

Agenda Report Details (With Text)

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Title: MAINTENANCE COATING OF EFFLUENT JUNCTION BOX PIPING
Sponsors: Rob Thompson
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Attachments: 1. Agenda Report, 2. File Summary

Date	Ver.	Action By	Action	Result
5/6/2020	1	OPERATIONS COMMITTEE		

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

SUBJECT:

MAINTENANCE COATING OF EFFLUENT JUNCTION BOX PIPING

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Purchase Order Contract with Abhe & Svoboda, Inc. for the maintenance coating of the pipes and associated support structure at the Effluent Junction Box, per specification S-2020-1146BD, for a total amount not to exceed \$135,732; and
- B. Approve a contingency of \$27,146 (20%).

BACKGROUND

The Effluent Junction Box (EJB), located just outside Plant No. 1, is a critical structure through which the effluent from Plant No. 1 and brine from the Groundwater Replenishment System (GWRS) are routed to Plant No. 2 for ocean discharge. The EJB was constructed in 1989 and includes underground vaults through which steel effluent pipelines enter and exit the structure.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Comply with environmental permit requirements
- Maintain a proactive asset management program

PROBLEM

The external coating on the steel piping and its associated support structures in the EJB pipe vaults has deteriorated and a maintenance coating of these elements is required to prevent deterioration of the pipeline integrity.

PROPOSED SOLUTION

Perform repair coatings on the 66-inch north and south pipes, 84-inch north and south pipes, two 108-inch west pipes, associated actuators and stems, and associated support brackets and surfaces in and above the underground vaults.

TIMING CONCERNS

Due to the deterioration of the pipeline protective coatings, the EJB piping and its support structures in the underground vaults are subject to corrosion due to adverse environmental conditions and incidental water intrusion into the vaults.

RAMIFICATIONS OF NOT TAKING ACTION

Failure or a significant delay to repair the coatings for the pipes and their associated support structures in the vaults will eventually jeopardize the structural integrity of the critical piping. The EJB and its associated piping constitute the only permitted and reliable path to convey Plant No. 1 effluent and GWRS brine for ocean discharge. Loss or damage of this system has the potential to impact the Orange County Sanitation District's (Sanitation District) mission to protect the public health and environment.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Of the prospective bidders, three responded with formal bids. Below are the names of the responsive bidders and their corresponding bids. The lowest responsive and responsible bidder is Abhe & Svoboda, Inc.

Bidder	Amount of Bid
Abhe & Svoboda, Inc.	\$135,732
Cor-Ray Painting Co.	\$151,600
Shimmick Construction	\$183,423

A contingency of 20% is requested for unforeseen labor and materials costs should additional repair elements be discovered during the surface preparation process.

CEQA

The maintenance coating of the pipes and associated support structures at the EJC is categorically

exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations Section 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 Repair and Maintenance line item for the Operations and Maintenance Department (Budget Update Fiscal Year 2019-20, Page 47). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
05/06/2020	\$135,732	\$27,146 (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

RM/sb/ab