



**PLAZA SUBSTATION 4KV TO 12KV CONVERSION  
AREA 4 PROJECT, CIRCUITS 444 AND 445  
CUTOVER TO CIRCUIT 1253 – WORK ORDER  
2410179 FOR A TOTAL COST OF \$210,000**

**Energy Delivery**

**Board of Public Utilities**  
December 8, 2025

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## BACKGROUND

1. Electric Master Plan recommends conversion of aging 4kV facilities to a modern 12kV system
2. Facilities are obsolete, inefficient, and difficult to procure
3. Equipment is at or beyond its useful life
4. Replacement of aging 4kV facilities include:
  - a) Deteriorated wooden poles
  - b) Transformers and switches
  - c) OH related electrical distribution components



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## DISCUSSION

1. Make ready work for circuits 444 and 445 has been completed
2. This project will complete the installation of the remaining components necessary to convert the existing 4kV electrical distribution facilities to 12kV



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## PROJECT LOCATION

1. The project is located west of Pachappa Drive, north of Merrill Avenue, east of Magnolia Avenue and south of Panorama Road along Olivewood Avenue
2. Customer notifications will be sent out prior to any service disruptions
3. Electric Service Disruptions will be coordinated to minimize impact to customers



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## SCOPE OF WORK

1. Installation of approximately 1,435 circuit feet of underground primary cables
2. Installation of thirteen (13) lateral and sublateral cutouts with fused protection
3. 3 weeks to complete scope of work
4. Work performed by RPU Field crews



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## BENEFITS

1. Improves system operations and response time to electrical outages
2. Faster outage restoration – transfer load to nearby 12kV circuits
3. Increases electric system reliability and safety
4. Improves electric services and power quality to customers in the area
5. Reduced number of outages because of new infrastructure and life of material

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## PROJECT AND FISCAL BREAKDOWN

Work Type	Performed By:			Amount (\$):% of Total	
Design and Inspection	RPU Engineering and Operations			\$22,295	11%
Electrical Work	RPU Field Crews	Labor	\$117,919	\$187,705	80%
		Equipment	\$13,875		
		Materials	\$55,911		
Work Order Total:				\$210,000	100%
Anticipated Start Date:	January 2026				
Anticipated Duration:	3 Weeks				



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## RECOMMENDATION

That the Board of Public Utilities approve Work Order No. 2410179 for a total capital expenditure of \$210,000 for the Plaza Substation 4kV to 12kV Conversion Area 4 Project, Circuits 444 and 445 Cutover to Circuit 1253.



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