Server and License Procurement Project

Riverside Public Utilities

Board of Public Utilities
April 28, 2025

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BACKGROUND

Server and License Procurement

1. **HVAC malfunction and Server Failure:** In November 2024, the UOC Datacenter air conditioning system malfunctioned, which ultimately caused the failure of four (4) servers that support the Electric SCADA system.

2. **Support for PI System:** Two (2) additional servers are needed to support the PI system, which is used by RPU's planning department for storing and analyzing SCADA system data, ensuring operational continuity.

3. **Procurement of New Servers and Licenses:** RPU will purchase six (6) new servers and associated software licenses to replace the failed units and accommodate SCADA integration with PI.

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DISCUSSION

1. **Restoration of Critical Functions:** New servers will restore essential operations and ensure the continued reliability of RPU's infrastructure by replacing outdated hardware and updating necessary licenses.

2. **Cost-Effective Procurement:** The CDW-G contract will be utilized to secure the lowest cost for both hardware and software, ensuring competitive pricing.

3. **Configuration, Testing, and Installation:** RPU staff will configure, test, and validate the new equipment in a secure environment before installing it in the data center for seamless integration with existing systems.

4. **The competitive bidding process** was waived for server and license procurement through CDW-G, as per Purchasing Resolution 24101 Section 602(f), allowing cooperative purchasing under public entity pricing contracts or agreements; CDW-G specializes in technology solutions for government, educational, and non-profit sectors.

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HPE PROLIANT DL380 GEN11

Quick Tech Specs
- **Processor:** It can handle powerful Intel processors, allowing for fast and efficient performance with up to 60 cores.
- **Memory:** It can store and quickly access up to 3 terabytes of memory, which helps the server run many tasks at once.
- **Storage:** It offers a lot of space for data, supporting up to 12 large or 24 smaller hard drives.
- **Networking:** The server has flexible options for connecting to the internet and other systems, with support for different speeds (1Gb, 10Gb, 25Gb, and 100Gb).

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STRATEGIC PLAN ALIGNMENT

Strategic Priority 6 - Infrastructure, Mobility and Connectivity

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.

Cross - Cutting Threads

Community Trust   Equity   Fiscal Responsibility

Innovation   Sustainability & Resiliency

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RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve the expenditures of $257,037, for the procurement of servers and licenses from Computer Discount Warehouse - Government to replace four (4) failed units at Utilities Operations datacenter and two (2) units to support PI on the new Supervisory Control and Data Acquisition system; and

2. Approve Work Order No. 2517602 in the amount of $257,037, with a 10% contingency in the amount of $25,703, for a total amount of $282,741.

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