

GAS TURBINE REPAIR ON RERC UNIT 3

Riverside Public Utilities

Board of Public Utilities
May 11, 2026

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BACKGROUND

Riverside Energy Resource Center (RERC)



- Four GE LM6000 Gas Turbines
- Produce approximately 198MW of efficient power
- Critical to meeting electricity demands during peak periods
- 15 and 20 years of operation at very high speeds and extreme temperatures
- More complex and intrusive routine maintenance is necessary to maintain high reliability

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BACKGROUND

1. December 8, 2025 – Board of Public Utilities approved Services Agreement with GE Vernova Operations, LLC. for gas turbine rotatable component exchanges at RERC for a 5-year term
2. Reduces reliance on emergency procurement, can be applied to any of the four turbines, secured preferred pricing, guaranteed repair time of 7 months



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DISCUSSION

1. During the annual borescope inspection of Unit 3, GE field technicians detected deficiencies with the combustor
 - a. Findings were sent to GE Senior Engineers for a more detailed evaluation
2. On December 16, 2025 – GE determined the combustor was unserviceable
 - a. Replacement was recommended to prevent risk of potential catastrophic failure
 - b. Existing combustor has been in service for over 20 years

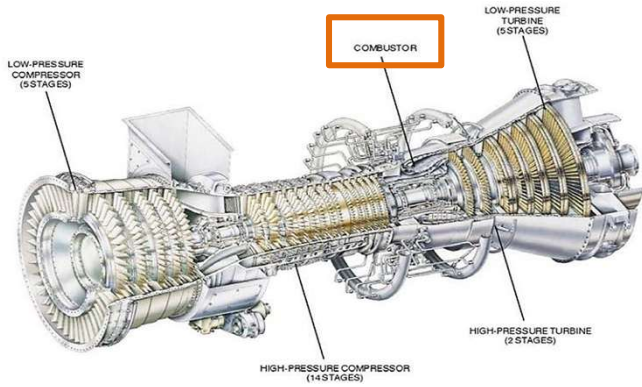


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DISCUSSION



1. Rotable combustor included in the agreement
2. GE confirmed availability
3. Repair scheduled for Feb. 2026
4. Cost consistent with agreed upon pricing

Item	Price
Combustor	\$476,657.00
Consumables	\$141,677.00
Sales Tax (8.75%)	\$54,104.23
Field Services	\$181,629.00
Total	\$854,067.23



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DISCUSSION – TIMELINE OF REPAIRS

Date	Action
December 16, 2025	Final determination of unserviceable status GE confirmed availability of a combustor
February 9, 2026	Unit 3 placed in outage to prepare for removal
February 12, 2026	GE technicians arrived on site to start the turbine removal process
February 13, 2026	GE removed Unit 3 and transported it to GE Maintenance Facility
February 17, 2026	Repairs were completed and the Unit was shipped back to RERC
February 20, 2026	Unit 3 was installed and placed back into operational status



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RECOMMENDATION

That the Board of Public Utilities receive and file an update of the gas turbine repairs on Unit 3 at Riverside Energy Resource Center.



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