



CITY OF DAINGERFIELD

Water Conservation and Drought Contingency Plan

April 2026

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1. INTRODUCTION

This water conservation plan has been developed for the City of Daingerfield's residential and commercial retail water customers. The purpose of this plan is to encourage a permanent reduction in the quantity of water utilized by City customers through the implementation of efficient water supply and usage practices. Through the structured and systematic application of the contents of this water conservation plan the City anticipates a significant reduction in per capita water use over the next 10 years.

2. LOCATION AND GENERAL DESCRIPTION

The City of Daingerfield is located in Northeast Texas at the intersection of US Highway 259 and Highway 11 in Morris County. Census data estimates that the current population is 2,522. Average annual rainfall for the City is approximately 48 inches.

3. WATER SYSTEM DESCRIPTION

The City of Daingerfield provides potable water within its city limits as well as additional area in the Certificate of Convenience and Necessity (CCN) number 10503.

- a. Service Area: The City of Daingerfield currently provides water to approximately 1,349 service connections. The majority of these connections are located within the Daingerfield city limits, however the City provides water service to several residential and commercial customers outside of the city limits.
- b. Water Supply: The City of Daingerfield purchases 100% of its treated and filtered water from the Northeast Texas Municipal Water District (NETMWD). The source of raw water treated by NETMWD is the Cypress Creek Basin and Lake O' the Pines.
- c. Water System Operation: The distribution system for the City of Daingerfield functions with two pressure planes and is composed of elevated storage tanks, ground storage tanks and high service pumps. Treated Water from NETMWD is metered and received at Plant 1 located on Carpenter Street where it is stored to be distributed to each pressure plane. Pumps at Plant 1 are situated to fill the elevated storage tank at Plant 1 that provides to Pressure Plane 1 and fills tanks at Plant 2 located on Union Street that provides to Pressure Plane 2.

Average water consumption for the City of Daingerfield is approximately 161 gallons per capita per day (gpcd) based on records for treated water within the City's distribution system for the previous five years.

4. UTILITY PROFILE

Appendix A of this plan is a utility profile for the City of Daingerfield which includes population and customer information, water use data, water supply data, and wastewater system data.

5. RECORD MANAGEMENT SYSTEM

The City of Daingerfield maintains a comprehensive records management system designed to track and document municipal water use. Water consumption data is categorized into Residential, Multi-Family, Commercial, Industrial, and Institutional

sectors. These records are monitored regularly, and the resulting data is incorporated into the City's annual Water Loss Audit and Water Conservation Report, as required by state reporting standards.

6. SPECIFIC, QUANTIFIED 5 & 10-YEAR TARGETS

For the previous five years, customers of the City of Daingerfield have used an average of 161 gallons per capita day (GPCD), including residential usage of 54 GPCD, of water. The City has experienced an average water loss of 28 GPCD in that time frame. A reduction in these numbers could benefit the system financially and allow for the future availability of water supplies for generations to come.

The City of Daingerfield is committed to limiting water loss and unaccounted for water use throughout its system. Specific 5 and 10 year water conservation targets for the City are as follows:

5-Year Target: Reduce average per capita water consumption and reduce water loss below 10%.

10-Year Target: Reduce average per capita water consumption and reduce water loss below 10%.

The 5- and 10-year targets for the City of Daingerfield are summarized in **Appendix B**.

7. METERING SERVICES

The City of Daingerfield maintains a master meter at the point of release from NETMWD at Plant 1. The City's master meter shall be calibrated annually to within +/- 2% accuracy to insure proper measurement of the quantity of water diverted into its distribution system.

8. UNIVERSAL METERING

The City of Daingerfield meters all water pumped into its distribution system as described in the section above. In addition, all service connections, pumping stations, interconnections, swimming pools, parks, and municipal structures operated by the City are metered or **will** be metered to help closely monitor actual water use, water losses, and prevent unauthorized use. Meters two inches and larger shall be tested every three years in accordance with American Water Work Association (AWWA) standards to provide minimum accuracy of +/- five percent (5%). The City will also provide preventative maintenance programs, including regular testing, repairs, and replacement, for water meters to meet AWWA standards.

9. WATER LOSS CONTROL MEASURES

In effort to reduce unaccounted-for water use and water loss due to broken water mains, leaky joints, faulty service meters, illegal service connections, and unmetered water usages such as line flushing, the City shall perform the following tasks:

- a. Yearly: Perform water system audits comparing the amount of water pumped into the distribution system to the amount of water consumed based on water meter readings as per TWDB guidelines. This report shall be submitted to TWDB annually.
- b. Monthly: Review monthly water consumption for all system meters in comparison to previous monthly usages. This data can be used to help identify possible leaks in the system or potential issues with meters.

- c. Daily: Record unmetered water usages, such as line flushing or other city related water use, and review monthly.
- d. Daily: Implement a program to observe distribution system piping and meters for leaks daily. Areas known to have water loss issues or are at high risk shall be the focus of these daily observations. All findings from daily observation shall be recorded and reviewed monthly.

10. CONTINUING PUBLIC EDUCATION & INFORMATION

The City of Daingerfield is committed to providing continuing public education on the importance of water conservation and water conserving strategies. The City's continuing public education and information program is as follows:

- a. The City shall provide a packet of water conservation literature for all new water customers.
- b. The City shall provide water conservation literature to all customers annually.
- c. The City shall conduct a public participation meeting annually to review this water conservation plan and to solicit input from water service customers.
- d. The City shall obtain water conservation literature and materials as developed by the Texas Water Development Board (TWDB) and the American Water Works Association (AWWA) and make this information readily available to all water service customers.
- e. The City shall make water conservation literature available to customer online at the city's website.
- f. Water conservation literature to be distributed shall include information on low flow plumbing features and devices, retrofitting existing plumbing features, conservation orientated landscaping and irrigation, and other general conservation strategies.

11. NON-PROMOTIONAL WATER RATE STRUCTURE

In an effort to maintain a water rate structure that encourages water conservation, the City shall examine its rates annually. Currently, the City has a graduated water rate system and those rates are as attached in **Appendix C**.

12. RESERVOIR SYSTEMS OPERATIONS PLAN

The City of Daingerfield obtains its treated water supply from the Northeast Texas Municipal Water District (NETMWD). NETMWD primarily sources raw water from Lake O' the Pines, which is maintained and operated by the U.S. Army Corps of Engineers under its authorized reservoir operations plan. NETMWD also utilizes Lake Bob Sandlin as an additional raw water source; this reservoir is maintained and operated by the Titus County Fresh Water Supply District No. 1.

13. ENFORCEMENT PROCEDURE & PLAN ADOPTION

Implementation and enforcement of this plan shall be by the authority of the City of Daingerfield, a municipal entity in the State of Texas.

The City Manager or his/ her designee shall be responsible for implementation for this water conservation plan. The City Manager shall be responsible for general oversight of all portions of implementation and enforcement of this plan, as well as notifying customers of deviations in the City's water conservation plan. The City Manager or his/ her designee shall be responsible for record keeping and preparation of an annual report on the status of the City's water conservation program. The annual report shall include but not be

limited to an evaluation of the overall effectiveness of the plan, public acceptance of the plan, and the status of implementation for this water conservation plan. This report shall be submitted to the City Manager and presented for approval before the City Council.

The City shall perform the following items in conjunction with enforcing and adopting this plan:

- a. Adopt a resolution supporting the water conservation plan, and authorizing implementation and enforcement of the plan.

Attached as **Appendix D** is the resolution adopting this plan.

14. COORDINATION WITH THE REGIONAL WATER PLANNING GROUPS

The service area of the City of Daingerfield is located within the Northeast Texas Region (Region D) and the City will provide a copy of this water conservation plan to the Region D Water Planning Group.

15. WATER CONSERVATION RETROFIT PROGRAM

Retrofit of existing plumbing fixtures for the City of Daingerfield shall be accomplished through voluntary efforts of City water customers. The City shall encourage citizens to install conservation oriented plumbing features through literature and materials distributed as part of the public education portion of this water conservation program. Local plumbers shall also be encouraged to recommend water conserving applications and devices including but not limited to low flow toilets, shower heads, faucets, and urinals. Recirculation filtration equipment will also be encouraged for use in swimming pools.

16. PLUMBING CODE

The city shall consider an ordinance to adopt the National Standard Plumbing Code, Most Recent Edition.

17. REVISIONS AND MODIFICATIONS

This Plan is applicable to the water supply and water distribution system as it currently exists for the City of Daingerfield. The City reserves the right to amend this plan when conditions change that affect its water supply and/or distribution system. All modifications, deletions, additions, or changes to this plan shall be submitted to the Texas Water Development Board for approval.

DROUGHT CONTINGENCY PLAN

Section I: Declaration of Policy, Purpose and Intent

In order to conserve the available water supply and to protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water emergency conditions, the City of Daingerfield adopts the following Drought Contingency Plan (Plan).

Water uses regulated or prohibited under this Drought Contingency Plan are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section X of this Plan.

Section II: Public Involvement

Opportunity for the public and water customers to provide input into the preparation of the Plan was provided by the City of Daingerfield by means of holding a public hearing to accept input on the Plan and by direct communication with members of the public and customers.

Section III: Water Customer Education

The City of Daingerfield will periodically provide water customers with information about the Plan, including information about the conditions under which each state of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of providing each customer with a copy of the Plan and by direct communication.

Section IV: Coordination with Regional Water Planning Groups

The water service area of the City of Daingerfield is located within the Region D Area, and the City of Daingerfield has provided a copy of the Plan to the Northeast Texas Regional Water Planning Group.

Section V: Authorization

The City Manager or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The City Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section VI: Application

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the City of Daingerfield. The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

Section VII: Definitions

For the purposes of this Plan, the following definitions shall apply:

Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using water supplied by _____ (*name of your water supplier*).

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

Foundation watering: an application of water to the soils directly abutting (within 2 feet) the foundation of a building, structure.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- (d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9

Section VIII: Criteria for Initiation and Termination of Drought Response Stages

The City Manager or his/her designee shall monitor water supply and/or demand conditions on a weekly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. The City will notify water customers and the media for initiation and termination of each stage.

The triggering criteria described below are based on pumping capacity, surface supply volumes or whether our wholesale water provider Northeast Texas Municipal Water District (NETMWD) has had to initiate their Drought Contingency Plan.

Stage 1 – Mild Water Shortage Conditions

Requirements for Initiation - Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, defined in Section VII Definitions, when a mild water shortage condition exists when 85% of pumping capacity is utilized in a 48-hour period or when the volume of surface supply is less than 50% of capacity. Or when our wholesale provider NETMWD has initiated Stage 1 of their Drought Contingency Plan.

Requirements for Termination - Stage 1 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 15 consecutive days. The City of Daingerfield will notify its water customers and the media of the termination of Stage 1 in the same manner as the notification of initiation of Stage 1 of the Plan.

Stage 2 – Moderate Water Shortage Conditions

Requirements for Initiation - Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when 90% of pumping capacity is utilized in a 48-hour period or when the volume of surface supply is less than 40% of capacity. Or when our wholesale provider NETMWD has initiated Stage 2 of their Drought Contingency Plan.

Requirements for Termination - Stage 2 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 15 consecutive days. Upon termination of Stage 2, Stage 1, or the applicable drought response stage based on the triggering criteria, becomes operative. The City of Daingerfield will notify its water customers and the media of the termination of Stage 2 in the same manner as the notification of initiation of Stage 1 of the Plan.

Stage 3 – Severe Water Shortage Conditions

Requirements for Initiation - Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 3 of this Plan when 95% of pumping capacity is utilized in a 48-hour period or when the volume of surface supply is less than 25% of capacity. Or when our wholesale provider NETMWD has initiated Stage 3 of their Drought Contingency Plan.

Requirements for Termination - Stage 3 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 15 consecutive days. Upon termination of Stage 3, Stage 2, or the applicable drought response stage based on the triggering criteria, becomes operative. The City of

Daingerfield will notify its water customers and the media of the termination of Stage 3 in the same manner as the notification of initiation of Stage 2 of the Plan.

Stage 4 – Critical Water Shortage Conditions

Requirements for Initiation - Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 4 of this Plan when the volume of surface supply is less than 15% of capacity.

Requirements for Termination - Stage 4 of the Plan may be rescinded when all the conditions listed as triggering events have ceased to exist for a period of 15 consecutive days. Upon termination of Stage 4, Stage 3, or the applicable drought response stage based on the triggering criteria, becomes operative. The City of Daingerfield will notify its water customers and the media of the termination of Stage 4 in the same manner as the notification of initiation of Stage 3 of the Plan.

Stage 5 – Emergency Water Shortage Conditions

Requirements for initiation - The City of Daingerfield will recognize that an emergency water shortage condition exists when major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; or when there is natural or man-made contamination of the water supply source.

Requirements for termination - Stage 5 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 15 consecutive days. The City of Daingerfield will notify its water customers and the media of the termination of Stage 5.

Section IX: Drought Response Stages

The City Manager, or his/her designee, shall monitor water supply and/or demand conditions daily and, in accordance with the triggering criteria set forth in Section VIII of this Plan, shall determine that a mild, moderate, severe, critical, emergency or water shortage condition exists and shall implement the following notification procedures:

Notification

Notification of the Public:

The City Manager or his/ her designee shall notify the public by means of public notice in newspaper, signs posted in public spaces, and direct mail to each customer.

Additional Notification:

The City Manager or his/ her designee shall notify directly, or cause to be notified directly, the following individuals and entities: Mayor, City Council, County Emergency Management Coordinator, County Commissioner, TCEQ, and Major and Critical Water Users.

Stage 1 – Mild Water Shortage Conditions

Target: Achieve a voluntary 10 percent reduction daily water demand.

Voluntary Water Use Restrictions for Reducing Demand:

- (a) Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.
- (b) All operations of the City of Daingerfield shall adhere to water use restrictions prescribed for Stage 1 of the Plan.
- (c) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

Stage 2 – Moderate Water Shortage Conditions

Target: Achieve a voluntary 15 percent reduction daily water demand.

Water Use Restrictions for Demand Reduction:

Under threat of penalty for violation, the following water use restrictions shall apply to all people:

- (a) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at any time if it is by means of a hand-held hose, a faucet filled bucket or watering can of 5 gallons or less, or drip irrigation system.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.
- (c) Use of water to fill, refill, or add to any indoor or outdoor swimming pools,

wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.

- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) Use of water from hydrants shall be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the City of Daingerfield.
- (f) Use of water for the irrigation of golf course greens, tees, and fairways is prohibited except on designated watering days between the hours 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.
- (g) The following uses of water are defined as non-essential and are prohibited:
 - 1. wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
 - 2. use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - 3. use of water for dust control;
 - 4. flushing gutters or permitting water to run or accumulate in any gutter or street; and
 - 5. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

Stage 3 – Severe Water Shortage Conditions

Target: Achieve a 20 percent reduction in daily water demand

Water Use Restrictions for Demand Reduction:

All requirements of Stage 2 shall remain in effect during Stage 3 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.
- (b) The watering of golf course tees is prohibited unless the golf course utilizes a water source other than that provided by the City of Daingerfield

- (c) The use of water for construction purposes from designated fire hydrants under special permit is to be discontinued.
- (d) Foundation Watering (within 2 feet) and watering of trees may occur for two hours one day per week with a hand-held hose or with a dedicated zone using a Drip Irrigation system and/or Soaker Hose, provided no runoff occurs

Stage 4 – Critical Water Shortage

Target: Achieve a 25 percent reduction in daily water demand

Water Use Restrictions for Reducing Demand:

All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 6:00 a.m. and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, or drip irrigation only. The use of hose-end sprinklers or permanently installed automatic sprinkler systems are prohibited at all times.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited. Further, such vehicle washing at commercial car washes and commercial service stations shall occur only between the hours of 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10 p.m.
- (c) The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved, and time limits for approval of such applications are hereby suspended for such time as this drought response stage or a higher-numbered stage shall be in effect.

Stage 5 – Emergency Water Shortage Conditions

Target: Achieve a 20 percent reduction in daily water demand

Water Use Restrictions for Reducing Demand:

All requirements of Stage 2, 3, and 4 shall remain in effect during Stage 5 except:

- (a) Irrigation of landscaped areas is absolutely prohibited, except soaker hoses, hand-held hoses or a dedicated zone using a drip irrigation system may be used to water trees up to two hours per week or foundations as necessary, provided no runoff occurs.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited

Section X: Violations

1. First violation - The customer will be notified by written notice of their specific violation.
2. Subsequent violations:
 - a. After written notice, the utility may install a flow restricting device in the line to limit the amount of water which will pass through the meter in a 24-hour period. The utility may charge the customer for the actual cost of installing and removing the flow restricting device, not to exceed \$50.00.
 - b. After written notice, the utility may discontinue service at the meter for a period of seven (7) days, or until the end of the calendar month, whichever is LESS. The normal reconnect fee of the utility will apply for restriction of service.

Section XI: Exemptions Or Variances

The City Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the City of Daingerfield within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances

shall be reviewed by the City Manager, or his/her designee, and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Purpose of water use.
- (c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- (d) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (e) Description of the relief requested.
- (f) Period of time for which the variance is sought.
- (g) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (h) Other pertinent information.

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APPENDIX A
UTILITY PROFILE

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Contact Information

Name of Utility:

Public Water Supply Identification Number (PWS ID):

Contact: First Name: Last Name:

Title:

Address: City: State:

Zip Code: Zip+4: Email:

Telephone Number: Date:

Is this person the designated Conservation Coordinator? Yes No

Regional Water Planning Group:

Groundwater Conservation District:

Our records indicate that your entity:

- Received financial assistance of \$500,000 or more from TWDB
- Have 3,300 or more retail connections
- Have a surface water right with TCEQ

A. Population and Service Area Data

1. Current service area size in square miles:

Attached file(s):

File Name	File Description
existing water distribution system map 10-3-23.pdf	

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. Historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Water Service
2025	2,522	0	2,522
2024	2,522	2,522	2,522
2023	2,522	0	2,522
2022	2,522	0	2,522
2021	2,522	0	2,522

3. Projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Water Service
2030	2,179	0	2,179
2040	2,239	0	2,239
2050	2,318	0	2,318
2060	2,400	0	2,400
2070	2,445	0	2,445

4. Described source(s)/method(s) for estimating current and projected populations.

Population projection numbers came from <https://www.twdb.texas.gov/waterplanning/data/projections/2027/municipal.asp>.

* At this moment in time City of Daingerfield does not wholesale water and as of now there are no plans to in the future.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. System Input

System input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Water Produced in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2025	0	139,093,400	0	139,093,400	151
2024	0	158,805,051	0	158,805,051	172
2023	0	147,250,505	0	147,250,505	159
2022	0	145,305,102	0	145,305,102	157
2021	0	124,161,000	0	124,161,000	134
Historic 5-year Average	0	142,923,012	0	142,923,012	155

C. Water Supply System

Attached file(s):

File Name	File Description
watersystem.docx	

1. Designed daily capacity of system in gallons
2. Storage Capacity
 - 2a. Elevated storage in gallons:
 - 2b. Ground storage in gallons:

D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc. The 5 and 10 year projections must align with your 5 & 10 year targets and goals.

Year	Population	Water Demand (gallons)	GPCD
2027	2,152	139,924,401	178.14
2028	2,161	142,336,014	180.45
2029	2,170	144,789,193	182.80

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2030	2,179	147,284,652	185.19
2031	2,185	147,639,222	185.12
2032	2,191	147,994,646	185.06
2033	2,197	148,350,925	185.00
2034	2,203	148,708,063	184.94
2035	2,209	149,066,059	184.88
2036	2,215	149,424,918	184.82

2. Description of source data and how projected water demands were determined.

Attached file(s):

File Name	File Description
tceq population projection - city of daingerfield.xlsx	

E. High Volume Customers

1. The annual water use for the five highest volume **RETAIL** customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
Atlas Roofing	Industrial	18,981,300	Treated
Capstone Healthcare, Daingerfield	Institutional	3,744,800	Treated
Laundry Xpress	Commercial	2,046,000	Treated
JWC Country Club Daingerfield	Commercial	1,940,500	Treated
Housing Authority - South Park Village	Residential	1,516,700	Treated

2. The annual water use for the five highest customers by volume. **WHOLESALE** customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
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UTILITY PROFILE FOR RETAIL WATER SUPPLIER

F. Utility Data Comment Section

Additional comments about utility data.

Section II: System Data

A. Retail Water Supplier Connections

1. List of active retail connections by major water use category.

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential - Single Family	1,035	76.72 %
Residential - Multi-Family	113	8.38 %
Industrial	2	0.15 %
Commercial	137	10.16 %
Institutional	62	4.60 %
Agricultural	0	0.00 %
Total	1,349	100.00 %

2. Net number of retail water supplier connections, installed and removed, by water use category per year for the previous five years.

Net Number of Retail Water Supplier Connections							
Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2025	1,035	113	2	137	62	0	1,349
2024	1,026	113	2	138	59	0	1,338
2023	1,037	113	2	124	71	0	1,347
2022	1,014	113	2	149	70	0	1,348
2021	1,236	106	2	0	33	0	1,377

B. Annual and Seasonal Use

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

1. Gallons of RETAIL water provided to each major water use category. These volumes come from the previous five years of water use survey data. If a field is open to edit, please enter the volumes.

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2025	42,716,820	4,653,000	18,981,300	13,303,200	16,674,000	0	96,328,320
2024	43,825,450	5,522,390	16,224,000	13,383,900	16,829,440	0	95,785,180
2023	50,450,300	3,246,600	9,601,000	11,739,000	17,215,500	0	92,252,400
2022	43,744,200	4,153,400	2,062,300	13,178,100	18,020,900	0	81,158,900
2021	62,966,900	4,142,900	1,986,400	0	19,259,400	0	88,355,600

2. The gallons of water billed and metered to RETAIL customers for the previous five years. The total for each year should match the total for each year in the accounting table.

Month	Total Gallons of Treated Water				
	2025	2024	2023	2022	2021
January	11,942,800	14,180,800	9,788,100	10,602,000	9,217,000
February	10,954,200	9,671,400	9,031,000	9,538,400	12,086,000
March	10,592,400	10,316,400	10,632,600	9,744,400	10,989,000
April	10,450,400	9,040,000	9,448,200	9,208,800	11,585,000
May	11,994,800	10,147,700	12,796,200	11,566,200	9,222,000
June	11,907,400	10,887,500	12,519,600	14,942,300	10,299,000
July	12,295,800	14,167,700	12,671,400	15,161,600	11,029,000
August	13,354,800	15,495,700	12,860,000	13,585,000	11,002,000
September	12,457,800	19,047,700	13,978,400	13,153,700	10,194,000
October	12,135,100	18,916,800	13,020,500	12,556,000	9,721,000
November	10,124,400	12,432,200	14,858,500	11,216,300	8,787,000
December	10,883,500	12,636,600	14,674,000	11,101,200	10,030,000
Total	139,093,400	156,940,500	146,278,500	142,375,900	124,161,000

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated)	Total RETAIL (Treated)
2025	50,015,800	139,093,400
2024	59,598,600	156,940,500
2023	52,029,400	146,278,500
2022	56,842,600	142,375,900
2021	42,524,000	124,161,000
Average in Gallons	52,202,080.00	141,769,860.00

4. Peak Day Use

Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2025	381,077	408239	1.0713
2024	429,973	440770	1.0251
2023	400,763	413597	1.0320
2022	390,070	474879	1.2174
2021	340,167	351413	1.0331

5. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	48,740,734	76.72 %	53.69 %
Residential - Multi-Family	4,343,658	8.38 %	4.79 %
Industrial	9,771,000	0.15 %	10.76 %
Commercial	10,320,840	10.16 %	11.37 %
Institutional	17,599,848	4.60 %	19.39 %
Agricultural	0	0.00 %	0.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Residential Water Use

The previous five years residential GPCD for single family and multi-family units.

Year	Total Residential GPCD
2025	51
2024	54
2023	58
2022	52
2021	73
Historic Average	58

D. Water Loss

Water loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD
2025	16,761,445	18
2024	19,701,162	21
2023	23,812,378	26
2022	44,353,410	48
2021		
Average	26,157,099	28

E. System Data Comment Section

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 700,000

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	1,069	0	1,069	84.17 %
Industrial	2	0	2	0.16 %
Commercial	137	0	137	10.79 %
Institutional	62	0	62	4.88 %
Agricultural	0	0	0	0.00 %
Total	1,270	0	1,270	100.00 %

3. Percentage of water serviced by the wastewater system: 100.00 %

4. Number of gallons of wastewater that was treated by the utility for the previous five years.

Month	Total Gallons of Treated Water				
	2025	2024	2023	2022	2021
January	9,404,000	12,519,000	9,930,000	5,716,000	13,150,000
February	10,969,000	10,006,000	15,140,000	6,137,000	11,248,000
March	8,868,000	13,311,000	9,078,000	7,442,000	14,450,000
April	13,208,000	18,556,000	8,788,000	6,880,000	9,156,000
May	9,748,000	11,805,000	3,234,000	5,843,000	14,630,000
June	12,234,000	13,333,000	0	5,274,000	11,653,000
July	5,846,000	7,627,000	2,482,000	4,359,000	6,715,000
August	5,567,000	5,832,000	4,658,000	4,932,000	6,377,000
September	4,992,000	6,510,000	4,541,000	4,501,000	4,689,000
October	9,987,000	5,803,000	6,468,000	5,730,000	4,643,000
November	12,767,000	6,725,000	6,229,000	8,393,000	5,777,000
December	12,557,000	9,084,000	6,027,000	8,623,000	6,017,000
Total	116,147,000	121,111,000	76,575,000	73,830,000	108,505,000

5. Could treated wastewater be substituted for potable water?

Yes
 No

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. Reuse Data

1. Data by type of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site Irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (park,golf courses)	0
Agricultural	
Discharge to surface water	0
Evaporation Pond	0
Other	
Total	0

C. Wastewater System Data Comment

Additional comments and files to support or explain wastewater system data listed below.

APPENDIX B

5 AND 10 YEAR GOALS FOR WATER SAVINGS

WATER CONSERVATION GOALS FOR RETAIL WATER SUPPLIER

Contact Information

Name of Utility:

Public Water Supply Identification Number (PWS ID):

Contact: First Name: Last Name:

Title:

Address: City: State:

Zip Code: Zip+4: Email:

Telephone Number: Date:

Is this person the designated Conservation Coordinator? Yes No

Regional Water Planning Group:

Groundwater Conservation District:

Our records indicate that your entity:

- Received financial assistance of \$500,000 or more from TWDB
- Have 3,300 or more retail connections
- Have a surface water right with TCEQ

	Historic 5 Year Average	Baseline	5-Year Goal for Year 2031	10-Year Goal for Year 2036
Total GPCD	161	161	150	145
Residential GPCD	54	54	50	50
Water Loss GPCD	28	28	15	15

1. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365
 2. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365
 3. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365

APPENDIX C
WATER RATES

ORDINANCE NO. 2024-02

AN ORDINANCE BY THE CITY COUNCIL OF THE CITY OF DAINGERFIELD, TEXAS, AMENDING CHAPTER 14, SECTION 14-19 REGARDING RATES CHARGED BY THE CITY FOR WATER SERVICES, AND PROVIDING FOR AN EFFECTIVE DATE.

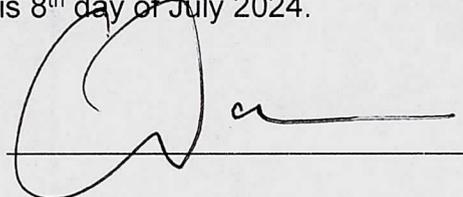
BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DAINGERFIELD, TEXAS:

The water rates prescribed by Chapter 14, Section 14-19 of the Code of Ordinances of the City of Daingerfield, Texas, are amended and shall be effective with the billing month of October 2024 and shall thereafter read as follows:

(1) Minimum for the first two thousand (2,000) gallons	\$26.33
(2) Per 1,000 gallons for the next 8,000 gallons	\$ 6.28
(3) Per 1,000 gallons for the next 30,000 gallons	\$ 6.57
(4) Per 1,000 gallons for the next 40,000 gallons	\$ 7.19
(5) Per 1,000 gallons for all over 80,000 gallons	\$ 7.78

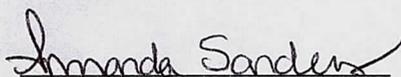
(Ord. of01-29-63; § 1; Ord. No. 76-11, 10-25-76; Ord. No. 80-10, 06-30-80; Ord. No. 81-3, 05-04-81; Ord. No. 83-4, 09-27-83; Ord. No. 84-9, 07-23-84; Ord. No. 1996-5, 07-08-96; Ord. No. 1996-8, 09-09-96; Ord. No. 1999-6, 10-11-99; Ord. No. 2001-02, 10-08-01; Ord. No. 2002-04, 09-16-02; Ord. No. 2008-06, 06-9-08; Ord. No. 2009-04, 09-14-09, Ord. No. 2012-04, 09-17-12, Ord. No. 2020-05, 08-10-20. Ord. No 2023-07)

PASSED, ADOPTED AND APPROVED this 8th day of July 2024.



Wade Kerley, Mayor

ATTEST:



Amanda Sanders
City Secretary



ORDINANCE NO. 2023-08

AN ORDINANCE BY THE CITY COUNCIL OF THE CITY OF DAINGERFIELD, TEXAS, AMENDING CHAPTER 14, SECTION 14-20 REGARDING RATES CHARGED BY THE CITY FOR SEWER SERVICES, AND PROVIDING FOR AN EFFECTIVE DATE.

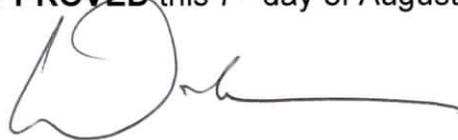
BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DAINGERFIELD, TEXAS:

The sewer rates prescribed by Chapter 14, Section 14-20 of the Code of Ordinances of the City of Daingerfield, Texas, are amended effective with the billing month of October 2023 and shall thereafter read as follows:

- (1) Minimum charge for up to 4,000 gallons of water used \$27.53
- (2) Per 1,000 gallons for all over 4,000 gallons of water used \$ 4.40
- (3) For bills rendered to residential customers during the calendar months of June, July, August and September, the maximum sewer charge shall not exceed the amount charged for 10,000 gallons of water used.”

(Ord. of 01-29-63, § 2; Ord. of 11-25-68, § 1; Ord. No. 76-12, 10-25-76; Ord. No. 80-11, 06-20-80; Ord. No. 81-3, 05-04-81; Ord. No. 82-7, 09-23-82; Ord. No. 82-8, 11-22-82; Ord. No. 86-2, 07-14-86; Ord. No. 87-5, 06-22-87; Ord. No. 92-2, 09-14-92; Ord. No. 95-2, 09-25-92; Ord. No. 96-5, 07-08-96; Ord. No. 1996-8, 09-09-96; Ord. No. 1999-6, 10-11-99; Ord. No. 2001-02, 10-08-01; Ord. No. 2002-04, 09-16-02; Ord. No. 2008-06, 06-9-08; Ord. No. 2012-04, 09-17-12, Ord. No 2020-06, 08-10-20. Ord. No 2023-08 08-07-23)

PASSED, ADOPTED AND APPROVED this 7th day of August 2023.



Wade Kerley, Mayor

ATTEST:



Michelle Jones
City Secretary



APPENDIX D
RESOLUTION ADOPTING PLAN