

March 6, 2024

Nebraska Department of Natural Resources
301 Centennial Mall South
Lincoln, NE 68509

Re: WSF 2024 Annual Report #10073

This letter provides the first annual progress report for the Water Sustainability Fund (WSF) Grant #10073 for the Metropolitan Utilities District's (District) Water Conservation And Peak Demand Management project. The grant was awarded to the District on July 19th, 2023. The Grant application which describes the project, its tasks, and its original timeline can be found online at:

https://nrc.nebraska.gov/sites/default/files/doc/2023_10073_MUD_Water_Conservation_and_Peak_Demand_Management.pdf

1.) Current year project progress (July 19th, 2023, to March 31st, 2024):

▪ Measurement and Monitoring:

15 flow logging devices (AMI endpoints) have been installed on large meters across the system and are currently collecting data. The District had anticipated having many more devices installed by this time, but progress has been delayed significantly as there were supply disruptions with the equipment we originally intended to use. We are currently evaluating using a different system from a different manufacturer.

No additional leak detection devices have been purchased at this time; however, research has been conducted to investigate the technology and the manufactures available so that the system selected meets the Districts needs and operational capabilities.

2) Anticipated following years project work (April 2024 to March of 2025):

▪ Measurement and Monitoring:

We expect to install endpoint devices on the 4" and larger meters. Leak loggers are also expected to be procured by the end of this period.

▪ Hydraulic Modeling – Scenario Analysis & Assessment:

Development of new customer usage patterns and peak flow analysis using AMI endpoint data collected by the monitoring devices.



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- Quantification of Benefits and Results:

Work should begin on the creation of a new dashboard for customer water usage which will show average day, maximum day, and peak hours demands across the Districts Water Systems pressure zones.

3) Forecast or projected cash flow for remainder of the project:

The total project budget is \$500,975, with WFS contributing \$250,000, and the District funding the remaining amount. No reimbursement through this grant has been requested to date.

We expect approximately \$225,000 total in expenditures between April of 2024 and March of 2025; \$200,000 total in expenditures between April of 2025 and March of 2026, and \$75,000 total in expenditures between April of 2026 and March of 2027.

Sincerely,



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