

EXECUTIVE BRIEF ELECTRIC UTILITY MEETING

AGENDA DATE: June 29, 2021

TITLE:

Amendment to Task Order No. 3 with TeamworkNET Inc., for additional engineering design services for the Main Yard Substation Control House Protection and Control Project

SUMMARY:

Amendment to Task Order No. 3 with TeamworkNET Inc. would authorize TeamworkNet to provide additional engineering design services for the Main Yard Substation Control House Protection and Control Project at a cost not to exceed \$85,190. This project has been identified as an element of the City's electric utility System Hardening and Reliability Improvement Project (SHRIP) and for which bonds were sold in November 2020.

BACKGROUND AND JUSTIFICATION:

The City previously issued a Request for Qualifications in 2018 (RFQ 18-303) to provide letters of interest and Professional Qualifications from consulting companies/firms for civil engineering, geotechnical engineering, surveying, architecture, hydrogeological services, energy management and engineering services. TeamworkNET Inc. was one of three firms selected under the Energy Management category for the Continuing Contracts for Professional Services.

As a part of SHRIP, the City's electric utility staff is planning to construct a new hardened control house for the electric utility's main 138kV to 26kV switchyard. The control house will be rated to withstand Category 5 storms and will house high voltage system relay and protection equipment such as protective relays, System Control and Data Acquisition (SCADA) equipment, DC batteries, and HVAC equipment. The new control house will also be capable of serving as an emergency backup control room if needed.

On April 2nd, 2020, the City Commission approved Task Order No. ,3 to TeamworkNET Inc., to undertake the engineering design for the new Main Yard Control House Project at a cost not to exceed \$230,500. TeamworkNET commenced with the design and provided the Electric Utility with 90% Design Plans for review in October of 2020.

In late October of 2020, the City Issued Amendment No. 1 to Task Order No. 3 authorizing TeamworkNET to engage a subcontractor, BHI Energy, as a 3rd Party Consultant to review the 90% Control House Design plans at a cost not to exceed \$45,540. BHI Energy had added to its staff a prior employee of the City's electric utility with subject matter expertise unique to our system and who we determined would be valuable in the design review process. This has allowed the Control House project to continue to move forward and mitigate potential delays as this project is time-sensitive and needs to be coordinated with the design for new 138kV Tie-Line project.

On May 6, 2021, the City issued Amendment No. 2 to Task Order No. 3 authorizing TeamworkNET to complete design revisions associated with the addition of new bus switches at the Main Yard 26kV East and West Bus, and update the Control House relay & protection schemes and wiring diagrams, a cost not to exceed \$14,025.

During the 90% design review it was discovered that property lines for the adjacent land owner lie within the Main Yard fence line and that the proposed location of the Control House would

need to be changed. The new preferred location while still within the Main Yard Substation fence line and boundaries requires completing a Ground Penetrating Radar (GPR) inspection to identify if any underground obstructions are present, inspection of the adjacent retaining wall for structural integrity, and updates and revisions to the associated civil, structural and electrical plans. Amendment No. 3 to the TeamworkNET task order is proposed to be undertaken at a cost not to exceed \$85,190.

MOTION:

Move to approve/disapprove the Amendment No. 3 to Task Order No. 3 with TeamworkNET Inc., to provide additional engineering design services for the Main Yard Substation Control House Protection and Control Project at a cost not to exceed \$85,190.

ATTACHMENT(S):

Fiscal Impact Analysis
Third Amendment to TO# 3

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$85,190	0	0	0	0
Operating Expenditures	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income	0	0	0	0	0
In-kind Match	0	0	0	0	0
 Net Fiscal Impact	 \$85,190	 0	 0	 0	 0
 No. of Addn'l Full-Time Employee Positions	 0	 0	 0	 0	 0

B. Recommended Sources of Funds/Summary of Fiscal Impact: Funds have been identified in account No. 421-6034-531-63.15, Project No. SH1802.

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Agenda Expenditure	Balance
421-6034-531-63.15	Improve Other than Build / Infrastructure	SH1802	\$595,296	\$109,410	-\$85,190	\$24,200