



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 9, 2024

SUBJECT: APPROVE THE PROCUREMENT OF A SECTION 404 UTILITIES EXCEPTION ITEM - UNINTERRUPTIBLE POWER SUPPLY (UPS) UPGRADE WITH CAMALI CORPORATION, TO REPLACE AN OLD UNINTERRUPTIBLE POWER SUPPLY AT UOC; WORK ORDER NO 2429528 IN THE AMOUNT OF \$143,163

ISSUE:

Consider approving the procurement of a Section 404 Utilities Exception Item – Uninterruptible Power Supply Upgrade with Camali Corporation, to replace an old UPS at UOC, in the amount of \$143,163.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve procurement of a Section 404 Utilities Exception Item – Uninterruptible Power Supply Upgrade with Camali Corporation, to replace an old UPS at UOC, in the amount of \$143,163; and
2. Authorize the expenditure in the amount of \$143,163 for the UPS upgrade from the Public Utilities Electric Capital Account No. 6130200-470826.

BACKGROUND:

In 2008, Riverside Public Utilities (RPU) installed an uninterruptible power supply (UPS) at the Utilities Operations Center (UOC), which was crucial for maintaining continuous operation of our systems during power disruptions, protecting against outages, voltage fluctuations, and power surges to ensure uninterrupted power flow to our critical equipment. However, this UPS has been in service for 16 years, in which time it has become outdated and increasingly difficult to maintain. Since it is prone to failures and is no longer supported by the manufacturer, it poses significant risks to critical operations at the UOC.

Upgrading to a modern UPS system will mitigate these risks, ensuring reliable power backup and minimizing disruptions to continuous operation of our systems.

DISCUSSION:

Upgrading to a new and modern UPS enhances Electric Operation’s service continuity and resilience by minimizing downtime from unexpected power disruptions, ensuring uninterrupted operation of critical facilities like the UOC Datacenter, Grid Control Center, and SCADA Department. Investment in a new UPS will improve reliability by reducing the likelihood of failure associated with the older UPS system in use. Additionally, modern UPS systems offer higher energy efficiency, which helps in reducing operational costs and aligning with sustainability objectives.

To acquire the UPS, an informal Request for Quotation (RFQ) No. 874 process was conducted in accordance with the Utility Exception list referenced in Section 404 of City Purchasing Resolution 24101. Three vendors capable of meeting the procurement requirements were selected and asked to provide quotations. Ultimately, the vendor providing the most advantageous pricing was selected.

VENDOR	CURRENT MODEL	REPLACEMENT MODEL	QUOTE TOTAL WITH TAX
Camali Corp	Powerware 9390	Liebert EXM Single Module UPS System	\$143,163.00
Franco Electric	Powerware 9390	Liebert EXM Single Module UPS System	\$144,731.00
Delta Power Inc,	Powerware 9390	Liebert EXM Single Module UPS System	\$152,571.00

Configuration tasks, including setup and integration, will be managed by the vendor to ensure optimal performance and functionality of the UPS system post-installation. Ultimately, the goal is to fortify Electric Operations against unforeseen disruptions, safeguarding operational integrity, and maintaining high levels of customer satisfaction.

Purchasing Resolution No. 24101, Article Four: Informal Procurement, Section 404, Utilities Exceptions which provides that “The Water, Electric and Sewer Utilities have a need for compatibility within their respective systems for uniform operation, maintenance and replacement, and this need can be met by procuring certain supplies, equipment, and materials supplies through Informal Procurement or Negotiated Procurement. If it appears to the Manager to be in the best interest of overall economy and efficiency of the City to do so, and it is within existing budget appropriation, the following supplies, equipment, and materials are determined to be peculiar to the needs of the Water Utility, the Electric Utility, and the Sewer Utility and may be acquired by Informal Procurement or Negotiated Procurement, regardless of their estimated Procurement expenditure amounts, provided that the City’s Board of Public Utilities or City Council shall have approved the proposed acquisition if required under the provisions of the City Charter, either by approval of the procurement contract or approval of annual purchase orders”..

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 24101, Section 404.

STRATEGIC PLAN ALIGNMENT:

This item contributes to Strategic Priority No. 6 Infrastructure, Mobility and Connectivity and Goal

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** – RPU is committed to the highest quality water and electric services at the lowest possible rates to benefit the community. This procurement helps ensure that we have up-to-date technology to continue delivering safe and reliable service to our customers.
2. **Equity** – An upgraded modern UPS system is essential for maintaining continuous operation of critical systems responsible for the delivery of reliable power thereby ensuring equitable distribution of services to every member of the community so that all have equal access to share the benefits of community progress.
3. **Fiscal Responsibility** – A reliable UPS system protects against outages, voltage fluctuations, and power surges to ensure uninterrupted power flow to our critical equipment, therefore keeping operating costs low for the utility and customers.
4. **Innovation** – This procurement ensures that RPU’s most critical systems are protected against unexpected power disruptions with the most current technology available.
5. **Sustainability & Resiliency** – This procurement ensures RPU’s service continuity and resilience. A modern UPS also offers higher energy efficiency which helps in reducing operational costs and aligning with sustainability objectives.

FISCAL IMPACT:

The total fiscal impact is \$143,163. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130200-470826.

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 Lim, Interim City Attorney

Attachment: Presentation