
File #: 2021-1945

Agenda Date: 3/16/2022

Agenda Item No: 2.

FROM: James D. Herberg, General Manager
Originator: Kathy Millea, Director of Engineering

SUBJECT:

WASTE SIDESTREAM PUMP STATION VFD REPLACEMENTS AT PLANT NO. 1, PROJECT NO. FR1-0016

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Waste Sidestream Pump Station VFD Replacements at Plant No. 1, Project No. FR1-0016;
- B. Award a Construction Contract to Leed Electric, Inc. for Waste Sidestream Pump Station VFD Replacements at Plant No. 1, Project No. FR1-0016, for an amount not to exceed \$344,889; and
- C. Approve a contingency of \$51,733 (15%).

BACKGROUND

The Waste Sidestream Pump Station transfers flows from storm drains, sump pumps, and waste backwash from the Orange County Water District Groundwater Replenishment System to primary clarifiers for treatment.

The pump station consists of three 60-horsepower pumps. The output of the pumps can be varied using variable frequency drives (VFDs).

RELEVANT STANDARDS

- Comply with California Public Contract Code Section 20103.8, award construction contract to lowest responsive, responsible bidder
- Maintain a proactive asset management program

PROBLEM

The existing VFDs were installed in 1994 and are at the end of their useful service life. Replacement parts and manufacturer support services are no longer available. These VFDs are critical for the operational capacity of the pump station.

PROPOSED SOLUTION

Award the construction contract for Waste Sidestream Pump Station VFD Replacements at Plant No. 1, Project No. FR1-0016, to replace three 60-hp VFDs to maintain operation and reliability of the pump station.

A higher-than-usual contingency is requested due to a higher level of risk associated with replacement of the VFDs and feeder cables. If an unknown condition is encountered and there is insufficient contingency, contract completion could be significantly delayed exposing the Orange County Sanitation District (OC San) to extended overhead costs by the contractor.

TIMING CONCERNS

Delaying replacement of these VFDs increases the risk that the pump station will not have adequate capacity.

RAMIFICATIONS OF NOT TAKING ACTION

Not replacing these VFDs increases the risk that the pump station will not have adequate capacity and that an emergency bypass pumping system might be needed.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

OC San advertised for bids on December 9, 2021 and five sealed bids were received on January 25, 2022. A summary of the bid opening follows:

Engineer's Estimate	\$ 561,382
<u>Bidder</u>	<u>Amount of Bid</u>
Leed Electric, Inc.	\$ 344,889
Baker Electric	\$ 405,460
RP Controls, Inc.	\$ 433,920
ACS Engineering	\$ 443,800
Houalla Enterprises, LTD	\$ 582,438

The bids were evaluated in accordance with OC San's policies and procedures. A notice was sent to all bidders on February 9, 2022, informing them of the intent of OC San to recommend award of the Construction Contract to Leed Electric, Inc. Staff recommends awarding a Construction Contract to the lowest responsive and responsible bidder, Leed Electric, Inc., for a total amount not to exceed \$344,889.

CEQA

The project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations Section 15301. A Notice of Exemption will be filed with the OC Clerk-Recorder after OC San Board of Directors approval of the Construction Contract.

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the OC San Purchasing Ordinance. This recommendation will be funded under the Repairs and Maintenance line item for Operations and Maintenance Department (Budget Update Fiscal Year 2021-2022, Page 45), and the available funding is sufficient for this action.

ATTACHMENT

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

- Construction Contract

RL: jw