

Before



## Case Study: Stoneman Lake

When Cactus State acquired the Stoneman Lake Water System in Coconino County, a comprehensive evaluation was conducted to identify targeted improvements that would enhance **water quality protection, system reliability, and long-term performance**. The system's unique design—operating across three interconnected sites that rely on natural terrain and elevation—required a thoughtful approach to ensure consistent and dependable service for the community.

One of the primary areas of focus was **strengthening drinking water protection**. At a key well site, Cactus State installed a **new chlorine dosing system** to enhance disinfection and provide an added safeguard for water quality. To ensure uninterrupted operation, a **backup generator** was also added, allowing for a seamless transition during power outages. Together, these improvements reinforce treatment reliability and support continued compliance with state and federal standards, helping ensure **safe drinking water** for residents.

**Storage infrastructure and site accessibility** were also significantly improved. At another crucial location, aging equipment was replaced with a **new 20,000-gallon bolted steel storage tank**, increasing system reliability and capacity. The site was **regraded and stabilized**, and a **new access road** was constructed to provide safe, year-round entry for operations and maintenance crews. These upgrades help maintain consistent water pressure, reduce the risk of service interruptions, and allow for faster response during routine maintenance or unexpected events.

At the upper site, improvements focused on **safety and operational efficiency**. The installation of a **permanent safety staircase** allows for safer and more reliable access to equipment, while **system adjustments improve coordination between the interconnected sites**. These enhancements enable operators to work more efficiently and respond more quickly to system needs, further supporting dependable service.

Through these strategic investments, Cactus State has **strengthened the Stoneman Lake Water System's overall performance and resilience**. The system is now better equipped to operate efficiently, meet regulatory requirements, and deliver **safe, consistent water service** to the community for years to come—demonstrating Cactus State's ongoing commitment to **infrastructure improvement and long-term reliability**.

After

