



OPERATIONS COMMITTEE

Agenda Report

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File #: 2025-4291

Agenda Date: 5/28/2025

Agenda Item No: 8.

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

SUBJECT:

PURCHASE AND INSTALLATION OF CENTRIFUGE ISOLATORS AT PLANT NO. 1

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source General Services Contract to GEA Mechanical Equipment US, Inc. for the purchase and installation of isolator units on six (6) Thickening and Dewatering centrifuges, for a total amount not to exceed \$696,726; and
- B. Approve a contingency of \$69,673 (10%).

BACKGROUND

Orange County Sanitation District's (OC San) Plant No. 1 Thickening and Dewatering facility consists of three GEA Mechanical Equipment US, Inc. (GEA) Separator Thickening Centrifuges and three GEA Dewatering Centrifuges, and two spares. Thickening centrifuges improve sludge quality while increasing the solids density, leading to an improved biosolids process. Dewatering centrifuges remove water from biosolids to make the material suitable for truck transportation, resulting in fewer truckloads of biosolids being hauled offsite.

The sludge thickening and the biosolids dewatering processes are central to the biosolids recycling program and complying with OC San operating permits. The isolators play a critical role in absorbing and dispersing vibration on the centrifuges.

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) equipment that requires major service in accordance with manufacturer specifications. This service interval is a 5-year maintenance schedule (or 40,000 hours) that is vital to maintaining reliability of our centrifuges. With potential lengthy lead times of up to one year, scheduling for services is necessary to maintain compliance with manufacturer maintenance requirements.

PROPOSED SOLUTION

Approve a General Services Contract for the purchase and installation of six (6) isolator units for upcoming required maintenance.

TIMING CONCERNS

Due to lengthy and at times unpredictable lead times, OC San will purchase in advance and schedule services to ensure equipment availability.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to maintain and service the equipment will result in higher lifecycle costs and could result in extended equipment downtime affecting operational limits.

PRIOR COMMITTEE/BOARD ACTIONS

September 2020 - Board of Directors approved GEA Westfalia as the OEM Sole Source for Centrifuge parts and service.

ADDITIONAL INFORMATION

GEA is the OEM and GEA Mechanical Equipment US Inc./GEA Westfalia Separator Division is the only authorized distributor within OC San's geographical region. A 10% contingency is requested in the event of pricing changes or any unforeseeable impacts to pricing.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC SAN's Purchasing Ordinance. This item has been budgeted (Budgeted 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>
05/28/2025	\$696,726	\$69,673 (10%)

ATTACHMENT

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

- General Services Contract

RM/ls