

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



## Efficient, Wise Use of Resources Is Essential

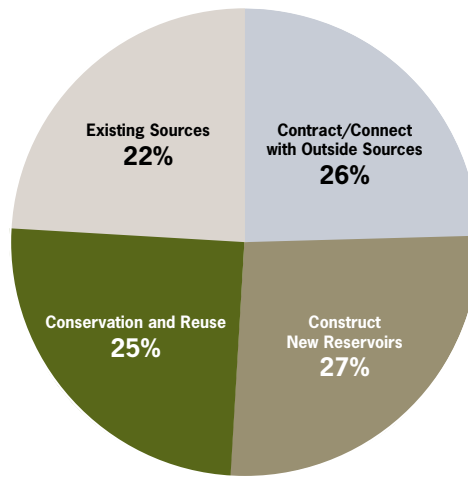
Conservation and reuse are key strategies in the North Texas Municipal Water District's (NTMWD) long-range water supply plan, which includes providing service to Fannin County. In 2060, a quarter of the water demand within the NTMWD's service area will be met by conservation and reuse. Using existing resources efficiently now will extend them further, and NTMWD will need less water from additional sources.



## Raise Your Water IQ

Everyone must contribute to make NTMWD's long-range plan work. Every municipality, business and individual can make a difference today by using water more wisely. Simple things can make our water last:

- Water lawns only 1 inch per week.
- Install new landscaping after preparing beds with plenty of mulch.
- Choose Texas-hardy natives 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 sprinkler heads.



By 2060, 25 percent of our projected water demand will be met by reuse and conservation.

- Raise your lawnmower's blade to 3 inches.
- Fix leaky faucets and toilets.
- Use a broom instead of a hose to clean sidewalks and driveways.

## But Conservation Is Not Enough

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



**Conservation** includes practices that improve efficient uses of water or reduce consumption, loss or waste.

**Water recycling or water reuse** refers to reusing treated wastewater for beneficial purposes either directly or indirectly.

## NTMWD Conservation Strategies

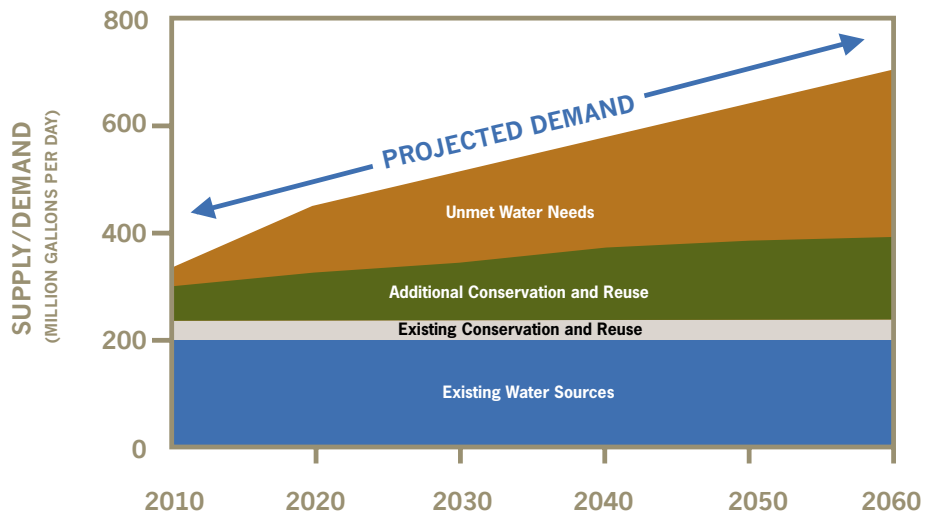
The NTMWD recognizes the need for the efficient use of existing water supplies and the importance to extend the supplies as long as possible. **The efficient use will delay the need for new supplies and delay the high cost of additional water supply development.**

NTMWD has developed a water conservation and drought contingency plan that includes strategies for reducing the volume of water withdrawn from water supply sources, for reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water. The plan has several key objectives:

- To reduce water consumption from the levels that would prevail without conservation efforts
- To reduce the loss and waste of water
- To improve efficiency in the use of water
- 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

NTMWD is the first in Texas to implement the water-awareness campaign, "Water IQ: Know Your Water," which was developed for the Texas Water Development Board. The Water IQ campaign is designed to assist the public within the NTMWD's service area to learn more about their water resources and how easy it is to use water wisely and efficiently. To learn more

## CONSERVATION AND REUSE ALONE WILL NOT MEET THE FUTURE WATER DEMANDS IN NORTH TEXAS



about your water source and water-saving tips, visit the Water IQ Web site at [www.wateriq.org](http://www.wateriq.org).

## NTMWD Reuse Strategies

Wastewater reuse is an important component of the NTMWD's current and future water supply plans. The ability to reuse water reduces the reliance on new water sources and increases the efficiency and conservation of existing supplies. Currently, 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 NTMWD with additional water supply. To expand its ability to reuse water supplies, the NTMWD is constructing the East Fork Raw Water Supply Project for the use of treated effluent from other wastewater plants operated by the NTMWD or its Member Cities. This project will ultimately allow the NTMWD to reuse an additional 90 million gallons per day.

With the completion of the East Fork Raw Water Supply Project and

granting of current permit requests by the Texas Commission on Environmental Quality, the NTMWD will ultimately be able to reuse 140 million gallons of water per day.

## What NTMWD Has Asked Our Customers to Do

The NTMWD has also asked Member and Customer Cities to implement policies and measures to curb peak water use during this current drought:

- Prohibit hosing of paved areas, buildings or windows
- Prohibit operation of ornamental fountains that use treated water
- Prohibit washing cars with a hose
- Prohibit wasteful landscape irrigation
- Prohibit outdoor irrigation between 10 a.m. and 6 p.m.
- Limit landscape watering to once weekly
- Prohibit draining and refilling swimming pools except to maintain normal evaporative losses
- Encourage conservation through a tiered rate structure
- Initiate rate surcharges for retail water use over a certain level