



## Agenda Report

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**File #:** 2020-913, **Version:** 1

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

**SUBJECT:**

**PLANT NO. 2 DEWATERING CENTRIFUGE SPARE ROTATING ASSEMBLY AND GEARBOX**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order contract for the procurement of one spare rotating assembly and gearbox for the Alfa Laval Centrifuges, Model ALDEC G3-125, for an amount not to exceed \$435,756, plus applicable sales tax and shipping; and
- B. Approve a contingency of \$43,576 (10%).

### **BACKGROUND**

Five Alfa Laval, Model ALDEC G3-125, dewatering centrifuges were installed at Plant No. 2 by Project No. P2-92. These units replaced the Belt Filter Press systems with newer dewatering technology using centrifuges, which have reduced biosolids disposal costs and improved process efficiencies by concentrating digested sludge to thicker biosolids cake.

### **RELEVANT STANDARDS**

- Safe, beneficial reuse of Biosolids
- Maintain a proactive asset management program
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard

### **PROBLEM**

There are five dewatering centrifuge units that are independent stand-alone trains. The centrifuge systems are subject to wear and tear dewatering gritty biosolids. The rotating assemblies have 32-week lead times to fabricate and replace. This results in significant potential down-time risk for these critical solids treatment process trains. No spare rotating assemblies were procured as part of the project.

## PROPOSED SOLUTION

Approve the purchase of one spare rotating assembly and gearbox for the Alfa Laval dewatering centrifuges at Plant No. 2. The procurement will result in a readily available spare for any of the five dewatering centrifuges at Plant No. 2.

## TIMING CONCERNS

Critical Solids Dewatering equipment may potentially be unavailable for an extended period of time.

## RAMIFICATIONS OF NOT TAKING ACTION

Failure to act increases the risk of reduced dewatering capacity and the inability to process solids and maintain permit compliance.

## PRIOR COMMITTEE/BOARD ACTIONS

N/A

## ADDITIONAL INFORMATION

N/A

## CEQA

N/A

## FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Orange County Sanitation District's Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Operations and Maintenance Department (Budget Update Fiscal Year 2019-20, Page 47), and the available funding is sufficient for this action.

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<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
02/26/2020	\$435,756	\$43,576

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## ATTACHMENT

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

N/A