



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

Energy Delivery

Board of Public Utilities

May 11, 2026

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1

BACKGROUND

1. Riverside Public Utilities (RPU) entered into an agreement with Electrify America for the installation of electric vehicle charging station at Mission Square
2. To provide electric service to the project, the installation of a new electrical switch is required inside existing vault 1546, near Orange Street and 10th Street
3. The underground switch installation will enable transferring a portion of Circuit 1305 electrical load, thereby redistributing load and enhancing operational flexibility



2

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2

DISCUSSION

1. The electrical switch installation will enhance system reliability and provide additional fuse position on Circuit 1305
2. The proposed installation will strengthen operational flexibility, reduce outage risk, and support current and future load demands within the downtown area
3. Electrify America will reimburse the city for costs associated directly related to the Applicant's project as part of the new electrical switch installation



3

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3

PROJECT LOCATION

1. The project is located near Orange Street and Tenth Street
2. Electric service disruptions will be coordinated to minimize impact to customers
3. No underground civil work is required at this location as part of this project
4. Night work is anticipated to minimize traffic impact in the area



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4

SCOPE OF WORK

1. Installation of an underground switch inside V1546
2. Approximately 80 circuit-feet of feeder primary cables, T-body connections, and associated electrical work
3. Approximately one week to complete scope of work
4. Electrical work to be completed by RPU field forces



5

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5

BENEFITS

1. Improve system operations and flexibility, mitigating the risk of service interruptions
2. Increase electric system reliability to the Downtown area, and ability to serve future loads
3. Improve electric services and power quality to customers in the area
4. Infrastructure improvements reduced number of outages and improve switching capabilities




6

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6

PROJECT BREAKDOWN

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	



7

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7

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.


8

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8