



Agenda Report Details (With Text)

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Title: PLANT NO. 2, REPLACE FOUR PUTZMEISTER HYDRAULIC CYLINDERS FOR TRUCKLOADING SLIDING FRAMES

Sponsors: Rob Thompson

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Date	Ver.	Action By	Action	Result
4/22/2020	1	BOARD OF DIRECTORS		

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

SUBJECT:

PLANT NO. 2, REPLACE FOUR PUTZMEISTER HYDRAULIC CYLINDERS FOR TRUCKLOADING SLIDING FRAMES

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order for Pumpaction Corp. to procure four Putzmeister Hydraulic Cylinders on the Solid Storage and Truck Loading Bin sliding frames for \$355,254, plus applicable sales tax and shipping; and
- B. Approve a contingency of \$35,526 (10%).

BACKGROUND

The current Solids Storage and Truck Loading Facility at Plant No. 2 includes two flat-bottom bins which have been in service for approximately 20 years. Each bin has a sliding steel frame unit at the bottom of the bin that is driven back and forth by two hydraulic cylinders to evenly distribute solids for truck loading. The movement of the frame is critical to prevent bridging of the material in the bin for smooth truck loading operation.

RELEVANT STANDARDS

- Comply with environmental permit requirements

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

PROBLEM

The hydraulic cylinders driving the sliding frame operate at very high pressures. The current units are experiencing performance loss and oil leaks that impact the reliability of the truck loading operation at Plant No. 2. The leaks also create safety and environmental hazards that must be monitored and managed daily. The original equipment manufacturer, Putzmeister, has communicated that repair components and seals for the hydraulic cylinder units are obsolete. A newer model of the hydraulic cylinder is available by the original manufacturer as a direct replacement.

PROPOSED SOLUTION

Approve the purchase for four upgraded Putzmeister hydraulic cylinders through Pumpaction Corp. Standard lead time from Putzmeister is approximately 16 weeks. The procurement will result in extending the reliable life of the current truck loading hydraulic sliding frames and associated equipment.

TIMING CONCERNS

The proposed repairs need to be completed in coordination with the auger replacements scheduled for this year to ensure the reliability of the Plant No. 2 truck loading facility.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to act increases the risk of the hydraulic cylinders failing with no parts or spare units available. This could cause the shut-down of one or both storage silos and impact our capacity to load trucks and remove solids from the Plant No. 2.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District’s Purchasing Ordinance. This recommendation would 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.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
04/01/2020	\$355,253.20	\$35,525.32

ATTACHMENT

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

N/A

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