

**RED RIVER
GROUNDWATER
CONSERVATION
DISTRICT**

BOARD MEETING

**BOARD ROOM
GREATER TEXOMA UTILITY AUTHORITY
5100 AIRPORT DRIVE
DENISON, TEXAS 75020**

**FRIDAY
NOVEMBER 20, 2015**

AGENDA
RED RIVER GROUNDWATER CONSERVATION DISTRICT
BOARD OF DIRECTORS BOARD MEETING
GREATER TEXOMA UTILITY AUTHORITY BOARD ROOM
5100 AIRPORT DRIVE
DENISON, TEXAS 75020
FRIDAY, NOVEMBER 20, 2015

Board Meeting/Workshop

The Board Meeting will begin at 10:00 a.m.

The Board of Directors may discuss, consider, and take all necessary action, including expenditure of funds, regarding each of the agenda items below:

Agenda:

1. Call to order, declare meeting open to the public, and take roll
2. Public Comment
3. Present Mark Gibson, newly re-appointed Director to the Board for re-instatement according to the Bylaws, to be sworn in and to take the Oath of Office
4. Administer Oath of Office for Mark Gibson
5. Consider and act upon approval of Minutes of October 22, 2015, Board Meeting
6. Review and approval of monthly invoices
7. Receive monthly financial information
8. Consider and act upon approval of Investment Policy
9. Consider and act upon 2016 Administrative Services Contract with Greater Texoma Utility Authority
10. Review and Evaluate District Rules Regarding Waste of Groundwater
11. Annual Review of Texas State Soil & Water Conservation Board State Water Supply Enhancement Plan dated July 2014
12. Receive update and possible action on GMA-8 activities and development of Desired Future Conditions
13. Consider and act upon compliance and enforcement activities for violations of District Rules

14. General Manager's report: The General Manager will update the Board on operational, educational and other activities of the District
15. Receive Visioning presentation from LBG Guyton Associates
16. Open forum / discussion of new business for future meeting agendas
17. Adjourn

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

²At 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.

³Persons 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.

⁴For questions regarding this notice, please contact Velma Starks at (800) 256-0935, at rrgcd@redrivergcd.org or at 5100 Airport Drive, Denison, TX 75020.

ATTACHMENT 5

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

THURSDAY, OCTOBER 22, 2015

**AT THE GREATER TEXOMA UTILITY AUTHORITY
BOARD ROOM
5100 AIRPORT DRIVE
DENISON, TX 75020**

Members Present:	David Gattis, Mark Gibson, Harold Latham, Mark Newhouse, Mark Patterson, William Purcell, Don Wortham
Members Absent:	None
Staff:	Drew Satterwhite, P.E., Velma Starks, Carolyn Bennett
Visitors:	James Beach, LBG Guyton Associates Kristen Fancher, Smith/Robertson Larry Lawrence, FCWSA, Fannin County Dillon Caylor, Office of Senator Bob Hall, Fannin County Mike Hartley, Arledge Ridge Water, Bailey Texas

1. Call to order, declare meeting open to the public, and take roll.

President Patterson declared a quorum was present and called the meeting to order at 10:03am. The Board Members and staff introduced themselves.

2. Public Comment.

There were no citizens present requesting to be heard before the Board.

3. Consider and act upon approval of Minutes of September 17, 2015 Board Meeting

Board Member Gibson made a motion to approve the Minutes of the September 17, 2015 board meeting. Board Member Newhouse seconded the motion and it passed unanimously.

4. Review and approval of monthly invoices.

The Board reviewed the monthly invoices presented. Board Member Purcell made a motion to approve payment of the monthly invoices. The motion was seconded Board Member Wortham, and passed unanimously.

5. Receive Monthly Financial Information

Monthly financial information was received and discussed by the Board of Directors.

6. Consider and act upon engagement letter for audit services for fiscal year ending December 31, 2015

General Manager Satterwhite reviewed information with the Board regarding McClanahan and Holmes and the engagement letter for this fiscal year. Motion made by Board Member Gattis to approve the engagement letter for audit services for the fiscal year ending December 31, 2015. Board Member Gibson seconded the motion and the motion carried unanimously.

President Patterson stated at this time the Board of Director would move out of normal order of agenda.

9. Consider and act upon compliance and enforcement activities for violations of District rules

There were no violations to be considered by the Board of Directors.

10. Receive 2015 3rd^d Quarter Report

Carolyn Bennett provided the Quarterly Report for the quarter ended September 2015 to the Board of Directors.

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

Mr. Satterwhite stated the number of wells currently registered with the District is 581 wells, and five new wells drilled during September. Mr. Satterwhite reported he provided a presentation to the Grayson County Rotary Club and updated on why RRGCD here and charges from legislature.

At this time President Patterson stated the Board of Director would move back to the normal order of agenda.

7. Receive Presentation from LBG Guyton Associates Regarding GAM Runs 5, 6, 7 & 8

James Beach with LBG Guyton and Associates provided the Board with a presentation of GAM Runs 5, 6, 7 and 8. Mr. Beach reviewed various impacts of the circumstances for each run, and the results providing basis for conceptualizing DFC statements to meet objectives of District. Mr. Beach stated the presentation was prepared in an effort to present good information regarding GAM Runs 5, 6, 7 and 8 to allow the District to make decisions regarding the DFC for the District. Mr. Beach discussed the results of the runs with the Board Members. Concerns were expressed pertaining to terminology used and definitions of such terms in relation to how they are used. The need for a public format to relate the information to the general public was expressed. The necessity to work together was emphasized.

8. Receive update and possible action on GMA-8 activities and development of Desired Future Conditions

Board Members discussed development of the DFCs on a county-by-county basis, different manners in which to address the DFCs for the District, and possible future runs to be prepared for the District.

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

President Patterson stated the next meeting is scheduled for November 20th at 10:00AM.

13. Adjourn

Board Member Gattis made a motion to adjourn the meeting at 1:26 p.m. Vice President Latham seconded the motion. Motion passed unanimously.

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Recording Secretary

Secretary-Treasurer

ATTACHMENT 8



**RED RIVER GROUNDWATER CONSERVATION
DISTRICT
AGENDA COMMUNICATION**



DATE: November 12, 2015

SUBJECT: AGENDA ITEM NO. 8

CONSIDER AND ACT UPON APPROVAL OF INVESTMENT POLICY

ISSUE

Consider and act upon the Investment Policy as required by the Public Funds Investment Act.

BACKGROUND

The Red River Groundwater Conservation District initially adopted an Investment Policy in May of 2012. This policy is required to be reviewed annually in order to comply with Public Funds Investment Act.

OPTIONS/ALTERNATIVES

The Board could adopt the attached policy, modify the policy, or defer to committee for review.

CONSIDERATIONS

The adoption of this policy will be evidence that the Board is responsible in its use of public funds.

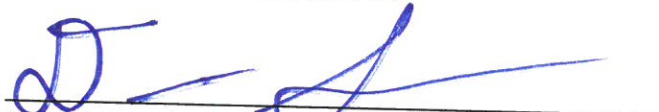
STAFF RECOMMENDATIONS

The staff recommends adopting the Proposed Investment Policy.

ATTACHMENTS

Proposed Investment Policy

PREPARED AND SUBMITTED BY:



Drew Satterwhite, P.E., General Manager

RESOLUTION NO. 2015-11-20-02

A RESOLUTION BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT RELATING TO AN INVESTMENT POLICY

WHEREAS, the Red River Groundwater Conservation District ("District") was created by an act of the 81st Legislature in 2009; and

WHEREAS, the District has a responsibility of approving investments for the resources in its care and custody; and

WHEREAS, the District has appointed an Investment Committee of its membership to compose an Investment Policy; and

WHEREAS, that Committee prepared a document attached hereto as Exhibit "A" in 2012; and

WHEREAS, the Board of Directors adopted the attached policy on July 25, 2012; and

WHEREAS, the Board has reviewed this document and believes it to be in conformance with the State statutes regarding the investment of public funds and to not need any revision;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT that this Investment Policy attached as Exhibit "A" is hereby adopted by this resolution and shall be in full force until further change by Board action.

Upon motion by _____, seconded by _____, the foregoing Resolution was passed and approved on this 20th day of November, 2015 by the following vote:

AYE:

NAY:

ABSTAIN:

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

President

ATTEST:

Secretary-Treasurer

EXHIBIT "A"

RED RIVER GROUNDWATER CONSERVATION DISTRICT

INVESTMENT POLICY

REVIEWED AND APPROVED: OCTOBER 9, 2014

EXHIBIT "A"

1.01 PURPOSE

This policy with respect to district investments has been adopted by the Board of Directors (the "Board") of Red River Groundwater Conservation District (the "District") to establish the principles and criteria by which the funds of the District should be invested and secured (a) to preserve the principal, (b) to earn interest, (c) to address investment diversification, yield, and maturity, (d) to fulfill the duties of the designated Investment Officer of the District, (e) to comply with the types of authorized investments and to specify the maximum allowable stated maturity of the District's investments, and (f) to comply with the provisions of Texas law related to the investment and security of funds applicable to groundwater conservation districts ("Investment Laws"). The provisions of Chapter 36 and Chapter 49 of the Texas Water Code relating to investments and securities, the Public Funds Investment Act (the "Act") as amended in Chapter 2256 of the Texas Government Code, and other appropriate statutes are applicable to the investment of the District's funds.

1.02 POLICY OF INVESTMENT

- A. The preservation of principal shall be the primary concern of the District and the District Investment Officer. To the extent that the principal is protected, District funds shall be invested to yield the highest possible rate of return to meet the current and future financial needs of the District and to maintain liquidity, all while taking into consideration the strength of the financial institution, and complying with any Internal Revenue Code laws or regulations and procedures set forth in any bond resolutions or orders, adopted from time to time by the Board. Funds of the District shall be invested by the District's staff in accordance with the policy. Any resolution or order adopted by the Board relating to investment policies or procedures shall be in writing and shall be made available to requesting members of the public.
- B. Investment of funds shall be governed by the following investment objectives, in order of priority:
 - a. Preservation and safety of principal
 - b. Liquidity
 - c. Diversification
 - d. Yield.
- C. The investment of the District's funds should be diversified to minimize risk or loss resulting from over-concentration of assets in a specific maturity, specific issuer, or specific class of securities. Diversification strategies shall be established and periodically reviewed. The Investment Officer, to the extent possible, will attempt to match investments with anticipated cash flow requirements. Matching securities with cash flow dates will normally increase yield, will lock in higher yields, and reduce the need to sell securities prior to maturity, thus reducing market risk.

1.03 DELEGATION OF INVESTMENT AUTHORITY

- A. The Board shall designate by resolution one or more officers or employees of the District to be responsible for the investment of its funds and be the District's Investment Officer. The Board resolution shall also authorize the Investment Officer to engage in investment transactions, deposit, withdraw, wire funds for investments, transfer and manage funds on behalf of the District. However, there shall be no transfer, expenditure, or appropriation of District funds, other than a transfer of the funds from one District account to another account of the District as stated above, unless by check or draft signed by two (2) members of the Board or authorized by separate order or resolution of the Board.
- B. The Investment Officer is responsible for considering the quality and capability of staff, investment advisors, and consultants involved in investment management and procedures. The Board retains ultimate fiduciary responsibility.
- C. The Investment Officer shall develop and maintain written administrative procedures for the operation of the investment program which are consistent with this Investment Policy. Procedures will include reference to safekeeping, wire transfer agreements, banking services contracts, and other investment related activities.
- D. All participants in the investment process shall seek to act responsibly as custodians of the public trust. No officer or designee may engage in an investment transaction except as provided under the terms of this Policy and the procedures established.
- E. The Investment Officer's authority is effective until the District rescinds the authority or until: (1) termination of employment with the District for an Investment Officer who is an employee of the District; or (2) vacating the office of director for an Investment Officer who is a director of the Board.
- F. An officer or employee of a regional planning commission, council of governments or similar regional planning agency created under Chapter 391, Local Government Code, is ineligible to be designated as an investment officer under this policy.
- G. Should total District funds exceed \$50,000, there is hereby established an investment committee, composed of the Investment Officer, and at least two directors. The investment committee shall meet quarterly to monitor and review the investments and collateral pledge agreements of the District. The Investment Officer shall be the chairman of the committee. The committee shall report concerning the District's investments transaction for the preceding year describing the investment portion of the District at the end of each fiscal year. The report shall be written and signed by members of the committee. The committee also shall report to the Board on its review the month following each quarterly meeting.
- H. No person may deposit, withdraw, invest, transfer, or manage in any other manner funds of the District without the express written authority of the Investment Officer.

1.04 PRUDENT PERSON RULE

- A. The actions of the Investment Officer in the performance of his or her duties as manager of

the District's funds shall be evaluated using the "prudent person" standard. Investments shall be made with judgment and care under prevailing circumstances which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment considering the probable safety of their capital as well as the probable income to be derived.

- B. The Investment Officer acting in accordance with written procedures exercising due diligence shall be relieved by personal responsibility for an individual security's performance provided that deviations from expectations are reported in a timely fashion to the governing body and appropriate action is taken to control adverse developments.

1.05 INVESTMENT STRATEGY BY FUND

Funds in the District accounts shall be invested by the Investment Officer as follows:

- a. Capital Projects Account: The District may choose to have a Capital Projects Account from time to time, and, if so, shall maintain as its primary objective to maximize the suitability of the investment in such funds to the financial requirements of the District while preserving the safety of principal with regard to monies collected or allocated for such fund.
- b. Operating Account: Funds in this account shall be invested to meet the operating requirements of the District as determined by the annual operating budget of the District, or by resolution of the Board.
- c. Debt Service Account: Funds in this account shall be invested to meet the debt service requirements of the District. In order to accomplish this, the District will invest such funds in amounts and maturity dates that most likely match the debt service requirements of the District.

1.06 AUTHORIZED INVESTMENTS

- A. Acceptable investments under this Policy shall be limited to the instruments listed below and as further described by the Act. If additional types of securities are approved for investment by public funds by state statute, they will not be eligible for investment by the District until this Policy has been amended and the amended version is adopted by the Board:
 - a. Obligations of the United States Government, its agencies and instrumentalities, not to exceed two years to stated maturity, excluding mortgage backed securities;
 - b. Fully insured or collateralized certificates of deposit from any bank doing business in the State of Texas and under the terms of a written depository agreement with that bank, not to exceed one year to stated maturity, to include certificates of deposit purchased through the CDARS program with a Texas bank; and
 - c. AAA-rated, constant dollar Texas Local Government Investment Pools as defined by the Act.
- B. Bids for investments, including certificates of deposit, may be solicited:
 - a. Orally;
 - b. In writing;

- c. Electronically; or
 - d. In any combination of those methods.
- C. All purchases of securities shall be made on a delivery versus payment basis assuring that no District funds are released before the security is received by the custodian.

1.07 AUTHORIZED FINANCIAL DEALERS AND INSTITUTIONS

- A. All investments made by the District will be made through either the District's banking services bank or an approved broker/dealer. The Board will review the list of broker/dealers annually. A list of at least three broker/dealers will be maintained in order to assure competitive bidding.
- B. Securities broker/dealers must meet certain criteria as determined by the Investment Officer. The following criteria must be met by those firms on the list:
 - a. Proof of certification by the Financial Industry Regulatory Association (FINRA) and provision of FINRA CRD number,
 - b. District certification, and
 - c. Proof of current registration with the Texas State Securities Board.
- C. Every broker/dealer and bank with which the District transacts business will be provided a copy of this Investment Policy for review to assure that they are familiar with the goals and objectives of the investment program. A representative of the firm will be required to return a signed certification stating that the Investment Policy has been received and reviewed and that controls are in place to control that only authorized securities are sold to the District. A form of the certification is attached to this Investment Policy.

1.08 SAFEKEEPING AND COLLATERALIZATION

- A. Safekeeping of District Owned Securities.
 - a. All purchased securities shall be cleared to safekeeping on a delivery versus payment basis and held in safekeeping by an independent third party financial institution, or the District's banking services depository.
 - b. All safekeeping arrangements shall be approved by the Investment Officer and an agreement of the terms executed in writing. The independent third party custodian shall be required to issue safekeeping receipts to the District listing each specific security, rate, description, maturity, cusip number, and other pertinent information. Each safekeeping receipt will be clearly marked that the security is being held for the District or pledged to the District.
- B. Securities Pledged as Collateral
 - a. All securities pledged to the District for all bank time or demand deposits shall be held by an independent third party bank doing business in Texas. The safekeeping bank may not be within the same holding company as the bank from which securities are pledged.
 - b. Collateralization is required on all time and demand deposits over the FDIC insurance coverage. In order to anticipate market changes and provide a level of additional security for all funds, the collateralization level will be 102% of the market value of the principal and accrued interest. Collateral will be held by an independent third party

custodian. The custodian shall provide a written monthly report directly to the District listing all pledged collateral by description and par at a minimum

C. Authorized Collateral

- a. The only types of collateral authorized by the District are:
 - i. Obligations of the U. S. Government, its agencies and instrumentalities including mortgage-backed securities which pass the bank test.
 - ii. Obligations of a state or subdivision, city, county, school district of any state which is rated A or better by two nationally recognized rating agencies.
- b. If the depository proposes a collateral pooling program, the Investment Officer will review and evaluate the program's risk and cost to the District for presentation to the Board. The pooling of collateral allows a bank to create a pool of securities for collateral purposes for multiple governments and will not result in securities pledged directly/specifically to each government.

1.09 INVESTMENT TRAINING

- A. The Investment Officer shall attend at least one training session from an independent source approved by the Board involving at least six (6) hours of instruction related to the responsibilities and duties under Subchapter 2256 of the Act unless the Investment Officer currently is in compliance with the requirements of the Act. The initial training shall occur within 12 months after the Investment Officer takes office or assumes his or her duty. The Investment Officer shall attend an investment training session not less than once in a two-year period and receive not less than four (4) hours of instruction related to the duties and investment responsibilities under Subchapter 2256 of the Act from an independent source approved by the Board.
- B. Training under this section must include education in investment controls, security risks, strategy risks, market risks, diversification of investment portfolio, and compliance with the Act.

1.10 REPORTING AND PERFORMANCE EVALUATION

- A. The Investment Officer shall submit a monthly report to the District Manager.
- B. Not less than quarterly, the Investment Officer shall prepare and submit to the Board a written report of investment transactions for all funds subject to this policy for the preceding reporting period. The report must:
 - a. Describe in detail the District's investment position on the date of the report;
 - b. Be prepared by the Investment Officer;
 - c. Be signed by the Investment Officer;
 - d. State the maturity date of each separately invested asset that has a maturity date;
 - e. State the book value and the market value of each separately invested asset at the beginning and end of the reporting period by the type of asset and fund type invested; and
 - f. State the compliance of the investment portfolio of the District with:
 - i. The investment strategy expressed in the District's Investment Policy; and

- ii. Relevant provisions of the Act.
- C. Market prices for market evaluations will be obtained from an independent source.
- D. In addition, the report shall explain the quarter's total investment return and compare the return with budgetary expectations.
- E. All reports shall be in compliance with the Act.

1.11 MISCELLANEOUS

- A. The District, in conjunction with its annual financial audit, shall perform a compliance audit of management controls on investments and adherence to the District's established investment policies to review investment performance and to ensure investment security. The controls shall be designed to prevent loss of public funds due to fraud, employee error, misrepresentation by third parties, unanticipated market changes, or imprudent actions.
- B. The District shall review this policy at least annually and adopt a resolution confirming the continuance of the policy without amendment or adopt an amended investment policy.
- C. This investment policy adopted on July 25, 2012 supersedes any prior policies adopted by the Board regarding investment or securitization of District funds.

CERTIFICATION

I hereby certify that I have received and thoroughly reviewed the investment policy of Red River Groundwater Conservation District ("District") and have implemented reasonable procedures and controls designed to preclude imprudent investment activities arising out of investment transactions conducted between this firm and the District. Transactions between this firm and the District will be directed towards protecting the District from credit or market risk.

All the sales personnel of this firm dealing with the District's account have been informed and will be routinely informed of the District's investment horizons, limitations, strategy and risk constraints, whenever we are so informed.

This firm pledges due diligence in informing the District through its duly appointed Investment Officer of foreseeable risks associated with financial transactions connected to this firm.

(Firm)

(Signature of Registered Principal)

(Name)

(Title)

(Date)

Notification Phone Nos. & Addresses of the District:

Board of Directors

Red River Groundwater Conservation District
PO Box 1214
Sherman, Texas 75091
(800) 256-0935

Investment Officer

Debi Atkins, Finance Officer
Drew Satterwhite, General Manager

ATTACHMENT 9



**RED RIVER GROUNDWATER
CONSERVATION DISTRICT
AGENDA COMMUNICATION**



DATE: November 12, 2015

SUBJECT: AGENDA ITEM NO. 9

**CONSIDER AND ACT UPON 2016 ADMINISTRATIVE SERVICES CONTRACT WITH GREATER TEXOMA UTILITY
AUTHORITY**

ISSUE

Renewal of contract with Greater Texoma Utility Authority (GTUA) for administrative services for 2016.

BACKGROUND

In November 2010, the District and GTUA entered into an agreement for administrative services to be provided by GTUA for the District. The Board of Directors of GTUA is satisfied with the outcome of the agreement and has indicated their desire to continue the arrangement. This agreement was authorized by the GTUA Board of Directors at the November 16, 2015 meeting.

CONSIDERATIONS

This contract contains the same provisions as the contract executed for 2015, with slight revisions to the billable rates. The amounts identified in the contract are consistent with the 2016 budget adopted by the District.

STAFF RECOMMENDATIONS

The staff recommends that the contract between the District and GTUA be approved.

ATTACHMENTS

2016 Administrative Services Contract with GTUA.
2016 Budget

PREPARED AND SUBMITTED BY:



Drew Satterwhite, P.E., General Manager

**ADMINISTRATIVE SERVICES AGREEMENT
BETWEEN THE GREATER TEXOMA UTILITY AUTHORITY AND
THE RED RIVER GROUNDWATER CONSERVATION DISTRICT**

STATE OF TEXAS

§

STATE OF TEXAS

§

GREATER TEXOMA UTILITY AUTHORITY

§

RED RIVER GROUNDWATER
CONSERVATION DISTRICT

§

This Agreement, made and entered into by and between the Greater Texoma Utility Authority, hereinafter referred to as ("Authority") and the Red River Groundwater Conservation District in Fannin and Grayson Counties, Texas, hereinafter referred to as ("District").

WITNESSETH:

WHEREAS, the District is experiencing a need for administrative services in order to achieve the objectives provided in its enabling legislation and Chapter 36 of the Texas Water Code; and

WHEREAS, the Authority has staff experienced in water related activities; and

WHEREAS, the District has determined that it is in the best interest of the District to engage the Authority to assist in providing administrative assistance in establishing the District's programs and activities; and

WHEREAS, the District has determined that the proposal dated November 20, 2015 from the Authority, as said proposal is modified and supplemented herein, is in the best interest of the District and that the Authority is qualified and capable of providing such services;

NOW, THEREFORE, in consideration of the mutual covenants contained herein, and of the terms and conditions hereinafter set forth, the parties agree as follows:

1. The Scope of Services. The term "Scope of Services" as used herein refers to the Scope of Services made and submitted by the Authority to the District dated November 20, 2015, as amended, modified, or supplemented herein. (attached hereto as "Exhibit A")

The Scope of Services is a general guideline for the commencement of administrative activities and related services. Said Scope of Services is amended and superseded by specific terms of this Agreement, which may be amended in writing from time to time upon agreement of the Authority and the District.

2. Administrative Services. The Authority shall perform administrative services for the District at the direction of the District Board, and the District Board President to the extent that the Board President's direction does not conflict with any District or Authority rule, policy, or order of the District or Authority Board. Such directions from the District Board and Board President regarding the performance of administrative services shall supplement any specific services delineated in this Agreement or the attached Scope of Services.

Administrative services shall include, but not be limited to recording and communication services, database collection and well registration services, as well as assistance in developing personnel policies, operating procedures, refining of temporary rules and developing a management plan. Administrative services shall also include performance of the duties of the "General Manager" as set forth in the District's Temporary District Rules, Bylaws, rules and orders, subject to the directions and orders of the District Board and Board President. The Authority shall not retain outside professional services to be reimbursed by the District without prior authorization from the District. The District Board shall retain ultimate authority in decision-making under the District's Rules.

3. Charges and Payment. Monthly payments shall be made by the District to the Authority for actual costs incurred including hourly wages and benefits of the Authority employees, extra travel costs to and from the District, and other direct costs, including fees for professional services. The Authority shall invoice the District for any such services performed hereunder during the preceding thirty (30) day period, said invoice to be presented by the 25th day of the following month. Said invoice shall be itemized in such a manner that the District may determine the reasonableness of the charges submitted. The District shall pay the full amount of invoices received from the Authority by the tenth day of the month following receipt of any such invoice unless notice of protest or disagreement is given to the Authority within seven (7) business days after receipt of said invoice. Failure of the Authority and the District to agree upon payment of such invoice within thirty (30) days of protest shall be grounds for termination under Paragraph 4 unless the parties can otherwise agree in writing to a schedule of payment.

4. Terms of Agreement. The Term of this Agreement shall be for a 12-month period commencing as of the effective date of this Agreement, which shall be the later date that the District or the Authority executes this Agreement. This Agreement may be renewed upon expiration of the 12-month term of this Agreement by written agreement between the parties. Either the District or the Authority may terminate this agreement for any reason at any time upon ninety (90) days written notice of termination to the other party. Should the Authority or the District elect to terminate this Agreement, the District shall remain responsible for its share of any costs for which it is obligated that remain existing and unpaid as of the effective date of termination.

5. Indemnity. Neither the District nor the Authority shall be liable to the other for loss, either direct or consequential. All such claims for any and all loss, however caused, are hereby waived. Said absence of liability shall exist whether or not the damage, destruction, injury, or loss of life is caused by the negligence of either party or of any of their respective agents, servants, or employees. It is contemplated that each party shall look to its respective insurance carriers for reimbursement of any such loss. Neither party shall have any interest or claim in the other's insurance policy or policies, or the proceeds thereof, unless it is specifically covered therein as an additional insured. Nothing contained in this Agreement is intended by either party to create a partnership or joint venture, and any implication to the contrary is hereby expressly disavowed. It is understood and agreed that this Agreement does not create a joint enterprise, nor does it appoint any party as an agent of any other party, for any purpose whatsoever. It is understood and agreed that by execution of this Agreement, no governmental powers or immunities are waived or surrendered by either the District or the Authority.

6. Independent Contractor. The Authority is, and shall perform this agreement as, an independent contractor, and as such, shall have and maintain complete control over all of its employees, subcontractors, agents, and operations. Neither the Authority nor anyone employed by it shall be, represent, act, purport to act or be deemed to be the agent, representative, subcontractor, employee, officer or servant of the District. No

employee or agent of the District shall be, represent, act, or purport to act or be deemed to be the agent, representative, subcontractor, employee, officer, or servant of the Authority.

7. Surety Bond. Any officer, employee, or agent of the Authority who collects, pays, or handles any funds of the District shall furnish good and sufficient bond payable to the District in an amount determined by the District Board to safeguard the District. The bond shall be conditioned on the faithful performance of that person's duties and on accounting for all funds and property of the District. The bond shall be signed or endorsed by a surety company authorized to do business in Texas. The District Board hereby determines that the initial amount of each bond shall be set at \$50,000.00, and may alter the amount pursuant to a minute order or resolution adopted at a properly noticed meeting. The District Board shall provide the Authority with notice of any such alternative amount. The District shall reimburse the Authority for costs incurred in connection with providing administrative services to the District. Any such out-of-pocket costs exceeding \$2,500.00 per year shall require prior approval of the District Board. The Authority shall limit the collection, payment, or handling of District funds only to the officers, employees, and agents of the Authority who have been bonded in accordance with this paragraph.

8. No Third Party Rights. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the parties hereto, and all duties and responsibilities undertaken pursuant to this Agreement shall be for the sole and exclusive benefit of the parties hereto, and not for the benefit of any other party. There are no third party beneficiaries to this Agreement.

9. Assignment. This Agreement shall not be assignable except at the written consent of the Authority and the District hereto, and if so assigned, shall extend to and be binding upon the successors and assigns of the Authority and the District thereto.

10. Notices. All notices given under this agreement shall be deemed properly served if delivered in writing personally, or sent by certified mail to Mark Patterson, President, Red River Groundwater Conservation District, PO Box 1214, Sherman, TX 75091-1214, and to the Authority addressed to the President, Greater Texoma Utility Authority, 5100 Airport Drive, Denison, TX 75020-8448. Date of service of notice served by mail shall be the date on which such notice is deposited in a post office of the United States Postal Service. Either party may change their respective addresses for notice by providing notice of such address change in the aforesaid manner with specific reference to this Agreement.

11. Authority Financial Obligations. Nothing in this agreement shall be construed to require the Authority to expend funds from any source other than the revenues received hereunder. All costs required by valid rules, regulations, laws, or orders passed or promulgated by the United States of America, the State of Texas, and regulatory or judicial branches thereof having lawful jurisdiction shall be the responsibility of the District.

12. Entire Agreement. This agreement embodies the entire understanding between the Authority and the District hereto relative to the subject matter hereof and shall not be modified, changed or altered in any respect except in writing signed by the Authority and the District.

13. Governing Law and Severability. This agreement shall be governed by the laws of the State of Texas and the venue in Grayson County, Texas. The provisions of this agreement shall be deemed to be severable and

the invalidity of or inability to enforce other provisions hereof. In the event of a conflict between the terms of this Agreement and any exhibit attached hereto, the terms and conditions of this Agreement shall take precedence.

14. Interpretation. Although drawn by the Authority, this contract shall, in the event of any dispute over its meaning or application, be interpreted fairly and reasonably, and neither more strongly for or against either party. Captions and headings used in this Agreement are for reference purposes only and shall not be deemed a part of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused the signatures of their legally authorized representatives to be affixed hereto, having been duly approved by the respective governing bodies and effective on the last date of execution as set forth below.

GREATER TEXOMA UTILITY AUTHORITY
5100 AIRPORT DRIVE
DENISON TX 75020-8448

RED RIVER GCD
PO BOX 1214
SHERMAN TX 75091-1214

BY: _____
President

BY: _____
President

DATE: _____

DATE: _____

ATTEST:

ATTEST:

Secretary-Treasurer

Secretary-Treasurer

Exhibit "A"

Scope of Services

- I. Recording and Communication Services
 - Act as point of contact for well owners by answering questions regarding rules
 - Provide all postings for meetings
 - Provide notice postings in timely manner
 - Mail notices and rules as needed
 - Prepare agenda after consultation with President
 - Prepare and e-mail draft minutes to Board of Directors
 - Complete minutes after review by Board of Directors
 - Maintain website as needed
 - Establish and maintain paper and electronic filing system
 - Provide written communications to well owners, TWDB and others as needed
 - Draft correspondence for signature by designated persons
- II. Database Collection for Registered and Non-Registered Wells in the District
 - Work with chosen database development firm to create the well registration system for the District
 - Operate and maintain well registration website and map, which will depict wells in each District county
 - Work with well owners to register wells and collect well registration fees
 - Employ field technician to locate and verify wells in each District county
- III. Development of Personnel and Other Policies
 - Prepare and present drafts of personnel policies for review by appropriate committee and Board of Directors
 - Prepare and present drafts of operating procedures for future staff to follow
 - Assist Board of Directors in training personnel for District at appropriate time
- IV. Assistance for Rule Development
 - Assist Board of Directors in development of permanent rules
 - Assist Board of Directors in the development and implementation of a Management Plan
- V. Accounting
 - Provide accounting services including keeping financial records, issuing invoices, paying invoices, etc.
 - Prepare and present monthly financial statements
 - Assist Board of Directors with development of budget
 - Prepare and provide documentation for audit

Approach to Provision of Services

- Staff is able to work diplomatically with well owners and others
- Use 800 number on all letterhead and other communication for calls to make contact easier for well owners
- Well-acquainted with TWDB staff
- Utilize assistance from Texas Alliance of Groundwater District members
- Coordinate District activities with GMA 8 activities
- Develop records and procedures in a manner that will make for easy transition when desired

Estimated Cost of Services

The Authority is a public agency. The Board's approach to provision of services has always been to seek reimbursement for the costs of providing the services requested. These costs include:

- The salary and employer personnel costs (social security, worker's compensation insurance, retirement, and accounting, etc.)
- Mileage for travel required at the rate set annually by IRS
- Any direct expenses required to provide the services requested (telephone charges, copies, postage, and similar expenses directly associated with the project)
- The contract for services will not exceed \$115,000 for administration and accounting, and \$70,000 for the field technician without prior authorization from the Board of Directors
- Field personnel costs will be an expense of the District, which will include salary, benefits, transportation and other costs directly associated with verification of well and pumping information
- Billing Rates:
 - Administration – \$83 per hour
 - Project Coordinator - \$47 per hour
 - Administrative Assistant- \$28 per hour
 - Finance Officer - \$63 per hour
 - Accounting Assistant - \$40 per hour
 - Office Clerk - \$24 per hour
 - Field Technician - \$42 per hour
 - Operation Supervisor - \$52 per hour

RED RIVER GROUNDWATER CONSERVATION DISTRICT

BUDGET YEAR 2016

	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Approved 2015	Actual @4-30-15	Est cost @12-31-15	Approved 2016
Income								
46002 GW Production Cost	\$148,116.67	\$298,044.87	297,037.92	284,250.06	\$273,600.00	75,304.84	301,219.36	325,000.00
46007 Registration Fees		8,900.00		5,200.00	\$2,000.00	2,100.00		
46005 Late Fees				1,306.23		65.88		
46006 Violation Fees						3,000.00		
46010 Drillers Dep Forfeit								
Total Income	<u>\$148,116.67</u>	<u>\$298,044.87</u>	<u>\$305,937.92</u>	<u>\$292,356.29</u>	<u>\$275,600.00</u>	<u>\$77,404.84</u>	<u>\$301,219.36</u>	<u>\$325,000.00</u>
Gross Profit	\$148,116.67	\$298,044.87	\$305,937.92	\$292,356.29	\$275,600.00	\$77,404.84		
Expense								
77010 ADMINISTRATIVE COST								
77033 ADS-LEGAL	\$68,057.56	\$79,748.58	94,767.47	89,183.92	115,000.00	27,245.40	81,736.20	115,000.00
77027 AUDITING	0.00	300.87		383.65	1,000.00		1,000.00	1,000.00
77855 CONTRACT SERVICES	0.00	3,250.00	3,500.00	3,750.00	4,000.00		4,000.00	4,000.00
Web Maintenance		83,980.54	18,300.00					
Hydro-Geologist								
GAM Runs				7,200.00	7,200.00	2,400.00	7,200.00	7,200.00
77040 DIRECT COST	4,737.80	3,367.37		17,263.64	17,400.00	384.80	17,400.00 *	43,900.00
77450 DUES & SUBSCRIPTIONS	500.00	136.88	3,116.52	2,533.68	4,000.00	651.17	20,000.00	5,000.00
77550 EQUIPMENT	445.00	15,166.95	1,064.00	1,302.50	1,000.00		1,953.51	3,000.00
77555 FEES-GMA8				2,188.77	3,000.00	332.75	998.25	1,400.00
77035 FIELD SERVICES		624.78		5,744.44	7,000.00		3,000.00	21,500.00
77810 INSURANCE & BONDING	300.00	4,338.00	53,130.45	21,222.00	50,000.00	434.45	7,000.00	4,000.00
77840 INTERNET SERVICES	8,478.00	2,158.12	2,573.50	2,942.00	3,000.00	5,020.00	15,060.00	70,000.00
77970 LEGAL	17,964.68	11,701.50	2,591.90	4,557.75	4,600.00	1,096.34	2,700.00	3,000.00
78010 MEETINGS AND CONFEREN	1,379.86	441.06	13,443.50	13,479.22	25,000.00	6,316.03	6,316.03	6,500.00
78310 RENT			1,047.91	2,216.53	2,000.00	1,252.50	20,000.00	25,000.00
78600 SOFTWARE MAINT	268.46	2,000.00	2,400.00	2,400.00	2,000.00	102.73	2,000.00	2,000.00
78770 TRANSPORTATION/FUEL/MAINT		73.26	1,285.00	1,750.00	2,000.00	800.00	2,400.00	2,400.00
78750 TELEPHONE	821.23	943.18	2,323.84	2,435.56	5,000.00	1,415.00	1,415.00	2,000.00
Total Expense	<u>\$102,952.59</u>	<u>\$208,231.09</u>	<u>\$200,929.24</u>	<u>\$181,890.65</u>	<u>\$275,600.00</u>	<u>\$48,547.76</u>	<u>\$197,468.76</u>	<u>\$200,000.00</u>
Contingencies								
Total Expenditures	102,952.59	208,231.09	200,929.24	\$181,890.65	\$275,600.00			\$323,900.00
Net Income	<u>\$45,164.08</u>	<u>\$89,813.78</u>	<u>\$105,008.68</u>	<u>\$110,465.64</u>	<u>0.00</u>			<u>1,100.00</u>

- *1. LBG General DFC Guidance - similar to last year @ \$17,400
2. Development of Well Monitoring Program- \$10k
3. Visioning workshop - \$4k
4. Develop spacing requirements - \$4-5k
5. Permitting workshops - \$8k

ATTACHMENT 10



RED RIVER GROUNDWATER CONSERVATION
DISTRICT
AGENDA COMMUNICATION



DATE: November 11, 2015

SUBJECT: Agenda Item No. 10

REVIEW AND EVALUATE DISTRICT RULES REGARDING WASTE OF GROUNDWATER

ISSUE

The Red River Groundwater Conservation District adopted its Management Plan May 17, 2012. One of the requirements of the Plan is that the Board review and evaluate District Rules annually to identify any amendments needed to reduce the amount of waste of groundwater within the District's boundaries.

BACKGROUND

The District adopted Temporary Rules for Water Wells in Fannin and Grayson Counties, Texas August 29, 2011. These rules include a definition of "waste" on page 6 of Section 1, and Section 5 of the Rules addresses regulation of production and prohibition of waste. The Texas Water Development Board provides a table containing water loss information annually, derived from the Region C Water Planning Group for this District.

CONSIDERATIONS

A copy of the section of the Rules pertaining to this matter is attached for your review in determining if there are any amendments necessary regarding the amount of waste of groundwater within the District's boundaries.

ATTACHMENTS

Excerpts from Section 1 and Section 5 of the Red River Groundwater Conservation District Temporary Rules for Water Wells in Fannin and Grayson Counties
Region C Water Loss Thresholds Spreadsheet

PREPARED AND SUBMITTED BY:

A handwritten signature in blue ink, appearing to read "Drew Satterwhite", is written over a horizontal line.

Drew Satterwhite, P.E.
General Manager

the terms "individual" or "served," an individual shall be deemed to be served by a water system if he lives in, uses as his place of employment, or works in a place to which drinking water is supplied from the system.

- (33) "Pump" means any facility, device, equipment, materials, or method used to obtain water from a well.
- (34) "Registrant" means a person required to submit a registration.
- (35) "Registration" means a well owner providing certain information about a well to the District, as more particularly described under Section 3.
- (36) "Rule" or "Rules" or "Temporary Rules" means these Temporary Rules of the District regulating water wells, which shall continue to be effective until amended or repealed.
- (37) "Substantially alter" with respect to the size or capacity of a well means to increase the inside diameter of the pump discharge column pipe size of the well in any way or to increase the size of the pump on the well.
- (38) "TCEQ" means the Texas Commission on Environmental Quality.
- (39) "Tract" means a contiguous parcel of land under the ownership of a single entity, such as a corporation, partnership or trust, or an individual or individuals holding as joint owners or tenants in common.
- (40) "Transfer" means a change in a registration as follows, except that the term "transfer" shall have its ordinary meaning as read in context when used in other contexts:
 - (a) ownership; or
 - (b) the person authorized to exercise the right to make withdrawals and place the groundwater to beneficial use.
- (41) "Waste" means one or more of the following:
 - (a) withdrawal of groundwater from the aquifer at a rate and in an amount that causes or threatens to cause an intrusion into the aquifer unsuitable for agriculture, gardening, domestic, stock raising, or other beneficial purposes;
 - (b) the flowing or producing of water from the aquifer by artificial means if the water produced is not used for a beneficial purpose;
 - (c) the escape of groundwater from the aquifer to any other underground reservoir or geologic stratum that does not contain groundwater;

- (d) pollution or harmful alteration of groundwater in the aquifer by saltwater or by other deleterious matter admitted from another stratum or from the surface of the ground;
 - (e) willfully or negligently causing, suffering, or allowing groundwater to escape into any river, creek, natural watercourse, depression, lake, reservoir, drain, sewer, street, highway, road, or road ditch, or onto any land other than that of the owner of the well unless such discharge is authorized by permit, rule, or other order issued by the Texas Commission on Environmental Quality under Chapters 11 or 26 of the Texas Water Code;
 - (f) groundwater pumped for irrigation that escapes as irrigation tailwater onto land other than that of the owner of the well unless permission has been granted by the occupant of the land receiving the discharge;
 - (g) for water produced from an artesian well, "waste" has the meaning assigned by Section 11.205, Texas Water Code;
 - (h) operating a deteriorated well; or
 - (i) producing groundwater in violation of any District rule governing the withdrawal of groundwater through production limits on wells, managed depletion, or both.
- (42) "Well" means any artificial excavation located within the boundaries of the District dug or drilled for the purpose of exploring for or withdrawing groundwater from the aquifer.
- (43) "Well owner" means the person who owns a possessory interest in: (1) the land upon which a well or well system is located or to be located; (2) the well or well system; or (3) the groundwater withdrawn from a well or well system.
- (44) "Well system" means a well or group of wells connected by piping, storage, or that share or are tied to the same distribution system. Examples of a well system include, but are not limited to, a well or group of wells connected to the same ground storage tank, pond, or swimming pool.
- (45) "Withdraw" means the act of extracting or producing groundwater by pumping or other method.
- (46) "Year" means a calendar year (January 1 through December 31), except where the usage of the term clearly suggests otherwise.

- (d) The well owner must cease all production from the well being replaced immediately upon commencing production from the replacement well, and must plug the well being replaced within 90 days from the date that the replacement well is completed.

SECTION 5. REGULATION OF PRODUCTION; WASTE PROHIBITED

Rule 5.1 Temporary Production Limitations.

The maximum quantity of water that a person may withdraw from a well that is not exempt under Rule 2.1(a) is the amount of water the person produces and timely:

- (1) submits payment to the District for in accordance with the fee rate adopted by the District under Section 7; and
- (2) reports pumpage volumes to the District under Rule 3.10.

Rule 5.2 Regular Production Limitations.

In order to accomplish the purposes of Chapter 36, Texas Water Code, and the District Act, and to achieve the goals of the District Management Plan, the District may, after notice and hearing, establish groundwater production limitations for all wells when it adopts permanent rules for the District.

Rule 5.3 Waste Prohibited.

No person shall engage in any conduct subject to the District's regulatory jurisdiction that constitutes waste, as that term is defined herein.

A retail public utility that owns and operates a water pipeline from which groundwater escapes is not engaged in conduct subject to the District's regulatory jurisdiction so long as the retail public utility is pursuing in good faith a maintenance plan to discover and repair leaks and to identify and replace deteriorated waterlines consistent with the accepted standards of retail public water utilities located within the District.

SECTION 6. TRANSPORTATION OF GROUNDWATER OUT OF THE DISTRICT

Rule 6.1 General Provisions.

- (a) A person who produces or wishes to produce water from a well not exempt under Rule 2.1(a) that is located or is to be located within the District and transport such water for use outside of the district must register the well and submit timely payment of the

Entity	Region	Year of Audit	Population Size	Retail Connections Served	Service Connection Density (#/mile)	Average Yearly Operating Pressure (pounds per square inch)	Infrastructure Leakage Index (-)	Customer Meter Accuracy %	Data Handling Discrepancy Loss (gallons per connection per day)	Unauthorized Consumption (gallons per connection per day)	Apparent Loss per Connection (gallons per connection per day)	Apparent Threshold (gallons per connection per day)	Real Loss per Connection (gallons per connection per day)	Real Threshold (gallons per connection per day)	Real Loss per Mile (gallons per mile per day)	Real Threshold (gallons per mile per day)	Percent total water loss (for comparison purposes only)	OK?
Ables Springs WSC	C	2010	3,300	1,104	9	50	n/a	98.0	0.0	0.5	4	10	n/a	n/a	243	1600	15.0	Y
Alloga WSC	C	2010	500	218	8	55	n/a	95.0	0.6	0.6	11	11	n/a	n/a	188	1600	15.9	Y
Angus WSC	C	2012	1,059	353	2	55	n/a	99.5	0.0	0.0	1	12	n/a	n/a	19	1600	5.6	Y
Argyle WSC	C	2010	2,028	2,028	8	70	n/a	99.0	0.0	1.7	7	33	n/a	n/a	717	1600	14.4	Y
Athens Water System Coop	C	2010	122	34	17	60	n/a	98.0	0.0	0.9	6	16	n/a	n/a	347	1600	7.7	Y
Avalon WSC	C	2010	969	323	4	65	n/a	99.0	0.0	0.8	3	13	n/a	n/a	420	1600	33.1	Y
B F E Water	C	2010	111	37	12	60	n/a	100.0	0.1	1.3	1	29	n/a	n/a	75	1600	1.4	Y
Bear Creek Estates	C	2010	54	18	18	47	n/a	99.0	0.9	0.6	4	14	n/a	n/a	259	1600	7.2	Y
Beaton Lake Estates Water System	C	2010	70	28	14	58	n/a	0.0	0.0	0.0	0	12	n/a	n/a	223	1600	6.9	Y
Becker Jiba WSC	C	2010	2,964	988	4	0	n/a	98.0	0.0	0.5	4	10	n/a	n/a	86	1600	13.0	Y
Belhel Ash WSC Belhel Plant	C	2010	5,100	1,700	7	60	n/a	99.0	0.0	0.6	3	12	n/a	n/a	253	1600	16.2	Y
Black Rock WSC	C	2013	1,300	487	7	53	n/a	100.0	0.0	0.8	1	17	n/a	n/a	155	1600	8.0	Y
Bluebonnet Hills WSC	C	2010	492	164	33	45	n/a	98.0	0.0	0.6	5	12	25	50	n/a	n/a	12.7	Y
Bois D Arc MUD	C	2013	3,163	1,213	6	75	n/a	99.0	1.1	0.7	3	7	n/a	n/a	210	1600	24.7	Y
Buena Vista Bethel SUD	C	2013	4,428	1,476	9	70	n/a	95.0	0.0	1.3	13	17	n/a	n/a	1955	1600	45.0	N
Carriage House Estates	C	2013	486	162	41	54	n/a	97.0	0.0	0.7	9	15	6	50	n/a	n/a	5.5	Y
Chaffield WSC	C	2010	3,927	1,409	4	60	n/a	99.0	0.0	0.6	3	12	n/a	n/a	167	1600	19.8	Y
Chisholm Hills Estates	C	2010	702	234	23	50	n/a	92.0	0.0	0.5	14	9	n/a	n/a	268	1600	13.0	N
City of Aledo	C	2013	2,830	1,069	71	55	n/a	99.0	0.0	0.8	3	15	49	50	n/a	n/a	16.9	Y
City of Allen	C	2013	90,052	33,545	76	70	n/a	99.0	0.0	1.0	5	21	27	46	n/a	n/a	7.8	Y
City of Anna	C	2011	8,615	3,211	16	60	3.2	98.0	0.0	1.0	6	15	n/a	n/a	1515	1600	25.0	Y
City of Arlington	C	2013	369,534	106,698	75	70	2.1	96.6	0.0	1.3	17	26	33	47	n/a	n/a	9.7	Y
City of Athens	C	2013	12,846	4,818	38	55	3.8	98.0	0.0	1.1	8	21	61	48	n/a	n/a	15.6	N
City of Azle	C	2013	11,220	5,061	53	75	0.3	98.0	3.3	0.7	9	14	5	57	n/a	n/a	5.2	Y
City of Barry	C	2010	175	90	9	55	n/a	99.0	0.0	0.4	2	8	n/a	n/a	171	1600	13.0	Y
City of Bedford	C	2013	14,927	14,927	90	60	0.7	96.0	0.0	1.2	20	26	8	38	n/a	n/a	5.9	Y
City of Belis	C	2013	1,779	593	37	40	n/a	96.0	7.2	0.6	16	11	37	50	n/a	n/a	20.6	N
City of Bonham	C	2013	10,068	3,457	46	56	5.2	98.0	0.0	1.0	7	18	77	45	n/a	n/a	20.3	Y
City of Boyd	C	2010	1,250	537	27	35	n/a	99.0	0.9	0.7	3	10	n/a	n/a	1833	1600	25.0	N
City of Bridgeport	C	2012	6,045	2,072	44	65	n/a	95.0	0.0	1.2	24	26	29	50	n/a	n/a	10.7	Y
City of Bryson	C	2010	540	238	16	58	n/a	98.0	0.4	0.5	5	10	n/a	n/a	280	1600	11.0	Y
City of Callisburg	C	2010	1,812	604	5	65	n/a	95.0	0.0	0.5	9	9	n/a	n/a	99	1600	13.9	Y
City of Carrollton	C	2013	122,280	48,802	86	79	0.8	99.0	0.0	1.0	5	22	14	51	n/a	n/a	4.8	Y
City of Cedar Hill	C	2013	47,000	15,430	56	80	0.4	90.0	0.0	1.2	36	19	8	59	n/a	n/a	9.1	N
City of Celina	C	2012	6,028	2,360	56	79	n/a	98.0	0.0	1.1	8	21	47	50	n/a	n/a	13.1	Y
City of Cockrell Hill	C	2012	4,443	1,170	62	65	n/a	92.0	0.0	0.9	22	15	28	50	n/a	n/a	13.6	N
City of Colleyville	C	2013	24,500	9,426	47	60	1.2	98.0	0.0	1.5	13	33	20	48	n/a	n/a	5.4	Y
City of Coppell	C	2013	39,090	12,467	64	80	0.1	99.9	0.0	1.8	2	39	2	56	n/a	n/a	0.6	Y
City of Corinth	C	2013	20,000	7,657	69	65	0.8	99.0	0.0	0.9	5	20	12	45	n/a	n/a	4.4	Y
City of Corsicana	C	2013	26,521	10,604	48	60	4.4	94.0	0.1	1.0	20	17	68	47	n/a	n/a	22.0	N
City of Crowley	C	2013	14,770	5,431	84	70	0.5	99.0	0.0	0.7	4	16	8	45	n/a	n/a	4.0	Y
City of Denison	C	2013	37,002	9,964	38	52	3.6	94.0	0.0	0.9	5	13	56	43	n/a	n/a	11.4	Y
City of Denton	C	2013	116,098	35,152	61	76	2.1	95.7	0.0	1.2	26	23	54	45	n/a	n/a	17.0	N
City of Desoto	C	2013	51,000	16,300	74	65	3.8	99.5	0.0	1.1	3	27	38	54	n/a	n/a	13.5	N
City of Dorchester	C	2011	1,268	576	8	60	n/a	98.0	0.0	0.9	5	20	6	47	n/a	n/a	33.4	N
City of Duncanville	C	2013	38,610	12,590	66	68	0.4	98.0	0.0	0.9	8	20	6	47	n/a	n/a	3.8	Y
City of Ector	C	2010	600	327	23	70	n/a	99.0	0.0	0.5	2	10	n/a	n/a	621	1600	14.4	Y
City of Ennis	C	2013	19,300	7,263	51	60	4.5	95.0	5.7	1.2	26	22	69	46	n/a	n/a	19.2	N
City of Euless	C	2013	51,750	25,101	109	75	0.3	90.0	0.0	0.7	28	14	5	45	n/a	n/a	11.6	N
City of Eustace	C	2010	832	444	15	65	n/a	80.0	0.0	0.8	4	12	n/a	n/a	1114	1600	38.8	N
City of Everman	C	2010	5,860	1,903	63	60	n/a	96.0	0.0	0.5	8	11	8	50	n/a	n/a	7.7	Y
City of Fairfield	C	2012	3,009	1,596	27	55	n/a	96.0	0.0	0.8	12	16	n/a	n/a	285	1600	7.2	Y
City of Farmers Branch	C	2013	29,368	9,855	49	70	3.5	95.0	0.0	1.9	35	37	65	55	n/a	n/a	13.3	N

City of Fate	C	2010	6,357	2,710	59	75	n/a	99.0	0.0	0.9	4	18	23	50	n/a	n/a	7.8	Y
City of Ferris	C	2010	2,400	973	44	59	n/a	99.0	0.0	0.8	4	17	27	50	n/a	n/a	9.2	Y
City of Forest Hill	C	2013	13,000	4,578	763	65	2.5	89.0	0.0	0.7	27	13	25	31	n/a	n/a	19.3	Y
City of Forney	C	2013	15,750	5,338	52	55	0.5	99.0	0.0	0.8	4	17	7	42	n/a	n/a	3.6	Y
City of Fort Worth	C	2013	767,560	273,628	80	70	3.7	97.0	2.3	5.1	19	21	56	46	n/a	n/a	16.2	Y
City of Frisco	C	2010	137,330	50,311	61	75	2.4	100.0	0.0	1.2	1	25	42	54	n/a	n/a	9.1	Y
City of Frost	C	2010	643	250	50	50	n/a	97.0	0.0	0.5	5	9	22	50	n/a	n/a	14.7	Y
City of Gainesville	C	2013	16,200	8,444	47	63	1.4	100.0	0.0	0.6	1	12	24	50	n/a	n/a	9.6	Y
City of Garland	C	2013	231,618	69,620	62	75	1.6	99.5	2.1	1.0	5	22	29	53	n/a	n/a	11.0	Y
City of Grand Prairie	C	2013	181,230	65,779	83	48	3.2	98.5	0.0	0.9	5	17	33	31	n/a	n/a	2.2	Y
City of Grapevine	C	2013	47,854	14,528	51	68	0.5	99.2	0.0	1.7	7	38	8	52	n/a	n/a	11.0	Y
City of Gunter	C	2010	1,500	485	12	84	n/a	95.0	0.0	1.0	15	16	n/a	n/a	1125	1600	28.0	Y
City of Haltom City	C	2013	43,374	12,512	57	60	1.2	95.0	0.0	1.0	19	20	17	44	n/a	n/a	9.3	Y
City of Heath	C	2011	5,513	2,005	32	82	n/a	100.0	0.0	2.1	2	47	5	50	n/a	n/a	0.9	Y
City of Highland Park	C	2010	8,650	5,370	134	55	3.7	99.0	0.0	1.5	7	31	39	50	n/a	n/a	7.7	Y
City of Highland Village	C	2013	17,000	5,497	54	70	1.6	100.0	0.0	0.9	0	29	28	53	n/a	n/a	5.3	Y
City of Honey Grove	C	2013	1,668	734	32	56	n/a	96.0	0.0	1.0	10	13	n/a	n/a	4380	1600	38.3	Y
City of Howe	C	2010	2,600	1,092	99	65	n/a	98.0	0.3	0.0	4	11	89	50	n/a	n/a	34.1	Y
City of Hurst	C	2013	35,939	16,638	82	55	0.9	99.0	0.0	0.8	4	18	11	36	n/a	n/a	4.7	Y
City of Hutchins	C	2013	5,200	1,374	34	72	1.2	98.0	0.0	1.2	10	26	18	50	n/a	n/a	6.0	Y
City of Irving	C	2013	220,750	98,859	141	66	n/a	98.0	0.0	0.9	8	19	15	37	n/a	n/a	6.2	Y
City of Jacksboro	C	2013	4,511	1,422	46	65	n/a	98.0	0.0	1.0	9	22	6	50	n/a	n/a	3.6	Y
City of Kaufman	C	2013	6,831	2,511	47	49	n/a	98.0	0.0	1.3	9	23	79	50	n/a	n/a	17.5	Y
City of Keller	C	2013	41,090	16,284	58	80	0.4	99.5	0.0	0.6	3	27	8	58	n/a	n/a	2.4	Y
City of Kemp	C	2010	2,118	706	71	65	n/a	80.0	11.4	1.0	69	14	21	50	n/a	n/a	23.8	Y
City of Kennedale	C	2010	6,750	2,453	61	50	n/a	98.0	0.4	1.1	9	21	55	50	n/a	n/a	15.1	Y
City of Krum	C	2010	3,800	1,483	59	52	n/a	99.0	0.0	0.8	4	16	27	50	n/a	n/a	10.1	Y
City of Ladonia	C	2010	760	340	11	40	n/a	99.0	0.0	0.4	2	8	n/a	n/a	332	1600	18.3	Y
City of Lake Worth	C	2013	4,780	2,218	63	62	n/a	97.0	0.0	1.0	11	18	67	50	n/a	n/a	19.7	Y
City of Lancaster	C	2013	37,097	666	4	55	3.1	97.0	0.0	16.5	162	280	289	275	n/a	n/a	6.8	Y
City of Leonard	C	2010	1,990	799	27	48	n/a	99.0	0.0	0.7	3	13	n/a	n/a	2090	1600	26.8	Y
City of Lewisville	C	2013	97,140	41,355	109	55	1.7	99.0	0.0	0.2	3	18	19	33	n/a	n/a	6.6	Y
City of Lucas	C	2010	1,012	432	36	64	n/a	96.0	0.0	0.7	11	15	3	50	n/a	n/a	5.4	Y
City of Mabank	C	2010	5,564	1,890	34	60	n/a	99.0	1.4	1.7	9	32	108	50	n/a	n/a	17.6	Y
City of Malakoff	C	2013	10,590	3,530	12	70	0.8	99.0	1.9	0.6	4	11	35	128	n/a	n/a	17.3	Y
City of Mansfield	C	2013	3,096	1,032	34	62	n/a	99.0	0.0	0.6	2	10	23	50	n/a	n/a	11.0	Y
City of McKinney	C	2013	59,317	19,835	67	55	5.0	99.0	0.0	1.3	6	25	64	38	n/a	n/a	13.6	Y
City of Melissa	C	2013	144,100	47,404	55	65	2.1	93.0	0.0	1.4	36	27	34	48	n/a	n/a	13.0	Y
City of Mesquite	C	2013	7,290	2,243	45	65	n/a	96.0	0.0	1.0	14	19	46	50	n/a	n/a	15.7	Y
City of Midlothian	C	2013	140,240	54,953	93	67	0.8	96.5	2.3	0.7	12	14	11	42	n/a	n/a	8.2	Y
City of Milford	C	2013	15,017	5,432	30	80	1.0	98.0	0.0	1.1	9	21	26	80	n/a	n/a	8.1	Y
City of Muenster	C	2010	685	290	36	65	n/a	85.0	10.4	0.5	36	8	24	50	n/a	n/a	29.4	Y
City of Murphy	C	2010	1,556	773	45	79	n/a	97.0	0.0	0.7	9	15	5	50	n/a	n/a	4.9	Y
City of North Richland Hills	C	2013	18,960	5,954	63	60	4.9	99.0	0.0	1.3	6	27	70	42	n/a	n/a	14.1	Y
City of Palmer	C	2013	65,210	20,695	58	75	0.3	98.0	0.0	1.2	10	25	6	55	n/a	n/a	3.4	Y
City of Pelican Bay	C	2013	2,012	762	36	60	n/a	98.0	0.0	0.5	5	12	20	50	n/a	n/a	2.6	Y
City of Pilot Point	C	2013	1,698	569	47	80	n/a	97.0	0.3	0.5	6	9	1	50	n/a	n/a	13.2	Y
City of Plano	C	2010	5,200	1,833	73	60	n/a	98.0	0.0	0.7	6	12	26	50	n/a	n/a	11.2	Y
City of Plano	C	2013	266,600	82,085	59	70	4.1	99.2	0.0	1.6	6	33	69	51	n/a	n/a	11.7	Y
City of Polkboro	C	2012	2,163	972	51	80	n/a	95.0	0.0	0.8	14	15	35	50	n/a	n/a	15.4	Y
City of Rhomre	C	2010	1,420	470	19	60	n/a	98.0	0.0	1.7	10	25	n/a	n/a	4855	1600	38.8	Y
City of Richardson	C	2013	100,850	33,891	59	50	4.8	99.0	0.0	1.6	7	34	58	36	n/a	n/a	10.2	Y
City of Richland Hills	C	2013	7,801	3,093	66	72.5	n/a	99.0	0.0	0.8	3	15	19	50	n/a	n/a	7.1	Y
City of River Oaks	C	2010	7,427	2,922	68	80	n/a	99.0	0.0	0.6	3	14	3	50	n/a	n/a	2.5	Y
City of Rockwall	C	2010	38,748	12,916	50	60	2.9	90.0	6.4	1.3	64	25	44	46	n/a	n/a	18.9	Y
City of Rowlett	C	2013	57,703	20,703	91	51	1.0	99.5	0.0	0.8	2	17	11	32	n/a	n/a	4.1	Y
City of Sachse	C	2013	21,596	7,826	67	65	4.6	99.0	0.0	1.0	4	18	69	45	n/a	n/a	19.1	Y
City of Saginaw	C	2013	20,140	7,230	65	75	0.4	98.0	0.0	1.0	9	21	8	52	n/a	n/a	4.1	Y
City of Sherman	C	2013	39,513	17,937	64	65	1.3	98.0	3.4	1.0	12	21	20	46	n/a	n/a	7.9	Y

City of Southlake	C	2013	27,080	9,815	36	65	4.2	98.0	0.0	2.4	20	50	80	58	n/a	n/a	10.4	N	
City of Southmayd	C	2010	420	140	7	60	n/a	90.0	0.0	0.4	16	8	n/a	n/a	67	1600	10.4	N	
City of Springtown	C	2013	2,658	2,413	75	85	n/a	99.0	0.0	0.4	1	6	53	50	n/a	n/a	15.0	N	
City of Terrell	C	2013	17,665	7,192	49	86	2.6	99.0	0.0	0.8	4	16	59	67	n/a	n/a	35.7	N	
City of The Colony	C	2013	40,028	12,030	61	50	5.0	96.0	0.0	1.0	14	18	60	36	n/a	n/a	18.9	Y	
City of Tioga	C	2013	1,305	435	36	65	n/a	97.0	0.0	0.6	7	12	5	50	n/a	n/a	19.2	N	
City of Tom Bean	C	2011	1,045	464	33	58	n/a	98.0	20.8	1.1	26	10	224	50	n/a	n/a	4.8	Y	
City of Trenton	C	2010	662	330	10	58	n/a	98.0	0.0	0.9	8	19	n/a	n/a	104	1600	5.1	Y	
City of Trinity	C	2013	886	486	16	50	n/a	95.0	0.0	0.6	11	12	n/a	n/a	484	1600	16.1	Y	
City of University Park	C	2013	23,068	10,023	114	80	3.9	94.0	0.0	1.4	32	28	62	47	n/a	n/a	16.4	N	
City of Van Alstyne	C	2013	3,046	1,333	22	60	n/a	96.0	0.1	0.6	9	12	n/a	n/a	349	1600	10.5	Y	
City of Watauga	C	2013	24,330	8,378	96	80	0.3	90.0	0.0	0.7	26	13	n/a	n/a	n/a	n/a	11.7	N	
City of Waxahachie	C	2013	31,731	14,101	67	65	2.2	98.4	0.0	1.0	7	21	34	45	n/a	n/a	9.9	Y	
City of Weatherford	C	2013	25,940	12,208	44	65	2.3	98.5	0.0	0.8	5	16	40	53	n/a	n/a	13.9	Y	
City of Whitesboro	C	2013	3,914	1,560	70	65	n/a	94.0	0.0	0.6	13	11	34	50	n/a	n/a	19.6	Y	
City of Whitewright	C	2010	2,000	796	32	45	n/a	96.0	3.4	0.7	12	11	39	50	n/a	n/a	17.5	N	
City of Willow Park	C	2011	4,164	1,791	36	50	n/a	99.0	0.0	0.9	4	18	68	50	n/a	n/a	20.3	N	
City of Windom	C	2010	245	130	22	60	n/a	100.0	0.0	0.4	8	9	n/a	n/a	63	1600	2.0	Y	
City of Wortham	C	2013	1,077	675	19	56	n/a	94.0	0.0	0.8	7	17	12	41	n/a	751	28.0	N	
City of Wylie	C	2013	39,279	13,093	87	65	0.9	98.0	0.0	0.7	13	13	14	50	n/a	n/a	5.8	Y	
Combine WSC	C	2010	3,200	1,034	34	55	n/a	95.0	0.0	0.6	4	11	n/a	n/a	n/a	n/a	10.4	Y	
Community WSC	C	2010	3,687	1,229	31	50	n/a	98.0	0.0	0.6	4	11	n/a	n/a	2052	1600	27.9	N	
Copeville SUD	C	2013	3,638	1,269	16	65	n/a	98.0	0.0	0.6	5	12	n/a	n/a	404	1600	13.3	Y	
Corbet WSC	C	2012	2,450	840	1	70	n/a	96.0	0.0	1.5	25	33	12	50	n/a	n/a	12.1	Y	
Country Ridge Water	C	2010	6,250	2,086	43	65	n/a	99.0	0.0	0.6	3	13	n/a	n/a	579	1600	11.6	Y	
Culleoka WSC	C	2013	2,536	208	208	63	1.3	99.0	0.0	0.7	3	15	18	41	n/a	n/a	7.9	Y	
Dallas County WCID 6	C	2013	23,500	7,042	78	63	7.3	95.9	0.0	1.8	2	33	114	47	n/a	n/a	15.9	N	
Dallas Water Utility	C	2012	1,213,600	330,000	67	68	n/a	98.0	0.0	0.0	11	32	50	50	n/a	n/a	9.8	Y	
Denon County FWSD 1-A Castle	C	2013	9,426	2,998	54	79	n/a	98.0	0.0	1.3	11	28	4	50	n/a	n/a	3.0	Y	
Denton County FWSD 7 Lantana	C	2013	9,204	2,832	69	90	n/a	100.0	0.0	0.6	1	12	21	50	n/a	n/a	9.2	Y	
Denton Estates Mobile Home Par	C	2010	123	45	36	45	n/a	95.0	0.0	0.6	10	11	n/a	n/a	315	1600	19.1	Y	
Dial WSC	C	2010	1,722	574	9	60	n/a	90.0	0.0	0.7	18	10	n/a	n/a	340	1600	38.5	N	
Dogwood Estates Water Compan	C	2010	315	105	4	60	n/a	95.0	0.0	0.9	16	17	n/a	n/a	781	1600	19.6	Y	
Double Rock Estates	C	2010	1,239	413	14	75	n/a	100.0	0.0	0.3	0	7	19	50	n/a	n/a	14.6	Y	
East Cedar Creek FWSD B A McKa	C	2013	6,075	2,050	41	55	n/a	98.0	0.0	0.5	3	7	4	50	n/a	n/a	5.3	Y	
East Cedar Creek FWSD Brookshir	C	2013	12,033	4,290	39	55	1.3	98.0	0.0	0.8	4	10	20	48	n/a	n/a	11.5	Y	
East Fork SUD	C	2010	9,096	3,032	43	48	n/a	100.0	0.0	0.6	7	17	21	50	n/a	n/a	8.6	Y	
Echo Valley WSC	C	2010	60	20	20	60	n/a	98.0	0.0	0.4	3	12	n/a	n/a	250	1600	5.8	Y	
Elmo WSC	C	2010	2,280	760	12	68	n/a	95.0	0.0	0.6	11	12	n/a	n/a	327	1600	18.2	Y	
Era WSC	C	2010	420	140	28	60	n/a	95.0	0.0	0.0	23	25	9	50	n/a	n/a	15.4	Y	
Forest Hill Two WSC	C	2010	116	36	36	60	n/a	96.0	0.0	0.8	12	16	19	50	n/a	n/a	6.8	Y	
Forney Lake WSC	C	2013	6,564	2,188	88	65	n/a	90.0	0.0	0.0	0	12	n/a	n/a	1061	1600	19.5	Y	
Garrett Community Water Compa	C	2010	648	259	22	50	n/a	96.0	0.0	0.9	4	14	18	n/a	n/a	245	1600	7.9	Y
Harbor Grove WSC	C	2010	420	140	35	35	n/a	96.0	0.0	0.8	1	17	n/a	n/a	357	1600	4.5	Y	
High Country Estates	C	2013	342	114	18	52	n/a	100.0	0.0	0.6	9	17	8	50	n/a	n/a	5.5	Y	
Highland WSC	C	2010	408	136	27	65	n/a	92.0	0.0	0.0	7	19	5	50	n/a	n/a	3.5	Y	
Hills of Oliver Creek	C	2010	664	218	22	50	n/a	97.0	0.0	0.0	9	17	8	50	n/a	n/a	24.8	N	
Kaufman County FWSD 1A	C	2010	4,605	1,535	59	68	n/a	98.0	0.0	0.6	2	20	108	50	n/a	n/a	22.8	Y	
Kaufman County MUD 11	C	2010	2,949	983	89	68	n/a	98.0	0.0	0.0	0	24	0	50	n/a	n/a	0.1	Y	
Kaufman County MUD 12	C	2010	2,763	921	66	68	n/a	98.0	0.0	0.7	4	12	n/a	n/a	107	1600	4.7	Y	
Keechi Addition	C	2010	100	40	13	60	n/a	99.0	0.0	0.6	5	12	n/a	n/a	n/a	n/a	35.0	N	
Kiowa Homeowners WSC	C	2013	1,970	1,254	54	61	n/a	100.0	0.0	0.0	0	24	0	50	n/a	n/a	6.8	Y	
Knob Hill Water System	C	2010	180	74	19	40	n/a	98.0	0.0	0.6	4	11	92	50	n/a	n/a	18.9	Y	
Lakeview Water System	C	2010	198	66	33	50	n/a	98.0	0.0	0.0	3	12	13	50	n/a	n/a	20.8	Y	
Lakewood Tanglewood	C	2010	330	132	33	60	n/a	99.0	0.0	0.4	0	7	26	50	n/a	n/a	9.7	Y	
Lakewood Water East	C	2010	228	91	46	50	n/a	100.0	0.0	0.0	0	7	n/a	n/a	819	1600	18.9	Y	
Lakewood Water West	C	2010	375	150	25	50	n/a	98.0	0.0	0.0	0	7	28	50	n/a	n/a	20.8	Y	
Lancaster MUD 1	C	2010	693	231	46	67	n/a	98.0	0.0	0.0	6	17	28	50	n/a	n/a	9.7	Y	

Longhorn Meadows Addition	C	2010	591	197	25	61	n/a	100.0	0.0	0.5	1	11	n/a	n/a	38	1600	1.0	Y
Luella SUD	C	2011	3,300	1,145	13	70	n/a	98.0	0.0	0.8	6	16	n/a	n/a	358	1600	10.7	Y
M&L WSC	C	2010	474	158	26	70	n/a	100.0	0.0	0.7	1	15	n/a	n/a	319	1600	4.5	Y
Marilee SUD	C	2010	5,001	1,665	7	55	n/a	98.0	0.0	0.8	6	16	n/a	n/a	256	1600	13.2	Y
Markout WSC	C	2010	1,720	688	28	40	n/a	95.0	0.0	0.8	15	16	n/a	n/a	1231	1600	18.0	Y
Meadow Ranch Water System	C	2010	36	12	12	50	n/a	100.0	0.0	0.5	0	11	n/a	n/a	95	1600	4.3	Y
Milligan WSC	C	2010	3,285	1,095	30	65	n/a	98.0	0.0	0.7	6	15	n/a	n/a	106	1600	6.0	Y
Millisap WSC	C	2010	1,110	370	12	65	n/a	98.0	0.0	0.0	4	12	n/a	n/a	97	1600	3.4	Y
Moody Water System	C	2010	205	65	13	55	n/a	98.0	0.0	1.2	8	19	n/a	n/a	1727	1600	30.3	N
Mount Zion WSC	C	2010	2,367	718	60	65	n/a	94.0	0.0	1.2	20	26	19	50	n/a	n/a	28.7	N
Mountain Peak SUD	C	2013	11,355	3,785	24	66	4.0	96.0	4.1	1.0	16.83	15.88	100	74	n/a	n/a	10.7	Y
Mountain Springs WSC	C	2010	2,802	934	2	75	n/a	98.0	0.0	0.8	6	16	n/a	n/a	62	1600	10.7	Y
Mustang SUD	C	2013	15,130	4,323	24	65	0.2	98.0	0.1	0.8	6	16	n/a	n/a	52	1600	10.7	Y
North Farmersville WSC	C	2010	670	224	15	65	n/a	92.0	0.0	0.8	25	16	n/a	n/a	291	1600	13.6	N
North Kaufman WSC	C	2013	2,142	714	16	60	n/a	98.0	0.0	0.0	3	9	n/a	n/a	131	1600	8.4	Y
North Town Acres	C	2010	350	170	15	55	n/a	100.0	0.0	0.7	1	15	n/a	n/a	138	1600	3.4	Y
Oak Bend Homeowners Water S	C	2010	70	30	30	55	n/a	100.0	0.0	0.2	0	26	n/a	n/a	17	1600	0.2	Y
Oak Ridge South Gale WSC	C	2010	2,640	880	20	90	n/a	98.0	0.0	0.5	4	10	n/a	n/a	464	1600	14.2	Y
Our WSC	C	2010	168	57	57	35	n/a	100.0	0.0	0.0	0	11	n/a	n/a	50	n/a	0.8	Y
Parker County SUD Ground Water	C	2013	405	135	11	70	n/a	100.0	0.0	0.5	1	9	n/a	n/a	674	1600	29.3	Y
Parker County SUD Surface	C	2013	3,663	1,221	13	75	n/a	100.0	0.0	0.6	1	13	n/a	n/a	533	1600	16.1	Y
Payne Springs WSC	C	2010	807	318	10	61	n/a	100.0	0.0	2.4	2	43	n/a	n/a	2286	1600	23.4	N
Pelican Isle Water System	C	2010	36	130	43	43	n/a	99.0	0.2	0.1	1	1	24	50	n/a	n/a	50.2	Y
Pilot Point Rural Water Supply	C	2010	28	28	28	46	n/a	100.0	0.0	0.6	1	13	n/a	n/a	32	1600	0.8	Y
Pink Hill WSC	C	2010	2,109	753	8	67	n/a	98.0	0.0	0.5	4	10	n/a	n/a	207	1600	14.9	Y
Pleasant Grove WSC	C	2010	1,395	465	5	60	n/a	99.0	0.1	0.6	3	13	n/a	n/a	5	1600	1.7	Y
Poetry WSC	C	2013	3,087	1,029	13	70	n/a	99.0	0.0	0.6	3	12	n/a	n/a	258	1600	9.8	Y
Poetry WSC	C	2010	3,126	1,042	14	63	n/a	99.0	0.1	0.6	3	12	n/a	n/a	252	1600	9.0	Y
Point Royal Water System	C	2010	123	65	65	55	n/a	98.0	0.1	0.4	2	11	0	50	n/a	n/a	1.5	Y
Preston Club Utility Corporation	C	2013	405	231	66	50	n/a	98.0	0.0	0.1	1	3	1	50	n/a	n/a	3.3	Y
Purdum Water	C	2010	385	153	8	55	n/a	100.0	0.0	0.0	0	10	n/a	n/a	78	1600	5.6	Y
Randolph WSC	C	2010	390	151	10	60	n/a	100.0	0.0	0.4	0	1	n/a	n/a	1576	1600	98.8	Y
Retreat Water System	C	2010	595	238	16	55	n/a	0.0	0.0	0.0	0	11	n/a	n/a	703	1600	19.8	Y
Rice WSC	C	2010	9,498	3,166	7	60	0.5	95.0	0.0	0.5	10	10	n/a	n/a	204	1600	17.7	Y
Rockett SUD	C	2013	37,023	12,314	16	62	1.7	99.0	0.0	0.7	3	14	52	90	n/a	n/a	19.1	Y
Rose Hill SUD	C	2011	4,065	1,330	10	65	n/a	99.0	0.0	0.7	2	9	74	50	n/a	1600	10.6	Y
RRA Preston Shores Water Syste	C	2012	1,785	711	36	65	n/a	99.0	0.0	0.6	2	10	n/a	n/a	262	1600	32.3	N
Rural Bardwell WSC	C	2010	738	246	4	60	n/a	95.0	7.7	0.8	17	10	n/a	n/a	537	1600	50.0	N
Sage Brush Estates	C	2010	342	114	14	60	n/a	92.0	0.0	0.5	16	10	n/a	n/a	69	1600	9.9	N
Sardis Lone Elm WSC	C	2013	13,860	4,950	24	65	2.8	99.0	0.6	1.2	6	23	58	74	n/a	n/a	15.7	Y
Sky View Ranch Estates	C	2010	96	32	8	50	n/a	94.0	0.0	0.7	17	15	n/a	n/a	2	1600	6.1	N
South Freestone County WSC	C	2010	3,345	1,115	7	60	n/a	96.0	0.0	0.5	7	10	n/a	n/a	303	1600	22.6	Y
South Grayson WSC	C	2010	3,900	1,391	15	80	n/a	100.0	0.0	0.8	1	18	n/a	n/a	446	1600	8.8	Y
Southeast Water Co	C	2010	195	58	29	60	n/a	100.0	0.0	0.6	1	11	n/a	n/a	1636	1600	22.8	N
Southwest Fannin County SUD	C	2010	6,264	2,088	3	70	n/a	99.0	0.0	0.6	2	11	n/a	n/a	152	1600	20.1	Y
Spanish Grant Subdivision	C	2010	1,098	435	31	56	n/a	95.0	0.0	0.6	12	13	n/a	n/a	3183	1600	34.4	N
Starr WSC	C	2010	2,470	846	11	72	n/a	99.0	0.0	0.5	2	11	n/a	n/a	242	1600	10.9	Y
Stonebridge Estates WSC	C	2010	426	142	24	65	n/a	100.0	0.0	0.6	1	12	n/a	n/a	167	1600	3.5	Y
Stonebridge WSC	C	2010	45	15	15	42	n/a	100.0	0.0	0.4	0	21	n/a	n/a	5	1600	0.2	Y
Tally WSC	C	2010	7,500	2,376	158	65	n/a	99.0	0.0	0.9	4	19	31	50	n/a	n/a	9.7	Y
Terraced Acres WSC	C	2010	75	25	25	55	n/a	100.0	0.0	0.8	1	15	n/a	n/a	1804	1600	22.1	N
Town of Addison	C	2013	13,056	3,676	42	65	0.7	97.0	0.0	3.2	41	71	12	54	n/a	n/a	4.1	Y
Town of Edgely Village	C	2010	2,600	1,221	81	35	n/a	99.0	0.0	0.0	3	17	5	50	n/a	n/a	2.8	Y
Town of Flower Mound	C	2013	67,615	21,359	53	75	2.1	99.0	0.0	1.5	7	33	40	57	n/a	n/a	7.6	Y
Town of Lakeside	C	2010	2,000	825	38	48	n/a	95.0	0.0	0.9	18	19	5	50	n/a	n/a	6.6	Y
Town of Little Elm East	C	2013	28,704	9,568	80	65	0.9	98.0	0.0	0.8	7	17	12	42	n/a	n/a	5.9	Y
Town of Little Elm West	C	2013	720	240	28	57	n/a	98.5	0.0	0.8	5	16	n/a	n/a	535	1600	7.9	Y
Town of Northlake	C	2010	1,550	400	33	50	n/a	99.0	0.0	1.7	9	39	3	50	n/a	n/a	1.6	Y
Town of Ponder	C	2010	2,400	800	20	55	n/a	95.0	0.3	0.8	15	16	n/a	n/a	23	1600	5.2	Y

Town of Prosper	C	2010	9,350	3,127	50	80	2.1	99.0	0.0	1.5	7	31	43	50	n/a	n/a	8.3	Y
Town of Sunnyvale	C	2010	4,600	2,010	19	75	n/a	98.0	0.0	1.9	16	39	n/a	n/a	1485	1600	12.1	Y
Town of Westlake	C	2010	847	478	32	100	n/a	100.0	0.0	4.6	5	98	127	50	n/a	n/a	7.1	Y
Town of Westover Hills	C	2010	658	314	45	55	n/a	94.0	0.0	5.0	110	97	221	50	n/a	n/a	16.5	N
Trophy Club MUD 1	C	2013	8,440	3,014	50	55	n/a	99.0	0.0	2.2	10	45	61	50	n/a	n/a	8.2	N
Two Way SUD	C	2012	4,890	1,630	8	75	n/a	98.0	0.0	0.7	6	15	n/a	n/a	98	1600	6.5	Y
Vacation Village	C	2010	837	279	93	50	n/a	98.0	0.0	0.6	5	12	18	50	n/a	n/a	9.8	Y
Verona SUD	C	2010	2,745	915	12	65	n/a	96.0	0.0	0.6	9	12	n/a	n/a	516	1600	20.0	Y
Virginia Hill WSC	C	2010	3,648	1,216	5	80	n/a	97.0	0.3	0.6	7	11	n/a	n/a	267	1600	22.3	Y
Walnut Creek SUD	C	2010	20,892	5,969	15	130	0.0	97.0	0.0	0.0	9	17	1	200	n/a	n/a	3.3	Y
West Cedar Creek MUD	C	2013	16,623	6,038	12	60	0.6	98.0	0.0	0.5	4	9	20	108	n/a	n/a	12.3	Y
West Wise SUD	C	2010	3,321	1,107	14	60	n/a	95.0	2.5	0.8	15	13	n/a	n/a	474	1600	16.0	N
Weston WSC	C	2010	693	231	15	60	n/a	96.0	0.0	0.8	10	14	n/a	n/a	1179	1600	27.2	Y
White Shed WSC	C	2010	2,800	927	8	60	n/a	98.0	0.0	0.5	4	11	n/a	n/a	208	1600	14.6	Y
Whitt WSC	C	2010	174	58	19	50	n/a	90.0	0.5	0.3	12	6	n/a	n/a	179	1600	17.0	N
Wildwood Water System	C	2010	508	203	15	60	n/a	99.0	0.0	0.5	2	10	n/a	n/a	240	1600	9.9	Y
Willowcreek Farms	C	2010	43	18	18	60	n/a	99.0	0.0	0.7	3	15	n/a	n/a	61	1600	2.5	Y
Windmill Trail	C	2010	168	56	11	60	n/a	92.0	0.0	0.8	23	15	n/a	n/a	42	1600	8.9	N
Winkler WSC	C	2012	924	308	0	0	n/a	98.0	0.0	0.5	4	9	n/a	n/a	0	1600	12.1	Y
Woodbine WSC	C	2010	5,619	1,870	5	75	n/a	98.0	0.0	0.7	6	14	n/a	n/a	74	1600	7.5	Y
Wylie Northeast SUD	C	2013	4,918	1,306	50	68	n/a	97.0	0.0	0.8	10	16	17	50	n/a	n/a	8.1	Y

ATTACHMENT 11



RED RIVER GROUNDWATER CONSERVATION DISTRICT

FANNIN COUNTY AND GRAYSON COUNTY

Annual Review

of

Texas State Soil & Water Conservation Board

State Water Supply Enhancement Plan dated July 2014

(formerly State Brush Control Plan)



Red River Groundwater Conservation District Management Plan Objective G.3 – Brush Control – requires that the District evaluate the State Water Supply Enhancement Plan (formerly referred to as the State Brush Control Plan) at least once each year to determine whether projects within the District will increase groundwater resources of the District. The most recent State Brush Control Plan ("Plan") is the July 2014 Plan by the Texas State Soil & Water Conservation Board ("TSSWCB").

The following are excerpts from the TSSWCB State Brush Control Plan dated July 2014:

In watersheds where Water Supply Enhancement Program ("WSEP") grant funds have been allocated, the TSSWCB works through the Soil and Water Conservation Districts ("SWCDs") to delivery technical assistance to landowners in order to implement brush control activities for water supply enhancement. A 10-year resource management plan is developed for each property enrolled in the WSEP which describes the brush control activities to be implemented, follow-up treatment requirements, and brush density to be maintained after treatment. Cost-share assistance is provided through the WSEP to landowners implementing brush control activities on eligible acres.

In 1985 TSSWCB and the Texas Water Development Board ("TWDB") developed a list of water supply reservoirs where brush control could possibly enhance water supplies (Table 3.1) (TSSWDB 1999) (copy attached). Beginning in 1998, TSSWCB, in cooperation with many partnering entities, has been conducting assessments of the feasibility of conducting brush control water supply enhancement in watersheds across Texas. These feasibility studies estimate the potential water yield enhanced.

For a watershed to be considered eligible for allocation of WSEP cost-share funds, a feasibility study must demonstrate increases in projected post-treatment water yield as compared to the pre-treatment conditions.

Feasibility Studies have been conducted and published, and the reports accepted by the TSSWCB as established WSEP Project Watersheds for the following:

Lake Arrowhead (RRA 2002)
Lake Brownwood (LCRA 2002)
Upper Guadalupe River above Canyon Lake (Bumgarner and Thompson 2012)
Gonzales County [Carrizo-Wilcox Aquifer Recharge Zone and Guadalupe River] (McLendon et al. 2012)
Frio River above Choke Canyon Reservoir (HDR 2000b)
Nueces River above Lake Corpus Christi [above confluence Frio River] (HDR 2000c)
Edwards Aquifer Recharge Zone [Frio River, Hondo Creek, Medina River, Upper Nueces River, Sabinal River, and Seco Creek] (HDR 2000a)
North Concho River [O.C. Fisher Lake] (UCRA 1999)
O.H. Ivie Reservoir [Upper Colorado River] (UCRA 2000)
Wichita River above Lake Kemp (RRA 2000)
Canadian River above Lake Meridith (CRMWA 2000)
Palo Pinto Reservoir (BRA 2003b)
Fort Phantom Hill Reservoir (BRA 2003a)
E.V. Spence Reservoir [Upper Colorado River] (UCRA 2000)
Lake J.B. Thomas [Upper Colorado River] (UCRA 2000)
Pedernales River [Lake Travis] (LCRA 2000)
Twin Buttes Reservoir [including Lake Nasworthy] (UCRA 2000)

Feasibility Studies in Progress, being either solely conducted with TSSWCB WSEP funding or collaboratively funded by third-parties:

Goliad and Victoria Counties, including Lower San Antonio and Guadalupe Rivers
Lake Alan Henry (impounds South Fork Double Mountain Fork Brazos River)
O.H. Ivie Reservoir lake basin (saltcedar specific)
Upper Llano River, including South and North Llano Rivers and Junction City Lake
Wilson, Karnes, and Refugio Counties (third-party funding; SARA)
Edwards Aquifer Recharge Zone – Upper Nueces River (Carrizo cane specific) (third-party funding; NRA and EAA)

Studies critical to the WSEP and that will contribute to the overall understanding of water supply enhancement through brush control:

Linking the Gonzales County Feasibility Study to the Carrizo-Wilcox Aquifer Groundwater Availability Model in Gonzales County
Linking Empirical Data from Honey Creek State Natural Area to the Upper Guadalupe River Feasibility Study Model
Effects on Huisache Removal on ET in South Central Texas at the McFaddin Ranch in Victoria County

Proposed Feasibility Studies to be considered in the future:

Bandera County groundwater recharge to Medina River
DeWitt County, including lower Guadalupe River and Lavaca River
Hubbard Creek Lake (saltcedar specific)
Stillhouse Hollow Reservoir (impounds Lampasas River)
Upper Brazos River Basin above Possum Kingdom Reservoir (endangered species issues)
Caldwell and Guadalupe Counties, Carrizo-Wilcox Aquifer Recharge Zone
Upper Blanco River, Edwards Aquifer Recharge Zone
Upper Cibolo Creek, Edwards Aquifer Recharge Zone
Lake Buchanan, including San Saba River, Brady Creek, and lower Pecan Bayou
Lake LBJ, primarily Llano River below confluence of South and North Llano Rivers
Lake Whitney, including Steele Creek
White River Reservoir (saltcedar specific)

The TSSWCB program goals and evaluation criteria are focused on enhancing domestic and municipal uses of water for sustaining human life and the life of domestic animals, agricultural and industrial uses, commercial value and environmental flows, as well as enhancing mining and recovery of minerals, power generation, navigation, recreation and pleasure and other beneficial uses of water. TSSWCB implements project proposals that most enhance water quantity to the municipal water supplies most in need, and directs grant funds toward acreage within an established project that will yield the most water.

Agriculture Code §203.053 requires that in prioritizing water supply enhancement projects for funding, the TSSWCB shall consider the need for conservation of water resources within the territory of the project, based on the *State Water Plan* as adopted by the TWDB. The only Regional Water Planning Groups providing recommended Water Management Strategies for brush control with quantified yields were for Region F and Region J.

The TSSWCB identifies watersheds across the state where it is feasible to conduct brush control in order to enhance public water supplies. Detailed guidance on factors that must be considered in a feasibility study have been developed. Once a feasibility study is completed, if it demonstrates increases in projected post-treatment water yield as compared to the pre-treatment conditions, the TSSWCB may consider designating the study area as a priority WSEP Project Watershed, making the watershed eligible for allocation of WSEP cost-share funds. The TSSWCB uses a competitive grant process to rank and select feasible projects and allocate WSEP cost-share funds.

Currently, there are no feasibility studies occurring in Fannin or Grayson Counties.

References:

Texas State Soil & Water Conservation Board, ***State Water Supply Enhancement Plan, July 2014***

ATTACHMENT 14

Red River Groundwater Conservation District

Well Registration Summary As of October 31, 2015

Well Type	Total Registered Fannin County	Total Registered Grayson County	September 2015	New Registrations
Domestic	87	136	204	19
Agriculture	11	25	36	0
Oil/Gas	0	18	19	-1
Surface Impoundments	4	11	15	0
Commercial	4	3	6	1
Golf Course	0	15	15	0
Livestock	12	14	25	1
Irrigation	0	4	4	0
Public Water	54	208	262	0
Total	172	434	586	20

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