

## **BID NO. 7861 FOR SIX 15KV AUTOMATIC ELECTRONIC CIRCUIT RECLOSERS WITH G&W ELECTRIC COMPANY, FOR \$275,922**

### **Energy Delivery**

Board of Public Utilities  
October 25, 2021

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## **BACKGROUND**

1. In 2014, RPU approved a Distribution Reliability Improvement Plan for electric distribution circuits
2. Distribution Automation (DA) is critical component for reducing outages' duration and the number of customers impacted
3. New technology helps improve electric system reliability
4. Maintain healthy reliability indices such as System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI)

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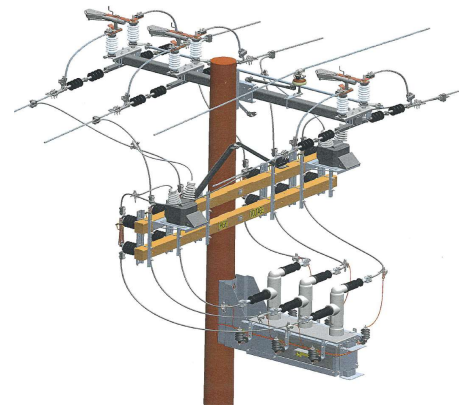
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## DISCUSSION

1. RPU has experienced numerous circuit outages where the substation breaker trips, affecting the entire circuit
2. During an outage, the SAIDI clock count stops when the circuit is completely restored
3. In order to minimize the SAIDI index, outages must be contained downstream from the substation breaker

## DISCUSSION (CONT.)

4. The purpose of the recloser is to:
  - a) test and isolate faults downstream from the device
  - b) keep customers energized upstream
  - c) reduce outage duration and number of customers affected



Typical Recloser Installation

## BID RESULTS

Vendors	Location	Bid Amount	Rank
G&W Electric Company	Bolingbrook, IL	\$275,922.68	1
Anixter, Inc.	Corona, CA	\$182,195.75	Non-Responsive

- The bid submitted by Anixter, Inc. was deemed non-responsive per engineering evaluation and failure to meet bid Spec.1-3.81 Rev 3.

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## 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:

**Community Trust** – The implementation of distribution automation critical components such as the automatic electronic circuit reclosers will improve safety and reliability of the electric system, which helps build community trust and results in the greater public good.

**Equity** – The automatic electronic circuit reclosers will be installed 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.

**Fiscal Responsibility** – The automatic electronic circuit reclosers will isolate outages downstream from the recloser, keeping customers upstream of the recloser energized. By isolating the outage, electric field personnel will repair the fault more efficiently, reducing overall operational costs.

**Innovation** – This project provides innovative infrastructure improvements. Automatic electronic reclosers are part of the effort to modernize the grid to make it smarter through the use of cutting-edge technologies, equipment and automation systems that communicate together to deliver reliable and efficient electric power.

**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. RPU is preparing for the goals set by the City to achieve carbon neutrality by 2040 and to ensure that new system upgrades provide grid operators the ability to monitor and respond to system disturbances in a more safe and timely manner, especially during potential wildfire events where field equipment may have to be operated from remote locations to keep critical infrastructure safe.

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## RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7861 to G&W Electric Company of Bolingbrook, Illinois, in the amount of \$275,922.68 for six 15kV three-phase Pole Mounted Automatic Electronic Circuit Reclosers;
2. Deem bid submitted by Anixter, Inc. of Corona, California, in the amount of \$182,195.75 as non-responsive; 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.