



OPERATIONS COMMITTEE

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Agenda Report

File #: 2023-2911

Agenda Date: 4/26/2023

Agenda Item No: 9.

FROM: Robert Thompson, General Manager
Originator: Riaz Moinuddin, Director of Operations & Maintenance

SUBJECT:

PRIMARY SEDIMENTATION BASIN G DOME POST REPAIR AT PLANT NO. 2

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Services Contract to J.R. Filanc Construction Company, Inc. to provide Primary Sedimentation Basin G Dome Post Repair at Plant No. 2, Specification No. S-2023-1385BD, for a total amount not to exceed \$248,600; and
- B. Approve a contingency of \$24,860 (10%).

BACKGROUND

Primary Clarifiers, or Primary Sedimentation Basins, are used to reduce suspended solids to the secondary treatment process. Four Primary Sedimentation Basins (D, E, F & G) provide primary treatment for non-reclaimable flows at Plant No. 2, and segregates the reclaimable flow provided to the Ground Water Replenishment System (GWRS). These circular Primary Sedimentation Basins had aluminum geodesic dome installed in the 1980's to prevent foul odor from escaping. Currently, Primary Sedimentation Basin G is unavailable due to unsafe conditions from heavily corroded dome supports. The project will replace the corroded aluminum dome support posts and structural elements, and repair the baffle in Primary Sedimentation Basin G.

RELEVANT STANDARDS

- Meet volume and water quality needs for the GWRS
- Maintain a proactive asset management program
- Comply with environmental permit requirements

PROBLEM

A recent condition assessment of the Primary Sedimentation Basins found severe corrosion in multiple areas to the aluminum posts that support the dome for Primary Sedimentation Basin G.

PROPOSED SOLUTION

Approve a Services Contract to J.R. Filanc Construction Company, Inc. for repair and replacement of aluminum dome support posts, collapsed baffle, and supporting dome components.

TIMING CONCERNS

On December 5, 2022, Plant No. 2 began operating in split mode, segregating and diverting reclaimable and non-reclaimable flows, leaving no contingency should failures occur with clarifiers D or F. There are limited Primary Sedimentation Basins dedicated to treat non-reclaimable flows.

RAMIFICATIONS OF NOT TAKING ACTION

In the event of failures at Primary Sedimentation Basins D, E, or F, Basin G will be required as a reliable spare for the flow split at Plant No. 2. The inability to treat non-reclaimable flow in a separate train will preclude sending Plant No. 2 flow to GWRS for reclamation.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

A Notice Inviting Bids was issued on January 13, 2023 via Planet Bids. A non-mandatory job walk was conducted at OC San facilities on January 24, 2023. Bids were due on February 7, 2023. OC San received two (2) bids as follows:

Company Name	Bid	Determination
J.R. Filanc Construction Co. Inc.	\$248,600	Responsive
Vicon Enterprise Inc.	\$293,000	Responsive
Engineer's Estimate: \$270,000		

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San's Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Division 880, Plant No. 2 Maintenance (Adopted Budget, FY 2022-23 & 2023-24, Section 6, Page 96) and the available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
04/26/2023	\$248,600	\$24,860

ATTACHMENT

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

- Services Contract