

**NORTH TEXAS MUNICIPAL WATER DISTRICT - DESIGN PROJECT LIST
NOVEMBER 2020 THROUGH SEPTEMBER 2021**

11/3/2020

WATER SYSTEM PROJECTS:

Project	Description	Consultant	Construction Cost Estimate	Estimated Start*
Bonham Raw Water Pump Station Improvements	Preliminary study to collect water quality samples to identify future location of intake structure.	Under Negotiation	\$2M - \$5M	Nov-20
Wylie to Garland 42-Inch Pipeline Relocation	Relocate 1,400 linear feet of 42-inch pipeline between Brown Street and Marble Street adjacent to US Highway 78 in Wylie.	Under Negotiation	< \$2M	Nov-20
North Garland System Ground Storage Tank	Construction of 16 million gallon (MG) ground storage in North Garland transmission system	Under Negotiation	\$16M-\$25M	Nov-20
Wylie WTP II, Plant Water Improvements	Wylie WTP I and II plant water upgrades include adding piping and valves to loop the system and to add chlorine injectors for backup.		\$2M - \$5M	Nov-20
Water Operations and Maintenance Manuals Update	Routine updates to plant and high service pump station operations manuals.		< \$2M	Jan-21
Highway 5 (McKinney No. 4) Pump Station Site	New 50 million gallon per day (MGD) pump station and 10 MG ground storage tank in the north water transmission system.		\$26M-\$50M	Feb-21
Water Capital Improvements Plan Updates	Raw water, treated water, and transmission system program update including demand projections, hydraulic modeling, water quality analysis, and project summary.		< \$2M	Feb-21
Supervisory Control and Data Acquisition (SCADA) System Upgrade 2022	Routine annual system upgrades.		< \$2M	Apr-21
Water System Long Range Water Supply Plan	Develop raw water demand and wastewater return flow projections. Quantify existing water supplies and water rights. Identify supply needs, water management strategies, and pretreatment and conveyance needs.		< \$2M	Apr-21
Cooper Pipeline Extension	Extend and connect Lake Chapman/Cooper raw water pipeline with Lake Texoma raw water pipeline.		\$6M - \$15M	Jun-21
Wylie WTP II, Electrical Buildings Improvements	Replace electrical system, rehabilitation of sedimentation basin control panels, and install additional lighting for electrical building nos. 1, 2, and 3 at the Wylie WTP.		< \$2M	Jun-21
Casa View Pump Station Mechanical Improvements	Rehabilitation and/or replacement of existing pumps.		\$2M - \$5M	Jul-21
Wylie WTP II Ferric Sulfate Storage and Feed Improvements	Replace day tanks for WTP II ferric sulfate. Replace pumps, motors, valves, rehab or replace storage tanks for WTP II ferric sulfate.		\$16M - \$25M	Aug-21
Wylie WTP Master Plan	Process improvement and facility location master plan of the Wylie water treatment plant complex.	Under Negotiation	< \$2M	Sep-21

Notes:

The awards of the projects are subject to approval by NTMWD Board of Directors

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WASTEWATER SYSTEM PROJECTS:

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Muddy Creek WWTP Expansion to 15 MGD	Detailed design on expanding the wastewater treatment plant (WWTP) from 10 MGD to 15 MGD Annual Average Daily Flow and other plant improvements based		\$26M - \$50M	Feb-21
Muddy Creek WWTP Peak Flow Storage Basin	Detailed design based on Master Plan recommendations focusing on peak flow handling improvements.		\$6M - \$15M	Feb-21
Upper East Fork Interceptor Rehabilitation and Improvements 2021	Rehabilitation and improvements to be based upon pipeline or manhole condition assessment.		\$6M - \$15M	Feb-21
Richardson Spring Creek Trunk Sewer Improvements	Preliminary engineering to verify repair locations along the Richardson Spring Creek Trunk Sewer using multi-sensor inspection (MSI) followed by a Technical Memorandum for recommended repair and easement requirements.		< \$2M	Feb-21
Floyd Branch Regional WWTP Peak Flow Management	Expansion of Peak Flow capacity according to recommendations from the Master Plan. The Master Plan is currently in progress.		\$6M - \$15M	Mar-21
Beck Branch Lift Station Improvements, Prairie Creek Lift Station Improvements, and Renner Road Lift Station HVAC Improvements	Replace three pumps at the Beck Branch Lift Station with electrical improvements. Install an additional pump at the Prairie Creek Lift Station. Upgrade the HVAC at the Renner Road Lift Station. All three locations require upgrades to SCADA, Security, Odor Control and electrical.		\$2M - \$5M	Apr-21
South Mesquite Regional WWTP Peak Flow Management and Expansion Phase II	Project includes new north headworks screen and grit removal, primary clarifier, aeration basins, return activated sludge/waste activated sludge facility, filter facility improvements, ultraviolet disinfection system, electrical and SCADA improvements, and additional backup power (generator).		> \$50M	Aug-21

SOLID WASTE SYSTEM PROJECTS:

Project	Description	Consultant	Construction Cost Estimate	Estimated Start*
North Transfer Station - Environmental Site Assessment	Environmental evaluation of a new transfer station.		< \$2M	Mar-21
Parkway Transfer Station Conversion to Top Load	Convert transfer station from side loading trucks to top loading trucks		\$2M - \$5M	Jun-21

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