

RAMONA NEIGHBORHOOD CABLE REPLACEMENT PROJECT

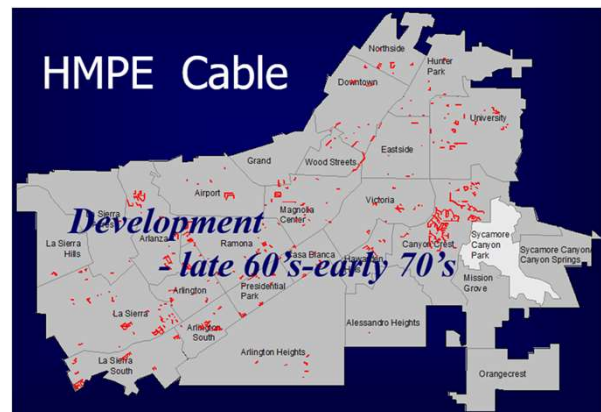
Riverside Public Utilities – Energy Delivery

Board of Public Utilities
June 13, 2022

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BACKGROUND

1. High Molecular Polyethylene (HMPE) Cable Replacement Program formally established in 2010
2. Proactive replacement of aged HMPE insulated Cable and Cable-In-Conduit (CIC) Systems
3. HMPE and CIC account for 8% of total cable, and responsible for 70% of failures
4. Replacement prioritized by risk and events



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PROJECT LOCATION

1. Four (4) different locations in the Ramona neighborhood, in the vicinity of Adams Street, Magnolia Avenue, Jackson Street and California Avenue
2. The project will upgrade four commercial facilities including medical offices and other social services
3. Electric service disruptions will be coordinated to minimize impact to customers



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SCOPE OF WORK

1. Replace and upgrade cable and transformers and other related facilities
2. Install 5,130 feet of underground primary cable, 2 transformers
3. Two weeks to complete work



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BENEFITS

1. Reduce project cost by a factor of two (2) with planned replacement compared to reactive replacement
2. Improves system operations and response time to outages
3. Increases electric system reliability and safety
4. Improves electric services and power quality to customers



PROJECT AND FISCAL BREAKDOWN

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Design	RPU Engineering	\$23,600
Project Management	RPU Engineering	13,700
Electrical Work	RPU Field Forces	46,700
Work Order Total:		\$84,000
Anticipated Start Date:		July 2022
Anticipated Duration:		2 Weeks



STRATEGIC PLAN ALIGNMENT



Strategic Priority No. 6 Infrastructure, Mobility and Connectivity

Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATION

That the Board of Public Utilities approve Work Order No. 2125670 for a total capital expenditure of \$84,000 for the Ramona Neighborhood Cable Replacement Project.



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