



Orange County Sanitation District

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Agenda Report Details (With Text)

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Title: PLANT NO. 2 KNIFE GATE VALVE REPLACEMENT FOR TRUCKLOADING
Sponsors: Rob Thompson
Indexes:
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Attachments: 1. Agenda Report, 2. File Summary

Date	Ver.	Action By	Action	Result
2/5/2020	1	OPERATIONS COMMITTEE		

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

SUBJECT:

PLANT NO. 2 KNIFE GATE VALVE REPLACEMENT FOR TRUCKLOADING

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order to CS-AMSCO for the procurement of 12 Dezurik replacement knife gate valves along with their mounting components for the Plant No. 2 Truckloading Facility, for a total amount not to exceed \$148,032 plus applicable sales tax and shipping; and
- B. Approve a contingency of \$14,803 (10%).

BACKGROUND

Approximately 200 tons per day of biosolids are generated from the wastewater treatment processes at the Orange County Sanitation District (Sanitation District) Plant No. 2 in Huntington Beach. These biosolids are loaded in trucks for reuse through two truckloading bays.

Each truckloading bay has six auger/valve sets that serve as discharge points to trucks. The knife gate valves were installed in the Solids Storage and Truckloading Facility during original construction nearly 20 years ago. These valves stop the flow of biosolids to trucks.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Safe, beneficial reuse of Biosolids

PROBLEM

The knife gate valves have reached the end of their useful life and are showing signs of deterioration. The valves have limited accessibility and greatly impact the ability to load trucks with biosolids.

PROPOSED SOLUTION

Procure 12 replacement valves manufactured by Dezurik Valves as specified in the original design. This will allow replacement of the valves and previously approved augers at the same time.

TIMING

Critical solids processing equipment can potentially fail resulting in constraints to transferring biosolids to trucks or the overloading of trucks, at Plant No. 2. Additionally, the knife gate valves can be procured and replaced at same time as the truckloading augers replacement project scheduled for May 2020.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to replace the knife gate valves and augers could diminish the ability to efficiently load trucks with biosolids.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

CS-AMSCO is a Board approved sole source vendor for Dezurik process valves. Dezurik is the original equipment manufacturer and the sole vendor that will meet the needs of the existing Solid Storage and Truckloading Facility at Plant No. 2.

CEQA

The replacement of the truckloading knife gate valves and augers is categorically exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations sections 15301. Section 15301 (Class 1) exempts from CEQA “the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use,” including “(b) Existing facilities of both investor and publicly-owned utilities used to provide electric power, natural gas, sewerage, or other public utility services.”

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Division 880 (Fiscal Year 2019-20 Budget, Section 6, Page 100), and the available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
02/05/2020	\$148,032	\$14,803.20

ATTACHMENT

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

N/A