Capital Improvement Plan

FY 2024-2025

Project Title:	Online Transformer Monitoring F	Munis Pro	ject Code:	EUCP-25003		#320	
Section I: Description		District Nos:	Citywide	Project Length	7/24-6/25	Priority	High

Online transformer monitor to protect, maintain, and monitor utility assets. The monitors will provide non-proprietary and non-critical data used for real-time and historical analysis of substation power transformers to determine significant gassing in oil, bushing status, temperature, and more. Real-time and historical data will not replace but will supplement the substation maintenance and inspection plan, specifically for transformers. The utility will receive alerts of any potential alarms and risks, real-time, that would necessitate the shut-down and repair of the transformers. This is an all-in-one product and service that also provides real-time monitoring and assistance.

Other utilities have been contacted for this equipment and prefer the ease of use, maintenance-free application, and costs savings that have already been provided. This will begin as a pilot at the most heavily loaded substation to determine overall performance with a plan to install at every existing and future substation power transformer if successful.

Justification/factor driving project

With the increasing cost and lead times for substation power transformers, it is extremely important to improve the level and efforts of substation maintenance and inspection plans, specifically for transformers. Real-time and historical online monitoring coupled with real-time alerts and support allows for enhanced insight into transformer health and reliability.

Additional Information

As part of this work, utility will purchase and replace two transformer temperature gauges and wire them accordingly. Contractor will install all specific equipment to their package and utility will only need to bring service power and temperature wires to the contractor's platform. FY 25 MY adjustment to account for additional labor and materials to support vendor efforts.

Section II: Estimated Proje									
Expenditure	Prior Years	FY 23/24 Estimate	FY 24/25 Budget	FY 25/26	FY 26/27	FY 27/28	FY 28/29	Future Yrs	Total
Internal Staff	\$ -		\$ 15,000	,					\$ 15,000
Miscellaneous	\$ -		\$ 20,000						\$ 20,000
Contracts	\$ -		\$ 130,000						\$ 130,000
	\$ -								\$ -
	\$ -								\$ -
Total Capital Costs	\$ -	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000
Section III: Funding Source									
Funding Source(s)	Prior Years	FY 23/24 Estimate	FY 24/25 Budget	FY 25/26	FY 26/27	FY 27/28	FY 28/29	Future Yrs	Total
501 - EU Outlay Capital Rese	\$ -		\$ 165,000						\$ 165,000
	\$ -						<u> </u>	 	\$ -
	\$ -								\$ -
	\$ -								\$ -
Total Project Financing	\$ -	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000