

# **EXECUTIVE BRIEF ELECTRIC UTILITY MEETING**

**AGENDA DATE:** January 25, 2022

**TITLE:**

First Amendment to Task Order No. 3 with Power Engineers, Inc. to complete additional engineering design for the new 138kV Canal Switchyard.

**SUMMARY:**

First Amendment to Task Order No. 3 authorizes Power Engineers Inc., to complete additional engineering design for the new 138kV Canal Switchyard in the amount not to exceed \$51,390. This project has been identified as an element of the City's electric utility System Hardening and Reliability Improvement Project and for which bonds were sold in November 2020.

**BACKGROUND AND JUSTIFICATION:**

The City issued a Request for Qualifications (RFQ 18-303) to provide letters of interest and Professional Qualifications from consulting companies/firms for civil engineering, geotechnical engineering, surveying, architecture, hydrogeological services, energy management and engineering services. Power Engineers Inc., was one of three firms selected under the Energy Management category for the Continuing Contracts for Professional Services.

On March 3, 2021 the City Commission approved Task Order No. 3 with Power Engineers to complete engineering design and provide engineering support during construction for the new 138kV Canal Switchyard.

This First Amendment to Task Order No. 3 with Power Engineers is for additional engineering design services associated with 138kV Canal Switchyard. During design review of the 138kV Switchyard package, design modifications and additional design impacting efforts in the grounding study analysis, switchyard site plan design, site entrance and exits, transmission pole loading analysis and lightning protection analysis were required. The additional effort and plan revisions are associated with grounding study analysis, modifications to site entrance and exits, addition of Microwave radio and camera poles, transmission structure loading analysis, permitting fees for South Florida Water Management District (SFWMD) and lightning protection analysis for the Overhead Protection Ground Wire (OPGW). The additional work is to be completed concurrently with the initial scope of services under Task Order No. 3 at a cost not to exceed \$51,390.

**MOTION:**

Move to approve/disapprove First Amendment to Task Order No. 3 with Power Engineers, Inc., to complete additional engineering design services for the 138kV Canal Switchyard in the amount not to exceed \$51,390 for Fiscal Year 2022.

**ATTACHMENT(S):**

Fiscal Impact Analysis  
First Amendment to Task Order #3

**FISCAL IMPACT ANALYSIS**

**A. Five Year Summary of Fiscal Impact:**

<b>Fiscal Years</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>
Capital Expenditures	\$51,390	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	0	0	0	0	0
No. of Addn'l Full-Time Employee Positions	\$51,390	0	0	0	0

**B. Recommended Sources of Funds/Summary of Fiscal Impact:** Funds have been identified in account No. 421-6034-531-63.16, Project No. SH2001.

Account Number	Account Description	Project Number	FY21 Budget	Current Balance	Budget Transfer	Agenda Expenditure	Balance
421-6034-531-63.16	Improve Other than Build / Infrastructure	SH2001	\$7,000,000	\$5,744,828		\$51,390	\$5,693,438