

WALTON WATERWORKS IMPROVEMENTS

Project Scope

- The project scope is to increase the water storage capacity by constructing a new storage tower, replace lines, hydrants, and valves, provide standby power, replace the chlorine equipment, repair the well houses, and install a chemical feed to improve the water quality. The Green Project Reserve (GPR) portion includes installation of the water lines, hydrants and valves.
- Estimated Loan Amount: \$2,928,100
- **The total GPR (water efficiency) portion of the project is \$2,794,650; \$2,561,900 for construction cost and \$232,750 for planning and design engineering. The GPR represents an estimated 95% of the capital and engineering expenditures.**

Background

- The Town's waterworks system was installed in the 1930's. A study was conducted to evaluate the current facility. It was determined that the system had aged components, undersized lines, poor water quality, inadequate water pressure and insufficient fire protection. In addition, water loss was significantly high.

Water Efficiency

- Water loss for 2008 was 44%. This is based on the difference between the water pumped (49.6 million gallons) and the water metered (28 million gallons) at each service. Water loss for the first 8 months of 2009 is nearly 59%.
- By replacing the water lines, valves, and hydrants the Town anticipates reducing its water loss to an accepted level. Nearly 21.7 million gallons of water could be conserved annually. The cost equivalency is \$68,230, based on \$3.15 per 1,000 gallons of usage.

Referenced Material –

- Business Case, Town of Walton, prepared by Triad & Associates, Inc. , September 2010