

KEUKA PARK CONSOLIDATED WATER DISTRICT
2025 Water Meter Upgrade Project Highlights

CURRENT SYSTEM

- * KPCWD currently has older (15-20+ year old) MasterMeter water meters. Current MasterMeter water meters are on 'Drive-By', or AMR system. As meters age, they become less accurate, as is the case here.
- * Current read rate of water meters is about 70%, and the accuracy is questionable.
- * The system is suffering from a lack of investment.
- * Town personnel spend an inordinate amount of time trying to collect, process and bill for water sold. Estimated billing is often used, which isn't a best practice. It is especially time consuming when trying to adjust for the seasonality of the homeowners in the district.

PROPOSED NEW SYSTEM

- * The new system will be AMI, or Advanced Meter Infrastructure. It was selected after a thorough 10-month investigation into available systems and vendor qualifications. It also included engineering and environmental reviews.
- * Up-front costs are largely to install the infrastructure required to bring the town up to current technological standards. The meters themselves are a smaller component.
- * The infrastructure is upgradeable, and non-cellular, so it isn't impacted by future changes in cellular capabilities (i.e., 4G -> 5G -> ??) or voids in cellular coverage.
- * The 11 data collector units are mounted on telephone poles and act as receivers of water meter data and communicators of data back to the central unit.
- * The water meters themselves are guaranteed to be 98.5+% accurate, which means equity for water users and the Town.
- * The read rate of the system is guaranteed to be 98.5+% for 15 years.
- * The town's billing software will be integrated into the system and guaranteed to maintain accurate billing at the same 98.5+% as the read rate.
- * The system will provide the town with notifications of leaks/abnormal consumption so they can follow up with water users. This helps avoid damage caused by leaks and billing disputes where the amount of water consumed is questioned. It also allows the town to conserve water purchased from Penn Yan by knowing where it's being lost through leaks.
- * The system also comes with an online interface where homeowners can view their consumption.
- * The crux of the upgrade is to bring the system up to current standards, provide the town with accurate consumption data for billing, and reduce the labor burden felt by trying to limp along the current outdated system. The upgrade will provide infrastructure for future meter projects where, without the up-front costs for the system, will be far less expensive. The town will also benefit from being able to allocate labor to maintaining other areas of the system, which include distribution and water quality. Accurate data and efficiency for staff.