



A periodic newsletter for news and updates on NTMWD projects.

## SNAPSHOT OF ACTIVE PROJECTS

Total number of active projects by service



2017 active projects: 166

2018 planned projects: 108

## 3 Key Drivers of Infrastructure Needs

Increasing regulatory requirements



8%

Aging pipes and systems



18%

Building new supply sources & delivery systems for growth



74%

\*stats based on FY2017

## Project Highlights

## Shiloh Pump Station Improvements



**WHY:** To provide additional flow and pressure to Richardson and Plano

**WHAT:** Replacing 13 MGD pump with 25 MGD pump, new and improved motors, improved piping and valves, electrical upgrades

**WHERE:** Located in Richardson, benefits Richardson and Plano

**WHEN:** Design began in 2013. Construction started in April 2015. Anticipated Final Completion in August 2017

**HOW MUCH:** \$7.7 million

## Main Stem Pump Station & Pipeline Project



**WHY:** To increase capacity at the East Fork Water Reuse Project (the Wetland)

**WHAT:** Building a new 100 MGD pump station and 17-mile raw water pipeline to divert water from the main stem of the Trinity River to the wetland for natural filtration, then on to Lavon Lake for blending and reuse

**WHERE:** Kaufman County, 17 miles south of the wetland in Seagoville

**WHEN:** Under construction now, completion expected in 2018

**HOW MUCH:** \$120 million

## Sabine Creek Wastewater Treatment Plant Expansion



**WHY:** Expansion of Sabine Creek Wastewater Treatment Plant from 1.5 MGD to 3.0 MGD average daily flow

## Wilson Creek Regional Wastewater Treatment Plant Improvements (Plant I)



**WHY:** To provide additional peak flow treatment capacity to Plant I

**WHAT:** Adding two new pumps and increasing firm pumping capacity to 9 MGD, two aeration basins, third secondary clarifier, pre-engineered operations building, headworks structure

**WHERE:** Located in Royse City, benefits Cities of Royse City and Fate

**WHEN:** Design started in September 2015. Construction started in December 2016. Anticipated Final Completion June 2018.

**HOW MUCH:** \$9.2 million

**WHAT:** Adding a BioActiflo process for advanced treatment and increased peak flow capacity, expansion of the existing headworks and outfall structure

**WHERE:** Located in Allen, serves cities of Allen, Anna, Fairview, Frisco, Lucas, McKinney, Melissa, Parker, Plano, Princeton, Prosper and Richardson

**WHEN:** Design began in 2015. Construction began September 2016. Anticipated final completion November 2019.

**HOW MUCH:** \$44 million

## Recently Completed



### Chapman pipeline repair on South Sulphur River

NTMWD and the City of Irving jointly operate and maintain an 84-inch raw water transmission line that transfers 110 MGD water from Lake Chapman to Lavon Lake (NTMWD) and to Lake Lewisville (City of Irving).

An aerial survey of the pipeline conducted in June of 2015 by the City of Irving

showed significant erosion problems. The channel of the South Sulphur River had dramatically eroded and the 84-inch raw water pipeline was exposed, undercut and at risk. Repair of the crossing was deemed an emergency.

While smaller projects like this might be considered maintenance, this project was so large that the District had to bring in contractors to complete the work. Construction work, which included emergency pipe-stabilization measures, as well as installation of permanent riverbank erosion protection, was completed March 2017. Additionally, 700 linear feet of the pipeline was replaced in Spring 2017. Total cost of both projects was \$5.4 million.

## Maintenance Highlights

One of the key drivers that affects rates is the repair and rehabilitation of aging infrastructure. Our maintenance team works diligently every day to make repairs and rehabilitate aging or broken pipes and pumps all across our 10-county service area. Below are a few examples of recent maintenance projects that have improved our infrastructure to ensure reliable service to residents and businesses

## By The Numbers - FY17

**32** pipelines repaired  
**18** major pump repairs  
**8** major motor repairs  
**55** air-relief valve replacements  
**390** acres of easement cleared  
**535** acres of easement mowed



## Rockwall to Royse City pipeline leak repair



The 12" Rockwall to Royse City concrete pipeline installed in 1956 is an example of some of our oldest infrastructure in the regional water system. The latest leak repair on the pipeline that took place May 2017 was located off of Highway 66 where an abandoned meter for residential service existed. A resident adjacent to the site notified us of the leak and NTMWD took action. Crews made the repair quickly without impacting water service.



## Mesquite to Forney pipeline leak repair



In May 2017, the City of Sunnyvale notified us of a water leak in a pipeline running through Sunnyvale from Mesquite to Forney. This 24" concrete pipeline was installed in 1985, so it was a good opportunity to replace a section of aging infrastructure to prevent future leaks. The pipeline was isolated by using other District pipelines to ensure uninterrupted service for residents.

## Lower Bois d'Arc Creek Reservoir Project Update

### Contractor Workshop draws crowd in Fannin County

There was a great turnout for the first contractor workshop for the Lower Bois d'Arc Creek Reservoir Project. Nearly 100 local contractors came out to the Fannin County Multi-Purpose Complex to hear how they can get involved with business opportunities related to the project. The next event will be [Aug. 29](#) and is open to contractors across North Texas.



### Texas Water Development Board approves SWIFT funding

The District received some great news recently when the Texas Water Development Board announced their approval for over \$677 million in low-interest [SWIFT funding to NTMWD](#) for the reservoir project.



TWDB  
approves  
SWIFT  
funding for  
Lower Bois  
d'Arc Creek  
Reservoir



## Doing Business with NTMWD

NTMWD invites talented, experienced and ethical contractors, consultants, and suppliers to bid on design and construction projects that align with their experience and expertise. Visit the [Business Opportunities](#) page of our website to learn more.

## News & Events

- May 19:** [Rapid growth in North Texas highlights need for investment in water infrastructure](#)
- Jun. 12:** [Wholesale water rate projections for FY18](#)
- Jun. 13:** [Water supply update](#)
- Jun. 14:** [Update: Lower Bois d'Arc Creek Reservoir Project](#)
- Jun. 15:** [Long-term planning critical to wastewater's future](#)
- Jun. 16:** [NTMWD upgrades and expands infrastructure to keep up with rapid growth](#)
- Jul. 6:** [Lavon Lake Watershed Protection Plan Draft Available for Public Comments through August 4](#)
- Jul. 10:** [New reservoir project on track \(LBCR\)](#)
- Jul. 14:** [News Stream newsletter - July 2017 issue](#)
- Aug. 29:** [Contractor Workshop for Lower Bois d'Arc Creek Reservoir \(LBCR\)](#)
- Aug. 30:** [Regional Safety Seminar](#)

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WATER



WASTEWATER



SOLID WASTE

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## CORE VALUES - I TRUST

Integrity | Trust | Respect | Unity | Safety | Teamwork

## STAY CONNECTED



972.442.5405

