

Before



After



Case Study: Sunizona

When Cactus State acquired the Sunizona Water System in Cochise County, a detailed evaluation was conducted to identify targeted improvements that would deliver the greatest impact on system reliability, water quality, and long-term performance for the community it serves.

One of the most significant upgrades focused on **expanding storage capacity and stabilizing system operations**. The system previously relied on a 2,700-gallon storage tank alongside a well and high-pressure tank. Cactus State replaced the smaller tank with a new 15,000-gallon storage tank, substantially increasing capacity. This improvement, combined with integration into the existing high-pressure system, allows for more consistent water pressure, reduces strain on infrastructure, and supports reliable service during periods of higher demand.

To further strengthen treatment and protect water quality, a new **hypochlorite metering pump** was installed to provide consistent and reliable disinfection. A **prefabricated metal building** was also constructed to house and protect the equipment, helping ensure long-term performance and operational durability. These upgrades enhance the system's ability to meet state and federal drinking water standards and ensure safe water for customers.

Additional improvements were made to increase operational efficiency and system visibility. **New check valves, updated piping, and a flow meter** at the well were installed to improve monitoring and overall performance. With these enhancements, operators are better equipped to track system conditions in real time, respond quickly to changes, and maintain efficient day-to-day operations.

Through these targeted investments, Cactus State has **strengthened the Sunizona Water System's infrastructure and reliability**. The system is now better positioned to operate efficiently, meet regulatory requirements, and provide safe, dependable water service to the community for years to come—reflecting Cactus State's continued commitment to sustainable infrastructure improvements and long-term system performance.