SCADA Network Upgrade Procurement Project

Riverside Public Utilities

Board of Public Utilities
August 12, 2024

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BACKGROUND

Electric Supervisory Control and Data Acquisition Network Upgrade Procurement (Electric SCADA)

1. **Key operational tool** for safe and reliable operation of RPU's electric grid

2. **Frequent updates necessary** to maintain system performance, cyber security, and functionality

3. **Requires continuous software support** and RPU is ready to procure the ancillary networking infrastructure needed to exchange data between our secure substations and the City's corporate environment.

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DISCUSSION

The Electric SCADA Network Upgrade Procurement consists of three key actions:

1. The Electric SCADA network infrastructure procurement will bring the system up to date with the latest release of the hardware and associated software.

2. RPU is utilizing the National IPA contract to receive the lowest cost on the hardware and software.

3. RPU staff will procure, configure, and test the new equipment in a secure environment so it can be integrated with our upgraded SCADA application.
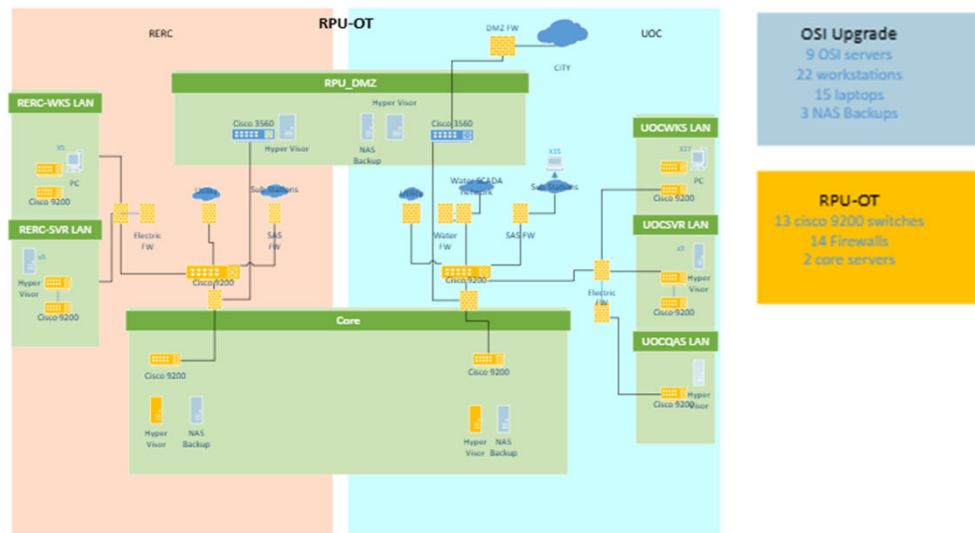
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NETWORK DIAGRAM

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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 approve the expenditures of $1,157,598 for the Electric Supervisory Control and Data Acquisition network infrastructure procurement and approve Work Order No. 2427164 in the amount of $1,052,362.

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