



# OPERATIONS COMMITTEE

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## Agenda Report

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**File #:** 2023-3302

**Agenda Date:** 11/15/2023

**Agenda Item No:** 10.

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

**SUBJECT:**

**TRUCK LOADING SCALE REPLACEMENT AT PLANT NO. 2**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION:

- A. Approve a Sole Source Services Contract to Mettler Toledo, LLC for Truck Loading Scale Replacement at Plant No. 2, Specification No. MP2-014, for a total amount not to exceed \$478,385 including applicable sales tax and freight; and
- B. Approve a contingency of \$95,677 (20%).

**BACKGROUND**

The Orange County Sanitation District (OC San) manages biosolids, which consist of the nutrient-rich organic matter (biosolids) recovered through the wastewater treatment process that are beneficially used offsite (recycled), in accordance with all local, state, and federal regulations and best management practices.

The Plant No. 2 Truck Loading Facility consists of two (2) Mettler Toledo Scales that were installed in 2000 (Job No. P2-60). The purpose of the Plant No. 2 Truck Loading Facility is to store biosolids and load the biosolids into trailers where they are trucked offsite for beneficial reuse. There are two truck loading bays, with scales in each bay, that are part of an automated system for loading trucks.

The Truck Loading Facility and scales ensure trailers are loaded with the appropriate amount of biosolids and are accurately weighed. The scales operate in a harsh environment and, over the years, the scales have become corroded underneath the platform and thinning of the cover plates.

**RELEVANT STANDARDS**

- Commitment to safety & reducing risk in all operations
- Maintain a proactive asset management program
- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard

## **PROBLEM**

The Plant No. 2 Truck Loading Facility scales are approaching the end of their useful life and the structural integrity and accuracy of the scales are at risk of failure.

## **PROPOSED SOLUTION**

Replace the existing Truck Loading Scales with the proposed direct replacement concrete deck scales from the original equipment manufacturer (OEM), Mettler-Toledo, LLC. The direct replacement scales will minimize additional costs associated with any modifications, re-engineering, and excess system downtime due to changes in technology, process control system compatibility, and engineered space.

## **TIMING CONCERNS**

The Plant No. 2 Truck Loading Scales are critical for the proper and efficient loading of trucks for biosolids removal and reuse. Failure of the scales will negatively impact biosolids reuse at Plant No. 2.

## **RAMIFICATIONS OF NOT TAKING ACTION**

Failure to act increases the operating risk of a critical process, potentially reduces solids handling storage capacity, and impacts reliable operation of the Plant No. 2 Truck Loading Facilities.

## **PRIOR COMMITTEE/BOARD ACTIONS**

N/A

## **ADDITIONAL INFORMATION**

The existing Plant No. 2 Truck Loading scales are over 20 years old and are approaching the end of their useful life. A complete assessment of the scales is not possible without taking the equipment out of service for an extended period. A 20% contingency is requested to account for potential unknown conditions during removal and installation of the new scales.

## **CEQA**

N/A

## **FINANCIAL CONSIDERATIONS**

This request complies with authority levels of OC San's Purchasing Ordinance. The recommendation will be funded under the Repairs and Maintenance line item for Plant No. 2 Operations and Maintenance Department (Budget Update Fiscal Year 2023-24, Page 39). The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
11/15/2023	\$478,385	\$95,677 (20%)

**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:*

- Services Contract (appendices to the Scope of Work are on file in the Clerk of the Board's office)
- Presentation