

EXECUTIVE BRIEF UTILITY MEETING

AGENDA DATE: April 26, 2022

DEPARTMENT: Electric Utility

TITLE:

Ratification of Work Order No. 60 with NuCAT Corp. for emergency repairs on the Canal Substation Transformer

SUMMARY:

The Work Order authorizes NuCAT Corp. to purchase materials necessary to complete emergency repairs and testing on the Load Tap Changer (LTC) on TD70 substation transformer for the City at a cost not to exceed \$91,518.

BACKGROUND AND JUSTIFICATION:

The City issued a Request for Proposals (RFP 18-203) to provide Letters of Interest and Proposals from qualified entities to perform inspections, testing, repair and preventative maintenance for various electrical components located at the City's substations and power plant on an "as-needed" basis. NuCAT Corporation was selected under RFP 18-203 Electrical Equipment Inspection, Testing, Repair and Maintenance Services for an initial term of three (3) years with two (2) additional, one (1) year extension options.

Through recent maintenance and inspections completed by NuCAT at the City's Canal substation, the LTC on TD70 was determined to be in need of immediate repairs. The Load Tap Changer (LTC) is an essential component of a power transformer that adjusts the output voltage of the transformer, either up or down, so as to allow the electric system to operate within a required voltage range. The Canal Distribution Substation is equipped with one, 138kV to 26kV, step down transformer and currently supports approximately 5,785 customers including Palm Beach State College through the 6001, 6003, 6004 & 4RDR01 circuits.

The scope of services to be provided by NuCAT includes providing all materials, test equipment, labor and technical supervision to complete repairs on the LTC on the substation transformer. With the on-set of summer and hurricane season, work to get parts ordered and repairs completed on this transformer have expedited as an emergency. Purchase Order 188778 has been issued to purchase the parts required to complete the necessary repairs in the amount of \$91,518. The LTC has been successfully repaired and has been placed back in service on April 5th, 2022.

MOTION:

Move to ratify/not ratify Work Order No. 60 with NuCAT Corp. to procure materials necessary to complete emergency repairs on TD70 transformer at cost not to exceed \$91,518.

ATTACHMENT(S):

Fiscal Impact Analysis
Work Order No. 60

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2022 | 2023 | 2024 | 2025 | 2026 |
|---|-----------------|-------------|-------------|-------------|-------------|
| Capital Expenditures | 0 | 0 | 0 | 0 | 0 |
| Operating Expenditures | \$91,518 | 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 | \$91,518 | 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 401-6034-531-46.71. The account balances below include the encumbrance of Purchase Order 188778 in the amount of \$91,518

| Account Number | Department Name | Division Name | Account Description | Project Number | FY22 Budget | Current Balance | Budget Transfer | Agenda Expenditure | Balance |
|--------------------|-----------------|---------------|--|----------------|-------------|-----------------|-----------------|--------------------|----------|
| 401-6034-531-46.71 | Electric | T&D | Repair/Maint Services / Substation Equipment | N/A | 455,000 | 31,520 | N/A | 91,518 | \$31,520 |