

**EXHIBIT A
SCOPE OF SERVICES
JOINT WATER SUPPLY STUDY**

PROJECT UNDERSTANDING:

Water supply availability and reliability is essential to the growth and health of any community. Freese and Nichols, Inc. (FNI) understands that significant growth is occurring in the entities Greater Texoma Utility Authority (GTUA) serves and that some utilities (the City of Celina, Texas (Celina) and Mustang Special Utility District (SUD)) have approached GTUA, Upper Trinity Regional Water District (UTRWD), and North Texas Municipal Water District (NTMWD) about supplying treated water. This study seeks to:

- (1) identify the current water demands that GTUA can address in Grayson, Cooke, and Collin Counties to include Celina and Mustang SUD (the “Service Area”);
- (2) identify GTUA’s available water supply to meet current water demands of the Service Area;
- (3) identify the quantity of additional water supply needed to address future water demands (or a portion of that demand) of the Service Area;
- (4) identify feasible water supply alternatives to address future water demands of the Service Area; and
- (5) determine the feasibility of implementing a new wholesale treated and/or raw water system(s) (“New System”) for the Service Area.

This Study will build upon the GTUA regional water system study completed in 2020.

SCOPE OF WORK:

1. Kick-off Meeting: FNI will attend a kick-off meeting with GTUA, UTRWD, NTMWD, and other stakeholders to discuss Project scope, schedule, and data requirements.
2. Data Collection: FNI will develop a list of data needs and distribute to selected entities. FNI will compile the data and summarize the anticipated water needs of stakeholders. FNI will review existing raw water master plans, regional water planning, and other planning documents.
3. Water Demand Projections: FNI will define a proposed Service Area and identify potential cities and retail water providers that could be served by the New System. FNI will review existing studies to identify population and demand projections for 2025 (existing), 2030, 2040, 2050 and 2080. FNI will develop the following demand scenarios:
 - a. GTUA current members only;
 - b. GTUA current members with portions of Celina, Pilot Point and Mustang SUD; and
 - c. GTUA current members with all of Celina, Pilot Point and Mustang SUD needs not met by other water suppliers.
4. Lake Texoma Evaluation: FNI will complete a comprehensive evaluation of Lake Texoma from the Red River Compact, current authorized United States Army Corps of Engineers (USACE) storage, and water rights in both Texas and Oklahoma. Based on this analysis, FNI will identify potential unused supplies in Lake Texoma. FNI will also evaluate the potential yield benefit of reallocation of USACE storage in Lake Texoma. FNI will calculate a combined firm yield for Lake Texoma.

5. Existing Water Supply Availability Evaluation: FNI will investigate the availability of water supply sources for the New System. FNI will compare projected water demands to available water supply and assess the need for additional water supplies. Water supply will be projected for 2025 (existing), 2030, 2040, 2050 and 2080.
 - a. GTUA existing supplies: Groundwater and Lake Texoma water rights. This will include an evaluation of current infrastructure constraints such as the Texoma Pipeline.
 - b. GTUA member existing supplies: FNI will conduct meetings with GTUA member entities (City of Sherman, City of Denison, and others) to discuss their long-term water supply plans.
 - c. Unused Lake Texoma supplies
6. Raw Water Supply Evaluation: FNI will determine the need for raw water based on each demand scenario and existing water supply availability. FNI will then evaluate potential additional raw water supply alternatives to meet the demand. FNI with GTUA will identify no more than ten (10) potentially feasible raw water supply alternatives that may include groundwater, brackish groundwater, reallocation of surface water, new surface water, reuse, or a combination thereof. FNI will perform a screening level analysis and provide results with recommendations to GTUA. GTUA will select the top three (3) raw water supply options for detailed analysis.
 - a. Detailed analysis will consider potential treatment alternatives (stand-alone vs. combined, new vs. existing facilities), delivery options (raw vs. treated), permitting (water rights and discharge).
7. Develop Conceptual Raw Water Alternatives: FNI will develop planning level cost estimates and mapping for three (3) proposed raw water projects. Prioritization, descriptions, regulatory processes, justification, and phasing of proposed projects will be identified. Projects costs will be in 2023 dollars and include allowances for contingencies and engineering.
8. Develop Conceptual New System Alternatives: FNI will develop planning level cost estimates and mapping for three (3) proposed New Systems. Prioritization, descriptions, regulatory processes, justification, and phasing of proposed projects will be identified. Projects costs will be in 2023 dollars and include allowances for contingencies and engineering.
9. Draft Technical Report: FNI will develop a draft technical report that will include a raw water supply master plan and New System feasibility study that summarizes the assumptions, methodology, and findings of the Project. FNI will provide an electronic PDF copy of the Draft Technical Report.
10. Progress Meetings: FNI will attend up to four (4) progress meetings (in addition to the kick-off meeting) throughout the course of the project to review project progress, provide project updates, and to solicit comments on the draft report. These progress meetings will include GTUA, NTMWD, UTRWD, and other stakeholders.
11. Final Technical Report: FNI will review the draft report based on comments received and develop a Final Technical Report. FNI will provide an electronic PDF copy, GIS mapping files, and fifteen (15) hard copies of the Final Technical Report.
12. Presentations to City Councils / Board of Directors: FNI will conduct up to five (5) presentations to City Councils, Board of Directors, or other stakeholder groups to present the findings of the raw water master plan. This will include presentations to the NTMWD and UTRWD executive teams/boards.

ESTIMATE FOR ENGINEERING SERVICES = \$807,715

ESTIMATED SCHEDULE = 9-12 months