

## PERMANENT REUSE PROJECT

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**STATE PROGRAM:** Texas Water Development Board

**ASSISTANCE RECIPIENT:** City of Wichita Falls

**ASSISTANCE AMOUNT:** \$33.5M



### PROJECT DESCRIPTION

The increasingly drought prone City of Wichita Falls has proposed a permanent reuse project that will deliver indirect potable reuse water from the River Road Wastewater Treatment Plant to the City's raw water source, the Arrowhead Lake. This \$33.5 million CWSRF loan is a green project reserve loan with over \$252,000 of principal forgiveness. When complete, this project will allow the plant to meet stringent effluent limits that will allow up to 16 million Gallons Per Day (MGD) of processed wastewater to be added to the lake. Improvements will consist of a chemical coagulation, filtration, and reaeration system along with a new pump station and a 15-mile outfall pipeline that will run to the lake to make the City compliant with the newly established Texas Pollutant Discharge Elimination System (TPDES) discharge requirements. In recent years, Wichita Falls imposed strict water restrictions on the community, which have reduced the average MGD use by approximately 72 percent during the summer season. This reuse system will provide a long-term solution that will assist the City in meeting their source water needs.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2018-11/documents/pisces\\_2018\\_compendium\\_0.pdf](https://www.epa.gov/sites/default/files/2018-11/documents/pisces_2018_compendium_0.pdf).