

STAFF REPORT UTILITY MEETING

AGENDA DATE: April 25, 2023

DEPARTMENT: Electric Utility

TITLE:

Work Order No. 10 with L.E. Myers Co. to complete construction work for the French Ave Voltage Conversion Project

SUMMARY:

Work Order No.10 to L.E. Myers Co. to complete construction work for the French Ave Voltage Conversion Project at a cost not to exceed \$1,667,727. This project has been identified as a component of the City's electric utility System Hardening and Reliability Improvement Project (SHRIP) and for which bonds were sold in November 2020 and May 2022.

BACKGROUND AND JUSTIFICATION:

The City previously issued a Request for Proposals in 2018 (RFP 18-206), seeking proposals from qualified companies to build and construct numerous system hardening and reliability improvements on the City's Utility System grid. The L.E. Myers Co., was one of six electrical contractors selected to provide these services. The term of this agreement is for (3) three years with (2) two additional single-year renewal options. The French Ave Voltage Conversion Project and aerial primary feeder relocation to underground work is a component of this agreement.

Two distribution feeders are currently located in residential backyards along French Avenue and along a canal bank, which at times is heavily vegetated and is a habitat for iguanas. These feeders are labeled 1W13 and 0704, operating respectively at 26kV and 4kV. Both feeders provide electric service to large residential and commercial areas within the electric service territory. Furthermore, feeder 1W13 is the alternate feeder to the 7th Ave. N Substation. Due to the location of these feeders, faults or other damage caused by vegetation and animal contacts, extreme weather conditions such as hurricanes prove to generate long outage times and are difficult and costly to repair as the feeders on the canal bank are difficult to access by our bucket trucks. To increase the resilience and reliability of these feeders, staff conceived of a design that relocates approximately a half mile of overhead conductors to underground while also converting the 0704 to the higher 26kV operating voltage. Additionally, moving this section of our system underground will increase resilience and reliability of service for residential and commercial customers west of I-95.

Efforts already underway in support of this project include engineering and design, as well as procurement of long lead time materials which will arrive by the end of June of this year.

Work Order No. 10 to The L.E. Myers Co. authorizes them to proceed with construction, maintenance of traffic activities (MOT), and commissioning of the relocated feeders. The scope of this project includes directional boring and installation of approximately 5,000 feet of 6" conduit and 15,000 feet of 1,000 MCM 28kV conductor primary cable. All secondary open wire will be removed and replaced with 4/0 Triplex conductors. Additionally, this project includes the installation of poles, switch cabinets, transformers, and other cut-out equipment for fault protection. The work plan includes removal of all existing primary conductors along the canal bank, and "topping" poles left located within the residential backyards to a shorter height.

MOTION:

Move to approve/disapprove Work Order No.10 to L.E. Myers Co. to complete construction work for the French Ave Voltage Conversion Project at a cost not to exceed \$1,667,727.

ATTACHMENT(S):

Fiscal Impact Analysis
Work Order No. 10

FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
Inflows					
Current Appropriation	0	0	0	0	0
Program Income	0	0	0	0	0
Grants	0	0	0	0	0
In Kind	0	0	0	0	0
Outflows					
Current Appropriation	0	\$1,667,727	0	0	0
Operating	0	0	0	0	0
Capital	0	0	0	0	0
Net Fiscal Impact	0	0	0	0	0
No. of Addn'l Full-Time Employee Positions	0	0	0	0	0

Contract Award - Existing Appropriation	
	Expenditure
Department	Electric Utility
Division	T & D
GL Description	Improve Other than Build / Infrastructure
GL Account Number	421-6034-531-63.15
Project Number	SH2128 & SH2228
Requested Funds	\$1,667,727