











Discussion - work scope Additional tasks Replacing analog multifunction meters with digital power quality meters Installing a digital substation automation system for communication with the new relays Installing new auto-transfer schemes for potential transformers and control power transformers Replacing transformer winding and oil temperature gauges Prustaff will perform procurement, engineering design, construction, testing, and commissioning

PROJECT AND FISCAL BREAKDOWN

Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU Engineering Staff	\$110,000
Construction	RPU Substation Electricians	\$165,000
Testing and Commissioning	RPU Test and SCADA	\$50,000
Equipment and Material		\$120,000
Contingency		\$40,000
Work Order Total:		\$485,000
Anticipated Start Date:		September 2021
Anticipated Duration:		8 Months



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STRATEGIC PLAN ALIGNMENT

This item contributes to Strategic Priority No. 6 Infrastructure, Mobility and Connectivity and the following goals:

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.



STRATEGIC PLAN ALIGNMENT 1. Community Trust – Project improves the safety and reliability of the electric system. **2. Equity** – Supports an equitable distribution of services to ensure every member of the community has access to share in the benefits of community progress. 3. Fiscal Responsibility – The project is routine and executed by internal staff more efficiently and effectively due to the integrated understanding of the internal design standards, system configurations and operational practices. **4.** Innovation – Upgrading electromechanical relays with microprocessor relays (digital) is part of the effort to modernize the grid to make it smarter and more resilient. 5. Sustainability & Resiliency – Ensures that new system upgrades provide grid operators the ability to monitor and respond to system disturbances quicker and safer during outages as well as providing the infrastructure that will help the City achieve carbon neutrality by 2040. 10 RiversidePublicUtilities.com PUBLIC UTILITIES

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RECOMMENDATION

That the Riverside Public Utilities Board approve the capital expenditure for Work Order No. 2123497 in the amount of \$485,000 which includes all design, construction, procurement, testing and commissioning and construction support for upgrading the protection and automation systems at Rohr Substation.

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