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**File #:** 2025-4434

**Agenda Date:** 9/3/2025

**Agenda Item No:** 6.

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**FROM:** Robert Thompson, General Manager  
Originator: Riaz Moinuddin, Director of Operations & Maintenance

**SUBJECT:**

**SOLE SOURCE PURCHASE OF FARO VANTAGE S6 MAX TRACKER**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order to FARO Technologies. Inc., to purchase a FARO Vantage S6 Max tracker for a total amount not to exceed \$199,433, including sales tax and freight; and
- B. Approve a contingency of \$9,972 (5%).

**BACKGROUND**

The Reliability Maintenance Group at the Orange County Sanitation District (OC San) ensures that all assets, equipment, and systems operate reliably and efficiently throughout their service life, directly supporting operational continuity and infrastructure integrity.

To further enhance these capabilities, the team proposes acquiring the FARO Vantage S6 Max, a state-of-the-art 3D laser measurement device designed for precise, long-range measurements. This advanced tool is ideal for complex alignment, equipment condition monitoring, detailed inspections, and reverse engineering, enabling improved accuracy.

**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**

Current manual measurement methods are labor-intensive and prone to human error. These limitations can result in inaccurate inspections, overlooked defects, diminished quality control, and maintenance that is reactive, rather than preventative.

**PROPOSED SOLUTION**

The FARO Vantage S6 Max offers precise and repeatable 3D scanning, providing accurate and objective data for assessing equipment condition, verifying tolerances, and identifying defects. This capability facilitates timely maintenance decisions and enhances long-term asset reliability.

**TIMING CONCERNS**

The precision 3D scanning capability of the FARO Vantage S6 Max will greatly assist in facilitating accurate installation of complex mechanical equipment currently under construction on several CIP projects.

**RAMIFICATIONS OF NOT TAKING ACTION**

Without access to more advanced measurement tools, staff will continue to rely on manual methods that are more prone to error. While work can still proceed the absence of precision scanning may reduce the installation accuracy, increase the likelihood of undetected issues, and limit opportunities for proactive maintenance planning. Over time, this could lead to higher repair costs, greater downtime, and less efficient resource use.

**PRIOR COMMITTEE/BOARD ACTIONS**

N/A

**ADDITIONAL INFORMATION**

The FARO tracker provides a unique capability, its exclusive scanning method covers large volumes with unmatched accuracy, giving precise data to analyze and correct complex equipment in the field and uses a single, eye-safe Class 1 laser beam for both angle and distance measurements.

**CEQA**

N/A

**FINANCIAL CONSIDERATIONS**

This request complies with the authority levels of the Sanitation District's Purchasing Ordinance. This item has been budgeted (Budget Update FY 2025-26, Capital Equipment Budget Detail, Page A-18) and the budget is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
09/03/2025	\$199,433	\$9,972 (5%)

**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

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