



**CIRCUIT 1287 RELIABILITY IMPROVEMENT
PROJECT – WORK ORDER NO. 2512347 FOR A
TOTAL CAPITAL EXPENDITURE OF \$870,000**

Energy Delivery

Board of Public Utilities
October 27, 2025

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BACKGROUND

1. Electric System Planning staff performed a reliability study to improve the performance of Circuit 1287
2. Study recommends reconductoring segments of line with limited conductor capacity that restrict power flow
3. Circuit selection has been prioritized based on historical reliability data, with a focus on worst-performing circuits and locations with limited switching flexibility



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DISCUSSION

1. Project includes reconductoring undersized segments along Circuit 1287 and key sections on Circuits 1283, 1284, and 1295
2. Reconductoring undersized conductors and upgrading tie points on Circuit 1287 are critical to enabling effective load transfers and fault isolation



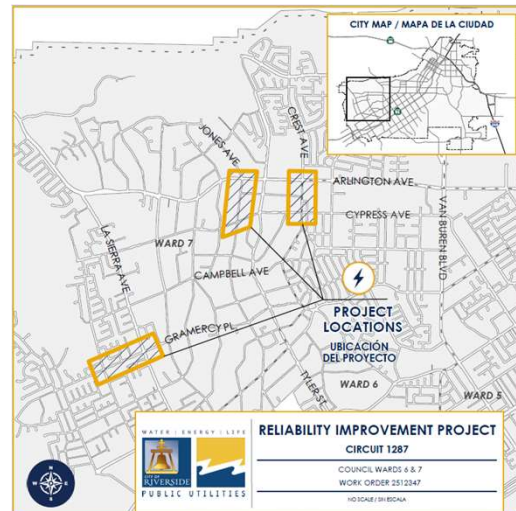
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PROJECT LOCATION

1. The project will upgrade electrical distribution facilities within the neighborhoods of La Sierra Hills, La Sierra Acres, and Arlanza
2. Customer outage 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. Replacement and installation of eight (8) wooden poles, two (2) switches, two (2) transformers and related overhead distribution facilities
2. Replacement of approximately 18,688 linear feet of old wires and associated components
3. 21 weeks to complete the scope of work



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BENEFITS

1. Increases electric system reliability and safety
2. Improves system operations and response time to outages
 - a. Reduces outage duration and number of customers affected
 - b. Eliminates antiquated facilities that limit operational flexibility and do not meet current design and construction standards

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PROJECT & FISCAL BREAKDOWN

Work Type	Performed By:	Amount (\$)		% of Total:
Design	RPU Engineering	\$82,821.52		10%
Electrical Work	RPU Field Forces		\$787,178.48	90%
	Labor	\$577,959.50		
	Equipment	\$97,043.20		
	Materials	\$112,175.78		
Work Order Total:		\$870,000.00		100%
Anticipated Start Date:		January 2026		
Anticipated Duration:		21 Weeks		

The work order total is the Engineer's Estimate because this is an in-house design and construction project.



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RECOMMENDATION

That the Board of Public Utilities approve Work Order No. 2512347 for a total capital expenditure of \$870,000 for Circuit 1287 Reliability Improvement Project.



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