

STAFF REPORT UTILITY MEETING

AGENDA DATE: June 27, 2023

DEPARTMENT: Electric Utility

TITLE:

Purchase Order with Ametek Power Instruments

SUMMARY:

The Purchase Order authorizes Ametek Power Instruments to provide thirteen (13) new meters for the Power Plant at a cost not to exceed \$97,006.00. This project is to address obsolescence in technology that has limited the new communications protocols available for cross company data transfer.

BACKGROUND AND JUSTIFICATION:

The existing power plant meters were installed upon commission of the power plant and are used not only to know total power output of the units but to provide live metering to our power purchaser and tie-point partner. This metering equipment with our tie-point neighbor were identified as not allowing communication in such a manner that would cooperate with the newer protocols used. In addition, multiple meters no longer have digital readout capability and are being read manually by our partners to get the most accurate data on time. Through what seems as consistent failures and the start of repair services of these 50+ year old meters, a budget item was created by staff internally to address the more critical units for upgrade to modern metering equipment. The new meters are equipped with the newest communications protocol, safety measures, accuracy, and load data profiling which can internally track the use and trends internally over time. In collaboration with our neighboring utility and powerplant personnel we will be doing the direct replacements internally. Due to the age of the existing meters, retrofit options were not possible. These replacements will include complete removal of the existing unit and then rewiring to the new unit based on existing drawings followed by full testing to ensure accurate data using the City's internal staff. When finished with commissioning, the new meters will be able to provide the necessary data digitally to our neighbor and purchase partner as well as the city to ensure accurate power flow tracking.

MOTION:

Move to approve/disapprove the Purchase Order authorizes Ametek Power Instruments to provide thirteen (13) new meters for the Power Plant at a cost not to exceed \$97,006.00.

ATTACHMENT(S):

Fiscal Impact Analysis
Ametek Quote
Sole Source Letter

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	\$97,006.00	0	0	0	0
Net Fiscal Impact	\$97,006.00	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	421-6020-531-6315
Project Number	EL2302
Requested Funds	\$97,006.00