

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: AUGUST 24, 2026

SUBJECT: SERVICES AGREEMENT TO REQUEST FOR PROPOSAL NO. 2541 WITH JT THORPE & SON, INC. OF LA MIRADA, CALIFORNIA TO PERFORM MAINTENANCE SERVICES ON THE HEAT RECOVERY STEAM GENERATOR AT THE CLEARWATER POWER PLANT IN THE AMOUNT OF \$102,600

ISSUE:

Consider approving the Services Agreement to Request for Proposal No. 2541 with JT Thorpe & Son, Inc. of La Mirada, California to perform maintenance services on the Heat Recovery Steam Generator at the Clearwater Power Plant in the amount of \$102,600.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve the Services Agreement to Request for Proposal No. 2541 with JT Thorpe & Son, Inc. of La Mirada, California to perform maintenance services on the Heat Recovery Steam Generator at the Clearwater Power Plant in the amount of \$102,600; and
2. Authorize the City Manager, or designee, to execute the Services Agreement with JT Thorpe & Son, Inc., including making non-substantive changes.

BACKGROUND:

The Clearwater Power Plant (Clearwater) was originally commissioned in 2005 and was acquired by the City of Riverside Public Utilities in 2010. Clearwater is a combined cycle power plant that uses both gas and steam turbines together to produce 30-megawatts of electricity. The waste heat from the 22-megawatt gas turbine is captured and sent to the steam turbine to generate an additional 8-megawatts of electricity without requiring additional fuel.

A key component of the combined-cycle system is the Heat Recovery Steam Generator (HRSG), which serves as the link between the gas turbine and the steam turbine. The primary function of the HRSG is to capture the hot exhaust gases produced by the gas turbine and utilize the thermal energy to generate high-pressure steam. This steam is then used to drive the steam turbine, producing electricity without the need for additional fuel.

Due to the extreme operating temperatures with the HRSG, signs of heat-related deterioration were observed on the exterior surfaces, as shown in the following images:



Over time, these high temperatures cause the insulation materials to deteriorate, resulting in heat loss and reduced system efficiency. To identify and assess the extent of these deficiencies, a thermographic inspection was conducted. The inspection revealed fourteen (14) areas exhibiting elevated surface temperatures, indicating potential insulation failure and the need for repair. Each area identified was categorized as “Important” or “Serious” depending on the severity.

Continuing to operate the HRSG without addressing these areas of excessive heat poses a significant risk to its structural integrity, operational reliability, and long-term performance. If left uncorrected, the deteriorated insulation and resulting hot spots may lead to severe equipment damage, costly emergency repairs, and unplanned outages. Performing this maintenance work now will mitigate these risks, help ensure safe and reliable operation, and avoid more extensive and costly repairs in the future. Having been in service since 2005, this maintenance effort is essential to ensure the plant operates reliably until its scheduled retirement in 2040.

DISCUSSION:

Purchasing Overview

On February 25, 2026, the City’s Purchasing Division (Purchasing), on behalf of Riverside Public Utilities (RPU), issued Request for Proposals (RFP) No. 2541 on PlanetBids seeking prospective proposers to provide HRSG insulation maintenance services.

The solicitation notification is summarized in the table below:

Action	Number of Vendors
External Vendors Notified	0
City of Riverside Vendors Notified	52

Vendors who downloaded the RFP	14
Proposals received	1

A non-mandatory pre-proposal meeting was held on March 10, 2026, with two (2) prospective bidders in attendance. A total of one (1) question was received from the prospective proposers, and one (1) addendum was received. RFP No. 2541 closed on April 2, 2026, with one (1) response received. Purchasing distributed a questionnaire to prospective proposers to gather feedback on why they downloaded the RFP but ultimately chose not to submit a proposal. The City received responses such as “not a good fit for my company,” “too small of a scope,” and company “could not meet the full scope within the specified timeline.” The one proposal received was found to be responsive to the minimum requirements.

The evaluation criteria, total points, and rankings for each evaluation round are summarized in the tables below. Under the guidance of Purchasing, RPU staff evaluated the one (1) proposal submitted by JT Thorpe & Son, Inc. and determined the proposal met the qualifications and experience requirements needed to meet Clearwater’s tight outage schedules and repair timelines.

Round 1 – Evaluation Criteria

Evaluation Criteria	Total Points
Qualifications, Experience and References	35%
Approach and Methodology	35%
Pricing	30%

Round 1 – Evaluation Results

Vendor	Location	Proposed Cost	Evaluation Scores	Rank
JT Thorpe & Son, Inc.	La Mirada, CA	\$102,600.00	825.00	1

The proposed cost includes the repair of all fourteen (14) deficiencies identified in the thermographic inspection report, as well as the replacement of the deteriorated HRSG expansion joint. A summary of the proposed costs for these repairs is provided in the table below:

Proposal Cost Summary

Item	Proposed Cost
“Serious” Severity	\$42,300
“Important” Severity	\$34,500
Expansion Joint Replacement	\$23,300
Post-Repair Thermographic Inspection	\$2,500
Total	\$102,600

This action is pursuant to Purchasing Resolution 24101, Section 508 (c) which states, “Contracts procured through Formal Procurement shall be awarded by the Awarding Entity to the Lowest Responsive and Responsible Bidder, except that...(c) Contracts procured through Formal Procurement for Services or Professional Services, where a Request for Proposals or Request for Qualifications was used to solicit Bids, shall be awarded by the Awarding Entity in accordance with the evaluation criteria set forth in the Request for Proposals or Request for Qualifications...”

The Purchasing Manager concurs that the recommended action is compliant with Purchasing Resolution 24101.

FISCAL IMPACT:

The total fiscal impact is \$102,600. Sufficient funds are available in Electric Fund Public Utilities Clearwater Generating Plant Maintenance Account No. 6120140-424131.

Prepared by:	Scott Lesch, Utilities Assistant General Manager/Power Resources
Approved by:	David A. Garcia, Utilities General Manager
Certified as to availability of funds:	Julie Nemes, Finance Director
Approved by:	Gilbert Hernandez, Assistant City Manager
Approved as to form:	James Johnson, City Attorney

Attachments:

1. Services Agreement with JT Thorpe & Son, Inc.
2. Award Recommendation
3. Presentation