

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 28, 2016

ITEM NO: 4

SUBJECT: TRANSMISSION LINE POLE REPLACEMENTS AND APPROVAL OF SIX WORK ORDERS FOR A TOTAL OF \$412,000

ISSUE:

Approve Work Order No. 1019026 for \$64,000, Work Order No. 1114171 for \$63,000, Work Order No. 1114173 for \$56,000, Work Order No. 1114174 for \$81,000, Work Order No. 1019025 for \$95,000, and Work Order No. 1710269 for \$53,000, for a total of \$412,000 for pole replacements.

RECOMMENDATIONS:

That the Board of Public Utilities approve Work Order 1019026 in the amount of \$64,000; Work Order 1114171 in the amount of \$63,000; Work Order 1114173 in the amount of \$56,000; Work Order 1114174 in the amount of \$81,000; Work Order 1019025 in the amount of \$95,000; and Work Order 1710269 in the amount of \$53,000 for a total of \$412,000.

BACKGROUND:

Riverside Public Utilities contracted Osmose Inc. to perform pole inspection services on 13 wooden poles supporting transmission and distribution facilities, and install support trusses where applicable. Because the inspection outcomes, ultimate scopes of work, and cost of each pole was unknown at the outset, individual work orders were initiated to effectively track the costs related to each pole. Support trusses were installed on seven (7) poles enabling them to remain in service without the expense of replacement. The inspection results demonstrated that six (6) of the poles require complete replacement.

This work will replace existing aged infrastructure with new overhead transmission and distribution facilities to maintain and improve the reliability of electric service to customers in the area. The poles will be replaced with higher strength poles to provide current safety factor requirements increasing electric system safety and reliability. Replacement of aged overhead infrastructure is identified as part of the Utility 2.0 Electric Infrastructure Road Map.

The work includes the installation of four wooden poles located along Strong Avenue near Orange St., one wooden pole on Russell Street near Orange St., and one wooden pole in the rear of 1091 Everton Place. All facilities will be installed to meet the current standards. The scope also includes removal of the existing aged facilities. Outage notifications will be issued prior to any work, and any resulting electric service disruptions will be coordinated with customers to minimize customer impact.

The capital expenditure for all six work orders is summarized in the following table:

Work Order Summary Breakdown	Amount (\$)	% of Total
Design (done by RPU Engineering)	\$36,000	9%
Electric Construction (done by RPU Field forces)	\$376,000	91%
Total	\$412,000	100%

The project breakdown is proposed as follows:

Project Breakdown	
Engineering Performed By:	RPU engineering staff
Electrical Work Performed By:	RPU field forces
Anticipated Start Date:	December 5, 2016
Anticipated Duration:	60 days
Coordination Required With:	RPU electric operations dispatch
Reimbursements:	None

Riverside Public Utilities (RPU) engineering staff performed the design to eliminate any negative visual impacts to the project and surrounding area, with sensitivity to the existing neighborhood, and within City Planning guidelines for the designated area of the project.

FISCAL IMPACT:

The total fiscal impact is \$412,000. Sufficient funds are available in Public Utilities' Electrical Capital Account No. 6130000-470623.

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Approved by: Girish Balachandran, Utilities General Manager
Approved by: John A. Russo, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
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Project Site Maps



