

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 25, 2019

ITEM NO: 8

SUBJECT: **PROFESSIONAL CONSULTANT SERVICES AGREEMENT FOR RFP NO. 1872 ELECTRICAL ENGINEERING DESIGN SERVICES FOR POLE REPLACEMENT, VAULT REPLACEMENT AND LINE RECONDUCTOR WITH NV5, INC. FOR A TERM ENDING JUNE 17, 2021, IN THE AMOUNT OF \$326,904; AND WORK ORDER NO. 1903658 FOR A TOTAL CAPITAL EXPENDITURE OF \$435,000**

ISSUES:

Approve a Professional Services Agreement for Request for Proposal 1872 for Electrical Engineering Design Services for Pole Replacement, Vault Replacement and Line Reconductor with NV5, Inc., of Corona, California, for a term ending June 17, 2021, in the amount of \$326,904; and approve Work Order No. 1903658 for a total expenditure of \$435,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve a Professional Services Agreement for Request for Proposal 1872 for Electrical Engineering Design Services for Pole Replacement, Vault Replacement and Line Reconductor with NV5, Inc., of Corona, California, for a term ending June 17, 2021, in the amount of \$326,904;
2. Authorize the City Manager, or designee, to execute the Professional Consultant Service Agreement for Request for Proposal 1872, including making minor and non-substantive changes; and
3. Approve Work Order No. 1903658 for a total capital expenditure in the amount of \$435,000 for the Electrical Engineering Design Services for Pole Replacement, Vault Replacement and Line Reconductor Project.

BACKGROUND:

On March 31, 1997, the State of California Public Utilities Commission (CPUC) adopted General Order 165 (GO165) imposing on investor owned utilities standards for the inspection, maintenance, repair and replacement of electric utility distribution facilities. The standards established minimum inspection requirements for certain electric distribution facilities, including maximum allowable inspection cycle lengths, condition rating, record keeping, reporting on scheduling, and performance of corrective action.

In March of 1998, the CPUC recommended that all publicly owned utilities comply with the requirements of GO165. Although Riverside Public Utilities (RPU) is not regulated by the CPUC, RPU has chosen to comply with these standards as they represent good industry practice. Overhead and underground

electrical distribution assets were identified as being in need of replacement and upgrade as part of the Utility 2.0 Electrical Infrastructure Improvement Road Map.

A consultant firm will perform engineering design services to expedite the development of plans and specifications for the replacement of wooden poles, removal of double “buddy” poles, upgrade of underground vaults and buried transformer enclosures (BTE), and electric line re-conductor. Infrastructure replacement projects will increase electric system reliability, safety, improved power quality, and in the case of buddy pole removals, improve esthetics in the right-of-way.



Deteriorated Buried Transformer Enclosure



Double “Buddy” Pole to be removed

DISCUSSION:

Request for Proposal (RFP) 1872 for Electrical Engineering Design Services for Pole Replacement, Vault Replacement, and Line Reconductor was posted on the City’s Online Bid System on October 23, 2018 and closed November 19, 2018. The scope of this project will include the engineering, design, and drafting of the identified assets that require repair or replacement. This will include the necessary calculations for meeting wind loading, Joint Pole Authorization forms, and Public Works requirements where necessary. Separate work order packages will return to the Board of Public Utilities for approval for infrastructure replacement and award of contract. Six (6) firms submitted proposals for the specified scope for work.

Three (3) RPU evaluators independently evaluated each proposal. The evaluation criteria included Qualifications and Experience (40%), Approach Methodology and Project Understanding (40%) and Pricing (20%). Evaluation scores were submitted to the Purchasing Division where they were compiled and summarized to determine the highest rated proposal. After the highest rated proposer was identified, staff conducted a phone conversation with the highest rated proposer to clarify the scope and negotiate a better price. NV5, Inc., was deemed the most qualified consultant based on their proposal to provide the best overall solution for the requested engineering design services.

The proposals are summarized in the table below:

Consultants	City Location	Rank
NV5, Inc.	Corona, CA	Best Overall Solution
Power Engineers	San Diego, CA	2
Parkia, Inc.	Santa Fe Springs, CA	3
K&B Electric	Corona, CA	4

Quanta Utility Engineering Services	Upland, CA	5
Cornerstone Construction Company	Hesperia, CA	6

NV5, Inc. proposed price is within the engineer's estimate of \$600,000. RPU engineering staff will coordinate with NV5, Inc. staff during the design phase to eliminate any negative visual impacts to the projects and surrounding areas, with sensitivity to the existing neighborhood, and within City Planning guidelines for the designated area for each project.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Project Management and Engineering	RPU	\$75,406
Professional Services:	NV5, Inc.	\$326,904
Contingency (Professional Services 10%)		\$32,690
Work Order Total:		\$435,000
Anticipated Start Date:		December 2019
Anticipated End Date:		June 17, 2021

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23256.

FISCAL IMPACT:

The total fiscal impact is \$435,000. Sufficient funds are available in Public Utilities GO 165 Upgrades / Line Rebuild / Relocation - OH Account No. 6130100-470623.

Prepared by: George R. Hanson, Utilities Assistant General Manager/Energy Delivery
 Approved by: Todd M. Corbin, Utilities General Manager
 Approved by: Al Zelinka, FAICP, City Manager
 Approved as to form: Gary G. Geuss, City Attorney

Certifies availability
 of funds: Brian Seinturier, Utilities Fiscal Manager

Attachments:

1. Map
2. Award Recommendation
3. Agreement