

GAS TURBINE BLADE AND BUSHING MAINTENANCE ON RIVERSIDE ENERGY RESOURCE CENTER UNITS 3 AND 4

Riverside Public Utilities

Board of Public Utilities

June 8, 2026

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BACKGROUND

Riverside Energy Resource Center (RERC)

1. 196 MW - Four General Electric (GE) LM6000 gas turbine engines
2. Units 1 & 2 Commissioned in 2006
3. Units 3 & 4 Commissioned in 2011
4. Provide up to 30% of Riverside's daily electric power demands during summer months
5. Availability is critical to ensuring RPU can meet minimum electricity demand and reliability needs



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BACKGROUND CONT.

1. Annual Inspection Findings and Recommendations
 - a. Stage 1 High-Pressure Compressor Blades (Unit 4)
 - Excessive wear observed → High risk of failure and potential downstream damage
 - b. Variable Bleed Valve (VBV) Bell Crank Bushings (Units 3 & 4)
 - Abnormal movement and wear → Impacts airflow control and stable operation
2. Wear is consistent with long-term operation (over 15 years) and normal maintenance cycles
3. Replacement and maintenance of the Stage 1 HPC blades on Unit 4 and VBV bell crank bushings on Units 3 and 4 is necessary to maintain safe and reliable operations and to avoid catastrophic failures, costly repairs, and unplanned outages

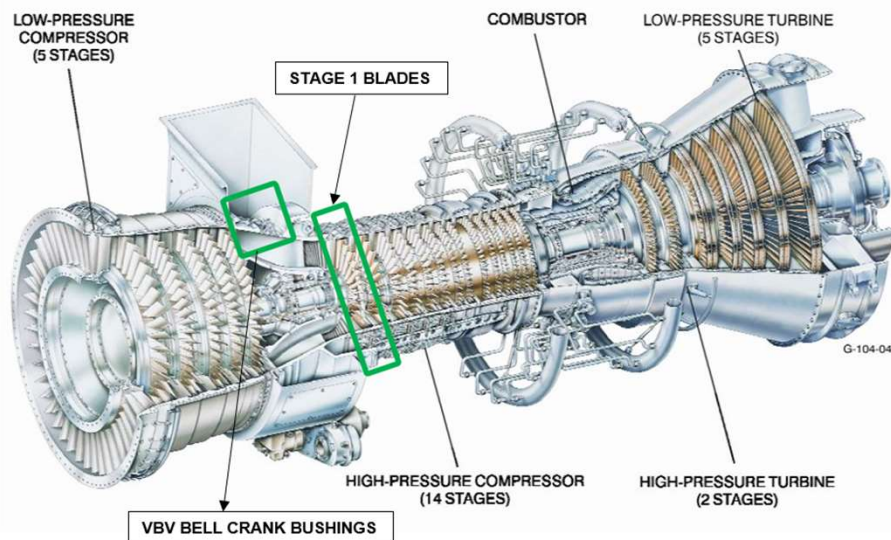


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BACKGROUND CONT.



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DISCUSSION – RFP 2536

1. RFP posted from January 26, 2026, and closed on February 19, 2026
 - a. 15 vendors notified via PlanetBids
 - b. 8 prospective bidders downloaded RFP documents
 - c. Only 4 authorized vendors worldwide (Germany, Japan, Canada, U.S.)
 - d. All authorized vendors included in RFP notification
 - e. One proposal received from GE Vernova Inc.

2. GE Vernova Inc. proposal
 - a. Competitive pricing
 - b. OEM and meets Riverside's scheduling requirements

Vendor	Location	Amount	Rank
GE Vernova Inc.	Cambridge, MA	\$351,184.35	1



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve Services Agreement with GE Vernova Inc. of Cambridge, MA, from Request for Proposal No. 2536, to perform gas turbine blade and bushing maintenance on Riverside Energy Resource Center Units 3 and 4, for a term commencing on May 1, 2026, through July 1, 2027, in the amount of \$351,184.35; and

2. Authorize the City Manager, or his designee, to execute the Services Agreement with GE Vernova Inc., including making non-substantive changes.



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