EWUA Facilities Update

600K Storage Tank
Corrosion Control

Electronic, Induced Current System replaced “sacrificial anode system”

New is cleaner, monitorable, and has much longer life expectancy
EWUA Facilities Update

600K Storage Tank Corrosion Control Installation
EWUA Facilities Update

600K Monitoring System

Online recording of temp, power, corrosion control amps, tank level, and security.
Terrill Beach Telemetry System

Turns wells on with “call for water” from 600K tank.

Monitors chlorine residual and well’s water level.
EWUA Facilities Update

Water Main Flushing

Flushing maintains water quality, and reduces chlorine demand.
Recent Water Main Flushing History

2012-2014 EWUA Water Main Flushing Progress
EWUA Facilities Update

New Flushing Blow Offs
Installed at

- Hill Top Lane
- Michael Lane
- Rossel Lane
Completed painting 100 hydrants
Partnering with OIFD to install *highly* reflective hydrant markers that indicated hydrant flow capacity.
EWUA Facilities Update

A St. Work

Main to meter service replacement for Post Office, Village Stop, Theater, and Lindholm.
EWUA Facilities Update

Prune Alley

Excavated and Inspected all services on Prune Alley in advance of County sidewalk, curb and gutter initiative.
EWUA Facilities Update

Working with OISD on Campus Improvements
EWUA Facilities Update

Mountain View Street

350‘ of Main Extension on Mountain View with OPAL and OPALCO.
EWUA Facilities Update

Meter Replacement

Staff replaced 75 service meters in 2014. Adding check valves, improved accuracy and compatibility with automated meter reading system.
EWUA Facilities Update

Tree Roots

Repaired 3 Leaks where tree roots had “sought out water” and surrounded pipes creating leaks.

LESSON – keep meter box area clear
EWUA Facilities Update

Shop Storage

New efficient parts storage and inventory control system at shop
EWUA Facilities Update

Student Built Pipe Rack Roof to minimize UV exposure
EWUA Facilities Update

Buck Mtn. PRV#2 Bypass installed so 4” PRV replacement can be done w/o shut off.
EWUA Facilities Update

Buck Mountain PRV#4 (1980’s) failed and needed replacement
EWUA Facilities Update

Eagle Ridge Main Abandoned

Physically disconnected 2500’ of water main that was completely unused.
EWUA Facilities Update  EAGLE Ridge Main

Dead End, Stall Water Main
EWUA Facilities Update

Friends of Moran Volunteer Work

Transporting and installing 150 bunk beds from UW at Park
EWUA Facilities Update
Marilee Lane (View Haven) Main Replacement

Partnered with OPALCO to replace 400’ of substandard water main and 4 outdated services.
EWUA Facilities Update

Los Arboles Main Relocation

County drilled through water main while installing new STOP sign.

Sewer District expands down Blanchard
EWUA Facilities Update

Los Arboles Main Relocation

120’ of New main with complex tie ins to facilitate future integration into View Haven Pressure Zone.
EWUA Facilities Update

Los Arboles Main Relocation
EWUA Facilities Update

Smuggler’s Water Main Failure

Schedule 40 PVC pipe broke.
EWUA Facilities Update

Smuggler’s Water Main Failure

Caused flooding at Smuggler’s
Smuggler’s Water Main Failure

Leak led to Smugglers replacing 1000’ of water line.
EWUA Facilities Update

Miguel Lane
Leak Repair

Alder Tree Roots cracked water line, leading to a valve and 100’ of main replacement project
EWUA Facilities Update

View Haven Tank Cleaning

Drained down VH water tank for inspection and cleaning.
EWUA Facilities Update

View Haven Pump Station

Galvanized pipe found corroding, replaced 80’ from pump station to main.
EWUA Facilities Update

View Haven Pump Station

Galvanized pipe found corroding, replaced 80’ from pump station to main.
EWUA Facilities Update

Buck Mountain Booster Station

Clean, Re-plumb, and install more efficient pump
EWUA Facilities Update

Lower Buck Booster Station Upgrades
EWUA Facilities Update

Buck Mountain Booster Station

Designed and Permitted new above ground pump station to replace existing.
EWUA Facilities Update

Lower Buck Boosters station Design
EWUA Facilities Update

Matia View Leak in 3” main was 60” deep. Pipe section cut out and replaced.
EWUA Facilities Update

Locate Requests

Staff processed 157 locate requests to mark out water lines in advance of digging.
EWUA’s team worked all 365 days of 2014 to insure your water service safety and reliability.