



OPERATIONS COMMITTEE

Agenda Report

Headquarters
18480 Bandilier Circle
Fountain Valley, CA 92708
(714) 593-7433

File #: 2025-4475

Agenda Date: 10/1/2025

Agenda Item No: 2.

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

SUBJECT:

PROCUREMENT OF COOPER LSVB INTAKE MANIFOLDS

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Sole Source Purchase Order to Cooper Machinery Services LLS for the procurement of two spare air intake manifolds for the Central Generation engines at Plant No. 2, for a total amount not to exceed \$232,734, including applicable sales tax & freight; and
- B. Approve a contingency of \$23,274 (10%).

BACKGROUND

The Orange County Sanitation District (OC San) operates five clean-burn internal combustion engines that generate electricity at the Plant No. 2 Central Generation (Cen Gen) facility. Cen Gen also provides process heat to the digester complex at Plant No. 2. The engines play a vital role in emissions reduction and South Coast Air Quality Management District (SCAQMD) permit compliance by utilizing methane gas produced during the wastewater treatment process.

To maximize efficiency and meet emission requirements, Cen Gen components must meet specifications set by the original equipment manufacturer (OEM). The air intake manifolds are critical components and spares must be inventoried for continued reliable operation. Air intake manifolds are an integral part of the engine, providing proper air flow into the combustion chambers for proper fuel consumption. Loss of airflow will create an engine imbalance and cause emission violations.

RELEVANT STANDARDS

- 24/7/365 treatment plant reliability
- Maintain a proactive asset management program
- Operate and maintain facilities to minimize impacts on surrounding communities including odor, noise and lighting

PROBLEM

OC San currently does not have any spare air intake manifolds in inventory for the Plant No.2 Cen

Gen engines. The existing manifolds have experienced wear and have undergone minor crack repairs.

PROPOSED SOLUTION

Approve a Sole Source Purchase Order to procure two spare LSVB Air Intake Manifolds for the Cooper Bessemer engines at Plant No. 2 to maintain asset availability and minimize process downtime.

TIMING CONCERNS

N/A

RAMIFICATIONS OF NOT TAKING ACTION

Failure to maintain adequate spare parts in inventory could result in extended equipment downtime, affecting electrical power reliability and potentially impair OC San's ability to maintain operational permit limits.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Cooper Machinery Services LLC is a Board of Directors approved OEM vendor for all Cen Gen engine components. A 10% contingency is requested in the event of pricing changes due to tariffs, delays in placing the order beyond valid quote dates, or other unforeseeable changes.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Budget Update FY 2025-26, Page A-18, Lines 870 and 880 Plant Nos. 1 & 2 Maintenance) and the budget is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
10/01/2025	\$232,734	\$23,274 (10%)

ATTACHMENT

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

N/A

RM:ls