



NORTH
TEXAS
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WATER
DISTRICT



NEWS RELEASE

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Bois d'Arc Lake Ranked as One of the Region's Largest Project Starts in 2018

WYLIE AND FORT WORTH, TX – April 16, 2019: Bois d'Arc Lake, the \$1.6 billion reservoir being built by the North Texas Municipal Water District northeast of Dallas, was one of the largest construction projects to break ground in 2018 in a five-state region, as ranked by Engineering News-Record (ENR).

ENR, a weekly publication covering the construction industry worldwide, annually ranks top project starts based on contract value for various regions across the United States. Bois d'Arc Lake ranked No. 5 among projects in Texas, Louisiana, Oklahoma, Arkansas and Mississippi. It is the largest publicly owned project to start in 2018, and one of only two in the region's Top 10 that aren't related to the petroleum industry.

"This critical project represents over 15 years of planning and permitting efforts. We would not be where we are today without the firms involved with the design and construction of Bois d'Arc Lake," said Tom Kula, Executive Director of the North Texas Municipal Water District (NTMWD). "When completed, this new reservoir will be a much needed water source for the growing communities served by NTMWD, and provide economic and recreational benefits for the citizens of Fannin County," Kula added.

Bois d'Arc Lake broke ground in May 2018 and is scheduled for completion by March 2022. It will be the first major reservoir to be permitted and built in Texas in nearly 30 years. The 16,641-acre lake, created by a 2-mile-long, 90-foot-tall dam, is expected to start supplying water to the NTMWD service area in 2022 and eventually yield an average 108 million gallons of water per day.

NTMWD serves 1.7 million residents in 10 North Texas counties encompassing more than 2,200 square miles. With the population projected to double over the next 50 years, a new long-term supply of clean drinking water is needed to operate alongside the district's smart water management and conservation efforts.

The Bois d'Arc Lake project and several related components are a massive undertaking, with design and construction taking place concurrently on multiple projects:

- A 2-mile-long, 90-foot-tall earthen dam
- A 236-million-gallons-per-day raw water pump station
- 35 miles of 90-inch raw water pipeline
- A 210-million-gallon terminal storage reservoir
- A 70-million-gallons-per-day water treatment plant
- A 310-million-gallons-per-day high service pump station
- 25 miles of 84-inch treated water pipeline
- Approximately 6 miles of new state highway, plus associated county road improvements around the reservoir area
- Almost 19,000 acres of compensatory mitigation to create habitat replacing the area used for the reservoir

NTMWD hired Freese and Nichols, Inc., a professional engineering and consulting firm headquartered in Fort Worth, to assist with program management for the project's design and construction. Freese and Nichols also is the engineer for several components: the dam, raw water pump station, a section of the raw water pipeline, terminal storage reservoir and high service pump station.

Other key design firms involved:

- Jacobs Engineering, Dallas (water treatment plant)
- Black & Veach, Overland Park, Kansas (pipeline)
- CP&Y, Fort Worth (pipeline)
- AECOM, Los Angeles (pipeline)
- HDR, Omaha, Nebraska (pipeline)
- Pacheco Koch, Dallas (facilities)
- White Hawk, Allen (county roads)
- Bridgefarmer, Dallas (state highway)

The main construction is being delivered using the Construction Manager At Risk (CMAR) structure. Acting as CMARs are Archer Western of Irving (dam and terminal storage reservoir), Garney Construction of Kansas City, Missouri, (treatment plant and pump stations) and Austin Bridge & Road of Irving (state highway and county roads). RES of Houston is managing the environmental mitigation.

For more information on the Bois d'Arc Lake project, visit www.BoisdArcLake.org.

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About NTMWD

The North Texas Municipal Water District is a regional wholesale provider of water, wastewater and solid waste disposal services for approximately 1.7 million residents across 10 counties – a service territory covering 2,200 square miles.

*Accompanying Photo: Construction worker looks out over the Bois d'Arc Lake construction site in Fannin County. Courtesy: NTMWD