



Orange County Sanitation District

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OPERATIONS COMMITTEE

Agenda Report

File #: 2020-1125

Agenda Date: 7/1/2020

Agenda Item No: 8.

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

SUBJECT:

REHABILITATION OF SIXTEEN RECTANGULAR CLARIFIERS AT PLANT NO. 1

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Award a service contract to J.R. Filanc Construction Company, Inc. for the mechanical rehabilitation and overhaul of sixteen rectangular primary clarifier tanks at Plant No. 1, Specification No. S-2020-1148BD, for a total amount not to exceed \$1,319,313; and
- B. Approve a contingency of \$131,932 (10%).

BACKGROUND

At Orange County Sanitation District (Sanitation District) Plant No.1, there are 52 rectangular primary clarifier tanks which are the work horse of the wastewater treatment process. Their reliable operation is critical to meet both effluent treatment standards and to provide quality water to the Orange County Water District (OCWD) for reclamation. These primary clarifiers have been in service for a number of years with significant wear, tear, and corrosion of their mechanical systems. The Board of Directors previously authorized, and staff is completing, the first two phases of refurbishment for the primary clarifier tanks. This final phase of refurbishment for the remaining sixteen rectangular primary clarifier tanks is recommended to improve reliability and reduce unscheduled break downs per our asset management philosophy.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Meet volume and water quality needs for the GWRS
- Maintain a proactive asset management program

PROBLEM

All influent wastewater must go through primary treatment. Due to the age and worn condition of the mechanical components associated with the rectangular primary clarifiers, breakdowns are occurring with increasing frequency. Breakdowns reduce hydraulic capacity at Plant No. 1 and negatively impact flows available to the Groundwater Replenishment System (GWRS). In addition, the primary

clarifiers' reliability is crucial to the Sanitation District's ability to support upcoming capital improvement projects that place greater reliance on the Plant No. 1 rectangular primary clarifiers for treatment during construction of these projects.

PROPOSED SOLUTION

Staff recommends approval of a mechanical overhaul and rehabilitation of sixteen (16) rectangular primary clarifier tanks at Plant No.1.

TIMING CONCERNS

Two Capital Improvement Projects Nos. P1-133 and P2-98 are scheduled to begin construction in 2021. These circular primary basin projects will place a greater emphasis and reliance on the rectangular primary clarifiers at Plant No. 1. Refurbishment of the rectangular primary clarifiers should be completed before this time.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to take action could impact the Sanitation District's readiness to provide primary treatment which could delay or lengthen the duration of upcoming CIP projects that are dependent on reliable primary treatment capacity during their construction periods. This could also impact our ability to supply the desired quantity of effluent water to the GWRS.

PRIOR COMMITTEE/BOARD ACTIONS

January 2019 - Approve a Service Contract to Mehta Mechanical Company Inc., replacing the December 19, 2018 approval of a Purchase Order, for the mechanical rehabilitation and overhaul of twenty-four (24) Primary Clarifier Tanks at Plant No. 1, per Specification No. S-2018-985BD, for a total amount not to exceed \$1,998,000; and approved contingency of \$199,800.

December 2018 - Approved a Purchase Order contract to Mehta Mechanical Company Inc. for the mechanical rehabilitation and overhaul of twenty-four (24) Primary Clarifier tanks at Plant No. 1, per Specification No. S-2018-985BD, for a total amount not to exceed \$1,998,000; and approved a contingency of \$199,800.

June 2017 - Approved a Purchase Order to Frost Company for the mechanical rehabilitation and overhaul of 10 Primary Clarifiers at Plant No. 1 for a total amount not to exceed \$385,000, plus applicable tax; and approved a contingency of \$77,000.

ADDITIONAL INFORMATION

The Sanitation District issued a Notice Inviting Bids on April 10, 2020 for the mechanical rehabilitation and overhaul of sixteen Primary Clarifier tanks at Plant No. 1, per Specification No. S-2020-1148BD. Eleven sealed bids were received on June 2, 2020. The bids were evaluated in accordance with the Sanitation District's policies and procedures. Summary information of the bids received is as follows:

Bidder	Amount
J.R. Filanc Construction Company, Inc.	\$1,319,312.50
Abhe & Svoboda, Inc	\$1,351,780.00
J.F. Shea Construction, Inc.	\$1,364,850.00
Mehta Mechanical Company	\$1,563,400.00
W.A. Rasic Construction Company, Inc.	\$1,587,340.00
Houalla Enterprises, Ltd.	\$1,681,932.00
ERS Industrial Services, Inc.	\$1,705,259.96
Spiess Construction Co, Inc.	\$1,843,850.00
Tharsos Inc.	\$1,874,999.92
California Building Evaluation & Construction, Inc.	\$2,008,878.00
Myers-George Reed	\$2,088,888.00

Staff recommends awarding a service contract to the lowest responsive and responsible bidder, J.R. Filanc Construction Company, Inc., for the mechanical rehabilitation and overhaul of sixteen (16) primary clarifier tanks.

A contingency of 10% is recommended because of the potential for additional work required resulting from operating constraints and seasonal wet weather occurrences.

CEQA

The project is 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 use beyond that existing at the time of the lead agency’s determination” including “(b) Existing facilities of both investor and publicly-owned utilities used to provide electric power, natural gas, sewerage, or other public utility services”.

The project is exempt because it involves repairs and minor replacement of existing facilities involving no expansion of use or capacity. A Notice of Exemption will be filed with the Orange County Clerk-Recorder office after Board approval.

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 Operations and Maintenance Department (Fiscal Year 2020-21 Budget). The proposed funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
07/22/2020	\$1,319,313	\$131,932 (10%)

ATTACHMENT

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

- Service Contract

RM:dh:rc:ab:gc