

Orange County Sanitation District



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Agenda Report Details (With Text)

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Title: PUMP STATION PORTABLE GENERATOR CONNECTORS, PROJECT NO. FE19-01
Sponsors: Kathy Millea
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Attachments: 1. Agenda Report, 2. FE19-01 Contract Agreement & Exhibit A

Date	Ver.	Action By	Action	Result
9/1/2021	1	OPERATIONS COMMITTEE		

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

SUBJECT:

PUMP STATION PORTABLE GENERATOR CONNECTORS, PROJECT NO. FE19-01

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Receive and file Bid Tabulation and Recommendation for Pump Station Portable Generator Connectors, Project No. FE19-01;
- B. Award a Construction Contract to Pacific International Electric Company, Inc., dba Pacific Industrial Electric, for Pump Station Portable Generator Connectors, Project No. FE19-01, for an amount not to exceed \$1,207,479; and
- C. Approve a contingency of \$120,748 (10%).

BACKGROUND

The Orange County Sanitation District (OC San) operates 15 pump stations as part of its collection system. These pump stations require emergency power during the loss of utility power. Seven of the pump stations include dedicated, on-site standby generators. The remaining eight pump stations have connectors to quickly connect a portable generator.

Pump stations typically have a main switchboard to distribute power, either from Southern California Edison or standby generator, through motor control centers to all the loads in the pump station.

These switchboards require periodic inspection and maintenance that requires them to be de-energized.

RELEVANT STANDARDS

- Comply with California Public Contract Code Section 20103.8, award construction contract to lowest responsive, responsible bidder
- Commitment to safety & reducing risk in all operations

PROBLEM

The current configuration of the Southern California Edison and emergency generator power feeds through the main switchboard do not allow for pump station operation during switchboard inspection and maintenance. The main switchboard must be fully de-energized to perform the required inspection and maintenance.

The current maintenance practice is to by-pass a pump station or do the work at night during low flow periods while carefully monitoring wet well levels and certain low-lying upstream manholes to be sure that no spill occurs. If the level does rise too quickly, the work must be immediately stopped to put the pump station back in service.

PROPOSED SOLUTION

Award a Construction Contract for Pump Station Portable Generator Connectors, Project No. FE19-01 to reconfigure the generator connections to allow pump station operation and switchboard maintenance at the same time. This project will install new generator connectors at 13 of the 15 pump stations. An earlier project installed a portable generator connector at one of the pump stations which is operating satisfactorily, and the other pump station is planned for demolition in the near future.

TIMING CONCERNS

Until these generator connectors are installed, routine switchboard maintenance runs the risk of creating a sewage spill.

RAMIFICATIONS OF NOT TAKING ACTION

Routine maintenance on the main switchboard will continue to be more difficult to perform during the limited low flow windows or with costly by-pass pumping.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

OC San advertised Pump Station Portable Generator Connectors, Project No. FE19-01 for bids on

April 27, 2021, and eight sealed bids were received on June 23, 2021. A summary of the bid opening follows:

Engineer's Estimate Bidder	Amount of Bid
Pacific International Electric Company, Inc., dba Pacific Industrial Electric	\$ 1,207,479
AMTEK Construction	\$ 1,325,333
Metro Builders & Engineers Group, Ltd	\$ 1,384,408
R.I.C. Construction Co., Inc.	\$ 1,400,783
Mass Electric Construction Co.	\$ 1,419,180
Leed Electric, Inc.	\$ 1,877,211
Shimmick Construction Inc.	\$ 1,979,048
R2BUILD, dba R2B Engineering	\$ 2,160,000

The bids were evaluated in accordance with OC San's policies and procedures. A notice was sent to all bidders on July 28, 2021, informing them of the intent of OC San to recommend award of the Construction Contract to Pacific International Electric Company, Inc., dba Pacific Industrial Electric.

Staff recommends awarding a Construction Contract to the lowest responsive and responsible bidder, Pacific International Electric Company, Inc., dba Pacific Industrial Electric, for a total amount not to exceed \$1,207,479.

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 the Sanitation District's Board of Directors approval of the construction contract.

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Budget Update, Fiscal Year 2021-2022, Appendix A, Page A-8, Small Construction Projects Program, Project No. M-FE) and the budget is sufficient for the recommended 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

SP:sa:gc