
File #: 2025-4324

Agenda Date: 7/2/2025

Agenda Item No: 5.

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

SUBJECT:

PURCHASE OF SPARE PARTS FOR THICKENING AND DEWATERING CENTRIFUGES FOR PLANT NO. 1

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order to GEA Mechanical Equipment US, Inc. for the purchase of spare parts for Thickening and Dewatering centrifuges for Plant No. 1, for a total amount not to exceed \$226,997, including applicable sales tax and freight; and
- B. Approve a contingency of \$45,400 (20%).

BACKGROUND

As part of Project No. P1-101, three GEA-Westfalia Separator Thickening Centrifuges and three GEA-Westfalia Dewatering Centrifuges were commissioned at Plant No. 1. Thickening centrifuges improve sludge feed for the digestion process to increase biosolid density. Dewatering centrifuges remove water from biosolids to make the material suitable for truck transportation. The sludge thickening and the biosolids dewatering processes are central to the biosolids recycling program and comply with the Orange County Sanitation District's (OC San) operating permits.

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

OC San has identified critical Original Equipment Manufacturer (OEM) spare parts that are subject to normal wear and must be kept in inventory. These parts are essential for maintaining equipment reliability and are only available from the original manufacturer. Due to their long lead times, delays in procurement could significantly impact equipment availability.

PROPOSED SOLUTION

Approve a Sole Source Purchase Order to procure spare parts for centrifuges from GEA Mechanical Equipment US, Inc. (GEA) to maintain asset reliability, availability and minimize process downtime.

TIMING CONCERNS

Given the long lead times of these components and the criticality of these centrifuges, it is essential to procure and maintain these parts on-site to ensure operational readiness.

RAMIFICATIONS OF NOT TAKING ACTION

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

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

GEA is the OEM and the only authorized distributor within OC San's geographical region. Given the long lead time for these parts, a 20% 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 item has been budgeted (Budget FY 2024-25 and 2025-26, Section 6, Page 108, Repairs & Maintenance) and the budget is sufficient for the recommended action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
07/02/2025	\$226,997	\$45,400 (20%)

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

RM/ls