



Agenda Report Details (With Text)

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Title: PLANT NO. 2 PRIMARY DISTRIBUTION STRUCTURE B GATES REPAIR

Sponsors: Rob Thompson

Indexes:

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Attachments: 1. Agenda Report, 2. S-2021-1249BD Final Contract and SOW

Date	Ver.	Action By	Action	Result
9/1/2021	1	OPERATIONS COMMITTEE		

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

SUBJECT:

PLANT NO. 2 PRIMARY DISTRIBUTION STRUCTURE B GATES REPAIR

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Service Contract to J.R. Filanc Construction Co. to repair ten slide gates for Plant No. 2 Primary Distribution Structure, per Specification No. S-2021-1249BD, for a total amount not to exceed \$309,500, including sales tax and freight; and
- B. Approve a contingency of \$46,425 (15%).

BACKGROUND

The Orange County Sanitation District (OC San) has three primary Distribution Structures at Plant No. 2 that direct primary influent from Headworks to groupings of Primary Sedimentation Basins. Distribution Structure B (DS-B) directs primary influent to primary clarifiers H, I, J, K, L, and M. A condition assessment conducted on DS-B while the six associated primary clarifiers were down during a construction outage identified 10 slide gates that are inoperable and other steel components inside DS-B that are corroded.

RELEVANT STANDARDS

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

- Comply with environmental permit requirements

PROBLEM

Major corrosion issues were discovered during the condition assessment performed inside DS-B at Plant No. 2. 10 slide gates were inoperable and severe corrosion was found on numerous steel weir plates and a steel bulkhead. Replacement of these components is required to return DS-B to service.

PROPOSED SOLUTION

Staff recommends replacement of the corroded steel components identified in DS-B at Plant No. 2 through approval of a Purchase Order to the lowest responsive and responsible bidder, J. R. Filanc Construction Co.

TIMING CONCERNS

The proposed repair needs to be executed to restore DS-B and its associated six primary clarifiers to service to restore the rated primary clarification capacity at Plant No. 2. Restoration of DS-B provides OC San the ability to control and isolate flows to the B-Side primary clarifier basins.

RAMIFICATIONS OF NOT TAKING ACTION

Not repairing the slide gates will result in the inability to isolate individual B-Side primary clarifier basins. Failure of one primary basin requiring isolation will result in an outage that impacts all the B-Side primary clarifiers, severely impacting the ability to treat primary influent at Plant No. 2.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

OC San advertised a Request for Bid on June 8, 2021, for repair of DS-B. Five bids were received. Below are the responsive bidders and their corresponding bids. The lowest responsive and responsible bidder is J.R. Filanc Construction Co.

Bidder	Amount of Bid Plus Sales Tax
J.R. Filanc Construction Co. Inc	\$309,500
Abhe & Svoboda Inc.	\$584,751
Kiewit Infrastructure West Co.	\$747,000
THARSOS Inc.	\$794,000
Mehta Mechanical Company Inc.	\$982,111

A contingency of 15% is requested for unforeseen issues or repair of additional corroded components

potentially uncovered during disassembly and repairs that could add costs during installation and performance testing.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This recommendation would be funded under the Repairs and Maintenance line item for Division 870 FY 2020-21 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>
09/29/2021	\$309,500	\$46,425 (15%)

ATTACHMENT

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

- Service Contract

RM:sa:jg:ls:gc