equipment downtime affecting operational permits.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Infilco Degremont Inc. is the OEM and is a subsidiary of Suez Treatment Solutions Inc. A 5% contingency is requested in the event of pricing changes due to tariffs, delays in placing the order beyond the quote availability, or other unforeseeable changes.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Plant No. 2 Operations and Maintenance Department (Budget Update - Fiscal Year 2021-2022, Page 45). The available funding is sufficient for this action.

Date of Approval

Contract Amount

Contingency

09/01/2021

\$96,771

\$4,839

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