



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 11, 2026

SUBJECT: ELECTRICAL SWITCH INSTALLATION NEAR ORANGE STREET AND 10TH STREET - WORK ORDER NO. 2615511 FOR A TOTAL CAPITAL EXPENDITURE IN THE AMOUNT OF \$120,018

ISSUE:

Consider approving Work No. 2615511 for a total capital expenditure in the amount of \$120,018 for the installation of an underground switch to be installed in vault V-1546, near Orange Street and 10th Street.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2615511 *in the amount of \$120,018, for the installation of an underground switch in vault V-1546.*

BACKGROUND:

Riverside Public Utilities (RPU) entered into an agreement with Electrify America for the installation of electric vehicle (EV) charging stations at the Mission Square parking garage in Downtown Riverside. To provide electric service to Electrify America's charging infrastructure, part of the scope of work requires the installation of a new underground switch to accommodate the increased load demand and to provide the ability to transfer electrical load to a new fuse position on Circuit 1305.

Due to limited real estate in the downtown area, staff recommend the installation of the new electrical switch in existing vault 1546. This proposed location will allow RPU to meet Electrify America's project timeline while maintaining system reliability and operational flexibility within the downtown distribution system.

The underground switch installation will enable transferring a portion of Circuit 1305 electrical load, thereby redistributing load and enhancing operational flexibility. This configuration will improve service reliability and resiliency within the downtown distribution facilities by reducing circuit congestion and mitigating the risk of service interruptions.

DISCUSSION:

The electrical switch installation will enhance system reliability and provide additional fused

connections on Circuit 1305. The proposed installation will strengthen operational flexibility, reduce outage risk, and support current and future load demands within the downtown area. The scope of work for Riverside Public Utilities (RPU) field forces consists of the installation of an underground switch in V-1546, including the installation of approximately eighty circuit-feet of underground primary cables and T-Body connections. The work also includes opening a position on existing three-way junctions in V-1546 to facilitate system reconfiguration. These improvements will enable load transferring to a new fused position as part of Circuit 1305, thereby enhancing system reliability.

RPU electric field forces will perform the construction of this project. Potential intermittent electric service disruptions will be coordinated during construction, and advanced outage notifications will be issued to minimize the impact on customers. No civil or contract work is required as part of the new switch installation.

Electrify America will reimburse the city for costs associated directly related to the Applicant's project as part of the new electrical switch installation. Specifically, Electrify America will reimburse a cost in the amount of \$20,521 or 17% of the total cost for the new electrical switch installation, which is only a portion of this scope of work related to their project. Electrify America's cost participation reduces the financial impact to the utility while supporting a system improvement that delivers long-term reliability benefits to the downtown area.



Typical Underground Switch

The project/fiscal breakdown for the electrical switch installation under Work Order 2615511 is as follows:

Project and Fiscal Breakdown					
Work Type	Performed By:			Amount (\$):	% of Total:
Design and Inspection	RPU Engineering and Operations			\$8,360.60	7%
Electrical Work	RPU Field Forces	Labor	\$9,861.16	\$111,657.05	93%
		Equipment	\$2,299.25		
		Materials	\$99,496.64		
Work Order Total:				\$120,018	100%
Reimbursements:	\$20,521 or 17% of the Work Order Total				
Anticipated Start Date:	May 2026				
Anticipated Duration:	1 Week				

FISCAL IMPACT:

The total project cost is \$120,018, however, the applicant will reimburse the Utility in the amount of \$20,521 for all electrical facilities required to serve the private development. The total net fiscal impact to RPU is \$99,497. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130000-470633 for the total project cost.

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 Approved by: David A. Garcia, Utilities General Manager
 Certified as to availability of funds: Julie Nemes, Interim Finance Director Financial Officer
 Approved by: Gilbert Hernandez, Interim Assistant City Manager
 Approved as to form: Rebecca McKee-Reimbold, Interim City Attorney

- Attachments:
1. Project Site Map
 2. Presentation