NORTH LOGAN

EST 1884

Water Issues for North Logan City

Drought Conditions

- Water Canyon Spring - Primary year-round water source went dry for the first time in 100 years. (Averages 2 million gallons a day)
- All 6 Culinary Water Wells are not recovering at a sustainable rate after drawdown (each well is running 24/7 for the majority of May – September).

Current Storage Capacity and State Requirements

- North Logan City storage capacity is 3 million gallons, required fire capacity is 7 million gallons.
- A simple pump failure could lead to the halt of all exterior water use and/or failure to provide adequate fire protection to our citizens.

Water Issues for North Logan City – Cont'd

Population Growth

- Large growth over the last 6 years.
- North Logan City meets more aspects of SB34 (Affordable Housing) than all other cities in Cache Valley.
- Several single family and multi-family developments already approved.

Strategic Plan to Address Water Shortages

1.) Water Conservation (Last 5 years)

- Water Conservation Education outreach programs through USU and slowtheflow.org.
- Very aggressive water restrictions (2x a week).
- Most comprehensive tiered water rate structure in State (9 Tiers).
- Strict conservation requirements for new development/subdivisions.

2.) Water System Improvements (Studies to find new sources and storage locations)

- Water system collection and system monitoring.
- Hydrogeologic studies and geologic site surveys (to find new water sources).
- Water/Fire Flow modeling (to identify new tank locations).

Strategic Plan to Address Water Shortages

Needed Culinary Water Infrastructure Improvements

- Culinary Water Well – Capable of producing 4 million gallons a day. Estimated cost of $2,850,000.
- Culinary Water Storage Tank(s) – Construct 4 million gallon of storage. Estimated cost of $4,700,000.
- Distribution System Upgrades – Increase the capabilities to move water to areas of need. Water main lines and pump station. Estimated cost of $2,950,000.
- **Total Request- $10,500,000**

This project is shovel ready.