

AGREEMENT WITH CORMETECH, INC. TO PERFORM SELECTIVE CATALYTIC REDUCTION MAINTENANCE ON RERC UNITS 3 AND 4

Public Utilities Department

Board of Public Utilities
July 11, 2022

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BACKGROUND

Riverside Energy Resource Center Units 3 and 4 (RERC 3&4)

1. Commissioned in April 2011
2. Provide 96 megawatts
3. Must comply with stringent air emissions regulations

Selective Catalytic Reduction (SCR)

1. Reduces 90% of NOx emissions
2. Maintenance required as part of normal operations
3. Vital for environmental compliance
4. Best available technology installed



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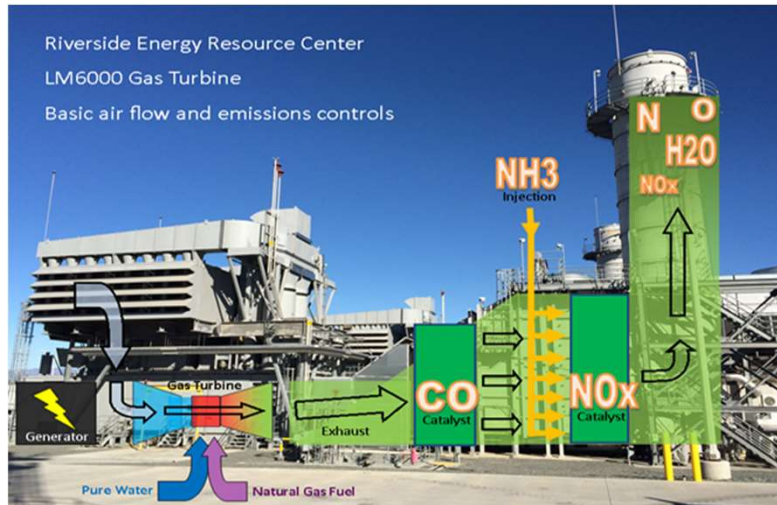
BACKGROUND – EMISSIONS FLOW PATH



**Entering
SCR**

NO_x
emissions

~25
parts per
million



**Exiting
SCR**

NO_x
emissions

<2.3
parts per
million

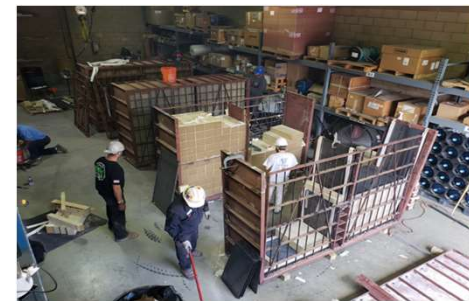
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DISCUSSION



1. Numerous elements make-up the SCR
2. Shift during normal operations resulting in leakage of NO_x
3. Eight modules per unit
4. Removal, disassembly and module rebuild required
5. Vital for environmental compliance



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DISCUSSION

Single Source ~ Cormetech

1. Only vendor that readily meets Riverside's requirements
2. Original Equipment Manufacturer (OEM) - proprietary knowledge
3. Maintenance requires factory trained technicians
4. Only source for replacement parts - SCR elements and improved sealing material
5. Negotiated price - \$150,000 cost savings
6. Purchasing Resolution No. 23812, Section 602(d) provides an exception to formal and informal procurement when the procurement can only be obtained timely from a single source and the Manager is satisfied that the best price, terms, and conditions for the procurement have been negotiated.



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STRATEGIC PLAN ALIGNMENT

 **Priority #4 - Environmental Stewardship**

 **Priority #5 - High Performing Government**

 **Priority #6 - Infrastructure, Mobility & Connectivity**

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the Riverside Board of Public Utilities:

1. Approve an agreement with Cormetech, Inc. of Durham, North Carolina to perform selective catalytic reduction maintenance on Riverside Energy Resource Center Units 3 and 4 for \$288,900; and
2. Authorize the City Manager, or designee, to execute the agreement with Cormetech, Inc. including making minor and non-substantive changes.



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