



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 13, 2022

SUBJECT: RAMONA NEIGHBORHOOD CABLE REPLACEMENT PROJECT – WORK ORDER NO. 2125670 FOR A TOTAL CAPITAL EXPENDITURE OF \$84,000

ISSUE:

Consider approval of Work Order No. 2125670 for a total capital expenditure of \$84,000 for the Ramona Neighborhood Cable Replacement Project.

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.

BACKGROUND:

Riverside Public Utilities (RPU) has experienced reliability issues for the past 20 years in areas served by HMPE insulated cable (high molecular weight polyethylene) and CIC type infrastructure (cable-in-conduit). This material is responsible for 70% of RPU's system failures. The Electric System Master Plan (ESMP) recommends the planned replacement of obsolete HMPE and CIC type infrastructure to improve system capacity and reliability.

This project will replace existing deteriorated electrical facilities and cable with new underground electrical distribution facilities, and associated components to improve the electric service to customers in the Ramona neighborhood area, improving overall electric system reliability and safety. There is no need to replace any of the existing underground conduits and associated civil underground facilities at this time. Replacement of deteriorated electrical distribution facilities and cables was identified as part of the Utility 2.0 Electric Infrastructure Road Map.

DISCUSSION:

The scope of work includes the installation of approximately 5,130 feet of underground primary cable, two (2) underground transformers and related electrical distribution facilities. This project also includes the removal of approximately 5,000 feet of aged electric cable and related distribution facilities.

The project will upgrade electrical distribution facilities south of California Avenue, north of Lincoln Avenue, west of Jefferson Street and east of Jackson Street. Intermittent electric service

disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.

There is no underground civil contract work associated with this project. RPU Electric crews will perform all electrical facility removals and installation associated with this project.

The project/fiscal breakdown is as follows:

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:

This item contributes to **Strategic Priority No. 6 - Infrastructure, Mobility and Connectivity** and **Goal 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.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – The installation of new and improved cable complies with current standards and will improve safety and reliability of the electric system, which helps build community trust and results in the greater public good.
2. **Equity** – The cable replacement project has been established based on engineering planning and operational criteria, with equitable distribution of services to ensure every member of the community has equal access to share the benefits of community progress.
3. **Fiscal Responsibility** – The replacement of obsolete cable and related equipment will improve system reliability and safety. This proactive approach will be more efficient and will reduce overall operational costs.
4. **Innovation** – RPU is committed to identifying creative solutions to meet the needs of our community members, effectively and efficiently by providing innovative infrastructure improvements. A collaborative and innovative approach was used to replace the electric facilities in such a way to minimize potential disruptions to our customers in the future.
5. **Sustainability & Resiliency** – RPU is preparing for the goals set by the city to achieve carbon neutrality by 2040 and to ensure that new system upgrades provide grid operators the ability to monitor and respond to system disturbances in a more safe and timely manner. The materials specified for this project are expected to last well into the future.

FISCAL IMPACT:

The total fiscal impact is \$84,000. Sufficient funds are available in Public Utilities Electric Capital Account No. 6130100-470635.

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Approved by: Todd M. Corbin, Utilities General Manager
Approved by: Kris Martinez, Assistant City Manager
Approved as to form: Phaedra A. Norton, City Attorney

Certifies availability of funds: Edward Enriquez, Interim Assistant City Manager/Chief Financial Officer/City Treasurer

- Attachments:
1. Project Site Map
 2. Presentation