Lake McClure Pump Station Redundancy & Reliability Upgrade — $4.2 Million Project (DWR GrantFunded)

The District has completed a major $4.2 million reliability and redundancy upgrade at the Lake McClure Pump Station, funded entirely through a Department of Water Resources (DWR) grant. This project strengthens raw water delivery to the treatment plant and eliminates a longstanding singlepointoffailure in the system.

Project Overview

Until now, the treatment plant relied on a single pump to move raw water from Lake McClure. This upgrade adds a fully redundant **300horsepower pump** installed **100 feet below the existing pump elevation**, ensuring continuous water supply during equipment failure or low reservoir conditions.

Key Improvements

- **New 300 HP redundant pump** installed at a lower elevation for improved reliability
- **Complete electrical system replacement**, including modern controls and power distribution
- **Rebuilt pump station building**, providing weather protection and longterm structural integrity
- **Enhanced operational safety and access** for staff
- **Grantfunded**, with no financial impact to ratepayers

Project Photos

Floating Work Platform & Buoy Line

This image shows the floating work platform used during installation of the new pump and intake components. The buoy line marks the work zone and protects equipment during construction.

New Pump Station Piping & Valve Assembly

This photo highlights the upgraded piping system, including new valves, fittings, and structural supports installed as part of the redundancy project.

Lower Pump Installation & Structural Improvements

This image shows the lowerelevation pump installation, including the rebuilt concrete enclosure, new electrical components, and improved access for operators.

Community Benefit

This project ensures uninterrupted raw water delivery to the treatment plant, improves operational resilience, and protects the community from service disruptions. By securing DWR

grant funding, the District completed a major infrastructure upgrade without increasing customer costs.