

Cen Gen Engine No. 1 Inspection and Repairs, Specification No. BSS-2026-728BD

Riaz Moinuddin,
Director of Operations & Maintenance

Operations Committee
April 1, 2026

OC SAN
ORANGE COUNTY SANITATION DISTRICT

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CEN GEN ENGINES

Provide heating for digesters and generate power for the treatment plant.

On January 27, 2026, Engine No. 1 had a premature failure on cylinder 3 right (3R).



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Piston damage from previous failure in 2018



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Cylinder wall Damage (2018)



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Initial inspections with a borescope on Engine No. 1 cylinder 3R show similar damage to one cylinder.

Scope of work is to repair one piston/cylinder assembly and verify extent of damage.



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Recommendation

Recommend to the Board of Directors to:

- A. Approve a Sole Source Service Contract with Cooper Machinery Services LLC for inspection and field service repairs to Central Generation (Cen Gen) Engine No. 1, Specification No. BSS-2026-728BD, for a total amount not to exceed \$142,923, plus applicable sales tax and freight; and
- B. Approve additional allowance funding not to exceed \$120,000 for associated repairs that may be required due to the high potential for additional damage identified during disassembly and inspection.

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