

EXECUTIVE BRIEF ELECTRIC UTILITY MEETING

AGENDA DATE: April 27, 2021

TITLE:

Second 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:

Second Amendment to Task Order No. 3 authorizes 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 \$14,025. 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:

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.

The Main Yard Substation is located in the northeast corner of the City's Power Plant site on College Street and is in need of new relay and protection equipment in a secure structure designed to withstand Category 5 storm wind strengths. The Main Yard Substation is where we step down 138 kV transmission voltage to 26kV distribution voltage for our customers. The current configuration has legacy equipment located in the System Operations building with 138kV and 26kV relay and protection equipment located in enclosures in multiple locations throughout the substation. The proposed upgrades include a new CAT 5 storm rated control house, new 138kV and 26.4kV bus protection relays, and new DC batteries for relay and protection equipment. The new control house will also serve as a central location to house System Control and Data Acquisition (SCADA) equipment and serve as an emergency control room if needed.

On April 2nd, 2020, the City Commission approved Task Order No. 3 to TeamworkNET Inc., to complete engineering design for the new Main Yard Control House Protection and Control Project at a cost not to exceed \$230,500. TeamworkNET commenced with 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 1 to Task Order No. 3 authorizing TeamworkNET to work with 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.

This Second Amendment to Task Order No. 3 is to complete design revisions associated with the addition of new 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.

With the addition of Amendment 2 to Task Order No.3 at a cost of \$14,025 we will exceed the City Manager’s limit of authorization for approvals of \$50,000, thus we are requesting formal approval of the Amendment from the City Commission.

MOTION:

Move to approve/disapprove Second Amendment to Task Order No. 3 to TeamworkNET Inc., to complete additional engineering design for the Main Yard Substation Control House Protection and Control Project at a cost not to exceed \$14,025.

ATTACHMENT(S):

Fiscal Impact Analysis
 Amendment No. 2 to TO#3
 Task Order No. 3
 TeamworkNET Amendment No. 1 to TO#3 Main Yard Control House

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$14,025	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	\$14,025	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.

C.

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Agenda Expenditure	Balance
421-6034-531-63.15	Improve Other than Build / Infrastructure	SH1802	\$	\$	-\$14,025	