

# 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

RiversideCA.gov

1

## **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
- Circuit selection has been prioritized based on historical reliability data, with a focus on worstperforming circuits and locations with limited switching flexibility



2

RiversideCA.gov

## **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



3

RiversideCA.gov

3

# PROJECT LOCATION

- 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
- Electric service disruptions will be coordinated to minimize impact to customers





RiversideCA.gov

## **SCOPE OF WORK**

- 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



5

RiversideCA.gov

5

### **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

en ser

6

RiversideCA.gov

## **PROJECT & FISCAL BREAKDOWN**

Work Type	Performed By:		Amount (\$)	% of Total:
Design	RPU Engineering		\$82,821.52	10%
Electrical Work	RPU Field Forces		φ/ο/,1/ο <del>.4</del> ο	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.



Riverside CA.gov

7

## **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.



8

RiversideCA.gov