

**RED RIVER  
GROUNDWATER  
CONSERVATION  
DISTRICT**

**BOARD MEETING**

Greater Texoma Utility Authority Board Room  
5100 Airport Drive  
Denison, Texas 75020

**THURSDAY  
FEBRUARY 20, 2025  
10:00 AM**

NOTICE OF PUBLIC MEETING  
OF THE  
BOARD OF DIRECTORS OF THE

**RED RIVER GROUNDWATER CONSERVATION DISTRICT**  
**Thursday, February 20, 2025, at 10:00 a.m.**

**MEETING LOCATION:**  
**Greater Texoma Utility Authority Board Room**  
**5100 Airport Drive**  
**Denison, Texas 75020**

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**Board Member Qualification for Office**

Board Member qualification for office will begin at 10:00 a.m.

1. Administer Oath of Office to new Board Members.
2. Receive signatures on Oath of Office and Statement of Appointed Officer forms.

**Board Meeting**

The Board Meeting will begin upon the adjournment of the Board Member Qualification for Office.

Notice is hereby given that the Board of Directors of the Red River Groundwater Conservation District (“District”) may discuss, consider, and take all necessary action, including expenditure of funds, regarding each of the agenda items below:

**Agenda:**

1. Pledge of Allegiance and Invocation.
2. Call to order, establish quorum; declare meeting open to the public.
3. Public Comment.
4. Consider and act upon approval of Minutes of December 19, 2024, Board Meeting.
5. Budget and Finance.
  - a. Review and approval of monthly invoices.
  - b. Receive monthly financial information.
6. Consider and act upon the ratification of the Interlocal Cooperation Contract between Red River Groundwater Conservation District and the State Office of Administrative Hearings related to the contested case hearing for the Mustang Special Utility District Permit Application.
7. Update and possible action regarding the process for the development of Desired Future Conditions (DFC).
8. Discussion and possible action regarding the District’s well spacing requirements.

9. Consider and act upon proposal to develop a District Groundwater Management Model for Red River GCD.
10. Consider and act upon compliance and enforcement activities for violations of District Rules.
11. General Manager's report: The General Manager will update the Board on operational, educational and other activities of the District.
  - a. Update on Injection/Disposal Well Monitoring Program
  - b. Well Registration Summary
  - c. Update on presentation on conflict of interest related to Board of Directors
  - d. March Board Meeting Date
12. Open forum / discussion of new business for future meeting agendas.
13. Adjourn.

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<sup>1</sup>The Board may vote and/or act upon each of the items listed in this agenda.

<sup>2</sup>At any time during the meeting or work session and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the Red River Groundwater Conservation District Board may meet in executive session on any of the above agenda items or other lawful items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); personnel matters (§551.074); and deliberation regarding security devices (§551.076). Any subject discussed in executive session may be subject to action during an open meeting.

<sup>3</sup> Persons with disabilities who plan to attend this meeting, and who may need assistance, are requested to contact Velma Starks at (800) 256-0935 two (2) working days prior to the meeting, so that appropriate arrangements can be made.

<sup>4</sup>For questions regarding this notice, please contact Velma Starks at (800) 256-0935, at [rrgcd@redrivergcd.org](mailto:rrgcd@redrivergcd.org) or at 5100 Airport Drive, Denison, TX 75020.

ATTACHMENT 4

**MINUTES OF THE BOARD OF DIRECTORS' BOARD MEETING  
RED RIVER GROUNDWATER CONSERVATION DISTRICT**

**Thursday, December 19, 2024**

**MEETING LOCATION:  
GREATER TEXOMA UTILITY AUTHORITY  
BOARD ROOM  
5100 AIRPORT DRIVE  
DENISON TX 75020**

Members Present: Chuck Dodd, David Gattis, Harold Latham, Mark Patterson, Mark Gibson, and Billy Stephens.

Members Absent: Mark Newhouse

Staff: Paul Sigle, Allen Burks, Stacy Patrick, Kristi Krider, Nichole Murphy, Wayne Parkman, Kenneth Elliott, and Velma Starks

Visitors: Kristen Fancher, Fancher Legal  
Stacey Reese, Stacey Reese Law

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**Preliminary Hearing Pursuant to District Rule 5.5**

Notice is hereby given that the Board of Directors of the Red River Groundwater Conservation District ("District") has scheduled a preliminary hearing on the following Production Permit Application:

**Applicant:** Mustang Special Utility District; 7985 FM 2931, Aubrey, TX 76227

**Location of Wells:**

- Cottonwood Well I (New): FM 902, Howe, TX 75459; Latitude: 33.529909°N Longitude: 96.650614°W; about 550 feet south of FM 902, and about 1,970 feet west of Farmington Rd, in Grayson County.
- Cottonwood Well 2 (New): Bradshaw Rd, Howe, TX 75459; Latitude: 33.514034°N Longitude: 96.664525°W; about 790 feet west of Bradshaw Rd, and about 1,400 feet north of McBee Rd, in Grayson County.

**Purpose of Use:** Municipal/Public Water System

**Requested Amount of Use:** 292,000,000 gallons per year

**Production Capacity of Wells:**

- Cottonwood Well 1: 600 gallons per minute
- Cottonwood Well 2: 1,000 gallons per minute

**Aquifer:** Trinity (Antlers)

**Agenda:**

1. Call to Order; establish quorum; declare hearing open to the public; introduction of Board.

Board President Mark Patterson called the meeting to order at 10:00 a.m.

2. Consider and act upon engagement letter from Stacey V. Reese Law PLLC for legal services.

Board Member Chuck Dodd made a motion to accept an engagement letter from Stacey V. Reese Law PLLC for legal services. Board Member Mark Gibson seconded the motion. Motion passed.

Board convened into Executive Session at 10:01 a.m. Board Member David Gattis abstained from the Executive Session.

Board reconvened into regular session at 10:28 a.m.

3. Public Comment on the Preliminary Hearing (verbal comments limited to three (3) minutes each).

Clint Philpott, City of Sherman, informed the Board that the City of Sherman sent a letter to Mustang, and he was here to answer any questions.

4. Consider and possible action on Mustang Special Utility District's request for the contested case hearing on its Production Permit Application to be conducted by the State Office of Administrative Hearings pursuant to Section 36.416 of the Texas Water Code.

Board Member Chuck Dodd made a motion that the contested case hearing on Mustang's Production Permit Application be conducted by the State Office of Administrative Hearings pursuant to Section 36.416 of the Texas Water Code and gave authorization to General Manager Paul Sigle and attorney Stacey Reese to act on behalf of RRGCD. Board Member Harold Latham seconded the motion. Motion passed 5-0. Board Member David Gattis abstained.

5. Consider and possible action on designating parties to the contested case hearing.

Action was taken in the pervious item.

6. Adjourn

Board President Mark Patterson adjourned the Preliminary Hearing at 10:30 a.m.

### Permit Hearing

#### **Agenda:**

1. Call to Order; establish quorum; declare hearing open to the public; introduction of Board.

Board President Mark Patterson called the Permit Hearing to order at 10:30 a.m., established quorum, declared hearing open to the public, and introduced the Board.

2. Review the Production Permit Application of:

**Permit Amendment**

- a. **Applicant:** Triple T Ranch Holding LLC; 761 Broadmoor Ln, Prosper, TX 75078  
**Location of Well:** Latitude: 33.737927°N, Longitude: 96.797228°W; about 2,481 feet east of Short Rd, and about 2,650 feet north of Bennett Ln, in Grayson County.  
**Purpose of Use:** Agriculture; Filling Pond(s)/Other Impoundment(s); Wildlife Management  
**Requested Amount of Use:** 4,000,000 gallons per year  
**Production Capacity of Well:** 175 gallons per minute  
**Aquifer:** Woodbine  
**Amendment:** Increase the capacity of the well from 100 gpm to 175 gpm. No increase in annual production amount.

General Manager Paul Sigle reviewed the permit application with the Board. Board Member David Gattis made a motion to approve the permit amendment. Board Member Billy Stephens seconded the motion. Motion passed unanimously.

**New Production Permit**

- b. **Applicant:** Blackland Development, LLC; 1892 Butler Rd, Wylie, TX 75098  
**Location of Well:** Hwy 160, Whitewright, TX 75491; Latitude: 33.402756°N Longitude: 96.401427°W; about 560 feet east of Hwy 160, and about 3,240 feet south of Desert Lake Rd, in Grayson County.  
**Purpose of Use:** Concrete Production; Aggregate Irrigation  
**Requested Amount of Use:** 34,000,000 gallons per year  
**Production Capacity of Wells:** 150 gallons per minute  
**Aquifer:** Woodbine

General Manager Paul Sigle reviewed the permit application with the Board. Discussion was held. Board Member David Gattis made a motion to approve the permit application. Board Member Mark Gibson seconded the motion. Motion passed unanimously.

3. Public Comment on the Production Permit Application (verbal comments limited to three (3) minutes each).

No comment

4. Consider and act upon the Production Permit Application, including designation of parties and/or granting or denying the Production Permit Application in whole or in part, as applicable.

Voted on individually.

5. Adjourn or continue permit hearing

Board President Mark Patterson adjourned the permit hearing at 10:35 a.m.

### **Board Meeting**

1. Pledge of Allegiance and Invocation.

Board President Mark Patterson led the group in the Pledge of Allegiance and Board Member Chuck Dodd offered the invocation for the group.

2. Call to order, establish quorum; declare meeting open to the public.

Board President Mark Patterson called the meeting to order at 10:36 a.m., established a quorum was present, and declared the meeting open to the public.

3. Public Comment.

No Public Comment.

4. Consider and act upon approval of Minutes of October 17, 2024, Board Meeting.

Board Member Chuck Dodd made a motion to approve the minutes of the October 17, 2024, meeting. The motion was seconded by Board Member David Gattis. Motion passed unanimously.

5. Budget and Finance.

- a. Review and approval of monthly invoices.

General Manager Paul Sigle reviewed the invoices with the Board. Discussion was held. Board Member Billy Stephens made the motion to approve the monthly invoices. Board Member Chuck Dodd seconded the motion. Motion passed unanimously.

- b. Receive monthly financial information.

General Manager Paul Sigle reviewed the District's monthly financial information with the Board.

6. Consider and act upon a Policy on covered applications and prohibited technology.

General Manager Paul Sigle provided background information for the Board. The Legislature passed a bill to ban Tik Tok on company owned devices. Public entities enacted a policy to prohibit Tik Tok on any Authority computers. Board Member Chuck Dodd made a motion to approve a Policy on covered applications and prohibited technology. Board Member David Gattis seconded the motion. Motion passed unanimously.

7. Update and possible action regarding the process for the development of Desired Future Conditions (DFC).

INTERA was approved for consulting services for DFC development and explanatory report.

8. Consider and act upon the Interlocal Agreement between GMA 8 Districts



NTGCD provides administrative services for GMA 8 districts. Districts will pay NTGCD their cost share for INTERA. NTGCD will pay INTERA. Discussion was held. Board Member David Gattis made a motion to approve the Interlocal Agreement between GMA 8 Districts. Board Member Harold Latham seconded the motion. Motion passed unanimously.

9. Consider and act upon compliance and enforcement activities for violations of District Rules.
  - a. Mustang Special Utility District

Board convened into Executive Session at 10:40 a.m. Board Member David Gattis abstained from the Executive Session.

Board reconvened into regular session at 10:49 a.m.

Board Member Chuck Dodd made a motion that both Mustang SUD, owner, and Santa Rosa Well Service, driller, be fined \$500 (major violation) each for drilling well without Production Permit from District prior to the drilling. Board Member Billy Stephens seconded the motion. Motion passed 5-0. Board Member David Gattis abstained.

10. General Manager's report: The General Manager will update the Board on operational, educational, and other activities of the District.

- a. Update on updating Rules and spacing requirements

General Manager Paul Sigle informed the Board that the size of wells, update the rules by James Beach and looking at other legislation are to be considered in updating rules and spacing requirements.

- b. Well Registration Summary

General Manager Paul Sigle reviewed the well registration summary with the Board. Eight new wells were registered in October and four new wells were registered in November.

- c. Update on Injection/Disposal Well Monitoring Program

no update

- d. Update on Historic Use Permit

The District is sending out letters regarding historic use permit.

The District is following up on letters already sent out and resending corrected letters to Chuck Dodd and others.

11. Open forum / discussion of new business for future meeting agendas.

Kristen Fancher to do presentation on conflict-of-interest rules and set policy on interpretation of conflict-of-interest rules.

Next scheduled meeting, January 16, 2025, may be cancelled if there is no permit application.

12. Adjourn.

Board President Mark Patterson declared the meeting adjourned at 10:58 a.m.

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Recording Secretary

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Secretary-Treasurer

ATTACHMENT 5 a.

RESOLUTION NO. 2025-02-01

**A RESOLUTION BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT AUTHORIZING PAYMENT OF ACCRUED LIABILITIES FOR THE MONTHS OF DECEMBER AND JANUARY**

The following liabilities are hereby presented for payment:

	<u>Amount</u>
<b><u>Administrative Services</u></b>	
GTUA - Monthly expenses for Jan 2025	23,101.16
GTUA - Monthly expenses for December 2024	9,840.27
<b><u>Contract Services</u></b>	
Intera Inc. - Tech support for Drip Drop/EPIC Eng & Consulting for period ending 03/31/24	199.08
LRE - Drip Drop System initial review and upgrade com - task 2.0-2.4	5,879.63
LRE - 1/2 of database upgrade	3,568.75
<b><u>Direct Costs</u></b>	
Statewide Plat Service - Monthly service charge for November and December 2024	100.00
NexTraq - GPS Service through Feb 2025	36.95
US Postal Service - PO Box Rental	418.00
<b><u>GMA-8 Fees</u></b>	
NTGCD - expenses for July - December 2024	66.75
NTGCD - expenses for Apr - December 2024	8,182.11
<b><u>Legal</u></b>	
Fancher Law - BOD general legal services through January 2025	3,052.00
Stacey Resse Law PLLC - Mustang SUD	2,550.00
<b><u>Refunds and Overpayments</u></b>	
Daniel & Brown Inc. - driller deposit	100.00
Prater Water Wells - driller deposit	100.00
Geothermal Advantage - driller deposit	100.00
M5 Drilling - driller deposit	100.00
Action Water Wells - driller deposit	100.00
Central Water Well - driller deposit	500.00
M5 Drilling - driller deposit	100.00
Action Wtr Well - driller deposit	100.00
Action Wtr Well - driller deposit	100.00
Action Wtr Well - driller deposit	100.00
Alice Mussett - overpmt	50.00
Casey Gann - driller deposit	100.00
Whitewright - driller deposit	100.00
Robert and Ncy Wudeck - driller deposit	100.00
<b>GRAND TOTAL:</b>	<b><u><u>58,744.70</u></u></b>

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT THAT the Secretary-Treasurer is hereby authorized to make payments in the amounts listed above.

On motion of \_\_\_\_\_ and seconded by:

\_\_\_\_\_, the foregoing Resolution was passed and approved on this, the 20th. day of February 2025

by the following vote:

AYE:

NAY:

At a meeting of the Board of Directors of the Red River Groundwater Conservation District.

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President

ATTEST:

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Secretary/Treasurer

ATTACHMENT 5 b.

**RED RIVER GROUNDWATER**  
**Balance Sheet**  
As of January 31, 2025

**ASSETS**

**Current Assets**

**Checking/Savings**

10001 CASH-First United	207,036.57
10005 BANK OZK CDRS	0.00
10025 A/R CONSUMPTION	84,589.86
10230 A/R Violation Fees	0.00
10101 ALLOWANCE FOR UNCOLLECT	-1,530.00
10210 A/R WELL APPLICATION FEES	-5,300.00
10010 INVESTMENTS	883,841.30
10230 PP EXPENSES	1,951.50

**TOTAL ASSETS** 1,170,589.23

**LIABILITIES & EQUITY**

**Liabilities**

**Current Liabilities**

**Accounts Payable**

23100 ACCOUNTS PAYABLE	32,231.87
23150 DRILLERS DEPOSIT LIAB	8,200.00
23160 DEPOSIT - SOAH	24,500.00

**Total Other Current Liabilities** 64,931.87

**Total Current Liabilities** 64,931.87

**Total Liabilities** 64,931.87

**Equity**

35100 RETAINED EARNINGS 1,137,596.81

Net Income -31,939.45

**Total Equity** 1,105,657.36

**TOTAL LIABILITIES & EQUITY** 1,170,589.23

**RED RIVER GROUNDWATER**  
**Profit & Loss Budget vs. Actual**  
**January 31, 2025**

	<u>Current Actual</u>	<u>Current Budget</u>	<u>YTD Actual</u>	<u>Total Budget</u>	<u>% of Budget Remaining</u>
<b>Income</b>					
46002 GW PRODUCTION	6.30	0.00	6.30	267,948.07	100.00%
46005 LATE FEES	-13.20	0.00	-13.20	0.00	0.00%
46006 VIOLATION FEES	0.00	0.00	0.00	0.00	0.00%
46015 REGISTRATION FEES	700.00	833.00	700.00	10,000.00	93.00%
46020 PERMITTING FEES	0.00	583.00	0.00	7,000.00	0.00%
46100 INTEREST INCOME	0.00	1,333.00	0.00	15,000.00	100.00%
<b>Total Income</b>	<u>693.10</u>	<u>2,749.00</u>	<u>693.10</u>	<u>299,948.07</u>	<u>99.77%</u>
<b>Gross Profit</b>	693.10	2,749.00	693.10	299,948.07	
<b>Expense</b>					
77010 ADMINISTRATIVE COST	12,561.25	8,750.00	12,561.25	90,000.00	86.04%
77020 ADVERTISING	0.00	83.00	0.00	4,000.00	100.00%
77027 AUDITING	0.00	0.00	0.00	7,350.00	100.00%
77031 BANKING FEES	22.20	83.00	22.20	1,000.00	97.78%
77032 CONTRACT SERVICES	0.00	4,392.00	0.00	167,000.00	100.00%
77035 FIELD TECH	6,035.75	5,417.00	6,035.75	55,000.00	89.03%
77040 DIRECT COST	255.10	375.00	255.10	4,500.00	94.33%
77045 FIELD PERMITTING SPECIAL	2,574.00	2,917.00	2,574.00	35,000.00	92.65%
77450 DUES & SUBSCRIPTIONS	0.00	333.00	0.00	4,000.00	100.00%
77480 EQUIPMENT	0.00	167.00	0.00	38,432.00	100.00%
77500 FEES-GMA8	0.00	0.00	0.00	9,600.00	100.00%
77810 INSURANCE AND BONDING	325.25	367.00	325.25	5,000.00	93.50%
77850 GENERIC SOFTWARE SVC	0.00	208.00	0.00	2,500.00	100.00%
77970 LEGAL	3,052.00	1,250.00	3,052.00	20,000.00	84.74%
77980 Legal - Legislature	0.00	0.00	0.00	30,000.00	100.00%
78010 MEETINGS AND CONFEREN	463.62	500.00	463.62	6,000.00	92.27%
78310 RENT	650.00	200.00	650.00	7,800.00	91.67%
78600 SOFTWARE MAINTENANCE	6,078.71	4,167.00	6,078.71	50,000.00	87.84%
78750 TELEPHONE	384.83	250.00	384.83	3,000.00	87.17%
78770 - TRANSPORTATION	229.84	417.00	229.84	4,000.00	94.25%
<b>Total Expense</b>	<u>32,632.55</u>	<u>29,876.00</u>	<u>32,632.55</u>	<u>544,182.00</u>	<u>94.00%</u>
<b>Net Income</b>	<u><u>-31,939.45</u></u>	<u><u>-27,127.00</u></u>	<u><u>-31,939.45</u></u>	<u><u>-244,233.93</u></u>	



ATTACHMENT 6

**INTERLOCAL COOPERATION CONTRACT BETWEEN  
THE RED RIVER GROUNDWATER CONSERVATION DISTRICT  
AND  
THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

This INTERLOCAL COOPERATION CONTRACT (“Contract”) is entered into by the governmental entities shown below as Contracting Parties, pursuant to the authority granted and in compliance with the provisions of Texas Government Code § 2003.021(b)(4) and Texas Water Code, Chapter 36, Subchapter M.

**I. CONTRACTING PARTIES**

**Receiving Entity: RED RIVER GROUNDWATER CONSERVATION DISTRICT**

Contact Person: Stacey Reese  
Stacey Reese Law, PLLC  
910 West Avenue, Suite 15  
Austin, TX 78701  
(512) 535-0742  
[stacey@staceyreese.law](mailto:stacey@staceyreese.law)

Mailing Address for Invoices: Paul M. Sigle, EIT, General Manager  
Red River Groundwater Conservation District  
P.O. Box 1214  
Sherman, TX 75091-1214  
(800) 256-0935  
[p.sigle@redrivergcd.org](mailto:p.sigle@redrivergcd.org)

**Performing Entity: STATE OFFICE OF ADMINISTRATIVE HEARINGS**

Contact Person: Shane Linkous, General Counsel  
State Office of Administrative Hearings  
300 W. 15th Street, Suite 504  
Austin, Texas 78711  
Office (512) 475-4993/Direct (512) 936-6624  
[shane.linkous@soah.texas.gov](mailto:shane.linkous@soah.texas.gov)

*with copy to:* [finance@soah.texas.gov](mailto:finance@soah.texas.gov)

## **II. STATEMENT OF SERVICES TO BE PERFORMED**

- a. Performing Entity shall provide administrative hearings services for Receiving Entity as necessary to conduct a contested case hearing pursuant to Texas Water Code § 36.416 regarding certain application(s) of the following Applicant(s) relating to groundwater well(s) in Receiving Entity's jurisdiction:

### **Mustang Special Utility District**

- b. Upon the acquisition of jurisdiction over the contested case, Performing Entity shall conduct all matters related to the contested case hearing, including all pre-hearing and post hearing matters, a hearing on the merits, and the issuance of a proposal for decision.
- c. A preliminary hearing to determine party status and standing is necessary for the contested case proceeding.
- d. If requested by the parties to the contested case proceeding, Performing Entity may also provide mediation services regarding the subject matter of this Contract.
- e. The preliminary and the hearing on the merits shall be conducted at SOAH's Austin Headquarters using Performing Entity's hybrid hearings technology as needed to allow case participants the option to be present in-person or appear virtually by videoconference, and to present digital evidence through display systems that can allow all parties to communicate, see each other, share documents, and view screens together during the hearing.
- f. Unless otherwise ordered by the presiding administrative law judge(s) in response to a motion of the parties, all prehearing conferences conducted by Performing Entity shall be conducted using a remote teleconferencing or videoconferencing platform controlled by Performing Entity.
- g. During the term of this Contract, Performing Entity shall act pursuant to applicable law, including Texas Government Code, Chapter 2001; Texas Government Code, Chapter 2003; Texas Water Code, Chapter 36, Subchapter M; and the rules and policies of Receiving Entity. During the pendency of the proceeding at SOAH, the procedures relating to the contested case shall be governed by the Performing Entity's Rules of Procedure as set forth in 1 Texas Administrative Code Chapter 155.

## **III. BASES FOR CALCULATING COSTS**

As compensation for the services to be performed and expenses incurred under this Contract by the Performing Entity, Receiving Entity agrees to reimburse Performing Entity as follows:

- a. For services performed during state fiscal year 2025 (September 1, 2024 - August 31, 2025), the fee of One Hundred Sixty-Five Dollars (\$165.00) per hour for services rendered by an administrative law judge, plus Forty-Two Dollars and Ninety Cents (\$42.90) per hour billed by an administrative law judge to be paid as reimbursement to the state General Revenue Fund

for employee benefit costs and salaries (General Appropriations Act, H.B. 1, 88th Legislature, R.S. 2023, Article VIII, SOAH Riders 3 and 7).

- b. Costs will be charged in 0.25-hour increments for each portion of an hour of services performed by Performing Entity.
- c. Costs incurred by Performing Entity shall include any travel time spent by SOAH administrative law judges if required for attendance of meetings or hearings at a location other than at SOAH's Austin Headquarters.
- d. In accordance with Texas Water Code § 36.408 and 1 Tex. Admin. Code § 155.423, SOAH requires that a court reporter's transcript be prepared of the contested case proceeding. Receiving Entity shall be responsible for the provision of court reporter services and shall pay costs associated with court reporter charges, subject to reasonable allocation of such costs among the parties to the hearing by the presiding administrative law judge(s).

#### IV. ESTIMATED COST:

The amount of this Contract is estimated to be **Twenty-Four Thousand Five Hundred and 00/100 Dollars (\$24,500.00)** for services rendered by Performing Entity. If it is determined that the estimated amount is insufficient to pay all of the Performing Entity's actual costs for providing the services, the Performing Entity is entitled to assess and collect the actual costs from Receiving Entity, based on Performing Entity's hourly billing rates set forth in Section III herein.

#### V. BILLING AND PAYMENT FOR SERVICES:

Performing Entity shall bill Receiving Entity monthly for services rendered. All invoices from Performing Entity to Receiving Entity shall provide an itemization of the costs for all Fees and Expenses incurred by Performing Entity during the billing period.

In accordance with Texas Water Code § 36.416(c), Performing Entity recognizes that the party requesting the hearing before SOAH is responsible for costs associated with this Contract by depositing with the Receiving Entity an amount sufficient to pay the estimated cost before the hearing begins. However, Receiving Entity is solely responsible for securing this deposit from the requesting party and for securing any funds that may be required in addition to this deposit if the actual costs associated with this Contract exceed the estimated amount of the initial deposit.

Payment of each invoice by the Receiving Entity is due no later than thirty (30) days after the date the Receiving Entity received the invoice. Receiving Entity shall pay for services received from appropriation items or accounts of Receiving Entity from which like expenditures would normally be paid.

#### VI. TERM OF CONTRACT:

The term of this Contract shall commence as of the last date of execution by the parties to the Contract, and shall terminate August 31, 2025, or when the services under this Contract are completed, whichever is earlier.

The Contracting Parties may extend the term of the contract by a written amendment signed by the Contracting Parties. Performing Agency's billing rates for any extension of the Contract term shall be subject to the rates and amounts set forth by the 89th Texas Legislature in the General Appropriations Act.

**VII. AUDIT OF CONTRACT:**

Performing Entity understands that acceptance of funds under this contract acts as acceptance of the authority of the State Auditor's Office, or any successor agency, to conduct an audit or investigation in connection with those funds. Performing Entity further agrees to cooperate fully with the State Auditor's Office or its successor in the conduct of the audit or investigation, including providing all records requested. Performing Entity will ensure that this clause concerning the authority to audit funds received indirectly by subcontractors through Performing Entity and the requirement to cooperate is included in any subcontract it awards.

**VIII. AMENDMENT:**

This Contract and each of its provisions shall be binding upon the Contracting Parties and may not be waived, modified, amended, or altered except by written amendment signed by the Contracting Parties.

**IX. DISPUTE RESOLUTION:**

The dispute resolution process provided for in Texas Government Code, Chapter 2009, must be used by Performing Entity and Receiving Entity to attempt to resolve all disputes arising under this Contract that cannot otherwise be resolved through informal negotiation. Any notice of dispute must be addressed to the contact representative as specified in Section I.

**SIGNATURE PAGE TO SOAH CONTRACT NUMBER 900-25-RRGCD.1**

THE UNDERSIGNED CONTRACTING PARTIES do hereby certify that (1) the services specified herein are necessary and essential for activities that are properly within the statutory functions and programs of the affected entities, (2) the proposed arrangements serve the interest of efficient and economical administration of government, and (3) the contracted services will be paid from current revenues available to the paying party.

RECEIVING ENTITY certifies that it has the authority to contract for Performing Entity's services by the authority granted in its enabling act and Texas Water Code, Chapter 36, Subchapter M.

PERFORMING ENTITY further certifies that it has the authority to perform the services contracted for by the authority granted in Texas Government Code § 2003.021(b)(4) and Texas Water Code, Chapter 36, subchapter M.

**PERFORMING ENTITY**

STATE OFFICE OF ADMINISTRATIVE HEARINGS

BY:

  
CHRISTOPHER S. MONSON  
CHIEF ADMINISTRATIVE LAW JUDGE

DATE:

1/16/25

**RECEIVING ENTITY**

RED RIVER GROUNDWATER CONSERVATION DISTRICT

BY:

  
PAUL M. SIGLE, EIT  
GENERAL MANAGER

DATE:

1/14/2025

Digitally signed by Paul Sigle  
DN: O=GTUA, CN=Paul Sigle, E=paul@gtua.org  
Reason: I am approving this document with my legally binding signature  
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ATTACHMENT 9



October 29, 2024

Mr. Paul Sigle  
General Manager  
North Texas and Red River Groundwater Conservation Districts  
PO Box 508  
Gainesville, TX 76241  
[p.sigle@northtexasgcd.org](mailto:p.sigle@northtexasgcd.org)

**Re: Proposal to Develop a District Groundwater Management Model for Red River and North Texas Groundwater Conservation Districts**

Dear Paul,

As requested by North Texas and Red River Groundwater Conservation Districts (Districts), Advanced Groundwater Solutions, LLC (AGS) has developed a proposal to develop a groundwater management model for the Districts. Please find our proposal, schedule and cost estimate enclosed.

We are excited about the project and appreciate the opportunity to work with you and the Districts. Please contact me at (512) 796-8636 if you have any questions.

Sincerely,

James A. Beach, PG  
Principal

Enclosures



## Proposal to Develop Groundwater Management Model for North Texas and Red River Groundwater Conservation Districts

October 29, 2024

The Texas Water Development Board (TWDB) North Trinity-Woodbine Groundwater Availability Model (NTWGAM) is a regional model designed to meet the objectives of the TWDB for Joint Groundwater planning (DFCs and MAGs) and Regional Water Planning. Due to its scale, it is less suitable for local assessments and requires significant time and resources to modify and use. The NTWGAM is currently being updated by Groundwater Management Area 8 using the USGS MODFLOW6 code. The goal of this project is to develop a localized and refined sub-model of the updated NTWGAM for the North Texas and Red River Groundwater Conservation Districts (the Districts) for use in groundwater management and permitting efforts. The sub-model will focus on the five counties that constitute the Districts, including Collin, Cooke, and Denton counties in NTGCD and Grayson and Fannin counties in Red River GCD.

The goals of the new model include:

1. Refining the hydrogeology and developing a more localized conceptual model and boundary conditions of District aquifers.
2. Refining the grid in critical areas to better define hydraulic communication between aquifers and streams.
3. Updating all the MODFLOW packages.
4. Re-calibrating to District data.
5. Creating a multi-model simulation that allows exchange between the sub-model and the TWDB NTWGAM.
6. Documenting the localized model in a report.

The proposed scope of work is based on the assumption that construction and calibration of the updated NTWGAM is complete, and data files are available

### **Scope of Work**

#### ***Task 1 – Review and Update Conceptual Model***

This task involves reviewing and updating the conceptual model for the Districts and will include:

- A review of the most recent data pertaining to aquifers, including formation structure, pumping tests, pumping data, recharge, hydraulic properties, and water levels.
- Assess whether the extent of the Glen Rose formation should be modified based on recent geophysical logs and wells.
- Review recent changes to the NTWGAM by GMA 8.
- Assess the available data for the shallow alluvium associated with the Red River and determine if refined vertical or lateral discretization is justified.
- Developing an updated conceptual model focused on hydrogeologic conditions in District aquifers.
- Complete draft report sections to document work completed in task.

### ***Task 2 – Review NTWGAM and Develop Sub-Model***

This task involves creating a sub-model from the updated NTWGAM for the area spanning the Districts:

- Perform simulations with the NTWGAM to establish a modeling baseline.
- Identifying an appropriate extent for the District sub-model and extracting model properties from the NTWGAM for the new extent.
- Performing simulations with the District sub-model to verify results are consistent with the NTWGAM.

### ***Task 3 – Refine Grid and Update Hydrogeologic Structure***

The NTWGAM grid uses a uniform rectilinear grid with each cell spanning a one-quarter mile by one-quarter mile area. Updates to the District sub-model grid may include:

- Conversion from a structured rectilinear grid to an unstructured grid to allow for efficient mesh refinement to accommodate complex geological features as appropriate.
- Local refinement to improve the numerical representation of local conditions where appropriate, such as along rivers.
- Assess the need for more vertical discretization in the shallow aquifer system to better simulate groundwater-surface water interaction as appropriate.

Some stratigraphic layer elevations were revised in the recent NTWGAM update. Additional updates to this dataset will be based on:

- Availability new geophysical log data to provide additional structural control.

- Notable discrepancies between existing structural control and layer elevations, especially in regard to the Glen Rose Formation and the location of Hydrogeologic region 1 and 2 as identified by Bureau of Economic Geology in the NTWGAM.

#### ***Task 4 – Update MODFLOW Datasets***

Several MODFLOW datasets were updated for the NTWGAM, including structure, pumping, recharge, and hydraulic properties. In addition, the end of the calibration period was extended from 2012 to 2020. The following revisions will be considered for the District sub-model:

- Extending the calibration period of the District sub-model if more recent data are available.
- General head or time-vary constant head packages will be employed to reflect observed water levels or hydraulic gradients at the sub-model boundaries.
- Revise sub-model pumping volumes and pumping well locations as needed to better represent District data.
- As appropriate, integrate well construction and completion in the MODFLOW6 Multi-Aquifer Well (MAW) package to represent wells screened across multiple formations.
- Review transmissivity, hydraulic conductivity, and storativity values in the NTWGAM and update where more recent aquifer test data are available.

#### ***Task 5 – District Model Calibration***

Model calibration will involve conducting multiple simulations and reasonably adjusting model parameters iteratively (e.g., hydraulic properties and boundary conditions) to minimize the difference between simulation results and historical observations.

- Establish calibration datasets using available and District water level and reported pumping estimates for the Trinity and Woodbine Aquifers.
- Use Parameter Estimation (PEST) code support model calibration and estimate potential spatial distribution of aquifer properties. PEST may also be used to assess how potential uncertainty in recharge and pumping affect calibration.
- Conduct sensitivity analysis on model parameters to explore parameter uncertainty.
- Document model calibration process, performance measures, parameter estimation, assumptions, and limitations with relevant tables and figures similar to the requirements for a TWDB GAM.
- Integrate the calibrated sub-model with the NTWGAM using the appropriate exchange packages and subpackages in MODFLOW.

### Task 6 – Predictive Simulations

- The calibrated District sub-model will be extended to include a predictive period through 2080.
- Develop a predictive model based on the calibrated model using predictive boundary conditions developed for the updated NTWGAM.
- Using the distribution of pumping in the Modeled Available Groundwater (MAG) adopted in 2021, assess the variation in predicted water level decline (drawdown) for comparison to the adopted DFCs associated with the MAGs.
- Document and present the assumptions and results of predictive simulations.

### Task 7 – Documentation and Model Report

AGS will document the work completed in each task and include the appropriate figures and discussion model assumptions and results. The Districts will be provided with a draft final report for internal and stakeholder review. AGS will incorporate revisions into the final document. Model files will be made available as part of the review and final deliverable.

### Task 8 – Progress Meetings and Project Management

AGS will provide a monthly progress report with the invoice to the Districts. We anticipate three in-person meetings with the Districts to provide project updates at appropriate project milestones, including at the end of Task 3 and 5, and after the model and report have been finalized.

## Schedule

The anticipated schedule is shown below. Some variation in the schedule may occur based on the availability of final NTWGAM model files.

Task	2025												2026					
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Task 1 – Review and Update Conceptual Model				*														
Task 2 – Review NTWGAM and Develop Sub-Model																		
Task 3 – Refine Grid and Update Hydrogeologic Structure						*												
Task 4 – Update MODFLOW Datasets									*									
Task 5 – District Model Calibration														*				
Task 6 – Predictive Simulations																*		
Task 7 – Documentation and Model Report																		*
Task 8 – Progress Meetings and Project Management																		

\* denotes milestone for internal draft report sections

## Budget

AGS proposes to perform the work on a time and materials basis for a not-to-exceed budget of \$431,460.00. The details of our budget are provided below.

AGS		Advanced Groundwater Solutions, LLC						
Advanced Groundwater Solutions, LLC		North Texas and Red River GCDs						
		District Management Model from NTWGAM						
Personnel		James Beach, PG	Bill Stein, PG	Ye Hong Chen, Ph.D.	Meghan Fuentes	Isaac Johnson		
Personnel Rate (\$/hr)		\$ 290	\$ 260	\$ 170	\$ 155	\$ 170		
Project Budget								
Task	Description	Hours	Hours	Hours	Hours	Hours	Expenses	Total
1	Review and Update Conceptual Model	16	20	40	80	80		\$ 42,640.00
2	Review NTWGAM and Develop Sub-Model	16		120		100		\$ 42,040.00
3	Refine Grid and Update Hydrogeologic Structure	16	80	80		120	\$ 1,000.00	\$ 60,440.00
4	Update MODFLOW Datasets	24		120	88	200		\$ 75,000.00
5	District Model Calibration	24		240		60		\$ 57,960.00
6	Predictive Simulations	40		120	40	100		\$ 55,200.00
7	Documentation and Model Report	60	20	120	40	120		\$ 69,600.00
8	Progress Meetings and Project Management	48		24		24	\$ 6,500.00	\$ 28,580.00
	Total Hours	244	120	864	248	804		
	Total Fee	\$ 70,760.00	\$ 31,200.00	\$ 146,880.00	\$ 38,440.00	\$ 136,680.00	\$ 7,500.00	\$ 431,460.00

ATTACHMENT 11 b.

**RED RIVER GROUNDWATER CONSERVATION DISTRICT**  
**Well Registration Summary**  
(as of 12/31/2024)

Well Type	Fannin	Grayson	Total RRGCD	New Registrations October 2024
Domestic	278	480	758	4
Public Water	61	197	258	0
Livestock	17	32	49	0
Agriculture	25	28	53	0
Commercial	9	22	31	0
Surface Impoundments	13	19	32	0
Oil / Gas	0	17	17	0
Golf Course	0	14	14	0
Irrigation	1	12	13	0
Monitoring	1	10	11	0
Industrial	0	8	8	0
*Other	1	2	3	0
<b>TOTALS</b>	<b>406</b>	<b>841</b>	<b>1247</b>	<b>4</b>

**NOTE: Plugged wells have been excluded**  
**\*Construction Water**

**RED RIVER GROUNDWATER CONSERVATION DISTRICT**  
**Well Registration Summary**  
 (as of 1/31/2025)

Well Type	Fannin	Grayson	Total RRGCD	New Registrations January 2025
Domestic	279	482	761	6
Public Water	61	199	260	2
Livestock	17	31	48	0
Agriculture	26	29	55	1
Commercial	9	22	31	0
Surface Impoundments	13	19	32	0
Oil / Gas	0	17	17	0
Golf Course	0	14	14	0
Irrigation	1	11	12	0
Monitoring	1	10	11	0
Industrial	0	9	9	1
*Other	1	3	4	0
<b>TOTALS</b>	<b>408</b>	<b>846</b>	<b>1254</b>	<b>11</b>

**NOTE: Plugged wells have been excluded**  
**\*Construction Water**



ADJOURN