

# Lake Alan Henry Project: Status of Our New Water Source

Dear Customer:



*This insert is the third in a series that will be provided to inform you about our water and sewer services, major projects, and the cost to deliver these services.*

Water is essential to sustain life and business in Lubbock. Lubbock's potable water supply must be transported from 65 miles up to 185 miles away. Over the last ten years the Roberts County Well Field has become a major supply of water and now provides 45% of Lubbock's water. Recent water rate increases primarily finance groundwater rights purchases and well field improvements for this source of water.

Running out of water is not an option. Lubbock must continue to develop water supplies to make sure water will be available when citizens need it. The Lake Alan Henry water supply project also continues to move forward with construction scheduled to begin next year and be completed in 2012.

The Lake Alan Henry project began in 1991 with the construction of the John T. Montford Dam. The new reservoir was completed in November of 1993. Engineers have determined that the Lake can provide about 20,000 acre-feet of water annually or about half of the water needed by the City today. To begin using the water, a number of major projects must be completed:

- **New Water Treatment Plant** – located southeast of Lubbock to treat the water from Lake Alan Henry.
- **Pump Stations** – one located at Lake Alan Henry and one near Post to pump the water

to Lubbock. A third pump station near Southland may be necessary in 10 years.

- **Raw Water Pipeline** – 50 miles of raw water pipeline divided into three separate projects with Section #1 from Lake Alan Henry to Post, Section #2 from Post to Southland, and Section #3 from Southland to Lubbock.
- **Treated Water Pipeline** – 15 miles of treated water pipeline to transport water from the Water Treatment Plant to southeast, central, and southwest Lubbock.

The Lake Alan Henry water will be pumped uphill more than 1,000 feet in elevation over the 50 miles from the lake. In comparison, the Roberts County Well Field water is pumped uphill more than 900 feet in elevation as it comes up out of the ground and then over a distance of 65 miles towards Lake Meredith and then on to Amarillo before it can flow downhill to Lubbock.

Lake Alan Henry is an expensive water supply project because of all the different projects required to make it work. At the same time, it will be one of Lubbock's most important water supplies for many years to come. The cost of the entire project, including the earlier dam construction, is about \$300 million. In comparison, the Roberts County Well Field Project cost Lubbock almost \$80 million.

Water from Lake Alan Henry will be available in 2012. Lubbock's diversified water supply will then include water from Lake Meredith, Roberts County Well Field, Lake Alan Henry, and the Bailey County Well Field. These combined sources will help guarantee that Lubbock has water for many years to come.

Sincerely,  
City of Lubbock