

West Knox Rural Water – Project #10086
Water Sustainability Fund Grant Final Report
March 25, 2026

Remote Read Meter Project Summary

West Knox Rural Water (WKRW) has successfully completed its remote read meter project, marking a significant advancement in system efficiency, accuracy, and water management.

A total of 271 meters were installed across the system, including:

- 3 master meters serving Verdigre
- 1 master meter serving Winnetoon
- Individual meters for Well 1, Well 2, Well 3, and Well 4
- 2 booster pump meters
- 261 individual service meters throughout the WKRW system

All meters have been converted to remote-read technology utilizing Badger Meter infrastructure integrated with the Beacon system. This upgrade enables real-time water usage monitoring for both system operators and customers.

The implementation of remote-read meters has resulted in several measurable benefits:

- Improved system efficiency through real-time data access
- Increased billing accuracy based on exact gallon usage
- Reduction in water loss across the system
- Enhanced revenue consistency through precise measurement
- Greater transparency for customers with access to their water usage

In conjunction with the meter installation, WKRW has implemented a new billing software system. This system ensures consistent and uniform meter readings, streamlines the billing process, and provides customers with clear, accurate statements based on real-time consumption data.

Project Impact and Alignment with Water Sustainability Fund Goals

This project directly supports the goals of the Nebraska Water Sustainability Fund by improving water use efficiency, enhancing resource management, and protecting long-term water supplies. By implementing advanced metering infrastructure, WKRW has strengthened its ability

to monitor usage, quickly identify potential system losses, and make data-driven decisions that support both water conservation and system sustainability. The project ensures more responsible use of groundwater resources while maintaining reliable service for rural residents and communities. Additionally, the improved accuracy and transparency provided by the system help build public trust and support long-term financial and operational sustainability. Overall, this investment represents a proactive approach to managing Nebraska's water resources and reinforces the importance of modern infrastructure in sustaining rural water systems.