

The Lower Bois d'Arc Creek Reservoir and Fannin County Conservation and Reuse

Efficient, Wise Use of Resources Is Essential

Conservation and reuse are key strategies in the long-range water supply plan for the North Texas Municipal Water District (NTMWD), which includes providing service in Fannin County. In 2060, nearly one quarter of the water demand within the NTMWD service area will be met through continued conservation and reuse. Encouraging the efficient use of existing resources now will help them last longer and require less water from additional sources.



Raise Your Water IQ

Everyone must

contribute to ensure this long-range supply plan is successful. Every municipality, business, and individual can make a difference today by using water more wisely and efficiently. Simple things can help extend our water supplies:

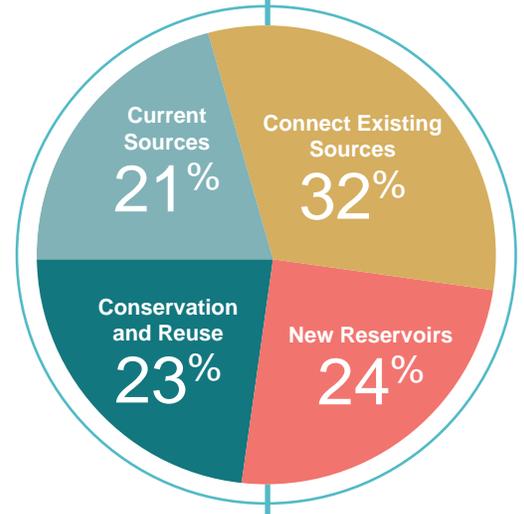
- Water lawns only when needed.
- Use a weather based irrigation tool such as www.WaterMyYard.org.
- Install new landscaping after preparing beds with plenty of mulch.
- Choose Texas-hardy native plants that require less water.
- Never water during the heat of the day. Water early in the morning

and later in the evening to avoid wasteful evaporation.

- Frequently check sprinkler systems and repair broken or misdirected sprinkler heads.
- Repair leaky faucets and toilets.
- Use a broom instead of a hose to clean sidewalks and driveways.

Conservation Is Not Enough

Even with strong conservation and reuse programs, the NTMWD will need additional water sources to meet the region's future demands, particularly as rural areas give way to expanded suburban development.



By 2060, 23 percent of our projected water demand will be met by reuse and conservation.
Source: 2011 Region C Water Plan



www.northtexaswateriq.org



www.water4otter.org

Conservation

includes practices that improve efficient uses of water or reduce consumption

Water recycling or Water reuse

refers to reusing treated wastewater for beneficial purposes either directly or indirectly.



NTMWD Conservation and Reuse Strategies

NTMWD Conservation Strategies

The NTMWD recognizes the need for efficient use of existing water supplies and the importance of extending the supplies as long as possible. The efficient use of current water supplies will delay the need, as well as the significant investment required, for new supplies.

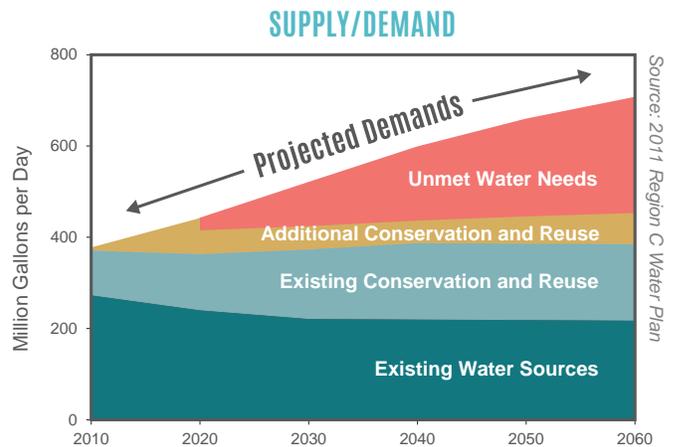
The NTMWD has developed a water conservation and water resource/emergency management plan that includes strategies for extending supplies and protecting water quality. The plan has several key objectives:

- To reduce water consumption from levels that would prevail without conservation efforts
- To reduce the loss and waste of water
- To improve efficiency in the use of water
- Encourage efficient outdoor water use
- To document the level of recycling and reuse in the water supply
- To extend the life of current water supplies by reducing the rate of growth in demand

The NTMWD was the first in Texas to implement the water awareness campaign, “Water IQ,” which was developed for the Texas Water Development Board. The Water IQ campaign is designed to increase the public’s understanding of their water resources and how easy it is to use water wisely and efficiently. To learn more about your water source and water-saving tips, visit the NTMWD Water IQ website at www.northtexaswateriq.org.

NTMWD Reuse Strategies

Wastewater reuse is an important component of the current and future water supply plans for the NTMWD. The reuse of water reduces reliance on new water sources and extends existing supplies. Currently, the NTMWD has the largest reuse program in Texas. More than 40 million gallons of highly treated effluent from the Wilson Creek Regional Wastewater Treatment



Plant are being returned to Lavon Lake each day, providing the NTMWD with additional water supply. To expand its ability to reuse water supplies, the NTMWD constructed the East Fork Raw Water Supply Project (EFRWSP) for the polishing of treated effluent from other wastewater plants operated by the NTMWD or its Member Cities and Customers.

The EFRWSP will ultimately allow the NTMWD to reuse an additional 90 million gallons per day (MGD). With the completion of the EFRWSP and expected flow increases at the Wilson Creek Regional Wastewater Treatment Plant, the NTMWD will ultimately be able to reuse up to 155 MGD.

What NTMWD Has Asked Our Customers to Do

The NTMWD has asked Member Cities and Customers to implement policies and measures to improve the efficient use of water by preventing waste or loss to extend the current water supplies. Such measures include:

- Washing cars using a water hose with shut-off nozzle;
- Prohibiting watering of impervious surfaces
- Prohibiting outdoor irrigation between 10 a.m. and 6 p.m., during summer;
- Limiting landscape watering to no more than twice weekly, if needed; and
- Encouraging conservation through a tiered water rate structure.