



Every drop counts!

Board Meeting
&
Workshop

Clearwater Underground Water Conservation District
700 Kennedy Court
Belton, Texas

Wednesday
March 8, 2023
1:30 p.m.

**Clearwater Underground Water Conservation District
Board Members**

Leland Gersbach, Director Pct. 1

President

7872 Hackberry
Holland, TX 76534
Phone: 254-657-2679
E-mail: lgersbach@cuwcd.org

Work: Brockway, Gersbach, Franklin
& Niemeier P.C.

3520 SW H.K. Dodgen Loop
Temple, TX 76504
Phone: 254-773-9907
Fax: 254-773-1570

Gary Young, Director Pct. 2

Secretary

1314 Creek View
Salado, TX 76571
Cell Phone: 972-571-3118
E-mail: gyoung@cuwcd.org

Jody Williams, Director Pct. 3

15098 FM 437 South
P.O. Box 780
Rogers, TX 76569
Cell Phone: 254-493-4705
E-mail: jwilliams@cuwcd.org

Scott Brooks, Director Pct. 4

425 Mercy Ranch Rd.
Florence, TX 76527
Phone: 254-226-4000
E-mail: sbrooks@cuwcd.org

Director At-Large

Agenda

**NOTICE OF THE MEETING OF THE
CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT
March 8, 2023**

Notice is hereby given that the above-named Board will hold a Workshop and Board meeting on Wednesday, March 8, 2023, beginning at 1:30 p.m., in the Clearwater UWCD Board Room located at 700 Kennedy Court, Belton, Texas. The following items of business will be discussed¹.

Workshop:

1. Receive information on public hearings related to the Petition for Annexation of Western Portions of Williamson County.
2. Receive information related to the 88th Legislative Session and Groundwater Legislation.
3. Receive information related to Groundwater Management Area 8, per the Joint Planning and Development of the Round 4 Desired Future Conditions.

Board Meeting:

1. Invocation and Pledge of Allegiance.
2. Public comment².
3. Approve minutes of the February 15, 2023, Board meeting.
4. Discuss, consider, and take appropriate action, if necessary to swear in and administer oaths of office to the newly appointed At-Large Board Member, Mr. James Brown.
5. Discuss, consider, and take appropriate action, if necessary, to accept the monthly financial report for February 2023 (FY23) as presented.
6. Discuss, consider, and take appropriate action, if necessary, to accept the monthly investment fund account report for February 2023 (FY23) as presented.
7. Discuss, consider, and take appropriate action, if necessary, to accept the 2022 Annual Report as presented.
8. Discuss, consider, and take appropriate action, if necessary, to approve the Interlocal Agreement regarding Groundwater Management Area 8 Funding and Texas Water Development Board participation for the Northern Trinity and Woodbine aquifers Groundwater Availability Model Update (GAM).
9. Discuss, consider, and take appropriate action, if necessary, to approve the FY23 line-item budget amendments as requested.
10. General Manager's report concerning office management and staffing related to District Management Plan³.
11. Receive monthly staff report and possible consideration and Board action on the following³:
 - a. Drought Status reports
 - b. Education Outreach update
 - c. Monitoring Well reports
 - d. Rainfall report
 - e. Well Registration update
 - f. Aquifer Status and Non-exempt Monthly Well Production reports
12. Director comments and reports³.
13. Discuss agenda items for the next meeting.
14. Set time and place for the next meeting.
15. Adjourn.

Dated the 3rd day of March, 2023

Leland Gersbach, Board President

By: Dirk Aaron
Dirk Aaron, Asst. Secretary

Agenda items may be considered, deliberated and/or acted upon in a different order than set forth above. The Clearwater Underground Water Conservation District is committed to compliance with the Americans with Disabilities Act (ADA). Reasonable accommodations and equal opportunity for effective communications will be provided upon request. Please contact the District office at 254-933-0120 at least 24 hours in advance if accommodation is needed.

¹During the meeting, the Board reserves the right to go into executive session for any of the purposes authorized under Chapter 551 of the Texas Government Code, for any item on the above agenda or as otherwise authorized by law.

²Citizens who desire to address the Board on any matter may sign up to do so prior to this meeting. Public comments will be received during this portion of the meeting. Please limit comments to 3 minutes. No discussion or final action will be taken by the Board except as authorized by section 551.042 of the Government Code.

³No formal action will be taken by the Board on these agenda items. These items are on the agenda to provide the District's staff, Public Task Force Committees, and Directors with an opportunity to bring to the public's and each other's attention important activities and issues pertinent to the management of groundwater within the District, including, but not limited to, current events in the District involving groundwater, wells, or District permittees, state or regional developments related to water management, and activities of the staff, Public Advisory Committee, and Directors. Substantive deliberation and formal action on any of these issues will be conducted pursuant to a specific item on a future agenda.

Minutes - Item #3

Clearwater Underground Water Conservation District Meeting
700 Kennedy Court
Belton, TX
Wednesday, February 15, 2023
Minutes

The Clearwater Underground Water Conservation District (CUWCD) held a Workshop at 10:00 a.m. and the Regular Board meeting at 1:30 p.m. on Wednesday, February 15, 2023, at the Clearwater UWCD Building, located at 700 Kennedy Court, Belton, Texas.

Board Members Present:

Leland Gersbach, President, Pct 1
Gary Young, Secretary, Pct 2
Jody Williams, Director, Pct 3
Scott Brooks, Director, Pct 4
Vacant position, Director, At-Large

Absent:

Staff:

Dirk Aaron, General Manager
Shelly Chapman, Admin Manager

Guests

Jim Brown	Amber Dankert	Joe Shepperd
Carl Ford	Kevin Cowan – LMS,CPA	Bracken Marburger
Sandra Blankenship – WCID#1	Tomas Reynoso, Jr	Tomas Reynoso, Sr

Board meeting convened with President, Leland Gersbach, at 1:34 p.m.

1. *Invocation and Pledge of Allegiance.*

Director, Jody Williams, gave the invocation.
Secretary, Gary Young, led the Pledge of Allegiance.

2. *Public Comment.*

None.

3. *Approve minutes of January 11, 2023, Board meeting.*

Board members received the minutes of January 11, 2023, Board meeting and workshop in their Board packet to review prior to the meeting.

Secretary, Gary Young, moved to approve the minutes of January 11, 2023, Board meeting and Workshop. Vice President, Jody Williams, seconded the motion.

Motion carried 4-0.

4. *Discuss, consider, and take appropriate action, if necessary, to accept the monthly Financial Report for January 2023 (FY23) as presented.*

Board members received the corrected monthly financial report for January 2023 in their Board packet to review prior to the meeting.

Secretary, Gary Young, moved to accept the corrected financial report for January 2023 as presented. Director, Scott Brooks, seconded the motion.

Motion carried 4-0.

5. *Discuss, consider, and take appropriate action, if necessary, to accept the monthly Investment Fund account report for January (FY23) as presented.*

Board members received the monthly Investment Fund account report for January 2023 in their Board packet to review prior to the meeting.

Secretary, Gary Young, moved to accept the monthly investment Fund account report for January 2023 as presented. Director, Scott Brooks, seconded the motion.

Motion carried 4-0.

6. Discuss, consider, and take appropriate action, if necessary, to approve the FY23 line-item budget amendments as requested.

Shelly and Dirk presented a request for line-item budget amendments to cover legal expenses related to the ACA petition for annexation.

Vendor	Line Item	Invoice Amount	Available Funds	Amount Requested	New Balance	From	Available Funds	New Balance
Lloyd Gosselink	53703-General	\$1,484.00	\$0.00	\$1,484.00	\$0.00	50250-Contingency Fund	\$47,718.24	\$46,234.24
	(Rules & Accountability)							

Vice President, Jody Williams, moved to approve the line-item budget amendments as requested. Secretary, Gary Young, seconded the motion.

Motion carried 4-0.

7. Reconvene show cause hearing on the following violation:

- a) *Discuss, consider, and take the appropriate action necessary upon receiving testimony related to the violation of District Rule 6.5 by drilling & completing a well on January 22, 2022, without a formal CUWCD permit on a tract of land less than 10 acres and great than or equal to 2 acres, Latitude 30.930066 ° Longitude - 97.701384° by both Raul Zavala (“Driller”) (TDLR License #54363) officed at 1910 S. Wheeler St., Jasper TX 76951 and Mr. Tomas Reynoso (“Property Owner”), located at 15731 Cedar Valley Rd, Salado TX.*

President, Leland Gersbach, reconvened the show cause hearing at 1:38 p.m.

As presiding office, Leland addressed the procedural issues and administered oaths to Tomas Reynoso Sr, Tomas Reynoso Jr, and CUWCD General Manager Dirk Aaron.

Dirk summarized the details of the hearing and gave an update on steps being taken to remedy the issues. He noted that Tomas Reynoso had hired an attorney to help guide him through the process. Dirk also stated that Tomas has not submitted an application for an operating permit yet. Dirk recommended the Board allow another 90-day continuance.

Tomas Reynoso Jr spoke on his father’s behalf. He confirmed that they have hired an attorney to help them with legal issues with the landowner that originally sold them the property. They are working through things with Mitchell & Associates as well as the County.

Leland asked if the Board had any other comments or questions. If not, he would conclude this portion of the hearing.

Director, Scott Brooks, asked if the show cause hearing could be closed since the violation was addressed and fines paid. Once the subdivision rule is worked out with the County, Tomas can come back to the Board with an application for an operating permit. Dirk agreed that is an option instead of extending the hearing another 90 days. The Board agreed.

Director, Scott Brooks, moved to close the show cause hearing and consider the issue resolved, and return for an operating permit once everything is worked out with the County. Secretary, Gary Young, seconded the motion.

Motion carried 4-0.

8. ***Discuss, consider, and take appropriate action, if necessary, to accept the FY22 Financial Audit as presented by the district's contracted auditing firm.***

Kevin Cowan, with Ludwick, Montgomery, and Stapp, presented the FY22 Financial Audit. He pointed out the highlights of the audit and noted that it was a clean audit.

Director, Scott Brooks moved to accept the FY22 Financial Audit as presented by the district's auditing firm. Vice President, Jody Williams, seconded the motion.

Motion carried 4-0.

9. ***Discuss, consider, and take appropriate action, if necessary, to appoint a Director for the At-Large Directorship upon completion of qualified candidate interviews for the position.***

Dirk introduced the candidates to be interviewed for the At-Large Directorship:

Jim Brown
Amber Dankert
Joe Shepperd
Carl Ford
Bracken Marburger

Leland asked the applicants if they would step out while each one was being interviewed. The applicants agreed. (Did not go into Executive Session. This was done as a courtesy to the applicants.)

The Board interviewed each applicant and asked a series of questions pertaining to their credentials, knowledge of the district and its purpose, and what their interest was in applying for a position on the Board. Each applicant was given an opportunity to answer all questions and give the Board any other information they felt would help the Board make the best selection.

Once all interviews were concluded, the Board discussed their thoughts and made suggestions for the candidate they thought would be the best fit. The field was narrowed down to 2 applications: Jim Brown and Joe Shepperd. After much discussion, the Board made their selection.

Leland asked the applicants to return to the Board room. He stated all the applicants brought something different to the Board. Each applicant was highly qualified for the position and the decision was a difficult one. The other Board members echoed Leland's comments. Leland thanked each applicant for applying and informed them that the Board had selected Jim Brown to fill the At-Large position.

Director, Scott Brooks, moved to appoint James (Jim) Brown as Director-At-Large. Vice President, Jody Williams, seconded the motion.

Motion carried 4-0.

10. ***Discuss, consider, and take appropriate action, if necessary, to approve the Interlocal Agreement related to the Four County Regional Groundwater Studies with Central Texas Groundwater Conservation District and Southwestern Travis County Groundwater Conservation District.***

Dirk presented the ILA related to the 4 County Regional Groundwater Studies. He explained the project and details related to the studies. He recommended the Board agree to the ILA and noted no other financial obligation is needed at this time. This ILA will just get the ball rolling.

Director, Scott Brooks, moved to approve the ILA related to the 4 County Regional Groundwater Studies the CTGCD and STCGCD. Secretary, Gary Young, seconded the motion.

Motion carried 4-0.

11. ***General Manager's report concerning office management and staffing related to District Management Plan.***

- Working on permit renewals. AW Hines permit is on hold. Zach Baird's permit has been withdrawn. Capp's permit has been withdrawn.
- Victory Rock is moving forward. They hired Billy Gamblin to work with them.
- Board has the draft of the Annual Report. Please have changes/corrections to Tristin by March 1st.
- There are several applications in the works.
- "Notice of Public Hearing" related to the ACA petition for annexation dates have been set, and ads will be running in area newspapers this week. Postings will be done on the 17th.
- Dirk gave his thoughts on the cost of the election for annexation.
- Update on the new building. 9 bids have been received.
- Benny Boyd Ranch has hired Collier Consultants. A meeting is scheduled for next week.
- Meeting scheduled with County Judge regarding RHCP.

12. Review monthly report and possible consideration and Board action on the following:

- Drought Status Reports***
- Education Outreach Update***
- Monitoring Wells***
- Rainfall Reports***
- Well Registration Update***
- Aquifer Status Report & Non-exempt Monthly Well Production Reports***

(Copies of the Monthly Staff Reports were given to the Board Members to review. No action is required. Information items only.)

13. Director's comments and reports.

- **Leland Gersbach:** Welcomed Jim Brown to the Board.
- **Jody Williams:** None
- **Gary Young:** Commented that this was an interesting meeting. Thanked staff for all the work they have been doing and welcomed Jim as a new Board Member.
- **Scott Brooks:** He commented about the level of knowledge of all those that applied for the At-Large position on the Board. It was a difficult decision to make.

14. Discuss agenda items for the next meeting.

- Final version of the Annual Report
- Oath of Office for Jim Brown

15. Set the time and place of the next meeting.

Wednesday, March 8, 2023, at 1:30 p.m. at the CUWCD office.

16. Adjourn.

Board Meeting closed with President, Leland Gersbach, at 5:16 p.m. and Workshop convened.

Workshop item #1: Receive annual report from Texas AgriLife 4-H Water Ambassador Program.

Dirk included a copy of the annual report in the workshop packet. No formal presentation at this time.

Workshop item #2: Receive updates related to the 2022 Bell County Water Symposium.

The balance sheet and evaluation info related to the Water Symposium is included in the packet.

Workshop item #3: Receive information related to Bell/Coryell Karst Coalition RHCP.

Dirk will be meeting with Judge Blackburn Thursday morning.

Workshop item #4: Receive a draft of the Annual Report for 2022.

Corrections and changes need to be in by March 1st.

Workshop item #5: Receive information related to the 88th Legislative Session and Groundwater Legislation.

Report from Ty Embry received. Dirk briefed the Board on the information

Workshop item #6: Receive information related to Groundwater Management Area 8, per the Joint Planning and Development of the Round 4 Desired Future Conditions.

Nothing new to report at this time.

Leland noted for the record that Jody Williams left the meeting at 4:20 p.m.

Workshop closed with President, Leland Gersbach, at 5:22 p.m.

Leland Gersbach, President

ATTEST:

Gary Young, Secretary or
Dirk Aaron, Assistant Secretary

Oaths of Office - Item #4

**Form 2201 - Statement of Officer
(General Information)**

The attached form is designed to meet minimal constitutional filing requirements pursuant to the relevant provisions. *This form and the information provided are not substitutes for the advice and services of an attorney.*

Execution and Delivery Instructions

A Statement of Officer required to be filed with the Office of the Secretary of State is considered filed once it has been received by this office.

Mail: P.O. Box 12887, Austin, Texas 78711-2887. NA

Overnight mail or hand deliveries: James Earl Rudder Officer Building, 1019 Brazos, Austin, Texas 78701.

Fax: (512) 463-5569.

Email: Scanned copies of the executed Statement may be sent to register@sos.texas.gov

NOTE: *The Statement of Officer form, commonly referred to as the "Anti-Bribery Statement," must be executed and filed with the Office of the Secretary of State before taking the Oath of Office (Form 2204).*

Commentary

Article XVI, section 1 of the Texas Constitution requires all elected or appointed state and local officers to take the official oath of office found in section 1(a) and to subscribe to the anti-bribery statement found in section 1(b) before entering upon the duties of their offices.

Elected and appointed state-level officers required to file the anti-bribery statement with the Office of the Secretary of State include members of the Legislature, the Secretary of State, and all other officers whose jurisdiction is coextensive with the boundaries of the state or who immediately belong to one of the three branches of state government. Questions about whether a particular officer is a state-level officer may be resolved by consulting relevant statutes, constitutional provisions, judicial decisions, and attorney general opinions. For more information, see Op. Tex. Att'y Gen. No. JC-0575 (2002) (determining the meaning of "state officer" as it is used in Article XVI).

Effective September 1, 2017, Senate Bill 1329, which was enacted by the 85th Legislature, Regular Session, amended chapter 602 of the Government Code to require the following judicial officers and judicial appointees to file their oath and statement of officer with the secretary of state:

Officers appointed by the supreme court, the court of criminal appeals, or the State Bar of Texas; and Associate judges appointed under Subchapter B or C, Chapter 201, Family Code.

Local officers must retain the signed anti-bribery statement with the official records of the office. *As a general rule, city and county officials do not file their oath of office with the Secretary of State— these officials file at the local level. The Legislature amended the Texas Constitution, Article 16, Section 1, in November 2001 to no longer require local level elected officials to file with our office. **The Office of the Secretary of State does NOT file Statements or Oaths from the following persons:*** Assistant District Attorneys; City Officials, including City Clerks, City Council Members, Municipal Judges, Justices of the Peace, and Police/Peace Officers; Zoning/Planning Commission Members; County Officials, including County Clerks, County Commissioners, County Judges, County Tax Assessors, and District Clerks; and Officials of Regional Entities, such as, Appraisal Review Districts, Emergency Service Districts, and School Districts (ISD's).

Questions about this form should be directed to the Government Filings Section at (512) 463-6334 or register@sos.texas.gov

Revised 05/2020

**Oath of Office
(General Information)**

The attached form is designed to meet minimal constitutional filing requirements pursuant to the relevant provisions. *This form and the information provided are not substitutes for the advice and services of an attorney.*

Execution and Delivery Instructions

The Oath is considered filed once it has been received by the custodian of records for the election.

NOTE: Do not have the Oath of Office administered to you before executing and filing the Statement of Officer (Commonly referred to as the "Anti-Bribery Statement") with the custodian of records for the election.

Commentary

All election judges, alternate election judges and early voting clerks must take the constitutional oath of office. Op. Tex. Att'y Gen. No. KP-140 (2017). Pursuant to art. XVI, Section 1 of the Texas Constitution, the Oath of Office *may not* be taken until a Statement of Officer has been subscribed to and filed with the custodian of records for the election. A Statement of Officer form required to be filed, is filed upon receipt by the custodian of records for the election. The Oath of Office may be administered by anyone authorized under the provisions of Chapter 602 of the Texas Government Code. Commonly used officials include notaries public and judges.

Election judges, alternate election judges, and early voting clerks are required to complete and file the constitutional oath of office with the custodian of the election records. Op. Tex. Att'y Gen. No. KP-140 (2017).

Questions about whether a particular election worker is required to complete the form may be resolved by consulting the Secretary of State, Elections Division at (800)252-2216, as well as relevant statutes, constitutional provisions, judicial decisions, and attorney general opinions.

Questions about this form should be directed to the Elections Division at (512) 463-5650 or elections@sos.texas.gov.

Revised 04 2017

Submit to:
SECRETARY OF STATE
Government Filings Section
P O Box 12887
Austin, TX 78711-2887
512-463-6334
512-463-5569 - Fax
Filing Fee: None



STATEMENT OF OFFICER

Statement

I, James D. Brown, do solemnly swear (or affirm) that I have not directly or indirectly paid, offered, promised to pay, contributed, or promised to contribute any money or thing of value, or promised any public office or employment for the giving or withholding of a vote at the election at which I was elected or as a reward to secure my appointment or confirmation, whichever the case may be, so help me God.

Title of Position to Which Elected/Appointed: Director at Large

Execution

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated therein are true.

Date: March 8, 2023

Signature of Officer

Rev. 04/2017

This space reserved for office use

Submit to:
Custodian of election records

Filing Fee: None



OATH OF OFFICE

IN THE NAME AND BY THE AUTHORITY OF THE STATE OF TEXAS,

I, James D. Brown, do solemnly swear (or affirm), that I will faithfully execute the duties of the office of Director at Large – Clearwater Underground Water Conservation District _____ of the State of Texas, and will to the best of my ability preserve, protect, and defend the Constitution and laws of the United States and of this State, so help me God.

Signature of Officer

.....
State of Texas)
County of Bell)

Sworn to and subscribed before me
this 8th day of March, 2023.

(seal)

Signature of Notary Public or Other Officer
Administering Oath
Shelly Chapman

Printed or Typed Name

Financial Reports - Item #5

Clearwater Underground Water Conservation
Balance Sheet
As of February 28, 2023

03/02/23

Accrual Basis

	Feb 28, 23
ASSETS	
Current Assets	
Checking/Savings	
10005 · Cash-Reg Operating	25,607.48
10500 · Cash-TexPool Prime	722,378.24
10505 · Cash - TexPool	715,349.17
Total Checking/Savings	1,463,334.89
Other Current Assets	
11005 · Accounts Receivable - Taxes	22,425.93
Total Other Current Assets	22,425.93
Total Current Assets	1,485,760.82
Fixed Assets	
15005 · Land	59,981.29
15010 · Leasehold Improvements	19,000.00
15015 · Building	306,734.08
15016 · Storage Building	104,382.03
15018 · Monitor Wells	92,938.18
15019 · Mobile Classroom Trailer	90,688.85
15020 · Field Equipment	17,243.55
15023 · Vehicles	6,920.00
15025 · Office Equipment	71,574.04
15030 · Accumulated Depreciation	-208,221.30
Total Fixed Assets	561,240.72
TOTAL ASSETS	2,047,001.54
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
21000 · Deferred Tax Revenue	22,425.93
21050 · Compensated Absences Accrued	13,352.88
24000 · Payroll Liabilities	
24005 · Retirement Acct	1,984.84
24010 · TWC	35.63
Total 24000 · Payroll Liabilities	2,020.47
Total Other Current Liabilities	37,799.28
Total Current Liabilities	37,799.28
Total Liabilities	37,799.28
Equity	
31000 · Unappropriated Fund Balance	863,207.26
32000 · *Retained Earnings	90,365.81
33000 · Investment in Fixed Assets	592,189.66
Net Income	463,439.53
Total Equity	2,009,202.26
TOTAL LIABILITIES & EQUITY	2,047,001.54

Clearwater Underground Water Conservation
Profit & Loss Budget vs. Actual
 October 2022 through September 2023

1:58 PM

03/02/2023
 Accrual Basis

	Feb '23	Oct '22 thru Feb '23	FY23 Original Budget	FY23 Amended Budget	\$ Over Budget
Ordinary Income/Expense					
Income					
40005 · Application Fee Income	0.00	884.00	50,000.00	50,000.00	-49,116.00
40007 · Administrative Fees	0.00	150.00	0.00	0.00	150.00
40010 · Bell CAD Current Year Tax	64,913.17	705,916.30	816,578.00	816,578.00	-110,661.70
40015 · Bell CAD Delinquent Tax	802.48	3,308.31	10,000.00	10,000.00	-6,691.69
40020 · Interest Income	5,073.49	20,862.22	1,000.00	1,000.00	19,862.22
40030 · Transport Fee Income	0.00	0.00	1,500.00	1,500.00	-1,500.00
40035 · Civil Penalties	0.00	0.00	0.00	0.00	0.00
Total Income	70,789.14	731,120.83	879,078.00	879,078.00	-147,957.17
Gross Profit	70,789.14	731,120.83	879,078.00	879,078.00	-147,957.17
Expense					
50000 · Administrative Expenses					
50100 · Audit	8,400.00	8,400.00	8,500.00	8,500.00	-100.00
50200 · Conferences & Prof Development	525.00	1,600.00	4,000.00	4,000.00	-2,400.00
50250 · Contingency Fund	0.00	0.00	61,545.00	46,234.24	-46,234.24
50300 · Director Expenses					
50305 · At Large	0.00	0.00	1,500.00	1,500.00	-1,500.00
50310 · Pct. 1	0.00	0.00	1,500.00	1,500.00	-1,500.00
50315 · Pct. 2	0.00	0.00	1,500.00	1,500.00	-1,500.00
50320 · Pct. 3	0.00	0.00	1,500.00	1,500.00	-1,500.00
50325 · Pct. 4	0.00	0.00	1,500.00	1,500.00	-1,500.00
Total 50300 · Director Expenses	0.00	0.00	7,500.00	7,500.00	-7,500.00
50400 · Director Fees					
50405 · At Large	0.00	450.00	2,550.00	2,550.00	-2,100.00
50410 · Pct. 1	0.00	0.00	2,550.00	2,550.00	-2,550.00
50415 · Pct. 2	0.00	600.00	2,550.00	2,550.00	-1,950.00
50420 · Pct. 3	0.00	600.00	2,550.00	2,550.00	-1,950.00
50425 · Pct. 4	0.00	0.00	2,550.00	2,550.00	-2,550.00
Total 50400 · Director Fees	0.00	1,650.00	12,750.00	12,750.00	-11,100.00
50500 · Dues & Memberships	0.00	2,816.00	4,000.00	4,000.00	-1,184.00
50550 · Election Expense	0.00	0.00	5,000.00	5,000.00	-5,000.00
50600 · GMA 8 Expenses					
50605 · Technical Committee	0.00	1,522.50	5,000.00	5,000.00	-3,477.50
50610 · Administration	0.00	18.17	2,500.00	2,500.00	-2,481.83
Total 50600 · GMA 8 Expenses	0.00	1,540.67	7,500.00	7,500.00	-5,959.33
50700 · Meals	27.68	117.09	1,000.00	1,000.00	-882.91
50800 · Mileage Reimbursements	0.00	1,226.25	5,000.00	5,000.00	-3,773.75
50900 · Travel & Hotel	333.80	1,256.00	5,175.00	5,175.00	-3,919.00
Total 50000 · Administrative Expenses	9,286.48	18,606.01	121,970.00	106,659.24	-88,053.23

	Feb '23	Oct '22 thru Feb '23	FY23 Original Budget	FY23 Amended Budget	\$ Over Budget
52000 · Salary Costs					
52005 · Administrative Assistant	4,830.00	24,150.00	57,960.00	57,960.00	-33,810.00
52010 · Educational Coord/Support Tech	4,312.50	21,562.50	51,750.00	51,750.00	-30,187.50
52015 · Manager	8,625.00	43,125.00	103,500.00	103,500.00	-60,375.00
52020 · Part Time/Intern	0.00	0.00	4,500.00	4,500.00	-4,500.00
52025 · Office Assistant/Field Tech	4,053.75	20,268.75	48,645.00	48,645.00	-28,376.25
52040 · Health Insurance	2,540.00	15,653.95	34,525.00	34,525.00	-18,871.05
52045 · Payroll Taxes & Work Comp	1,758.77	8,683.59	26,636.00	26,636.00	-17,952.41
52050 · Retirement	889.83	4,449.15	11,986.00	11,986.00	-7,536.85
52055 · Payroll Expenses	46.65	176.96	425.00	425.00	-248.04
52060 · Freshbenies	44.00	220.00	528.00	528.00	-308.00
Total 52000 · Salary Costs	27,100.50	138,289.90	340,455.00	340,455.00	-202,165.10
53000 · Operating Expenses					
53010 · Bank Service Charges	0.00	10.00	350.00	350.00	-340.00
53020 · Advertisement	0.00	455.50	4,000.00	4,000.00	-3,544.50
53030 · Appraisal District	0.00	1,772.17	9,000.00	9,000.00	-7,227.83
53100 · Clearwater Studies					
53105 · Trinity Studies					
53105.1 · Pumping Distribution	0.00	0.00	0.00	0.00	0.00
53105.2 · Pumping Test	0.00	0.00	4,000.00	4,000.00	-4,000.00
53105.3 · Synoptic	0.00	0.00	0.00	0.00	0.00
53105.4 · GAM Run (GMM)	1,627.50	8,364.50	74,000.00	84,077.25	-75,712.75
53105.5 · Mgmt Options	0.00	0.00	0.00	0.00	0.00
53105.6 · Water Quality Studies	0.00	0.00	12,600.00	12,600.00	-12,600.00
Total 53105 · Trinity Studies	1,627.50	8,364.50	90,600.00	100,677.25	-92,312.75
53110 · Edwards BFZ Studies					
53110.1 · Pumping Distribution	0.00	0.00	0.00	0.00	0.00
53110.2 · Pumping Test	0.00	0.00	4,000.00	4,000.00	-4,000.00
53110.3 · Synoptic	0.00	0.00	0.00	0.00	0.00
53110.4 · Spring Shed (Baylor)	0.00	20,000.00	20,000.00	20,000.00	0.00
53110.5 · Water Quality Studies	0.00	0.00	0.00	0.00	0.00
53110.6 · GAM Calibration	0.00	0.00	5,000.00	5,000.00	-5,000.00
Total 53110 · Edwards BFZ Studies	0.00	20,000.00	29,000.00	29,000.00	-9,000.00
53115 · Drought Contingency Plan	0.00	0.00	0.00	0.00	0.00
53120 · Endangered Species					
53120.1 · Coalition	0.00	0.00	15,000.00	15,000.00	-15,000.00
53120.2 · Reimbursable Order	0.00	0.00	0.00	0.00	0.00
53120.3 · 4(d) rule	0.00	0.00	0.00	0.00	0.00
53120.4 · DPS Petition	0.00	0.00	0.00	0.00	0.00
Total 53120 · Endangered Species	0.00	0.00	15,000.00	15,000.00	-15,000.00
53125 · Environmental Flows	0.00	0.00	0.00	0.00	0.00

	Feb '23	Oct '22 thru Feb '23	FY23 Original Budget	FY23 Amended Budget	\$ Over Budget
53130 · General Consulting					
53130.1 · DFC Process	0.00	0.00	7,500.00	7,500.00	-7,500.00
53130.2 · Eval of Rules	0.00	0.00	0.00	0.00	0.00
53130.3 · Eval. Hydrogeologic Report	0.00	0.00	0.00	0.00	0.00
53130.4 · Investigations	1,987.50	5,641.50	8,000.00	8,000.00	-2,358.50
53130.5 · Geo Logging	0.00	0.00	5,000.00	5,000.00	-5,000.00
53130.6 · Aquifer Monitor Well Tool	0.00	0.00	0.00	0.00	0.00
53130.7 · ASR Study	0.00	0.00	0.00	0.00	0.00
53130.8 · Data Release	0.00	0.00	0.00	0.00	0.00
Total 53130 · General Consulting	1,987.50	5,641.50	20,500.00	20,500.00	-14,858.50
53135 · Monitor Well Construction	0.00	10,398.26	0.00	10,398.26	0.00
53140 · Monitor Wells Expenses	722.26	1,826.21	5,000.00	5,000.00	-3,173.79
53141 · Weather Station Expense	0.00	0.00	2,000.00	2,000.00	-2,000.00
53145 · Spring Flow Gauge	0.00	0.00	0.00	0.00	0.00
53150 · Water Quality	180.94	1,692.02	4,500.00	4,500.00	-2,807.98
53155 · 3-D Visualization	0.00	0.00	5,000.00	5,000.00	-5,000.00
Total 53100 · Clearwater Studies	4,518.20	47,922.49	171,600.00	192,075.51	-144,153.02
53200 · Spring Flow Gage System					
53205 · Op. & Maintenance	0.00	0.00	16,377.00	16,377.00	-16,377.00
53210 · Installation	0.00	0.00	0.00	0.00	0.00
Total 53200 · Spring Flow Gage System	0.00	0.00	16,377.00	16,377.00	-16,377.00
53300 · Computer Consulting					
53305 · Enhancements - Data Base	2,324.00	2,324.00	6,200.00	6,200.00	-3,876.00
53306 · Hosting - Data Base	288.00	288.00	2,000.00	2,000.00	-1,712.00
53310 · Hosting - PDI	0.00	0.00	0.00	0.00	0.00
53311 · Hosting - Website	0.00	75.00	0.00	300.00	-225.00
53312 · Enhancements - Website	0.00	0.00	0.00	0.00	0.00
53315 · IT Network Sustainment	675.00	3,075.00	5,400.00	7,800.00	-4,725.00
53317 · Management Tool Sustainment	0.00	0.00	1,500.00	1,500.00	-1,500.00
Total 53300 · Computer Consulting	3,287.00	5,762.00	15,100.00	17,800.00	-12,038.00
53400 · Computer Licenses/Virus Prtctn	120.50	526.00	1,500.00	1,908.00	-1,382.00
53450 · Computer Repairs and Supplies	0.00	0.00	2,000.00	2,000.00	-2,000.00
53500 · Computer Software & Hardware	0.00	1,682.90	5,000.00	5,000.00	-3,317.10
53550 · Copier/Scanner/Plotter	486.56	2,432.80	6,000.00	6,000.00	-3,567.20
53600 · Educational Outreach/Marketing					
53603 · Sponsorships	0.00	1,526.16	8,500.00	6,261.55	-4,735.39
53605 · Event Cost	0.00	3,738.45	2,500.00	4,738.45	-1,000.00
53615 · Promotional Items	0.00	1,584.00	5,000.00	5,000.00	-3,416.00
53620 · Supplies & Equipment	0.00	554.89	4,500.00	4,500.00	-3,945.11
53625 · Curriculum	0.00	0.00	0.00	0.00	0.00
Total 53600 · Educational Outreach/Marketing	0.00	7,403.50	20,500.00	20,500.00	-13,096.50

	Feb '23	Oct '22 thru Feb '23	FY23 Original Budget	FY23 Amended Budget	\$ Over Budget
53650 · Furniture & Equipment	0.00	-730.69	2,500.00	2,500.00	-3,230.69
53700 · Legal					
53701 · Drought Contingency Plan	0.00	0.00	0.00	0.00	0.00
53702 · Endangered Species	0.00	0.00	10,000.00	10,000.00	-10,000.00
53703 · General (rules/accountability)	1,484.00	11,804.50	10,000.00	11,804.50	0.00
53704 · Legislative Research/Analysis	0.00	2,059.00	2,500.00	2,500.00	-441.00
53705 · Legislative Services	0.00	0.00	35,000.00	35,000.00	-35,000.00
53706 · GMA/DFC/MAG support	0.00	0.00	10,000.00	10,000.00	-10,000.00
Total 53700 · Legal	1,484.00	13,863.50	67,500.00	69,304.50	-55,441.00
53720 · Office Supplies	115.75	1,844.51	3,500.00	3,500.00	-1,655.49
53730 · Permit Reviews					
53731 · Geoscience	2,047.50	8,841.26	25,000.00	25,000.00	-16,158.74
53732 · Legal Evaluation	0.00	0.00	25,000.00	25,000.00	-25,000.00
Total 53730 · Permit Reviews	2,047.50	8,841.26	50,000.00	50,000.00	-41,158.74
53740 · Postage	0.00	148.54	2,875.00	2,875.00	-2,726.46
53750 · Printing	0.00	0.00	2,500.00	2,500.00	-2,500.00
53760 · Reserve for Uncollected Taxes	0.00	0.00	20,000.00	20,000.00	-20,000.00
53780 · Subscriptions	34.13	139.10	900.00	900.00	-760.90
53785 · Mobile Classroom Expense	0.00	0.00	2,000.00	2,000.00	-2,000.00
53790 · Vehicle Expense	140.55	1,067.14	5,600.00	5,600.00	-4,532.86
Total 53000 · Operating Expenses	12,234.19	93,140.72	408,802.00	434,190.01	-341,049.29
54000 · Facility Costs					
54100 · Insurance					
54101 · Liability	0.00	2,020.76	2,400.00	2,100.00	-79.24
54102 · Property	0.00	2,094.26	2,220.00	2,220.00	-125.74
54103 · Surety Bonds	0.00	1,240.00	1,000.00	1,300.00	-60.00
54104 · Worker's Comp	0.00	905.52	1,100.00	1,100.00	-194.48
54105 · Liability - Vehicle	0.00	849.66	1,250.00	1,250.00	-400.34
Total 54100 · Insurance	0.00	7,110.20	7,970.00	7,970.00	-859.80
54200 · Building Repairs/Maintenance	1,600.00	3,762.16	8,000.00	8,000.00	-4,237.84
54300 · Janitorial Service	50.00	2,219.00	6,000.00	6,000.00	-3,781.00
54400 · Janitorial Supplies	62.02	102.28	750.00	750.00	-647.72
54500 · Lawn Maintenance/Service	0.00	900.00	3,000.00	3,000.00	-2,100.00
54600 · Security	0.00	149.75	375.00	375.00	-225.25
Total 54000 · Facility Costs	1,712.02	14,243.39	26,095.00	26,095.00	-11,851.61
55000 · Utilities					
55200 · Electricity	178.01	845.27	2,500.00	2,500.00	-1,654.73
55300 · Internet	220.90	642.70	2,900.00	2,900.00	-2,257.30
55400 · Phone	203.90	1,189.38	2,400.00	2,400.00	-1,210.62
55500 · Water/Garbage	189.23	723.93	2,300.00	2,300.00	-1,576.07
Total 55000 · Utilities	792.04	3,401.28	10,100.00	10,100.00	-6,698.72
Total Expense	51,125.23	267,681.30	907,422.00	917,499.25	-649,817.95
Net Ordinary Income	19,663.91	463,439.53	-28,344.00	-38,421.25	501,860.78

	Feb '23	Oct '22 thru Feb '23	FY23 Original Budget	FY23 Amended Budget	\$ Over Budget
Other Income/Expense					
Other Income					
61000 · Reserve Funds-Special Projects	0.00	0.00	28,344.00	28,344.00	-28,344.00
61050 · Reserve Funds from Prior Years	0.00	0.00	0.00	10,077.25	-10,077.25
Total Other Income	0.00	0.00	28,344.00	38,421.25	-38,421.25
Net Other Income	0.00	0.00	28,344.00	38,421.25	-38,421.25
Net Income	19,663.91	463,439.53	0.00	0.00	463,439.53

Clearwater Underground Water Conservation Profit & Loss Detail February 2023

Type	Date	Num	Name	Memo	Amount	Balance
Ordinary Income/Expense						
Income						
40010 · Bell CAD Current Year Tax						
Deposit	02/08/2023			Deposit	65,985.71	65,985.71
Deposit	02/08/2023			Deposit	7.12	65,992.83
Deposit	02/08/2023			Deposit	-1,163.55	64,829.28
Deposit	02/08/2023			Deposit	1.39	64,830.67
Deposit	02/08/2023			Deposit	118.03	64,948.70
Deposit	02/08/2023			Deposit	-35.53	64,913.17
Total 40010 · Bell CAD Current Year Tax					64,913.17	64,913.17
40015 · Bell CAD Deliquent Tax						
Deposit	02/08/2023			Deposit	906.65	906.65
Deposit	02/08/2023			Deposit	0.95	907.60
Deposit	02/08/2023			Deposit	-106.10	801.50
Deposit	02/08/2023			Deposit		801.50
Deposit	02/08/2023			Deposit	0.98	802.48
Total 40015 · Bell CAD Deliquent Tax					802.48	802.48
40020 · Interest Income						
Deposit	02/28/2023			Deposit	2,613.08	2,613.08
Deposit	02/28/2023			Deposit	2,460.41	5,073.49
Total 40020 · Interest Income					5,073.49	5,073.49
Total Income					70,789.14	70,789.14
Gross Profit					70,789.14	70,789.14
Expense						
50000 · Administrative Expenses						
50100 · Audit						
Bill	02/14/2023	Inv 2000121...	Ludwick, Montgomery &...	Inv 20001215...	8,400.00	8,400.00
Total 50100 · Audit					8,400.00	8,400.00
50200 · Conferences & Prof Development						
Bill	02/14/2023		Card Service Center	TWCA - Dirk	525.00	525.00
Total 50200 · Conferences & Prof Development					525.00	525.00
50700 · Meals						
Bill	02/14/2023		Card Service Center	meals - Dirk - ...	27.68	27.68
Total 50700 · Meals					27.68	27.68
50900 · Travel & Hotel						
Bill	02/14/2023		Card Service Center	TWCA - Dirk ...	257.80	257.80
Bill	02/14/2023		Card Service Center	Valet parking...	76.00	333.80
Total 50900 · Travel & Hotel					333.80	333.80
Total 50000 · Administrative Expenses					9,286.48	9,286.48
52000 · Salary Costs						
52005 · Administrative Assistant						
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	4,588.50	4,588.50
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	241.50	4,830.00
Total 52005 · Administrative Assistant					4,830.00	4,830.00
52010 · Educational Coord/Support Tech						
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	4,312.50	4,312.50
Total 52010 · Educational Coord/Support Tech					4,312.50	4,312.50

Clearwater Underground Water Conservation Profit & Loss Detail February 2023

03/02/23

Accrual Basis

Type	Date	Num	Name	Memo	Amount	Balance
52015 - Manager						
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	7,331.25	7,331.25
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	431.25	7,762.50
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	862.50	8,625.00
Total 52015 - Manager					8,625.00	8,625.00
52025 - Office Assistant/Field Tech						
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	3,952.41	3,952.41
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	101.34	4,053.75
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	0.00	4,053.75
Total 52025 - Office Assistant/Field Tech					4,053.75	4,053.75
52040 - Health Insurance						
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	500.00	500.00
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	500.00	1,000.00
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	0.00	1,000.00
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	989.98	1,989.98
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	-989.98	1,000.00
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	0.00	1,000.00
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	550.02	1,550.02
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	-550.02	1,000.00
Check	02/28/2023	SWHP-Mar23	Scott & White Health Pl...	ACH Approved	1,540.00	2,540.00
Total 52040 - Health Insurance					2,540.00	2,540.00
52045 - Payroll Taxes & Work Comp						
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	282.34	282.34
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	66.03	348.37
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	4.45	352.82
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	565.75	918.57
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	132.32	1,050.89
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	0.00	1,050.89
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	299.46	1,350.35
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	70.03	1,420.38
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	4.17	1,424.55
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	267.37	1,691.92
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	62.53	1,754.45
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	4.32	1,758.77
Total 52045 - Payroll Taxes & Work Comp					1,758.77	1,758.77
52050 - Retirement						
Paycheck	02/24/2023	DD1376	Corey C Dawson	Direct Deposit	204.92	204.92
Paycheck	02/24/2023	DD1377	Richard E Aaron	Direct Deposit	410.63	615.55
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	144.90	760.45
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	129.38	889.83
Total 52050 - Retirement					889.83	889.83
52055 - Payroll Expenses						
Bill	02/14/2023		Card Service Center		21.65	21.65
Check	02/24/2023	HSAfeeFeb23	Wex	HSA fee Feb...	25.00	46.65
Total 52055 - Payroll Expenses					46.65	46.65
52060 - Freshbenies						
Check	02/06/2023	Feb23-TS	New Benefits Ltd - Fres...	ACH Approv...	22.00	22.00
Check	02/06/2023	Feb23-SC	New Benefits Ltd - Fres...	ACH Approv...	22.00	44.00
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	22.00	66.00
Paycheck	02/24/2023	DD1378	Shelly Chapman	Direct Deposit	-22.00	44.00
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	22.00	66.00
Paycheck	02/24/2023	DD1379	Tristin S Smith	Direct Deposit	-22.00	44.00
Total 52060 - Freshbenies					44.00	44.00
Total 52000 - Salary Costs					27,100.50	27,100.50

**Clearwater Underground Water Conservation
Profit & Loss Detail
February 2023**

1:51 PM
03/02/23
Accrual Basis

Type	Date	Num	Name	Memo	Amount	Balance
53000 · Operating Expenses						
53100 · Clearwater Studies						
53105 · Trinity Studies						
53105.4 · GAM Run						
Bill	02/14/2023	Inv 9332	R.W. Harden & Assoc, I...	Inv 9332	1,627.50	1,627.50
			Total 53105.4 · GAM Run		1,627.50	1,627.50
			Total 53105 · Trinity Studies		1,627.50	1,627.50
53130 · General Consulting						
53130.4 · Investigations						
Bill	02/14/2023	Inv 9332	R.W. Harden & Assoc, I...	Inv 9332	1,987.50	1,987.50
			Total 53130.4 · Investigations		1,987.50	1,987.50
			Total 53130 · General Consulting		1,987.50	1,987.50
53140 · Monitor Wells Expenses						
Bill	02/14/2023		Card Service Center		722.26	722.26
			Total 53140 · Monitor Wells Expenses		722.26	722.26
53150 · Water Quality						
Bill	02/14/2023	Inv 13437570	HACH Company	Inv 13437570	180.94	180.94
			Total 53150 · Water Quality		180.94	180.94
			Total 53100 · Clearwater Studies		4,518.20	4,518.20
53300 · Computer Consulting						
53305 · Enhancements - Data Base						
Bill	02/14/2023	Inv 22081	LRE Water, LLC	Inv 22081	0.00	0.00
Bill	02/14/2023	21913	LRE Water, LLC	Inv 21913	2,324.00	2,324.00
			Total 53305 · Enhancements - Data Base		2,324.00	2,324.00
53306 · Hosting - Data Base						
Bill	02/14/2023	Inv 22081	LRE Water, LLC	Inv 22081	0.00	0.00
Bill	02/14/2023	21913	LRE Water, LLC	Inv 21913	288.00	288.00
			Total 53306 · Hosting - Data Base		288.00	288.00
53315 · IT Network Sustainment						
Bill	02/14/2023	Inv 19746	Engineer Austin, LLC	Inv 19746	650.00	650.00
Bill	02/14/2023	Inv 19746	Engineer Austin, LLC	Inv 19746	25.00	675.00
			Total 53315 · IT Network Sustainment		675.00	675.00
			Total 53300 · Computer Consulting		3,287.00	3,287.00
53400 · Computer Licenses/Virus Prtctn						
Bill	02/14/2023	Inv 19746	Engineer Austin, LLC	Inv 19746	120.50	120.50
			Total 53400 · Computer Licenses/Virus Prtctn		120.50	120.50
53550 · Copier/Scanner/Plotter						
Bill	02/14/2023	Inv 0181180...	Xerox	Inv 018118072	486.56	486.56
			Total 53550 · Copier/Scanner/Plotter		486.56	486.56
53700 · Legal						
53703 · General (rules/accountability)						
Bill	02/14/2023	Inv 97537658	Lloyd Gosselink Attorne...	Inv 97537658	1,484.00	1,484.00
			Total 53703 · General (rules/accountability)		1,484.00	1,484.00
			Total 53700 · Legal		1,484.00	1,484.00

Clearwater Underground Water Conservation Profit & Loss Detail February 2023

03/02/23

Accrual Basis

Type	Date	Num	Name	Memo	Amount	Balance
		53720 · Office Supplies				
Bill	02/14/2023		Card Service Center		115.75	115.75
		Total 53720 · Office Supplies			115.75	115.75
		53730 · Permit Reviews				
		53731 · Geoscience				
Bill	02/14/2023	Inv 9332	RREAF Holdings LLC	Inv 9332 - R...	2,047.50	2,047.50
		Total 53731 · Geoscience			2,047.50	2,047.50
		Total 53730 · Permit Reviews			2,047.50	2,047.50
		53780 · Subscriptions				
Bill	02/14/2023		Card Service Center	Am. Statesm...	34.13	34.13
		Total 53780 · Subscriptions			34.13	34.13
		53790 · Vehicle Expense				
Check	02/14/2023	Cefco-Feb23	CEFCO		140.55	140.55
		Total 53790 · Vehicle Expense			140.55	140.55
		Total 53000 · Operating Expenses			12,234.19	12,234.19
		54000 · Facility Costs				
		54200 · Building Repairs/Maintenance				
Bill	02/14/2023	Inv 118346	Hartman ABC Pest Con...	Inv 118346	100.00	100.00
Bill	02/14/2023	Maint agree...	Tanner Roofing Inc.	Annual maint...	1,500.00	1,600.00
		Total 54200 · Building Repairs/Maintenance			1,600.00	1,600.00
		54300 · Janitorial Service				
Bill	02/14/2023	Inv 3238-6728	Fish Window Cleaning	Inv 3238-6728	50.00	50.00
		Total 54300 · Janitorial Service			50.00	50.00
		54400 · Janitorial Supplies				
Bill	02/14/2023		Card Service Center		62.02	62.02
		Total 54400 · Janitorial Supplies			62.02	62.02
		Total 54000 · Facility Costs			1,712.02	1,712.02
		55000 · Utilities				
		55200 · Electricity				
Check	02/28/2023	FreePtMar23	Freepoint Energy Soluti...	ACH Approved	178.01	178.01
		Total 55200 · Electricity			178.01	178.01
		55300 · Internet				
Check	02/14/2023	Spect-Jan23	Spectrum (Charter Com...		110.45	110.45
Check	02/28/2023	Spect-Feb23	Spectrum (Charter Com...	ACH Approved	110.45	220.90
		Total 55300 · Internet			220.90	220.90
		55400 · Phone				
Bill	02/14/2023	Inv 47644	Folkerson Communicati...	Inv 47644	203.90	203.90
Check	02/14/2023	Spect-Jan23	Spectrum (Charter Com...		0.00	203.90
Check	02/28/2023	Spect-Feb23	Spectrum (Charter Com...		0.00	203.90
		Total 55400 · Phone			203.90	203.90

Clearwater Underground Water Conservation
Profit & Loss Detail
February 2023

Type	Date	Num	Name	Memo	Amount	Balance
		55500 · Water/Garbage				
Bill	02/14/2023		City of Belton		189.23	189.23
		Total 55500 · Water/Garbage			189.23	189.23
		Total 55000 · Utilities			792.04	792.04
		Total Expense			51,125.23	51,125.23
		Net Ordinary Income			19,663.91	19,663.91
Net Income					19,663.91	19,663.91

Clearwater Underground Water Conservation
A/P Aging Detail
As of March 1, 2023

<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Due Date</u>	<u>Aging</u>	<u>Open Balance</u>
Current						
Total Current						
1 - 30						
Total 1 - 30						
31 - 60						
Total 31 - 60						
61 - 90						
Total 61 - 90						
> 90						
Total > 90						
TOTAL						<hr/> <hr/>

Investment Fund - Item #6

TexPool Participant Services
1001 Texas Avenue, Suite 1150
Houston, TX 77022



Summary Statement

CLEARWATER UNDERGROUND WCD
ATTN DIRK AARON
PO BOX 1989
BELTON TX 76513-5989

Statement Period 02/01/2023 - 02/28/2023
Customer Service 1-866-TEX-POOL
Location ID 000079358

GENERAL FUND - 07935800001

Pool Name	Beginning Balance	Total Deposit	Total Withdrawal	Total Interest	Current Balance	Average Balance
TexPool	\$712,888.76	\$0.00	\$0.00	\$2,460.41	\$715,349.17	\$712,976.63
TexPool Prime	\$719,765.16	\$0.00	\$0.00	\$2,613.08	\$722,378.24	\$719,858.48
Total Dollar Value	\$1,432,653.92	\$0.00	\$0.00	\$5,073.49	\$1,437,727.41	

ACCOUNT TOTALS

Pool Name	Beginning Balance	Total Deposit	Total Withdrawal	Total Interest	Current Balance
TexPool	\$712,888.76 ✓	\$0.00 ✓	\$0.00 ✓	\$2,460.41 ✓	\$715,349.17
TexPool Prime	\$719,765.16 ✓	\$0.00 ✓	\$0.00 ✓	\$2,613.08 ✓	\$722,378.24
Total Dollar Value	\$1,432,653.92	\$0.00	\$0.00	\$5,073.49	\$1,437,727.41

3/2/2023
SEC

1:02 PM

03/02/23

**Clearwater Underground Water Conservation
Reconciliation Summary
10505 - Cash - TexPool, Period Ending 02/28/2023**

	<u>Feb 28, 23</u>
Beginning Balance	712,888.76
Cleared Transactions	
Deposits and Credits - 1 item	<u>2,460.41</u>
Total Cleared Transactions	<u>2,460.41</u>
Cleared Balance	<u>715,349.17</u>
Register Balance as of 02/28/2023	715,349.17
Ending Balance	715,349.17

1:01 PM

03/02/23

**Clearwater Underground Water Conservation
Reconciliation Summary
10500 · Cash-TexPool Prime, Period Ending 02/28/2023**

	<u>Feb 28, 23</u>
Beginning Balance	719,765.16
Cleared Transactions	.
Deposits and Credits - 1 item	<u>2,613.08</u>
Total Cleared Transactions	<u>2,613.08</u>
Cleared Balance	<u>722,378.24</u>
Register Balance as of 02/28/2023	722,378.24
Ending Balance	722,378.24

GMA 8 ILA - Item #8

GMA 8 Agenda
March 7, 2023

**NOTICE OF MEETING
GROUNDWATER MANAGEMENT AREA 8**

Notice is hereby given that the groundwater conservation districts located wholly or partially within Groundwater Management Area (GMA) 8, as designated by the Texas Water Development Board (TWDB), consisting of the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Northern Trinity Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Saratoga Underground Water Conservation District, Southern Trinity Groundwater Conservation District, and Upper Trinity Groundwater Conservation District will hold a **Joint Planning meeting at 10:00 A.M. on March 7, 2023** at the **Prairielands Groundwater Conservation District Office** located at **208 Kimberly Dr., Cleburne, Texas 76031**. The meeting will be open to the public. The following items of business will be discussed and potentially acted upon:

1. Invocation.
2. Call meeting to order and establish quorum.
3. Welcome and introductions.
4. Public comment.
5. Consider and act upon approval of minutes from the July 26, 2022, GMA 8 meeting.
6. Consider and possibly act upon all matters incident and related to a contract and scope of services with Intera Incorporated for Northern Trinity and Woodbine Aquifers Groundwater Availability Model Update.
7. Consider and act upon all matters incident and related to an Interlocal Agreement regarding Groundwater Management Area 8 Funding and Texas Water Development Board participation for Northern Trinity and Woodbine Aquifers Groundwater Availability Model Update.
8. Updates from the TWDB
9. Discussion of possible agenda items and dates for next GMA 8 meeting.
10. Closing comments.
11. Adjourn.

Dated this 20th day of February 2023

Mitchell Sodek, Chair
Groundwater Management Area 8

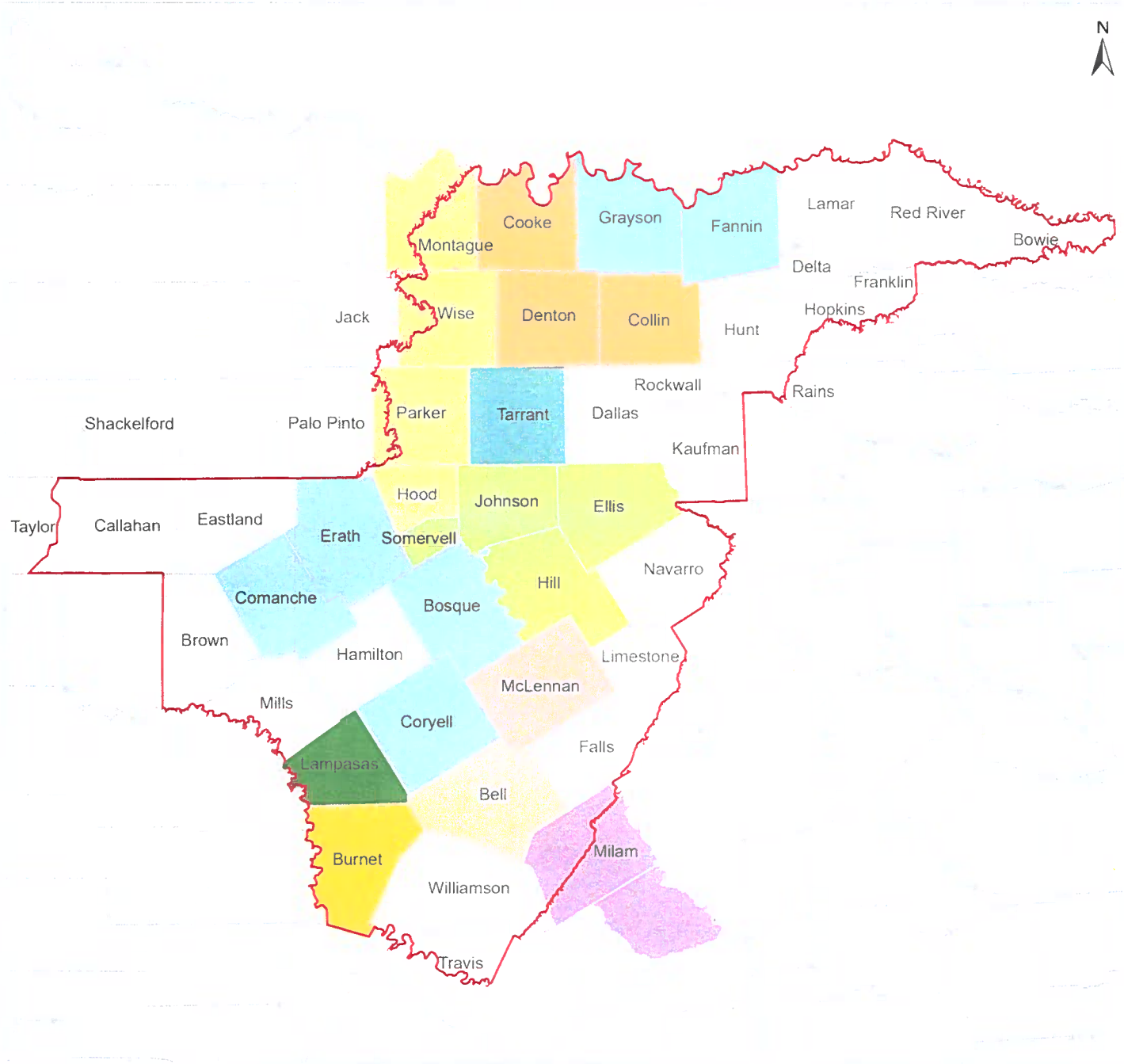
The above agenda schedules represent an estimate of the order for the indicated items and is subject to change at any time. These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting, please call (855) 426-4433 at least 24 hours in advance of the meeting to coordinate any special physical access arrangements.

For questions regarding this notice, please contact Velma Starks at (855) 426-4433, at ntgcd@northtexasgcd.org, or at 5100 Airport Drive, Denison, TX 75020.

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 Groundwater Management Area 8 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.

GMA 8 ILA

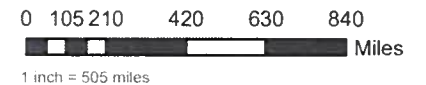
Groundwater Management Area 8



- Groundwater Management Areas
- Counties
- Groundwater Conservation Districts**
- Central Texas GCD
- Clearwater UWCD
- Middle Trinity GCD
- North Texas GCD
- Northern Trinity GCD
- Post Oak Savannah GCD
- Prairielands GCD
- Red River GCD
- Saratoga UWCD
- Southern Trinity GCD
- Upper Trinity GCD

DISCLAIMER
 This map was generated by the Texas Water Development Board. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate. Boundaries for groundwater conservation districts are approximate and may not accurately depict legal descriptions.

Updated 5/20/2021



**INTERLOCAL AGREEMENT REGARDING
GROUNDWATER MANAGEMENT AREA 8 FUNDING FOR UPDATE TO
GROUNDWATER AVAILABILITY MODEL**

THIS INTERLOCAL AGREEMENT REGARDING GROUNDWATER MANAGEMENT AREA 8 FUNDING FOR UPDATE TO GROUNDWATER AVAILABILITY MODEL (the "*Agreement*") is entered into between the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Northern Trinity Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Saratoga Underground Water Conservation District, Southern Trinity Groundwater Conservation District, and the Upper Trinity Groundwater Conservation District (collectively, the "*GMA 8 Districts*" or "*Parties*" and individually a "*GMA 8 District*" or "*Party*"), pursuant to the provisions of the Interlocal Cooperation Act, Chapter 791, Texas Government Code.

WHEREAS, each Party is a political subdivision of the State of Texas created under the authority of Article XVI, Section 59, of the Texas Constitution, and operates pursuant to the provisions of Chapter 36 of the Texas Water Code, and each Party's respective enabling act; and

WHEREAS, each Party's boundaries are wholly or partially within Groundwater Management Area 8 ("*GMA 8*"), as delineated by the Texas Water Development Board (the "*TWDB*") pursuant to Section 356.21 of TWDB Rules, Title 31 Texas Administrative Code § 356.21, as amended; and

WHEREAS, the GMA 8 Districts selected a consultant to update the Groundwater Availability Model for the Northern Trinity and Woodbine Aquifers ("*GAM*") for use in developing Desired Future Conditions for the relevant aquifers within GMA 8; and

WHEREAS, each Party has the authority provided in Chapter 791, Texas Government Code, its respective enabling act, Chapter 36 of the Texas Water Code, including, but not limited to, Sections 36.1086, 36.205, and 36.207 of the Texas Water Code, as amended, to enter into any and all such contracts as necessary to achieve the intent and purposes set forth herein; and

WHEREAS, the Parties desire to contract with each other in support of updating the GAM;
and

WHEREAS, the governing body of each GMA 8 District has authorized this Agreement.

NOW, THEREFORE, in consideration of the foregoing premises and the mutual promises, obligations, and agreements of the Parties contained in this Agreement, the Parties agree as follows:

I. SCOPE AND FUNDING

1.1 **Scope of Services.** The GMA 8 Districts have selected INTERA Incorporated and R.W. Harden & Associates (“*Consultant*”) in accordance with the Professional Services Procurement Act, Chapter 2254, Texas Government Code (“*Act*”), to perform the professional services necessary to update the GAM (the “*Project*”). The scope of work to be provided by Consultant is set forth in Exhibit A, attached hereto and incorporated herein for all purposes.

1.2 **Funding of Consultant Services.**

- (a) The GMA 8 Districts have negotiated a contract price pursuant to the Act for Consultant to perform the services of the Project in the amount of five-hundred and ninety-one thousand and one hundred dollars (\$591,100.00) (“*Contract Price*”), as set forth in Exhibit A. The North Texas Groundwater Conservation District (“*NTGCD*”) has been appointed by the groundwater conservation districts in GMA 8 as the administrative district for GMA 8, and NTGCD shall serve as the entity that will contract with Consultant to perform the services of the Project under Section 1.1 of this Agreement; provided, however that each GMA 8 District has the same obligations and interest under the Consultant contract and right to the data and information prepared by Consultant for the Project by virtue of funding the work performed. The contract between NTGCD and Consultant is entered into on behalf of all of the GMA 8 Districts in the interest of efficiency, and shall at a minimum include terms related to Force Majeure, remedies for breach, and any applicable representations and warranties to ensure timely delivery of the work product set forth in Exhibit A.
- (b) The GMA 8 Districts agree to each fund a portion of the Contract Price for the performance of Consultant services pursuant to the schedule set forth in Exhibit B, attached hereto and incorporated herein for all purposes. Any additional costs beyond the Contract Price must be agreed to in writing by all GMA 8 Districts prior to the cost being incurred. Nothing in this section or the Agreement shall be construed to require a Party to fund any additional cost beyond each Party’s portion of the Contract Price to which that Party does not agree to fund. Similarly, nothing in this section or this Agreement shall be construed as limiting a Party hereto, individually or in conjunction with any other Party/Parties comprising the GMA 8 Districts, from separately funding any other services beyond the Contract Price.
- (c) In the event an entity that is not a GMA 8 District approved by the GMA 8 Districts desires to contribute funding to the Contract Price and/or approved additional costs, such contribution shall thereby reduce each Party’s share of the funding on a pro rata basis.

1.3 **Payment of Consultant Services Costs.**

- (a) Upon receipt of an invoice from Consultant, NTGCD shall send an email to each GMA 8 District with the following: (a) a copy of the Consultant invoice; and (ii) a separate invoice from NTGCD reflecting the amount due from each GMA 8 District. Payment is

due from each GMA 8 District by check mailed to NTGCD not later than thirty (30) days from the date of the NTGCD invoice. NTGCD shall tender one payment to Consultant on behalf of the GMA 8 Districts, and has the discretion whether to do so prior to or after receipt of payment from some or all of the GMA 8 Districts. The GMA 8 Districts agree to provide payment to NTGCD as set forth herein under all circumstances, unless the GMA 8 Districts agree to halt or refuse payment on a particular Consultant invoice due to a dispute over services performed.

- (b) In the event a GMA 8 District is unable to timely render payment in accordance with Section 1.3(a) for any reason whatsoever (the “**Breaching District**”), such inability to pay does not relieve the GMA 8 District of the funding obligations hereunder, but shall require the other GMA 8 Districts to equally absorb the pro rata share of the Breaching District’s amounts owed to NTGCD. The GMA 8 Districts reserve the right to exercise all of the legal rights and remedies available under law and equity against any GMA 8 District that breaches this Agreement.
- (c) Any funding received from a third party under Section 1.2(c) towards payment of a Consultant invoice or total previously paid by the GMA 8 Districts shall serve as a credit on any future payments owed by the GMA 8 Districts. Any such credit shall be reflected on the following NTGCD invoices delivered to the GMA 8 Districts under Subsection (a) of this section.

II. GENERAL PROVISIONS

- 2.1 **Recitals.** The above recitals in this Agreement are true and correct and are incorporated into this Agreement for all purposes.
- 2.2 **Cooperation.** During the Term of this Agreement, the Parties agree to cooperate at all times in good faith to effectuate the purposes and intent of this Agreement.
- 2.3 **Compliance with Laws.** All activities of the Parties under this Agreement shall be in compliance with all applicable Federal, State, and Local rules, laws, and regulations.
- 2.4 **Authority.** This Agreement is made in part under the authority conferred in Chapter 791, Texas Government Code and Sections 36.1086, 36.205, and 36.207 of the Texas Water Code, as amended. Each Party represents and warrants that it has the full right, power and authority to execute this Agreement.
- 2.5 **Severability.** The provisions of this Agreement are severable and, if any provision of this Agreement is held to be invalid for any reason by a court or agency of competent jurisdiction, the remainder of this Agreement will not be affected, and this Agreement will be construed as if the invalid portion had never been contained herein.
- 2.6 **Assignment.** The assignment of this Agreement by any Party is prohibited without the prior written consent of all of the other Parties. All of the respective covenants, undertakings, and successors or assigns of that Party.

- 2.7 **Source of Payment; Pledge to Secure Payment.** The Parties represent and covenant that payments to be made by it under this Agreement shall constitute funds from the current fiscal year's revenues, as appropriated by each Party's Board of Directors through each Party's annual budget adopted in accordance with the applicable procedures of each Party.
- 2.8 **Third Party Beneficiaries.** Except as expressly provided for herein with regard to Consultant, nothing in this Agreement, express or implied, is intended to confer upon any person or entity, other than the Parties, any rights, benefits, or remedies under or by reason of this Agreement.
- 2.9 **Entire Agreement.** This Agreement contains the entire agreement of the Parties regarding the subject matter hereof and supersedes all prior or contemporaneous understandings or representations, whether oral or written, regarding the subject matter.
- 2.10 **Interpretation and Reliance.** No presumption will apply in favor of any Party in the interpretation of this Agreement or in the resolution of any ambiguity of any provisions hereof. Headings and captions used in this Agreement are for reference purposes only, and shall have no bearing on the interpretation of this Agreement.
- 2.11 **Relationship of Parties.** This Agreement is based upon the active participation of the Parties. Neither the execution nor the delivery of this Agreement shall create or constitute a partnership, joint venture, or any other form of business organization or arrangement between the Parties, except for the contractual arrangements specifically set forth in this Agreement. No Party shall have any power to assume or create any obligation on behalf of the other Party.
- 2.12 **Amendments.** Any amendment of this Agreement must be in writing and will be effective if it is signed by the authorized representatives of each the Parties.
- 2.13 **Applicable Law; Venue.** This Agreement will be construed in accordance with Texas laws. Venue for any action arising hereunder will be in a court of competent jurisdiction.
- 2.14 **Notices.** Any notices given under this Agreement will be effective if (i) forwarded to a Party by hand-delivery; (ii) transmitted to a Party by confirmed telecopy or electronic mail; or (iii) deposited with the U.S. Postal Service, postage prepaid, certified, to the official business address of a Party.
- 2.15 **Counterparts; Effect of Partial Execution.** This Agreement may be executed simultaneously in multiple counterparts, each of which will be deemed an original, but all of which will constitute the same instrument.
- 2.16 **No Waiver.** The failure of a Party or the Parties to require strict performance of any provision, term, or condition of this Agreement or to exercise any right or remedy shall not constitute or be construed as a waiver of the provision, term, or condition breached or any other provision, term or condition of this Agreement.

2.17 **Effective Date.** The effective date of this Agreement shall be the last date of execution of the Parties in the signature pages below.

(Signature Pages Follow)

(Signature page of Central Texas Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

CENTRAL TEXAS GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Clearwater Underground Water Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Middle Trinity Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of North Texas Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Northern Trinity Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

NORTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Post Oak Savannah Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Prairielands Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

PRAIRIELANDS GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Red River Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

RED RIVER GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Saratoga Underground Water Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

SARATOGA UNDERGROUND WATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Southern Trinity Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

(Signature page of Upper Trinity Groundwater Conservation District to Interlocal Agreement Regarding Groundwater Management Area 8 Funding for Development of Desired Future Conditions Joint Planning)

UPPER TRINITY GROUNDWATER CONSERVATION DISTRICT:

By: _____

Printed Name: _____

Title: _____

Date: _____

Exhibit A
INTERA - Scope of Work

Exhibit A

Scope of Services





INTERA Incorporated
Three Sugar Creek Center Blvd., Suite 675
Sugar Land, Texas 77478 USA
281.560.4560

January 5, 2023

Paul Sigle
General Manager
North Texas Groundwater Conservation District
5100 Airport Drive
Denison, Texas 75020

RE: Scope of Work and Cost Estimate for Updating the Groundwater Availability Model for the Trinity and Woodbine Aquifers in Groundwater Management Area 8

Dear Mr. Sigle,

On behalf of INTERA and R.W. Harden & Associates, thank you for the opportunity to submit this scope of work and cost estimate for updating the groundwater availability model (GAM) for the Trinity and Woodbine aquifers in Groundwater Management Area 8 (GMA 8). We enjoyed the opportunity to meet with you and the other members of the Selection Committee for GMA 8 and are very pleased to have this opportunity to work with you and the group on this project.

Below you will find our proposed scope of work and cost estimate. This scope is very consistent with the technical approach we presented in our Statement of Qualifications to the Committee.

Background

The joint-planning process is an adaptive management framework that recognizes the management of resources within a GMA can evolve with increased understanding, aquifer conditions, and the collection of additional data to inform management decisions. The GCDs that comprise GMA 8 have determined that the current NTWGAM developed in 2014 should be updated with newly available hydrogeologic data and the calibration period should be extended through 2020. GAMs play a critical role for GCDs because they are central to developing modeled available groundwater (MAG) which is a regional analysis. These models also serve as operational tools for local GCD management.

INTERA has led the construction of 13 GAMs and has helped over 30 GCDs and eight GMAs use these and other models to support the planning and management of groundwater resources. Through our interactions with stakeholders and TWDB staff, we are keenly aware of the importance of balancing model complexity and usability. Our modelers have developed specific tools for construction and calibration of models using MODFLOW 6. INTERA's Jeremy White, PhD is an expert on calibration and calibration workflows built on a foundation of scripting and open-source software tools, so that the numerous decisions and assumptions made during the modeling workflow are transparently and openly documented. During the NTWGAM re-calibration phase, we are proposing to use the Python package pyEMU to programmatically undertake parameter estimation, and the iterative ensemble smoother PESTPP-IES, which greatly reduces the computational demand of nonlinear, high-dimensional parameter estimation. INTERA recently presented a webinar on these techniques for the TWDB GAM group. Ultimately, the updated NTWGAM must meet the needs of the GMA and the member GCDs while also



meeting the standards and requirements for approval by the TWDB. INTERA's experience developing more TWDB-approved GAMs than any other firm in Texas will ensure these needs and requirements are met.

Scope of Work

The first task will be to convert the NTWGAM from MODFLOW-NWT to MODFLOW 6. This is a critical first step in the scope of work because it needs to be demonstrated that MODFLOW 6 can reliably reproduce the results of the 2014 NTWGAM. If the solutions between MODFLOW-NWT and MODFLOW 6 are not baselined, we run the risk of propagating errors in the updated model unrelated to the purposefully implemented modifications to the underlying model. The first subtask of Task A will be migrating the existing NTWGAM packages to MODFLOW 6 format. INTERA has converted many models to MODFLOW 6 over the last two years. We have developed scripts to support this process with error checking logic. To test the conversion and to identify any systematic differences between the codes, we will run the 2014 NTWGAM calibration simulation and the current GMA 8 MAG run. The end of this process represents a significant milestone, and we will meet with GMA 8 to provide a detailed analysis of the comparison of the two simulation codes.

Once we have demonstrated the successful conversion of the current NTWGAM to MODFLOW 6, we will meet with GMA 8 to discuss the objectives of the updated model with emphasis on correcting known errors, adding additional data collected by the GCDs, and improving functionality for groundwater management. For efficiency, this meeting can be combined with the model conversion meeting at the end of Task A. We will have already met with TWDB to discuss their interests in the update of the NTWGAM. Because of the importance of TWDB accepting the updated model, we will request that technical staff from TWDB attend any key model update meetings with GMA 8. Some of the already known key objectives of the model update are to extend the calibration period from 2012 through 2020, incorporate new data on structure and aquifer properties, and use the improved numerical capabilities of MODFLOW 6 to improve model efficiency, accuracy, and applicability to management at the district and GMA level.

To update the NTWGAM, we will establish an efficient workflow for model construction and calibration that minimizes construction errors and results in a purpose-built model. The applied workflow dictates how a groundwater model is constructed and deployed in a specific resource management context. This workflow deserves specific attention because it ultimately controls the quality and utility of the model. The INTERA Team brings experience applying reproducible modeling workflows built on a foundation of scripting and open-source software tools, so that all decisions and assumptions made during the modeling workflow are transparently and openly documented. The scripting-driven workflow brings significant advancements to improve efficiency, transparency, and ultimately quality, to all facets of the modeling process.

After we have met with GMA 8 and TWDB, and agreement has been reached on the particulars of the model update, we will start developing the updated model packages. The first subtask will be model discretization which includes horizontal grid size as well as layering. MODFLOW 6 enables revision of the model to an unstructured format, allowing variable grid dimensions as well as pinching and compositing layers that may exist in the current NTWGAM. The current model is difficult to use because of the large number of grid cells and the presence of a pass-through layer that connects the shallow outcrop portions of the aquifer from the deeper portions of the aquifer. We will explore simplifying this formulation for ease of use. We will also meet with GMA 8 and develop a rationale for relaxing the ¼-mile grid spacing in portions of the model grid where it is not required. Another place where model layering may be improved

is in the handling of the Northern Segment of the Edwards (Balcones Fault Zone [BFZ]) Aquifer. The TWDB is developing an updated Edwards (BFZ) Aquifer GAM, and the integration of layering and properties between this model and the updated NTWGAM will facilitate groundwater management for southern GCDs within GMA 8 through the more accurate evaluation of pumping impacts from the southernmost counties in the aquifer system. Many of the GMA 8 member GCDs have also characterized faulting that is currently not implemented in the 2014 NTWGAM. We will work closely with these GCDs to ensure that this faulting is accurately represented in the updated NTWGAM.

Several transient stress packages will require extension from 2012 through 2020, including pumping, recharge, stream routing, and evapotranspiration (ET). Stream routing will be implemented in a manner consistent with the 2014 NTWGAM. The USGS Soil-Water-Balance (SWB) model (Westenbroek and others, 2010; Westenbroek and others, 2018) can be used for estimating recharge on a grid similar to that used for groundwater availability models. The SWB model code was successfully demonstrated to the TWDB when applied by Mr. Keester during an analysis of changes in soil moisture in four watersheds in the Upper Colorado River Basin (Furnans and others, 2019) and in developing estimates of the temporal and spatial distribution of recharge for aquifers in central and west Texas (Sen and others, 2022). In addition, the USGS applied the SWB model code to develop estimates of recharge to the Gulf Coast Aquifer System as part of the ongoing development of the GULF-2023 model.

The SWB code uses a combination of gridded and tabular data to calculate potential groundwater recharge separately for each grid cell within a model domain. The SWB code evaluates the sources and sinks of water within each grid cell at and near land surface and then calculates recharge as difference between the change in soil moisture and the sources and sinks. Sources for recharge include precipitation and inflow (surface runoff from an adjacent grid cell) while sinks include evapotranspiration, outflow (surface runoff to an adjacent grid cell), and interception (rainfall trapped and used by vegetation and evaporated or transpired from plant surfaces).

Over the past several years, GCDs within GMA 8 have worked with the TWDB TexMesonet group to establish several stations for collecting climate and soil moisture data. These data can now be applied during development of a SWB model to constrain the parameters used for calculating daily evapotranspiration, soil moisture, and potential infiltration. We propose following the approach developed for the TWDB to create a similar ensemble SWB model for GMA 8 including calibration to TexMesonet data using PESTPP-IES (White and others, 2020) and results processing for watersheds and aquifer outcrops. Drawing upon our previous experience with the code and data we will also apply lessons learned to improve efficiency in model development and application.

Results from the SWB model will be used in conjunction with analyses of recharge and evapotranspiration documented for the current NTWGAM (Kelley and others, 2014). The proposed SWB model will serve to increase our understanding of the sources of aquifer inflow and outflow in the outcrop area. Development of the SWB model will allow GMA 8 to apply TexMesonet data to further inform the conceptual model of potential recharge to the Edwards, Woodbine, and Trinity aquifers.

Pumping will be updated from 2012 through 2020, using techniques for collection and allocation within the model domain consistent with the current NTWGAM with two exceptions. First, as part of collecting data from GCDs in GMA 8, we will obtain available data and analyses of groundwater use to compare to the water use data available through the TWDB. We will discuss major differences with both the GCDs and the TWDB to resolve any discrepancies in the new calibration period pumping data. Secondly, we will

ensure that the transition in pumping between the last historical period of the current NTWGAM (2012) and 2013 is consistent with climatological changes or known water use trends.

The GCDs within GMA 8 have been collecting a significant amount of data on aquifer properties, including hydraulic conductivity, transmissivity and storativity. For the 2014 NTWGAM, hydraulic conductivity was scaled to the model scale through development of a geohydrostratigraphic model that correlated aquifer test derived values of hydraulic conductivity with formation, lithology, and depositional environments. Using the geohydrostratigraphic approach for the NTWGAM update, aquifer parameters could be assigned to the model grid based on known geological factors and the model being constrained by the available aquifer test data. We will compare new aquifer test parameters based on aquifer tests to the calibrated values at a given grid cell. Next, we will develop an averaging scheme that allows integration of the new data into the existing model parameter fields. Prior to calibration, we will develop a comparison of the frequency distribution of aquifer properties from the current NTWGAM and the updated initial parameter field to ensure that constraints on parameter perturbation during calibration are still consistent with those originally used. This will allow consistency with the 2014 NTWGAM while honoring new values that are significantly different than those used in the current model.

We will update calibration targets for the extended calibration period from 2012 through 2020. These targets will include water levels, stream baseflow estimates, and spring flows. Water levels will be collected from TWDB's Groundwater Database and from monitoring data from GCDs. We will request information from each GCD on their DFC compliance monitoring network. Because of the importance of model fit at compliance monitoring wells, we will investigate weighting options for compliance network water levels in the calibration task (Task C). Because surface water interaction is becoming a more important management objective, we will query GCDs on key spring flows that are managed to and make sure they are being appropriately included in the updated NTWGAM. Once the model packages are updated, we will meet with GMA 8 to present implementation of the new packages from 2012 through 2020. TWDB staff will also attend this meeting. After addressing any comments, re-calibration of the model will begin.

At the end of Task A, we will have demonstrated that the converted MODFLOW 6 NTWGAM meets the original calibration criteria documented in the report, Kelley and others 2014. In Task C, we will extend the calibration period from 2012 to 2020. Because the updated model will be incorporating additional data on properties, structure, and discretization, we will calibrate the updated model from 1890 through 2020. The key calibration metrics for the updated NTWGAM will be similar to the current model and will include water levels (heads), estimates of baseflow to streams, and springflow. The current NTWGAM calibration was also guided by a conceptual flow balance which will be used as a constraint in updating the model. As part of a pre-calibration activities, we will review model bias (misfit) with observed water levels and rates of water level change to focus calibration on improving historical water level misfit in the existing NTWGAM. We will achieve this through the calibration metric weighting discussed below.

We propose to use this approach in parameter estimation as well as in model construction. This extension is facilitated by use of the Python package pyEMU to programmatically undertake parameter estimation, and the iterative ensemble smoother PESTPP-IES, which greatly reduces the computational demand of nonlinear, high-dimensional parameter estimation. PESTPP-IES was developed by INTERA's Dr. Jeremy White and was recently used in the calibration of the GULF 2023 GAM for the northern Gulf Coast Aquifer and has been accepted by the TWDB for use on the Cross-Timbers Aquifer GAM, currently under development by INTERA. During parameter estimation, PESTPP-IES also performs an uncertainty analysis,

effectively combining the calibration and uncertainty analysis workflows. As was done in the 2014 NTWGAM, calibration metrics will be weighted to reproduce the aspects of the historical dataset that are most aligned with the model objectives during the calibration process. Likewise, parameters adjusted during calibration, such as aquifer hydraulic conductivity, will have prior distributions defined to constrain parameter perturbation and prevent non-sensical parameterization while honoring field measurements. We will provide regular monthly updates to GMA 8 and the TWDB on progress during calibration. The updated and recalibrated NTWGAM model files will be provided to GMA 8 and TWDB for review before advancing to Task D – Predictive Simulations.

After the NTWGAM is successfully re-calibrated, we will perform a series of three predictive simulations, as defined by GMA 8. In 2014 and 2015, INTERA performed similar predictive simulations as part of developing the revised 2014 NTWGAM and under a separate contract with GMA 8. The three simulations to be performed as part of Task D are:

- Run 1 - Determine the amount of production that can occur in order to achieve the current GMA 8 DFC
- Run 2 - Determine what the GMA 8 DFCs would be assuming the current MAG values
- Run 3 - Determine the sustainable amount of production from the Trinity and Woodbine Aquifers

Run 1 will use the updated NTWGAM to produce a simulation with the right balance of pumping per aquifer and county to match the current DFC. To perform this simulation, we will keep pumping locations consistent with the current MAG run and optimally adjust pumping to close the misfit on DFCs per county per aquifer. We will use PEST to perform the optimization. Run 2 will use the updated NTWGAM to produce a simulation that predicts pumping (MAG equivalent) using the constraint of the current county/aquifer DFCs which are expressed in terms of drawdown. For this simulation, we will use PEST to optimize pumping on a county/aquifer basis that recreates the average county/aquifer drawdown equal to the current DFC. Again, pumping will be aggregated from model cells where pumping occurs in the current MAG run. This simulation is less unique than Run 1 and we will adopt a normalized methodology to modify county aquifer pumping. Run 3 will require discussion with GMA 8 member GCDs to define sustainable production in the context of GMA 8. The USGS defines sustainable groundwater development as the development and use of groundwater in a manner that can be maintained for an indefinite time without causing unacceptable environmental, economic, or social consequences (Alley and others). In 2014, INTERA simulated a run termed the “conservation run” which examined the amount of pumping that could occur per aquifer per county from 2025 to 2070 that would bring water levels back to 2010 levels (140,000 AFY in Trinity and 18,700 AFY Woodbine). After completing the model runs, we will present results to GMA 8 and document the simulations in a technical memorandum with all model files.

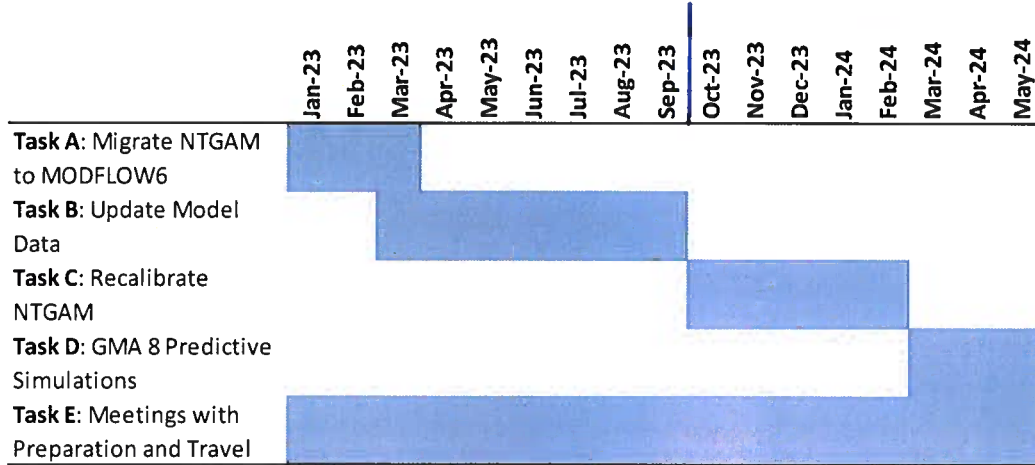
Cost Estimate

The table below summarizes each of the tasks described above and details the estimated costs for each task. We propose to complete the work for the GCDs in GMA 8 on a time and materials basis.

Task	Subtask	Estimated Costs by Task
Task A: Migrate NTGAM to	Migrate original packages	\$ 32,440
	Validate conversion by running base calibration and current MAG run	
Task B: Update Model Data	Collect new data from GMA 8 GCDs and discuss model issues	\$ 265,720
	Collect new data from TWDB and discuss model issues	
	Update Structure/Faults/Layering	
	Recharge through SWB Model	
	Pumping	
	Stream Routing	
	ET through SWB Model	
	Update model properties	
	Update head and flow calibration targets (2012-2020)	
	QA	
	Documentation	
Task C: Recalibrate NTGAM	Recalibration	\$ 160,120
	QA	
	Documentation	
Task D: GMA 8 Predictive Simulations	Run 1 - MAG that achieves the DFC	\$ 59,500
	Run 2 - DFC that achieves the MAG	
	Run 3 - Sustainable Production	
	QA	
	Documentation	
Task E: Meetings with Preparation and Travel	GMA 8 + Stakeholders: Kickoff Meeting	\$ 73,320
	GMA 8 + Stakeholders: MODFLOW 6 Migration Results and Data Request	
	TWDB: Model Issues Discussion and Data Request (virtual)	
	GMA 8 + Stakeholders: Model Update Results Meeting	
	GMA 8 + Stakeholders: Recalibration Update Meeting	
	TWDB: Recalibration Update Workshop Meeting (virtual)	
	GMA 8 + Stakeholders: Recalibration Results	
	TWDB: Recalibration Results (virtual)	
	GMA 8: Predictive Simulations Kickoff	
	GMA 8: Predictive Simulations Results	
	GMA 8: Project Wrap Up Meeting	
Total for All Tasks		\$ 591,100

Proposed Schedule

The table below shows our proposed 17-month schedule for completing each of the tasks described above. This schedule includes eight meetings of the GMA 8 GCDs over the period as well as the three virtual meetings with TWDB. This schedule is designed to provide sufficient time for the GMA 8 GCDs to review the model update and predictive simulations in Task D leading into the 2026 round of joint planning.



If you have any questions, please don't hesitate to reach out to me at woliver@intera.com or 832-535-5763. Thank you again for the opportunity to submit this scope of work and cost estimate. The INTERA Team is excited to work with each of the GMA 8 GCDs on this important project.

Sincerely,



Wade Oliver, P.G.
 INTERA Inc.

Exhibit B
GMA 8 Funding Pledges

Exhibit B

GMA 8 Districts Total Funding of Contract Price

Central Texas Groundwater Conservation District:	\$
Clearwater Underground Water Conservation District:	\$
Middle Trinity Groundwater Conservation District:	\$
North Texas Groundwater Conservation District:	\$
Northern Trinity Groundwater Conservation District:	\$
Post Oak Savannah Groundwater Conservation District:	\$
Prairielands Groundwater Conservation District:	\$
Red River Groundwater Conservation District:	\$
Saratoga Underground Water Conservation District:	\$
Southern Trinity Groundwater Conservation District:	\$
Upper Trinity Groundwater Conservation District:	\$