



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: NOVEMBER 18, 2024**

**SUBJECT: BID NO. RPU-8079 - SERVICE AGREEMENT WITH INLAND ELECTRIC INC. OF RIVERSIDE, CALIFORNIA, FOR THREE (3) RADIO SITES STANDBY GENERATOR REPLACEMENT PROJECT, IN THE AMOUNT OF \$213,997; WORK ORDER NO. 2311805 FOR A TOTAL EXPENDITURE OF \$271,000**

**ISSUES:**

Consider approval of a Service Agreement with Inland Electric Inc. of Riverside, California, to Bid No. 8079 for the replacement of one standby generator per site at the Box Springs, Orange Terrace, and Tilden radio sites, in the amount of \$213,997.00; and approve Work Order No. 2311805 for a total capital expenditure of \$271,000.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Approve a Service Agreement with Inland Electric Inc of Riverside, California, to Bid No. 8079 for the three (3) Radio Sites Standby Generator Replacement Project, in the amount of \$213,997;
2. Approve the capital expenditure for Work Order No. 2311805 in the amount of \$271,000 for the three (3) Radio Sites Standby Generator Replacement Project; and
3. Authorize the City Manager, or designee, to execute any documents necessary to effectuate the procurement described herein, as well as the ability to make minor non-substantive changes in alignment with all purchasing policies.

**BACKGROUND:**

Radio sites are critical infrastructure for electrical utilities, serving as the backbone for reliable communication between field operations, control centers, and emergency response teams. These sites ensure seamless coordination, especially during outages, equipment failures, or severe weather events. Maintaining uninterrupted communication is vital for ensuring grid stability, timely response, and overall operational efficiency.

To guarantee continuous operations at these radio sites, standby generators are essential. Backup power ensures that even in the event of a primary power failure, these communication hubs remain functional, allowing the utility to manage grid reliability and restore power quickly to

affected areas.

The current standby generators at Box Springs, Orange Terrace, and Tilden radio sites were installed in 2001 and have a typical service life of 20 years. Now exceeding their expected lifespan, these generators have begun to show signs of wear, including unreliable startups and deteriorating performance. Maintenance costs have risen and the risk of prolonged outages during critical situations has increased.

Given the importance of uninterrupted communication for utility operations, replacing these aging generators is essential. New, reliable backup generators will not only address the current maintenance concerns but also ensure long-term operational security, reduce the risk of failure during emergencies, and minimize the costs associated with future repairs.



*Existing Generator at Orange Terrace Radio Site*

**DISCUSSION:**

As part of Riverside Public Utilities (RPU) ongoing efforts to modernize and replace aging infrastructure, RPU plans to replace the standby generators at the Box Springs, Orange Terrace, and Tilden radio sites. The project will include the installation of three (3) new standby generators, three (3) automatic transfer switches, fuel regulators, and all associated wiring. Additionally, the scope of work includes the removal, hauling, and proper disposal of the old equipment and repairs to the concrete pads where necessary.

On July 17, 2024, the City’s Purchasing division, on behalf of RPU, released Bid No. 8079 on the City’s Online Bid System, PlanetBids. The bid’s notification summary and bid actions are detailed in the following table:

Action	Number of Vendors
External Vendors Notified	500
City of Riverside Vendors Notified	573
Prospective Bidders who downloaded the RFP	71
Questions & Answers Released	26
Addenda Released	5

On August 14, 2024, RPU scheduled a non-mandatory, pre-bid job walk at the three (3) radio site locations with 16 in attendance. On September 11, 2024, the City received seven (7) bids in response to Bid No 8079. Staff reviewed all bids for responsiveness, and deemed Inland Electric Inc., of Riverside, CA to be the lowest responsive and responsible bidder. The bid’s results are summarized in the table below:

Vendors	City Location	Bid Amount	Rank
<b>Inland Electric Inc</b>	<b>Riverside, CA</b>	<b>\$213,997.00</b>	<b>1</b>
Metrocell Construction Inc.	Ontario, CA	\$286,248.00	2
Pramira, Inc.	Brea, CA	\$324,020.06	3
Sharp Industries LLC	Riverside, CA	\$358,700.00	4
M. Brey, Inc.	Beaumont, CA	\$500,804.44	5
MC Electric	Chino, CA	\$606,070.00	6
Mel Smith Electric	Stanton, CA	\$668,000.00	7

➤ *Engineer's Estimate* \$152,000,000

Purchasing Resolution 24101, Section 508 Awards states, “Contracts procured through Formal Procurement shall be awarded by the Awarding Entity to the Lowest Responsive and Responsible Bidder.”

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 24101.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown			
Work Type:	Performed By:	Cost	Percentage
Project Management and Engineering	RPU Engineering Staff	\$12,000	4%
Procurement, Installation, Testing, and Commissioning	Contractor	\$213,997	79%
Site Access and Inspection	RPU Operations Group	\$23,603	9%
Contract Contingency		\$21,400	8%
<b>Work Order Total:</b>		<b>\$271,000</b>	<b>100%</b>
<b>Anticipated Start Date:</b>		<b>Feb 2025</b>	
<b>Anticipated Completion Date:</b>		<b>June 2025</b>	

The construction and supply of materials for the project will be handled entirely by the contractor. RPU's engineering staff will oversee the project, managing key aspects such as responding to Requests for Information (RFIs) and ensuring the accuracy of as-built drawings. RPU field personnel will be responsible for providing daily site access and conducting inspection services

throughout the project to ensure compliance with standards and project specifications.

**STRATEGIC PLAN ALIGNMENT:**

This item contributes to Strategic Priority No. 6 Infrastructure, Mobility and Connectivity and Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City’s built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – Planned replacement of deteriorating infrastructure with equipment that complies with current standards will improve safety and reliability of the electric system is a prudent and responsible action that helps build community trust and results in the greater public good. A collaborative and efficient approach has been used to replace the aging electric infrastructure to minimize potential disruptions to our customers during construction.
2. **Equity** – The replacement of the standby generators has been established based on engineering planning and operational criteria, with equitable distribution of services to ensure every member of the community has equal access to share the benefits of community progress.
3. **Fiscal Responsibility** – This item represents fiscal responsibility by identifying and replacing aging infrastructure, providing optimal electrical system reliability, safety, and efficiency, and reducing potential equipment and system failures and overall operational costs. The lowest price for the replacement units and thereby the best value for RPU' s customers was ensured through a competitive bidding process.
4. **Innovation** – A collaborative and innovative approach will be used to maintain and manage facilities in such a way to minimize potential disruptions to RPU resources in order to maintain customer satisfaction.
5. **Sustainability & Resiliency** – RPU is committed to meeting the needs of the present without compromising the needs of the future and ensuring the City’s capacity to persevere, adapt and grow during good and difficult times alike. This project ensures RPU’s reliability and resiliency during emergency events and is using industry best practice for providing a safe and reliable electric grid.

**FISCAL IMPACT:**

The total fiscal impact is \$271,000. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130000-470664.

Prepared by:	Daniel Honeyfield, Utilities Assistant General Manager/Energy Delivery
Approved by:	David A. Garcia, Utilities General Manager
Certified as to availability of funds:	Kristie Thomas, Finance Director/Assistant Chief Financial Officer
Approved by:	Rafael Guzman, Assistant City Manager
Approved as to form:	Jack Liu, Interim City Attorney

Attachments:

1. Project Site Map
2. Bid Award Recommendation
3. Presentation