

EXECUTIVE BRIEF ELECTRIC UTILITY MEETING

AGENDA DATE: September 28, 2021

TITLE:

First Amendment to Agreement with KVA, Inc., for the Main Yard Substation Prefabricated Control House

SUMMARY:

First Amendment to the Agreement with KVA, Inc., authorizes KVA to provide a Prefabricated Control House for the Main Yard Substation at a cost not to exceed \$1,000,000. 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 Proposals (RFP 20-204) from qualified entities to design and fabricate up to six (6), single-story, single-module, concrete equipment relay vaults. KVA, Inc., was determined to be most responsive and responsible bidder. The term of the Agreement is for three (3) years, with (3) single-year extension options.

In August of 2020, the City Commission approved the Agreement with KVA, Inc.

This First Amendment to KVA, Inc., is for the purchase and fabrication of the Main Yard Substation Control House. 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 Switchyard and is a vital component of the transmission system upgrades.

KVA, Inc. will be providing all personnel, equipment and labor to build and pre-wire the control house equipment off-site. Delivery will be coordinated with the Main Yard Substation upgrades and will minimize additional on-site work

MOTION:

Move to approve/disapprove Agreement with KVA, Inc., d/b/a KVA Power Protection & Control for a prefabricated control house at a cost not to exceed \$1,000,000.

ATTACHMENT(S):

Fiscal Impact Analysis

KVA Inc. First Amendment

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$1,000,000	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	\$1,000,000	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. 421-6034-531-6315.

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Budget Transfer	Agenda Expenditure	Balance
421-6034-531-63.15	Improve Other than Build / Infrastructure	SH2103	\$2,000,000	\$1,867,085	\$0	\$1,000,000	\$867,085