

EXECUTIVE BRIEF UTILITY MEETING

AGENDA DATE: June 28, 2022

DEPARTMENT: Electric Utility

TITLE:

First Amendment to Hooper Corp. Work Order No. 1

SUMMARY:

This First Amendment to Work Order No. 1 authorizes Hooper Corp., to complete additional construction services for the Canal Substation Circuit 6004 in the amount not to exceed \$2,058,346. 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 hardening and reliability improvements on 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.

The Canal Substation 6001, 6003 & 6004 Circuits provide power to the western portion of the City's electrical distribution service area. The area serviced is bound by Congress Avenue on the east, Military Trail on the west, the L-10 canal on the north and the L-14 Canal on the south and includes areas of The Village of Palm Springs and un-incorporated Palm Beach County. The Canal Substation circuits provide power to approximately 5,900 customers.

On February 16, 2021 the City Commission approved Work Order No. 1 with Hooper Corp. to complete system hardening and reliability improvements on the Canal Substation Circuits 6001, 6003 & 6004. The scope of work under this Work Order included; replacement of deteriorated wood poles, replacement of steel cross-arms, removal of open-wire secondary & installation of insulated tri-plex secondary service wire, installation of animal-guards, replacement of damaged lightning arrestors, testing and remediation of system bonding and grounding conductors.

During the construction phase of the project and closer inspection additional problems with deteriorated poles and lengthy pole spans were identified that needed to be corrected, thereby increasing the number of poles to be replaced/added and additional hours under the contract. For example, problems with rotting wooden pole tops were not readily visible from the ground and became apparent while attempting to replace cross arms, remove old metal brackets supporting insulators, and remove old pole-top insulators for replacement. The scope of additional work included under this First Amendment includes but not limited to; removal and replacement of steel pole top pins, removal of additional open-wire secondary, installation of additional fiberglass cross-arms, replacement of additional rotten or deteriorated wood poles, addition of additional intermediate poles to reduce span widths to withstand higher storm winds, installation of additional down-guys & anchors, relocation/transfer of underground services, additional grounding, additional animal guards, removal & installation of transformers, underground conversion work from 4kV to 26kV in several locations, installation of additional insulated wire, service transfers

and Maintenance of Traffic (MOT) services for crew and public safety during the construction process.

At the onset of this project, the Canal Circuits were ranked in the top five (5) worst performing circuits. Through the course of the work, additional items were found requiring replacement and improvement to bring the circuits up to current system hardening and reliability improvement construction standards. To date the hardening of the 6004 circuit is 90% complete and is estimated that the remainder of the work will be completed within 45 to 60 days at a cost not to exceed \$2,058,346. The work performed in this area of the service territory has led to significant decreases in customer outages and the new equipment and hardened infrastructure will benefit customers for many years into the future.

MOTION:

Move to approve/disapprove First Amendment to Work Order No. 1 with Hooper Corp., for construction services for electric distribution System Hardening and Reliability Improvements at a cost not to exceed \$2,058,346.

ATTACHMENT(S):

Fiscal Impact Analysis
First Amendment Work Order No. 1
Work Order No. 1

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	2,058,346	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	2,058,346	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 the account indicated below.

Account Number	Department Name	Division Name	Account Description	Project Number	FY22 Budget	Current Balance	Budget Transfer	Agenda Expenditure	Balance
421-6034-531-63.15	Transmission	Distribution	Improve Other than Build / Infrastructure	SH2130	2,780,981	967,135	1,200,000	2,058,346	108,789