



# OPERATIONS COMMITTEE

Administration Building  
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## Agenda Report

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**File #:** 2021-1828

**Agenda Date:** 10/6/2021

**Agenda Item No:** 3.

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

**SUBJECT:**

**PLANT NO. 1 BUILDING A FEEDER CABLES REPLACEMENT (MP-337)**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Service Contract to AMTEK Construction for P1 Building A Feeder Cables Replacement (MP-337), for 480V feeder cables, per Specification No. S-2021-1261BD, for a total amount not to exceed \$356,333; and
- B. Approve a contingency of \$35,633 (10%).

**BACKGROUND**

Plant No. 1 Maintenance Building A houses the rebuild shop support facilities and equipment. The rebuild shop is a support function of the Orange County Sanitation District (OC San) where major mechanical equipment such as pumps, valves, and structural components are rebuilt or fabricated. Electrical power to Building A is fed from a power building located within Plant No. 1.

**RELEVANT STANDARDS**

- Protect OC San assets
- 24/7/365 treatment plant reliability
- Maintain a proactive asset management program

**PROBLEM**

Routine predictive maintenance testing discovered that the insulation on the feeder cables for Plant No. 1 Maintenance Building A is failing. The cable was taken out of service to prevent a catastrophic cable failure.

**PROPOSED SOLUTION**

Replace existing feeder cables to restore full utility to the rebuild shop facilities.

**TIMING CONCERNS**

Proceeding in a timely fashion is recommended to prevent operational disruption and delays. Currently, the rebuild shop is running with a lower capacity temporary arrangement using the remaining parallel conductors of the original feed.

**RAMIFICATIONS OF NOT TAKING ACTION**

Not acting will impact the ability of the rebuild shop to overhaul and repair plant assets. There is also a potential for a prolonged outage due to catastrophic cable failure of the remaining cable system. Catastrophic cable failures can damage additional equipment and create more expensive emergency repair situations.

**PRIOR COMMITTEE/BOARD ACTIONS**

N/A

**ADDITIONAL INFORMATION**

OC San advertised for bids on July 21, 2021. Four sealed bids were received on August 24, 2021. The bids were evaluated in accordance with OC San's policies and procedures. Staff recommends awarding a Service Contract to the lowest responsive and responsible bidder, AMTEK Construction.

Summary information on the bid opening is as follows:

<b>Bidder</b>	<b>Amount of Bid</b>
AMTEK Construction	\$356,333
Eco Energy Solution, Inc. dba High Volt Electric	\$481,589
Baker Electric	\$586,675
M. Brey Electric, Inc.	\$617,130

A contingency of 10% is recommended because of the potential of additional repairs discovered during removal and installation of ancillary or adjacent cabling.

**CEQA**

N/A

**FINANCIAL CONSIDERATIONS**

This request complies with authority levels of the OC San's Purchasing Ordinance. This recommendation will be funded under the Repair and Maintenance line item for Plant No. 1 Operations and Maintenance Department (Budget Update - Fiscal Year 2021-2022, Page 45). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
10/27/2021	\$356,333	\$35,633 (10%)

**ATTACHMENT**

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

- Service Contract

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