



# OPERATIONS COMMITTEE

Administration Building  
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## Agenda Report

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**File #:** 2021-1440

**Agenda Date:** 2/3/2021

**Agenda Item No:** 5.

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

**SUBJECT:**

**PLANT NO. 1 BUILDING 5/6 UNINTERRUPTIBLE POWER SUPPLY REPLACEMENT**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Purchase Order Contract for the purchase and installation of a replacement uninterruptible power supply system for Plant No. 1 Building 5/6, using the U.S. Communities Master Agreement No. EV2370, to Graybar Electric for an amount not to exceed \$92,362, plus Sales Tax and Freight (FOB Destination); and
- B. Approve a contingency of \$9,236 (10%).

**BACKGROUND**

The Orange County Sanitation District's (Sanitation District) Building 5/6 contains office space for approximately 60 Maintenance Technicians and staff members. The building is constructed with an uninterruptible power supply (UPS) system to condition power quality and mitigate the impact of momentary or short-duration power interruptions.

**RELEVANT STANDARDS**

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

**PROBLEM**

The existing Building 5/6 UPS system is obsolete, has failed, and is currently operating in bypass mode. This places computer servers and communication networks feeding Building 5/6 at risk of system transients or outages potentially impacting daily operations.

**PROPOSED SOLUTION**

Staff recommends replacing the existing obsolete UPS system and batteries with a new turn-key solution from US Communities/Graybar. The new UPS system will reduce risk of a power related

emergency condition and provide increased reliability and maintainability.

### **TIMING CONCERNS**

Without the replacement UPS system, the daily functioning of Building 5/6 servers and communication networks are prone to interruptions that impact daily operations of staff.

### **RAMIFICATIONS OF NOT TAKING ACTION**

Not taking action will impact the reliability of servers and communication networks in the event of power failure.

### **ADDITIONAL INFORMATION**

The scope of this project covers replacement of the existing Toshiba UPS system including external bypass switches with a new UPS system, batteries, and bypass switches. A 10% contingency has been requested to cover any unforeseen issues during replacement of obsolete equipment.

### **CEQA**

UPS replacement 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 the Sanitation’s Purchasing Ordinance. This recommendation will be funded under the Repair and Maintenance line item for Plant No. 1 Maintenance Department (Budget Fiscal Year 2020-21, Section 6, Page 92). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
02/24/2021	\$92,362	\$9,236 (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:*

N/A

RM:JG:nb:ab:gc