

STAFF REPORT UTILITY MEETING

AGENDA DATE: January 30, 2024

DEPARTMENT: Electric Utility

TITLE:

Approval of Agreements with Plan B Solutions, LLC and Reinhausen Manufacturing, Inc. to furnish and install Dissolved Gas Monitors for analysis of the condition of substation power transformers.

SUMMARY:

Approval of agreements for Good and Services with Plan B Solutions, LLC for Three-Gas Monitors and with Reinhausen Manufacturing, Inc. for Five-Gas Monitors have been prepared. 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:

Analysis of cooling oil in transformer is used detecting the presence of dissolved gases associated with degradation and possible impending failure of a transformer. Early detection of dissolved gases in transformer cooling oil is critical in scheduling maintenance and repair in order to prevent transformer damage and possible catastrophic failure.

The Electric Utility plans to install Dissolved Gas Monitors on all substation power transformers as part of the numerous hardening and reliability improvements to the City's electrical systems for a total cost \$223,750.00 from both Dissolved Gas Monitor providers.

The City issued an Invitation for Bid (IFB#23-117) for qualified providers for Three-Gas monitors and Five-Gas monitors to include commissioning and staff training. Vendor selection is based on a schedule of unit prices included with each contract, to furnish and install Dissolved Gas Monitors. Two providers have been selected as an outcome of the IFB.

Plan B Solutions, LLC. is to provide five (5) Three-Gas Monitors and one (1) Five-Gas Monitor with installation of one monitor and training for a total of \$73,750.00.

Reinhausen Manufacturing, Inc. is to provide six (6) Five-Gas Monitors for a total of \$150,000.00 to include installation of one monitor and training.

MOTION:

Move to approve/disapprove the Goods and Services agreements for dissolved gas monitors with Plan B Solutions, LLC., at a cost not to exceed \$73,750.00 and Reinhausen Manufacturing, Inc. at a cost not to exceed \$150,000.00.

ATTACHMENT(S):

Fiscal Impact Analysis
Plan B Solutions LLC Agreement
Reinhausen Manufacturing Inc. Agreement
Bid Tab

FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact:

Fiscal Years	2024	2025	2026	2027	2028
Inflows/Revenues					
Appropriated (Budgeted)	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/Expenditures					
Appropriated (Budgeted)	0	0	0	0	0
Operating	0	0	0	0	0
Capital	\$223,750	0	0	0	0
Net Fiscal Impact					
<i>(If not budgeted)</i>	0	0	0	0	0
No. of Addn'l Full-Time					
Employee Positions	0	0	0	0	0

Contract Award - Existing Appropriation (Budgeted)	
	Expenditure
Department	Electric Utility
Division	Transmission and Distribution
GL Description	Improve other than Build / Infrastructure
GL Account Number	421-6034-531-63.15
Project Number	SH2215
Requested Funds	\$223,750.00
Remaining Balance	\$1,250.00
Source of Revenue (i.e. Paygo. Current Revenue, Bond Money, Grants, etc.)	2022 Utility Bond Series