



OPERATIONS COMMITTEE

Administration Building
10844 Ellis Avenue
Fountain Valley, CA 92708
(714) 593-7433

Agenda Report

File #: 2021-1891

Agenda Date: 11/3/2021

Agenda Item No: 5.

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

SUBJECT:

PLANT 2 PRIMARY EFFLUENT PUMP STATION PUMP #4 REBUILD

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order for Plant 2 Primary Effluent Pump Station Pump #4 Rebuild to Vaughan's Industrial Repair Co., Inc. for the rebuild of one Fairbanks Morse vertical pump, for an amount not to exceed \$134,030, plus shipping; and
- B. Approve a contingency of \$13,403 (10%).

BACKGROUND

The Primary Effluent Pump Station (PEPS) feeds primary-treated wastewater to the Activated Sludge (AS) secondary treatment facilities at Orange County Sanitation District (OC San) Plant No. 2 for further treatment prior to discharge through the ocean outfall. The PEPS pumps were installed in 1981 and have been in service for 40 years.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Comply with environmental permit requirements
- Maintain a proactive asset management program
- Operate and maintain facilities to minimize impacts on surrounding communities, including odor, noise, and lighting

PROBLEM

A recent condition assessment of the PEPS Pump No.4 found degradation and damage that needs to be repaired on the discharge elbow, pump impeller, and suction bell.

PROPOSED SOLUTION

Approve a Sole Source Purchase Order to Vaughan's Industrial Repair Co., Inc. to rebuild the Fairbanks Morse pump, PEPS Pump #4. Vaughan's Industrial Repair Co., Inc. is the sole authorized

service center for these Fairbanks Morse pumps.

TIMING CONCERNS

The PEPS Pump Station consists of four pumps, three designated for normal duty and one designated for stand-by duty. Failure to repair PEPS Pump No. 4 would potentially result in the reduction in reliability to the secondary treatment capacity at the Plant No. 2 AS Plant.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to repair the PEPS Pump No.4 would result in the reduction of secondary treatment capacity. Additionally, a pump failure would severely handicap the ability to pump primary effluent to the AS Plant, thus affecting the ability to process peak wet weather flows and maintain permit capacity.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

N/A

CEQA

The repair of the Primary Effluent Pumps 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 OC San’s Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Plant No. 2 Operations and Maintenance Department (Budget Update - Fiscal Year 2021-22, Page 45). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
11/03/2021	\$134,030	\$13,403 (10%)

ATTACHMENT

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

N/A