

# CAPITAL OUTLAY REQUEST 2026

## TRANQUILLO PINES MDWCA

### FLUORIDE REMOVAL PROJECT

#### PROJECT NEED

- Tranquillo Pines MDWCA is currently under Administrative Order due to excessive levels of fluoride at two wells – both are at or exceed 4.0 mg/L
- Tranquillo Pines MDWCA was listed as Priority #1 for the DWSRF in Spring 2025
- The community has had frequent line breaks, which have forced them to haul water daily from Entramosa (\$650/day) for two years – that's \$520,000 paid by the members to haul 4.8 million gallons
- A substantial percentage of the pipe in the system is 2 inches in diameter and the pressure in parts of the system exceeds 180 psi requiring replacement of large sections of the water lines throughout the system
- The MDWCA serves 265 households (approximately 660 residents) and the Bernalillo County Fire Station #41 (domestic use, hydrants, and bulk water for fire fighting) for the past 50 years.
- Isolation valves are inoperable in critical locations and require replacement
- The Association's four wells produce between 3 to 10 gallons per minute, limiting water supply



#### PROJECT READINESS



- Tranquillo Pines MDWCA re-organized from a Co-op to an Association in June 2025
- Worked with the Southwest Environmental Finance Center (UNM-SWEFC) and Horrocks to develop a Preliminary Engineering Report, Water Model and Asset Management Plan (Complete in December 2025)
- Applied to the Technical Assistance Program (TAP) for a Rate Study (in progress)
- Applied to the Water Trust Board (WTB) for emergency water system repairs and the design of the fluoride removal system (in Stage 2 for Project Readiness Application).
- System map of components complete, with known problem areas identified

#### SELF-HELP

The Association Board has volunteered hundreds of hours to keep the system working and prepare for system improvements. This self-help includes:

- Completing Asset Inventory
- Performing leak-detection and multiple water audits (working with NMRWA, ABCWUA,)
- Performing line repairs and valve replacements to isolate leaks
- Installing instrumentation and collecting and analyzing extensive amounts of data
- Hauling water daily for two years
- Preparing applications for funding and technical assistance

