



Agenda Report

File #: 2020-1195, Version: 1

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

SUBJECT:

PURCHASE SPARE INVENTORY PARTS FOR SCHWING CAKE PUMPS

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Sole Source Purchase Order to Schwing Bioset for the purchase of spare inventory parts for the Schwing Cake Pumps for the Truckloading and Thickening and Dewatering facilities, for a total amount not to exceed \$228,193, plus applicable sales tax and shipping; and
- B. Approve a contingency of \$11,410 (5%).

BACKGROUND

The Orange County Sanitation District (Sanitation District) utilizes seven Schwing Cake Pumps to transfer biosolids within its facilities. The Thickening and Dewatering facility at Plant No. 1 uses three dewatering centrifuges that are critical to the solids handling process. Each of the three dewatering centrifuges utilize a dedicated Schwing Cake Pump to transfer the dewatered cake to storage silos. An additional dedicated Schwing Cake Pump is utilized to transfer cake from four individual storage silos to the truckloading hopper.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Maintain a proactive asset management program
- Operate and maintain facilities to minimize impact on surrounding communities, including odor, noise, and lighting

PROBLEM

Operation of the Schwing Cake Pumps is critical to the solids removal process. As each of these pumps are dedicated to either a centrifuge or storage silo, the loss of a pump means the loss of use of a centrifuge or storage silo. Limitations to solids processing or storage may require solids storage in digesters or primary basins which can present permit compliance risks.

Most of the spare parts requested come from Germany and/or have long lead times.

PROPOSED SOLUTION

Procure spare inventory parts for Schwing Cake Pumps to maintain asset availability and minimize downtime.

TIMING CONCERNS

The seven Schwing Cake Pumps in both Truckloading and Thickening and Dewatering facilities are extremely critical to the treatment process. Having spare parts available in the warehouse will greatly reduce the downtime to our treatment process when repairs are required.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to maintain adequate spare parts in inventory could result in extended equipment downtime which hampers solids processing capabilities.

ADDITIONAL INFORMATION

Schwing Bioset is a Board approved sole source vendor for Schwing Cake Pump replacement parts. Schwing is the original equipment manufacturer and Schwing Bioset is the only authorized distributor within our geographical region. 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 the Sanitation District's Purchasing Ordinance. This recommendation will be funded under the Repair and Maintenance line item for Plant No. 1 Maintenance Department (Budget Fiscal Year 2020-21, Section 6, Page 92). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
09/23/2020	\$228,193	\$11,410

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

N/A

RM:jg:st:ab:gc