

STAFF REPORT UTILITY MEETING

AGENDA DATE: June 27, 2023

DEPARTMENT: Electric Utility

TITLE:

Agreement with Powell Electrical for the 6th Ave S. Substation Metal-Clad Switchgear Building

SUMMARY:

Five year continuing contract with Powell Electrical to provide Metal-Clad Switchgear Buildings. This initial request is for the new 6th Ave S. Substation location on 7th Ave S. and H Street in Lake Worth Beach at a cost not to exceed \$2,993,891.

BACKGROUND AND JUSTIFICATION:

The city issued an Issue for Bid (IFB 23-102) from qualified entities to design and fabricate up to six (6), single-story, stainless-steel, metal-clad switchgear buildings. Powell Electrical was determined to be the lowest and most responsible bidder. The term of the Agreement is for three (3) years with two (2) single-year extension options. These new types of building differ from the recent new concrete relay vaults in that they provide a nearly fully enclosed substation experience. Each building ordered will contain a full suite of switchgear that is in an air controlled and highly protected environment using state of the art digital protection such as high-speed fault detection and fiber optic arc flash protection. Bringing the feeders that are normally in the environmental elements inside helps with longevity, reliability, and improved maintenance costs. Its additional benefits include isolation from animal contact and reduced structures near residential neighborhoods along with reduced construction time and costs on-site. The new buildings will contain top-level protection and communication equipment to provide complete electrical redundancy and response while maintaining a low maintenance footprint. Due to the salt air environment that resulted in previous outdoor equipment failures in the last few years, staff believes that the move to an indoor air-controlled solution will further enhance the longevity and reliability of the grid and provide our operators with more options to restore power quickly and safely.

MOTION:

Move to approve/disapprove the Agreement with Powell Electrical for the 6th Ave S. Substation Metal-Clad Switchgear Building at a cost not to exceed \$2,993,891.

ATTACHMENT(S):

Fiscal Impact Analysis
Agreement
Bid Tab

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					
Operating	0	0	0	0	0
Capital	\$2,993,891	0	0	0	
Net Fiscal Impact	\$2,993,891	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	421-6034-531-6315
Project Number	SH2211
Requested Funds	\$2,993,891