

EXECUTIVE BRIEF UTILITY MEETING

AGENDA DATE: April 26th, 2022

DEPARTMENT: Electric Utility

TITLE:

Work Order No. 3 with Hooper Corp., for Main Yard Control House construction services

SUMMARY:

Work Order No. 3 authorizes Hooper Corp., to complete construction services associated with the installation of the new Main Yard Control House at the City's Main Substation in the amount not to exceed \$1,354,828. 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 issued a Request for Proposal (RFP 18-206) seeking proposals from qualified Electric Utility Contractors to build and construct numerous storm hardening and reliability improvement projects to the City's electrical transmission and distribution systems. A total of six Electric Utility Contractors were selected by the evaluation committee to complete these services.

On September 10th, 2021 the City Commission approved the purchase of a new Prefabricated Main Yard Control House with KVA, Inc. The purchase of the control house included the Control House Structure, (11) new digital relay control panels, (1) spare control cabinet and ancillary components. During the past 6 months the new control house was fabricated off-site and is scheduled for delivery in May.

The Main Yard Substation is located on the east side of the Power Plant property at 301 College Street. The Main Yard substation operates as a 138kV to 26kV distribution substation and is equipped with two 138kV to 26kV step-down power transformers. The Main Yard protection relays are currently housed within breaker cabinets, relay cabinets and several other pieces of equipment within the Main Yard substation in unconditioned space and are exposed to temperature fluctuations as well as high-humidity environment. Additional relays and controls are located in the System Operations facility which is a non-hardened facility and is at risk in the event of a severe wind-storm event.

Over the past year, the electric utility has completed design of the new Main Yard Control House, incorporating the both the 138kV protection devices and 26kV protection devices for the Main Yard in one hardened structure. The new pre-fabricated Main Yard Control House will provide a robust shelter, capable of withstanding a 180mph wind load, for the substation relays, controls & protection equipment. The new Main Yard Control House will also serve as the communications hub between the new 138kV Canal Switchyard and the Hypoluxo Substation and is a vital component of the transmission system upgrades.

Work Order No. 3 authorizes Hooper Corp. to furnish all tools, labor, supervision, equipment, services and materials, (materials other than those furnished by CITY) for the proper installation, wiring and commissioning of the new Main Yard Control House. The scope of work includes

installation of the following; conduit/cable trench and pull boxes, power transformer (PT) & fuse cutout's, grounding, control and power cables, junction boxes, control building installation and clearing and grading. Hooper Corp. will provide all labor, equipment and ancillary materials required to complete the project at a cost not to exceed \$1,354,828.

MOTION:

Move to approve/disapprove Work Order No. 3 with Hooper Corp. to complete the Main Yard Control House project in the amount not to exceed \$1,354,828.

ATTACHMENT(S):

Fiscal Impact Analysis
Work Order No. 3

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	\$1,354,828	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	\$1,354,828	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 421-6034-531-63.15, Project SH2103. A budget transfer request has been submitted to finance for approval.

Account Number	Department Name	Division Name	Account Description	Project Number	FY22 Budget	Current Balance	Budget Transfer	Agenda Expenditure	Balance
421-6034-531-63.15	Electric	T&D	Improve Other than Build / Infrastructure	SH2103	2,000,000	825,400	550,000	1,354,828	\$20,572