WATER CONSERVATION PLAN
CITY OF DORCHESTER, TEXAS

DATE: MARCH 2026

1. INTRODUCTION AND OBJECTIVES

Water supply has always been a key issue in the development of Texas. In recent years, the growing population and economic development of North Central Texas has led to increasing demands for water supplies. At the same time, local and less expensive sources of water supply are largely developed. Additional supplies to meet higher demands will be expensive and difficult to develop. It is therefore important that the City of Dorchester ("City") and its customers make the most efficient use of existing supplies. This will delay the need for new supplies, minimize the environmental impacts associated with developing new supplies, and delay the high cost of additional water supply development.

Recognizing the need for efficient use of existing water supplies, the Texas Commission on Environmental Quality ("TCEQ") has developed guidelines and requirements governing the development of water conservation plans for public water suppliers[1]. TCEQ guidelines and requirements are included in ***Appendix A***. The City has developed this water conservation plan following TCEQ guidelines and requirements.

The water conservation plan includes measures that are intended to result in ongoing, long-term water savings.

The objectives of this water conservation plan are as follows:

- To reduce water consumption from the levels that would prevail without conservation efforts
- To reduce the loss and waste of water
- To improve efficiency in the use of water
- To document the level of recycling and reuse in the water supply
- To extend the life of current water supplies by reducing the rate of growth in demand

This plan includes all the elements required by TCEQ. Some elements of this plan go beyond TCEQ requirements. This plan also is intended to include requirements of the Texas Water Development Board ("TWDB") for financial assistance programs of greater than $500,000 offered by the TWDB.

2. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES

2.1 Conservation Plans

The TCEQ rules governing development of water conservation plans for public water suppliers are contained in Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.2 of the Texas Administrative Code, which is included in ***Appendix A***. For the purpose of these rules, a water conservation plan is defined as: "A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water."[1] The elements in the TCEQ water conservation rules covered in this conservation plan are listed below.

Minimum Conservation Plan Requirements

The minimum requirements in the Texas Administrative Code for water conservation plans for public water suppliers are covered in this report as follows:

- §288.2(a)(l)(A) -Utility Profile - Section 3 and ***Appendix B***
- §288.2(a)(l)(B) - Record Management System - Section 5.3
- §288.2(a)(l)(C) -Specific, Quantified Goals - Section 4
- §288.2(a)(l)(D) -Accurate Metering - Sections 5.1 and 5.2
- §288.2(a)(l)(E) - Universal Metering- Section 5.2
- §288.2(a)(l)(F) - Determination and Control of Water Loss - Section 5.4
- §288.2(a)(l)(G) - Public Education and Information Program -Section 6
- §288.2(a)(l)(H) - Non-Promotional Water Rate Structure - Section 7
- §288.2(a)(l)(I) - Reservoir System Operation Plan - Section 8.1
- §288.2(a)(l)(J) - Means of Implementing and Enforcement- Section 9
- §288.2(a)(l)(K) - Coordination with Regional Water Planning Group - Section 8.6 and ***Appendix F***
- §288.2(c) - Review and Update of the Plan- Section 10

Conservation Additional Requirements

- §288.2(a)(2)(A) - Leak Detection, Repair, and Water Loss Accounting - Sections 5.4, 5.5 and 5.6
- §288.2(a)(2)(B) - Requirement for Water Conservation Plans by Wholesale Customers - Section 8.5

Additional Conservation Strategies

The TWDB requires a water conservation program annual report. This report is included in ***Appendix C***. The TCEQ requires that a water conservation implementation report be completed and submitted on an annual basis. This report is included in ***Appendix D***.

TCEQ rules also include optional, but not required, conservation strategies, which may be adopted by suppliers. The City has adopted the following optional strategies:

- §288.2(a)(3)(A)-Conservation Oriented Water Rates - Section 7

- §288.2(a)(3)(B) - Ordinances, Plumbing Codes or Rules on Water-Conserving Fixtures - Section 8.3
- §288.2(a)(3)(D) -Reuse and Recycling of Wastewater -Section 8.2
- §288.2(a)(3)(G) -Monitoring Method- Section 5.6

3. WATER UTILITY PROFILE

Appendix B to this Water Conservation and Water Resource and Emergency Management Plan is a water utility profile based on the format recommended by the TCEQ.

4. SPECIFICATION OF WATER CONSERVATION GOALS

TCEQ rules require the adoption of specific water conservation goals for a water conservation plan. The goals for this water conservation plan include the following:

Table 4
WATER CONSERVATION PLAN
5- AND 10-YR GOALS FOR WATER SAVINGS
Facility Name: City of Dorchester
Water Conservation Plan Year: 2026

	Historic 5yr Average	Baseline	5-yr Goal for 2031	10-yr Goal for year 2036
Total GPCD[1]	130	130	115	100
Residential GPCD[2]	128	128	115	105
Water Loss (GPCD)[3]	65	65	54	42
Water Loss (Percentage)[4]	50%	50%	46%	42%

1. Total GCPD = (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
4. Water Loss Percentage = (Total Water Loss ÷ Total Gallons in System) x 100; or (Water Loss GPCD ÷ Total GPCD) x 100

- Implement and maintain a program of universal metering and meter replacement and repair, as discussed in Section 5.2.
- Increase efficient water usage as discussed in Section 8
- Raise public awareness of water conservation and encourage responsible public behavior by a public education and information program, as discussed in Section 6.
- Develop a system specific strategy to conserve water during peak demands, thereby reducing the peak use.
- Maintain meter replacement program

These goals will be reviewed and updated as necessary when the plan is reviewed every five (5) years.

5. METERING, WATER USE RECORDS, CONTROL OF WATER LOSS, AND LEAK DETECTION AND REPAIR

One of the key elements of water conservation is tracking water use and controlling losses through illegal diversions and leaks. The City of Dorchester carefully meters water use, to detect and repair leaks in the distribution system and provide regular monitoring of unaccounted water.

5.1 Accurate Metering

The City of Dorchester meters all treated water deliveries to the distribution system from the water treatment plant master meter. Each meter has an accuracy of plus or minus ten percent.

5.2 Metering of Customer and Public Uses and Meter Testing, Repair and Replacement

Water usage for all customers of the City, including public and government users, is metered. As part of this water conservation plan, the City maintains a meter replacement program that will replace every meter on a 15-year cycle. The City will continue to monitor meters to ensure that the level of accuracy remains high. In addition, meters registering any unusual or questionable readings will be tested and repaired to restore to full functionality.

5.3 Record Management System

As required by TAC, Title 30, Part I, Chapter 288, Subchapter A, Rule 288.2(a)(2)(B), the record management system for the City records water pumped, water delivered, and water sold; estimates for water losses; and .allows for the separation of water sales and uses into residential and commercial categories. This information will be included in an annual report, as described in Section 5.6.

5.4 Determination and Control of Water Loss

Total water loss is the difference between water delivered to customers from the City and metered water sales to customers plus metered water sales to customers plus water authorized for use but not sold. (Authorized but unmetered uses include use for fire fighting, releases for flushing of lines, uses associated with new construction, etc.) Total water loss includes two categories:

- Apparent losses - includes inaccuracies in customer meters (customer meters tend to run more slowly as they age and under-report actual use), losses due to illegal connections and theft, and accounts that are being used but have not yet been added to billing system.
- Real losses - includes physical losses from system or mains, reported breaks and leaks, storage overflow and unreported losses.

Measures to control unaccounted water are part of the routine operations of the City and its customers. Maintenance crews and personnel look for and report evidence of leaks in the water distribution system with periodic visual inspections along distribution lines. A leak

detection and repair program is described in Section 5.5 below. Meter readers watch for and report signs of illegal connections, so they can be quickly addressed.

Total water loss should be calculated in accordance with the provisions of ***Appendix C***, TWDB Water Conservation Plan Annual Report for Retail Water Supplier. With the measures described in this plan, the City's goal is to maintain total water loss at or below 10 percent in each year. If water loss exceeds this goal, the City shall implement a more intensive audit to determine the source(s) of and reduce the unaccounted water. The annual conservation report described below is the primary tool that shall be used to monitor total water loss.

5.5 Leak Detection and Repair

As described above, city/utility crews and personnel look for and report evidence of leaks in the water distribution system. Areas of the water distribution system in which numerous leaks and line breaks occur are targeted for replacement as funds are available.

5.6 Monitoring of Effectiveness and Efficiency - Annual Water Conservation Report

Appendix B (Water Utility Profile based on TCEQ and/or TWDB format) is the form that shall be completed annually and used in the development of an annual water conservation report, as well as identifying water conservation opportunities and potential targets and goals.

5.7 TWDB Annual Water Conservation Report

Appendix C includes the TWDB-required Water Conservation Program Annual Report. The Texas Water code requires that each entity that is required to submit a water conservation plan to the TWDB or the TCEQ shall file an annual report to the TWDB on the entity's progress in implementing each of the minimum requirements in their water conservation plan. This requirement applies to those entities receiving financial assistance of $500,000 or more from the TWDB; entities with 3,300 connections or more; and those entities that have a water right through TCEQ. Entities receiving financial assistance from the TWDB are to maintain an approved water conservation plan in effect until all financial obligations to the state have been discharged and file a report with the TWDB on the progress in implementing each of the minimum requirements in its water conservation plan and the status of any of its customers' water conservation plans required by contract, within one year after closing on the financial assistance and annually thereafter until all financial obligations to the state have been discharged.

6. CONTINUING PUBLIC EDUCATION AND INFORMATION CAMPAIGN

The continuing public education and information campaign on water conservation includes the following elements:

- Include inserts on water conservation with water bills or mail outs at least twice per year. Inserts will include material developed by City staff and material obtained from the Texas Water Development Board ("TWDB"), the TCEQ, and other sources

- Encourage local media coverage of water conservation issues and the importance of water conservation
- Notify local organizations, schools, and civic groups that City staff is available to make presentations on the importance of water conservation and ways to save water
- Promote the Texas Smar/scape website (www.txsmartscape.com) and provide water conservation brochures and other water conservation materials available to the public at city hall and other public places
- Make information on water conservation available online on the City website, www.cityofdorchester.org including links to the *Texas Smartscape* website and to information on water conservation on the TWDB and TCEQ websites and other resources

7. WATER RATE STRUCTURE

With the intent of encouraging water conservation and discouraging waste and excessive use of water, the City of Dorchester has adopted the following water rate structure.

Table 2

Volume Unit Charges (In City Limits)		
Water User	**Type/Volume (gallons)**	**Volume Unit Charge (1,000 gallons)**
Residential-Base Rate	0 - 5000	$45.00
Residential-Volume Rate	5001 - 10,000	$7.60
Residential-Volume Rate	10,001 - 15,000	$8.80
Residential-Volume Rate	15,001 - 20,000	$10.40
Residential-Volume Rate	20,001 - 25,000	$12.00
Residential-Volume Rate	25,001 - 30,000	$13.60
Residential-Volume Rate	Over 30,000	$15.20

Volume Unit Charges (Outside City Limits)		
Water User	**Type/Volume (gallons)**	**Volume Unit Charge (1,000 gallons)**
Residential-Base Rate	0 -5000	$60.00
Residential-Volume Rate	5001 - 10,000	$8.80
Residential-Volume Rate	10,001 - 15,000	$10.40
Residential-Volume Rate	15,001 - 20,000	$12.00
Residential-Volume Rate	20,001 - 25,000	$13.60
Residential-Volume Rate	25,001 - 30,000	$15.20
Residential-Volume Rate	Over 30,000	$16.80

8. OTHER WATER CONSERVATION MEASURES

8.1 Ordinances, Plumbing Codes, or Rules on Water-Conserving Fixtures

The state has required water-conserving fixtures in new construction and renovations since 1992. The state standards call for flows of no more than 2.5 gallons per minute (gpm) for faucets, 2.5 gpm for showerheads, and 1.6 gallons per flush for toilets. Similar standards are now required nationally under federal law. These state and federal standards assure that all new construction and renovations in the City will use water-conserving fixtures be gained through system operation.

8.2 Additional Water Conservation Measures

The following water conservation measure is also included in the Plan:

- Water audits
    - The City of Dorchester currently conducts water audits as required by the TWDB.

8.3 Ordinances, Plumbing Codes, or Rules on Water-Conserving Fixtures

The City of Dorchester adopted the 2000 International Plumbing Code. Similar standards are now required nationally under federal law. These state and federal standards assure that all new construction and renovations in the City will use water-conserving fixtures.

8.4 Requirement for Water Conservation Plans by Wholesale Customers

The City of Dorchester does not currently have wholesale water customers. However, every contract for the wholesale of water by customers that is entered into, renewed, or extended after the adoption of this water conservation plan will include a requirement that the wholesale customer and any wholesale customers of that wholesale customer develop and implement a water conservation plan meeting the requirements of Title 30, Part I, Chapter 288, Subchapter A, Rule 288.2 of the Texas Administrative Code.[1] The requirement will also extend to each successive wholesale customer in the resale of water.

8.5 Coordination with Regional Water Planning Group

Appendix F includes a letter to the Chair of the Region C Water Planning Group transmitting this water conservation plan. The adopted ordinance and the adopted water utility profile will be sent to the Chair of the Region C Water Planning Group, with a copy of the water conservation plan and water resource and emergency management plan.

9. IMPLEMENTATION AND ENFORCEMENT OF THE WATER CONSERVATION PLAN

Appendix E contains a copy of the ordinance adopted by the City Council regarding the water conservation plan and water resource and emergency management plan. ***Appendix E*** includes a copy of an ordinance adopted related to illegal connections and water theft.

9.1 Schedule for Implementing the Plan to Achieve Targets and Goals

Following is a schedule, to achieve the targets and goals for water conservation:

- Calibrations of meters for all treated water deliveries are conducted semi-annually
  - Meter replacement program:
  - Meters will continue to be monitored for accuracy annually and replaced on a fifteen-year cycle, or when accuracy cannot be maintained within ±5%
- Water audits
  - The City of Dorchester currently conducts water audits as required hy the TWDB
  - Water losses are identified and corrected
  - Water losses are minimized by replacement of deteriorating water mains and appurtenances, conducted on an on-going basis
- Materials developed to encourage water conservation measures, materials obtained from the Texas Water Development Board, Texas Commission on Environmental Quality or other sources will be available semi-annually (once in the spring and once in the summer) to all customers
- Water conserving pricing
  - Rates shall continue to be reviewed annually to ensure water revenues exceed expenses and replacement costs and to discourage excessive and wasteful use
- The leak detection program to reduce real water losses
  - Inspections of all water main fittings and connections to be conducted semi-annually
  - Pressure controlled to just above the standard-of-service level by use of pressure zones
  - Pressure zones operated based on the topography
  - Surges in pressure limited by coordination with Fire Department
  - Nighttime pressure reduced by pressure regulation when feasible

9.2 Tracking of Targets and Goals

City staff shall track targets and goals by utilizing the following procedures:

- Records shall be maintained for meter calibration, meter testing, and meter replacement programs
- Water audits shall be documented and kept in the files
- City staff shall keep a record of all available distributed material
- Records shall be maintained for the Leak Detection Program, including but not limited to the following:
  - Annual inspections of all water main fittings and connections

10. REVIEW AND UPDATE OF WATER CONSERVATION PLAN

The plan will be reviewed and restructured as required and as appropriate based on new or updated information.

Water Conservation Plan 2026

City of Dorchester

Appendix A

Texas Administrative Code
Part 1, Chapter 288

Texas Administrative Code

TITLE 30	ENVIRONMENTAL QUALITY
PART 1	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 288	WATER CONSERVATION PLANS, DROUGHT CONTINGENCY PLANS, GUIDELINES AND REQUIREMENTS
SUBCHAPTER A	WATER CONSERVATION PLANS
RULE §288.1	Definitions

The following words and terms, when used in this chapter, shall have the following meanings, unless the context clearly indicates otherwise.

(1) Agricultural or Agriculture--Any of the following activities:

(A) cultivating the soil to produce crops for human food, animal feed, or planting seed or for the production of fibers;

(B) the practice of floriculture, viticulture, silviculture, and horticulture, including the cultivation of plants in containers or non-soil media by a nursery grower;

(C) raising, feeding, or keeping animals for breeding purposes or for the production of food or fiber, leather, pelts, or other tangible products having a commercial value;

(D) raising or keeping equine animals;

(E) wildlife management; and

(F) planting cover crops, including cover crops cultivated for transplantation, or leaving land idle for the purpose of participating in any governmental program or normal crop or livestock rotation procedure.

(2) Agricultural use--Any use or activity involving agriculture, including irrigation.

(3) Best management practices--Voluntary efficiency measures that save a quantifiable amount of water, either directly or indirectly, and that can be implemented within a specific time frame.

(4) 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 water supply is made available for future or alternative uses.

(5) Commercial use--The use of water by a place of business, such as a hotel, restaurant, or office building. This does not include multi-family residences or agricultural, industrial, or institutional users.

(6) Drought contingency plan--A strategy or combination of strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies. A drought contingency plan may be a separate document identified as such or may be contained within another water management document(s).

(7) Industrial use-The use of water in processes designed to convert materials of a lower

order of value into forms having greater usability and commercial value, and the development of power by means other than hydroelectric, but does not include agricultural use.

(8) Institutional use--The use of water by an establishment dedicated to public service, such as a school, university, church, hospital, nursing home, prison, or government facility. All facilities dedicated to public service are considered institutional regardless of ownership.

(9) Irrigation--The agricultural use of water for the irrigation of crops, trees, and pastureland, including, but not limited to, golf courses and parks which do not receive water from a public water supplier.

(10) Irrigation water use efficiency--The percentage of that amount of irrigation water which is beneficially used by agriculture crops or other vegetation relative to the amount of water diverted from the source(s) of supply. Beneficial uses of water for irrigation purposes include, but are not limited to, evapotranspiration needs for vegetative maintenance and growth, salinity management, and leaching requirements associated with irrigation.

(11) Mining use--The use of water for mining processes including hydraulic use, drilling, washing sand and gravel, and oil field re-pressuring.

(12) Municipal use--The use of potable water provided by a public water supplier as well as the use of sewage effluent for residential, commercial, industrial, agricultural, institutional, and wholesale uses.

(13) Nursery grower--A person engaged in the practice of floriculture, viticulture, silviculture, and horticulture, including the cultivation of plants in containers or nonsoil media, who grows more than 50% of the products that the person either sells or leases, regardless of the variety sold, leased, or grown. For the purpose of this definition, grow means the actual cultivation or propagation of the product beyond the mere holding or maintaining of the item prior to sale or lease, and typically includes activities associated with the production or multiplying of stock such as the development of new plants from cuttings, grafts, plugs, or seedlings.

(14) Pollution--The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property, or to the public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose.

(15) Public water supplier--An individual or entity that supplies water to the public for human consumption.

(16) Regional water planning group--A group established by the Texas Water Development Board to prepare a regional water plan under Texas Water Code, §16.053.

(17) Residential gallons per capita per day--The total gallons sold for residential use by a public water supplier divided by the residential population served and then divided by the number of days in the year.

(18) Residential use--The use of water that is billed to single and multi-family residences, which applies to indoor and outdoor uses.

(19) Retail public water supplier--An individual or entity that for compensation supplies water to the public for human consumption. The term does not include an individual or entity that supplies water to itself or its employees or tenants when that water is not

resold to or used by others.

(20) Reuse--The authorized use for one or more beneficial purposes of use of water that remains unconsumed after the water is used for the original purpose of use and before that water is either disposed of or discharged or otherwise allowed to flow into a watercourse, lake, or other body of state-owned water.

(21) Total use--The volume of raw or potable water provided by a public water supplier to billed customer sectors or nonrevenue uses and the volume lost during conveyance, treatment, or transmission of that water.

(22) Total gallons per capita per day (GPCD)--The total amount of water diverted and/or pumped for potable use divided by the total permanent population divided by the days of the year. Diversion volumes of reuse as defined in this chapter shall be credited against total diversion volumes for the purposes of calculating GPCD for targets and goals.

(23) Water conservation coordinator--The person designated by a retail public water supplier that is responsible for implementing a water conservation plan.

(24) Water conservation plan--A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water. A water conservation plan may be a separate document identified as such or may be contained within another water management document(s).

(25) Wholesale public water supplier--An individual or entity that for compensation supplies water to another for resale to the public for human consumption. The term does not include an individual or entity that supplies water to itself or its employees or tenants as an incident of that employee service or tenancy when that water is not resold to or used by others, or an individual or entity that conveys water to another individual or entity, but does not own the right to the water which is conveyed, whether or not for a delivery fee.

(26) Wholesale use--Water sold from one entity or public water supplier to other retail water purveyors for resale to individual customers.

Source Note: The provisions of this §288.1 adopted to be effective May 3, 1993, 18 TexReg 2558; amended to be effective February 21, 1999, 24 TexReg 949; amended to be effective April 27, 2000, 25 TexReg 3544; amended to be effective August 15, 2002, 27 TexReg 7146; amended to be effective October 7, 2004, 29 TexReg 9384; amended to be effective January 10, 2008, 33 TexReg 193; amended to be effective December 6, 2012, 37 TexReg 9515; amended to be effective August 16, 2018, 43 TexReg 5218

TITLE 30 ENVIRONMENTAL QUALITY
PART 1 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CHAPTER 288 WATER CONSERVATION PLANS, DROUGHT CONTINGENCY PLANS, GUIDELINES AND REQUIREMENTS
SUBCHAPTER A WATER CONSERVATION PLANS
RULE §288.2 Water Conservation Plans for Municipal Uses by Public Water Suppliers

(a) A water conservation plan for municipal water use by public water suppliers must provide information in response to the following. If the plan does not provide information for each requirement, the public water supplier shall include in the plan an explanation of why the requirement is not applicable.

(I) Minimum requirements. All water conservation plans for municipal uses by public water suppliers must include the following elements:

(A) a utility profile in accordance with the Texas Water Use Methodology, including, but not limited to, information regarding population and customer data, water use data (including total gallons per capita per day (GPCD) and residential GPCD), water supply system data, and wastewater system data;

(B) a record management system which allows for the classification of water sales and uses into the most detailed level of water use data currently available to it, including, if possible, the sectors listed in clauses (i) - (vi) of this subparagraph. Any new billing system purchased by a public water supplier must be capable of rep01iing detailed water use data as described in clauses
(i) - (vi) of this subparagraph:

(i) residential;
(I) single family;
(II) multi-family;
(ii) commercial;
(iii) institutional;
(iv) industrial;
(v) agricultural; and,
(vi) wholesale.

(C) specific, quantified five-year and ten-year targets for water savings to include goals for water loss programs and goals for municipal use in total GPCD and residential GPCD. The goals established by a public water supplier under this subparagraph are not enforceable;

(D) metering device(s), within an accuracy of plus or minus 5.0% in order to measure and account for the amount of water diverted from the source of supply;

(E) a program for universal metering of both customer and public uses of water, for meter testing and repair, and for periodic meter replacement;

(F) measures to determine and control water loss (for example, periodic visual inspections along distribution lines; annual or monthly audit of the water system to determine illegal connections; abandoned services; etc.);

(G) a program of continuing public education and information regarding water conservation;

(H) a water rate structure which is not "promotional," i.e., a rate structure which is cost-based and which does not encourage the excessive use of water;

(I) a reservoir systems operations plan, if applicable, providing for the coordinated operation of reservoirs owned by the applicant within a common watershed or river basin in order to optimize available water supplies; and

(J) a means of implementation and enforcement which shall be evidenced by:

(i) a copy of the ordinance, resolution, or tariff indicating official adoption of the water conservation plan by the water supplier; and

(ii) a description of the authority by which the water supplier will implement and enforce the conservation plan; and

(K) documentation of coordination with the regional water planning groups for the service area of the public water supplier in order to ensure consistency with the appropriate approved regional water plans.

(2) Additional content requirements. Water conservation plans for municipal uses by public drinking water suppliers serving a current population of 5,000 or more and/or a projected population of 5,000 or more within the next ten years subsequent to the effective date of the plan must include the following elements:

(A) a program of leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system;

(B) a requirement in every wholesale water supply contract entered into or renewed after official adoption of the plan (by either ordinance, resolution, or tariff), and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements in this chapter. If the customer intends to resell the water, the contract between the initial supplier and customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with the provisions of this chapter.

(3) Additional conservation strategies. Any combination of the following strategies shall be selected by the water supplier, in addition to the minimum requirements in paragraphs (1) and (2) of this subsection if they are necessary to achieve the stated water conservation goals of the plan. The commission may require that any of the following strategies be implemented by the water supplier if the commission determines that the strategy is necessary to achieve the goals of the water conservation plan:

(A) conservation-oriented water rates and water rate structures such as uniform or increasing block rate schedules, and/or seasonal rates, but not flat rate or decreasing block rates;

(B) adoption of ordinances, plumbing codes, and/or rules requiring water-conserving plumbing fixtures to be installed in new structures and existing structures undergoing substantial modification or addition;

(C) a program for the replacement or retrofit of water-conserving plumbing fixtures in existing structures;

(D) reuse and/or recycling of wastewater and/or graywater;

(E) a program for pressure control and/or reduction in the distribution system and/or for customer connections;

(F) a program and/or ordinance(s) for landscape water management;

(G) a method for monitoring the effectiveness and efficiency of the water conservation plan; and

(H) any other water conservation practice, method, or technique which the water supplier shows to be appropriate for achieving the stated goal or goals of the water conservation plan.

(b) A water conservation plan prepared in accordance with 31 TAC §363.15 (relating to Required Water Conservation Plan) of the Texas Water Development Board and substantially meeting the requirements of this section and other applicable commission rules may be submitted to meet application requirements in accordance with a memorandum of understanding between the commission and the Texas Water Development Board.

(c) A public water supplier for municipal use shall review and update its water conservation plan, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information. The public water supplier for municipal use shall review and update the next revision of its water conservation plan every five years to coincide with the regional water planning group.

Source Note: The provisions of this §288.2 adopted to be effective May 3, 1993, 18 TexReg 2558; amended to be effective February 21, 1999, 24 TexReg 949; amended to be effective April
27, 2000, 25 TexReg 3544; amended to be effective October 7, 2004, 29 TexReg 9384; amended to be effective December 6, 2012, 37 TexReg 9515

Water Conservation Plan 2026

City of Dorchester

Appendix B

Utility Profile for Retail Water Supplier
TWDB Form No. 1965-R

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Contact Information

Name of Utility: City of Dorchester

Public Water Supply Identification Number (PWS ID): 0910028

Contact: First Name: Gary Last Name: Bennett

Title: Water Operator

Address: 373 Main St. City: Dorchester State: Texas

Zip Code: 75459 Zip+4: 2475 Email: cityofdorchester@yahoo.com

Telephone Number: 903-476-5862 Date: 3/30/2026

Is this person the designated Conservation Coordinator? ○ Yes ◉ No

Regional Water Planning Group: C

Groundwater Conservation District: 96

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: 56

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	1,619	0	0
2024	1,643	0	0
2023	1,632	0	0
2022	1,625	0	0
2021	1,609	0	0
Average	1,626		

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	1,635	0	0
2040	1,785	0	0
2050	1,935	0	0
2060	2,085	0	0
2070	2,235	0	0

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

Based on adding 5 water connections per year with average population of 3 persons per water connection. Therefore average of approximately 150 persons per decade.

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	26,679,080	52,878,000	0	79,557,080	135
2024	18,470,960	64,912,000	0	83,382,960	139
2023	9,013,960	70,131,000	0	79,144,960	133
2022	35,166,880	40,567,960	0	75,734,840	128
2021	38,564,960	29,109,000	0	67,673,960	115
Historic 5-year Average	25,579,168	51,519,592	0	77,098,760	130

C. Water Supply System

1. Designed daily capacity of system in gallons: 568,800

2. Storage Capacity

2a. Elevated storage in gallons: 200,000

2b. Ground storage in gallons: 142,000

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	1,622	76,963,900	130
2028	1,637	77,675,650	130
2029	1,652	78,387,400	130
2030	1,667	79,099,150	130
2031	1,682	79,810,900	130
2032	1,697	80,522,650	130

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2033	1,712	81,234,400	130
2034	1,727	81,946,150	130
2035	1,742	82,657,900	130
2036	1,757	83,369,650	130

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

Based on 15 persons/year growth & demand 130 gpcd.

E. High Volume Customers

Please attach a list of the annual water use for the five highest RETAIL customers by volume and include customer name, water use category, and water type (Treated/Raw).

F. Utility Data Comment Section

Additional comments about utility data.

No Additional Comments

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	610	99.84%
Residential - Multi-Family	1	0.16%
Industrial		0.00%
Commercial		0.00%
Institutional		0.00%
Agricultural		0.00%
Total	611	100.00%

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

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	-9	0					-9
2024	4	0					4
2023	3						3
2022	6	0					6
2021	0	0					0

B. Annual and Seasonal Use

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	34,466,240						34,466,240
2024	37,565,180						37,565,180
2023	38,535,340						38,535,340
2022	43,228,210						43,228,210
2021	37,800,440						37,800,440

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

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	2,629,460	2,598,930	2,998,160	2,849,550	2,825,440
February	2,906,520	3,377,660	2,305,000	3,080,640	3,118,250
March	2,231,380	2,341,350	2,593,190	2,431,440	2,981,670
April	2,717,540	2,492,300	2,658,160	2,621,740	2,819,710
May	2,570,190	2,815,300	3,138,140	2,993,030	2,391,260
June	2,698,550	3,001,290	3,220,110	3,741,220	2,625,720
July	3,289,140	4,061,780	3,372,180	5,490,470	3,841,510
August	4,628,600	3,915,250	5,513,700	6,495,960	4,532,300
September	2,824,120	4,011,110	4,694,280	4,030,160	3,332,130
October	2,992,710	3,612,820	2,917,970	4,351,270	2,784,210
November	2,608,240	2,713,980	2,734,940	2,847,010	2,986,450
December	2,371,790	2,623,410	2,389,510	2,295,720	3,561,790
Total	34,468,240	37,565,180	38,535,340	43,228,210	37,800,440

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated)	Total RETAIL (Treated)
2025	13,440,410	34,468,240
2024	14,989,430	37,565,180
2023	16,800,270	38,535,340
2022	19,757,810	43,228,210
2021	14,331,660	37,800,440
Average in Gallons	15,863,916	38,319,482

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

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	94,434	146,091	1.55
2024	102,918	162,929	1.58
2023	105,576	182,612	1.73
2022	118,433	214,759	1.81
2021	103,563	155,779	1.50

5. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	38,319,082	99.84%	100.00%
Residential - Multi-Family	0	0.16%	0.00%
Industrial	0	0.00%	0.00%
Commercial	0	0.00%	0.00%
Institutional	0	0.00%	0.00%
Agricultural	0	0.00%	0.00%
Total	38,319,082	100.00%	100.00%

C. Residential Water Use

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

Year	Total Residential GPCD
2025	58
2024	63
2023	65
2022	73
2021	64
Historic Average	65

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Water Loss

Water loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD
2025	45,088,840	76
2024	45,817,780	76
2023	40,609,620	68
2022	32,506,630	55
2021	29,873,520	51
Average	38,779,278	65

E. System Data Comment Section

No Additional Comments.

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 0

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

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal			0	0.00%
Industrial			0	0.00%
Commercial			0	0.00%
Institutional			0	0.00%
Agricultural			0	0.00%
Total	0	0	0	0.00%

3. Percentage of water serviced by the wastewater system: 0.00%

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

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					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Total	0	0	0	0	0

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)	
Agricultural	
Discharge to surface water	
Evaporation Pond	
Other	
Total	0

C. Wastewater System Data Comment

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

No Wastewater Facilities

Water Conservation Plan 2026

City of Dorchester

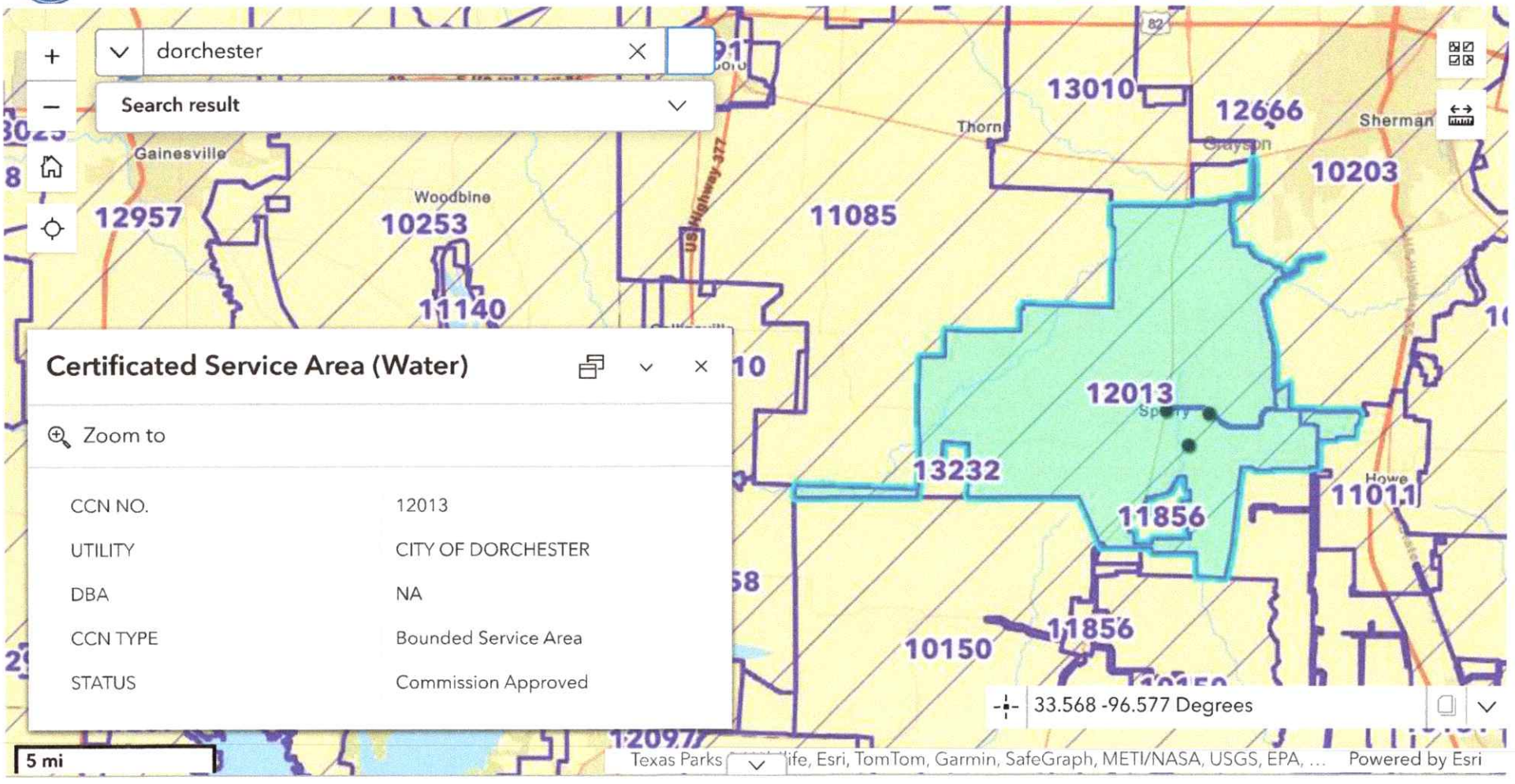
Appendix B - Attachments

A. Service Area Map

C. General Description of System

E. High Volume Customers Table

Public Utility Commission of Texas Water and Sewer CCN Viewer Download Data



Water CCN Facility Lines | Water CCN Service Areas | Sewer CCN Facility Lines | Sewer CCN Service Areas

CCN NO.	UTILITY	DBA	CCN TYPE	STATUS

No data found

Total: 0 | Selection: 0

GENERAL DESCRIPTION OF SYSTEM

DATE: MARCH 2026

EXISTING FACILITIES

Currently the City of Dorchester provides water service to approximately 611 connections with purchased groundwater from the City of Sherman, one (1) City owned groundwater well, one (1) pump station, and one (1) elevated storage tank.

Water Sources: (Maximum Capacity – 658 Connections)
Groundwater Purchased from City of Sherman – 125 GPM – Max. Cap. 208 Conn.
City Owned Groundwater Well – 270 GPM – Max Cap. 450 Conn.

Pressure Maintenance Facilities: (Maximum Capacity – 1,710 Connections)
Pump Station Site – High Service Pump Capacity – 800 GPM – Max. Cap. 1,333 Conn.
Pressure Tanks – One (1) 10,000 Gal. & One (1) 7,000 Gal. – Max Cap. 850 Conn.
Storage Tanks – One (1) 110,000 Gal. & One (1) 32,000 Gal. – Max Cap. 1,710 Conn.
Elevated Storage Tank – One (1) 200,000 Gal. – Max Cap. 2,000 Conn.

Based on the above existing infrastructure, the existing water system is limited to a capacity of 658 connections based on water supply and limited to 1,710 connections based on pressure maintenance. Therefore, the City of Dorchester is currently operating at approximately 93% of its maximum water supply capacity.

Table E			
Retail Customer	**Water Use Category***	**Annual Water Use**	**Treated or Raw**
#526 Rutherford	Residential	602,890	Treated
#843 Tobar	Residential	356,230	Treated
#517 L. Griffin	Residential	306,280	Treated
#339 Riddles	Residential	292,370	Treated
#960 HMD Investments	Residential	159,320	Treated

*For definitions on reccomended customer categorieys for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use

Water Conservation Plan 2026

City of Dorchester

Appendix C

Water Conservation Plan Annual Report
Retail Water Supplier
TWDB Form No. 1969

Water Conservation Plan Annual Report
Retail Water Supplier

Contact Information

Name of Utility: City of Dorchester

Public Water Supply Identification Number (PWS ID): TX0910028

Check all that apply:

- [x] Retail Water Supplier
- [ ] Wholesale Water Supplier
- [ ] Wastewater Treatment Utility

Address: 373 N. MAIN City: DORCHESTER Zip Code: 75459

Email: cityof Telephone Number: 9034765862

Regional Water Planning Group: D

Groundwater Conservation District:

Contact: First Name: Brandi Last Name: Boggs

Title: Compliance

Is this person the designated Conservation Coordinator? ○ Yes ◉ No

Coordinator: First Name: Gary Last Name: Bennett

Title: Water operator

Address: City: Zip Code: 75459

Email: cityofdorchester@yahoo.com Telephone Number: 903-476-5862

Regional Water Planning Group: D

Groundwater Conservation District:

Reporting Period (Calendar year):

Period Begin (mm/yyyy): 01/2025 Period End (mm/yyyy): 12/2025

Our records indicate that your entity:

- [x] Received financial assistance of $500,000 or more from TWDB

☐ Have 3,300 or more retail connections

☐ Have a surface water right with TCEQ

System Data

1. For this reporting period, select the category(s) used to classify customer water usage:

	Retail Customer Water Usage Categories
☑	Residential - Single Family
☑	Residential - Multi-family
☐	Industrial
☐	Commercial
☐	Institutional
☐	Agricultural

Retail Customers Categories*

- Residential Single Family
- Residential Multi-Family
- Industrial
- Commercial
- Institutional
- Agricultural

**Recommended Customer Categories for classifying customer water use. For definitions, refer to Guidance and Methodology on Water Conservation and Water Use.*

2. The number of connections and gallons of retail water by category of usage. This information is auto-populated from the Water Use Survey.

Retail Customer Category	Number of Connections	Gallons Metered
Residential - Single Family	607	33,814,520
Residential - Multi-family	1	587,620
Industrial	0	0
Commercial	3	57,100
Institutional	0	0
Agricultural	0	0
Total Retail Water Metered[1]	611	34,459,240

[1]Residential + Industrial + Commercial + Institutional + Agricultural = Total Retail Water Metered

Water Loss Audit

This information is auto-populated from the water loss audit.

	Total Gallons During the Reporting Period
1. Corrected Input Volume: The volume of treated water input to the distribution system from own production facilities. Same as line 13b of the Water Loss Audit for reporting periods >= 2015. Same as line 14 of the Water Loss Audit for reporting periods <= 2014.	**78,458,659**
2. Corrected Treated Purchased Water Volume: The amount of treated purchased wholesale water transfered into the utility's distribution system from other water suppliers system. Same as line 14b of the Water Loss Audit for reporting periods >= 2015. Same as line 15 of the Water Loss Audit for reporting periods <= 2014.	**8,437**
3. Corrected Treated Wholesale Water Sales Volume: The amount of treated wholesale water transfered out of the utility's distribution system, although it may be in the system for a brief time for conveyance reasons. Same as line 15b of the Water Loss Audit for reporting periods >= 2015. Same as line 16 of the Water Loss Audit for reporting periods <= 2014.	**0**
4. Total System Input Volume: This is the sum of the corrected input volume plus corrected treated purchased water volume minus corrected treated wholesale water sales volume. Same as line 16 of the Water Loss Audit for reporting periods >= 2015. Same as line 17 of the Water Loss Audit for reporting periods <= 2014. Produced + Imported - Exported = Total System Input Volume	**78,467,096**
5. Billed Metered: All retail water sold and metered. Same as line 17 of the Water Loss Audit for reporting periods >= 2015. Same as line 18 of the Water Loss Audit for reporting periods <= 2014.	**34,459,240**
6. Other Authorized Consumption: Water that is authorized for other uses such as back flushing, line flushing, storage tank cleaning, fire department use, municipal government offices or municipal golf courses/parks. This water may be metered or unmetered. Same as lines 18, 19, and 20 of the Water Loss Audit for reporting periods >= 2015. Same as lines 19, 20, and 21 of the Water Loss Audit for reporting periods <= 2014.	**2,694,000**
7. Total Authorized Consumption: All water that has been authorized for use. Same as Line 21 of the Water Loss Audit for reporting periods >= 2015. Same as line 22 of the Water Loss Audit for reporting periods <= 2014. Total Billed and Metered Retail Water + Other Authorized Consumption = Total Authorized Consumption	**37,153,240**
8. Total Apparent Losses: Water that has been consumed but not properly measured or billed (losses due to customer meter inaccuracy, systematic data handling discrepancy and/or unauthorized consumption such as theft). Same as line 27 of the Water Loss Audit for reporting periods >= 2015. Same as line 28 of the Water Loss Audit for reporting periods <= 2014.	**875,546**

9. Total Real Loss: Physical losses from the distribution system prior to reaching the customer destination (losses due to reported breaks and leaks, physical losses from the system or mains and/or storage overflow). Same as line 30 of the Water Loss Audit for reporting periods >= 2015. Same as line 31 of the Water Loss Audit for reporting periods <= 2014.	**40,438,310**
10. Total Water Loss: Apparent + Real = Total Water Loss	**41,313,856**

Programs and Activities

1. What year did your entity adopt or revise their most recent Water Conservation Plan? 2025

2. Using the table below select the Best Management Practices actively administered during this reporting year. If feasible, provide an estimate of the savings in implementing each BMP. Enter 0 if unknown or not calculable. Please enter saved and reused volumes in their appropriate fields. Please note, the amount of water reused does not also equal a saved amount.
Please refer to your Water Conservation Plan to determine the BMPs identified in your plan to help achieve your targets and goals. Are these BMPs being implemented? Are they helping achieve your targets and goals? What BMPs should your entity focus on the next year? This is information you will want to refer to when updating your water conservation plan.

Methods and techniques for determining gallons saved are unique to each utility as they conduct internal cost analyses and long-term financial planning. Texas Best Management Practices can be found at TWDB's Water Conservation Best Management Practices webpage. The TWDB's Municipal Water Conservation Planning Tool and resources may offer guidance on determining and calculating savings for individual BMPs.

Best Management Practice	Check if Implemented	Estimated Gallons Saved	Estimated Gallons Reused
Conservation Analysis and Planning			
Conservation Coordinator	☐		
Cost Effective Analysis	☐		
Water Survey for Single Family and Multi-family Customers	☐		
Customer Characterization	☐		
Financial			
Wholesale Agency Assistance Programs	☐		
Water Conservation Pricing	☐		
System Operations			
Metering New Connections and Retrofitting Existing Connections	☐		
Utility Water Audit and Water Loss	✓	1,000,000	0
Landscaping			
Landscape Irrigation Conservation and Incentives	☐		
Athletic Fields Conservation	☐		
Golf Course Conservation	☐		

Park Conservation			
Residential Landscape Irrigation Evaluation			
Outdoor Watering Schedule			
Education and Public Awareness			
School Education			
Public Information			
Public Outreach and Education			
Partnerships with Nonprofit Organizations			
Rebate, Retrofit, and Incentive Programs			
Conservation Programs for ICI Accounts			
Residential Clothes Washer Incentive Program			
Water Wise Landscape Design and Conversion Programs			
Showerhead, Aerator, and Toilet Flapper Retrofit			
Residential Toilet Replacement Programs			
Custom Conservation Rebates			
Plumbing Assistance for Economically Disadvantaged Customers			
Conservation Technology & Reuse			
New Construction Graywater			
Rainwater Harvesting and Condensate Reuse			
Water Reuse BMP Categories			
Reuse for On-site Irrigation			
Reuse for Plant Washdown			
Reuse for Chlorination/Dechlorination			
Reuse for Industry			
Reuse for Agriculture			
Regulatory and Enforcement			
Prohibition on Wasting Water			
Conservation Ordinance Planning and Development	✓	1,000,000	0
Enforcement of Irrigation Standards			
Retail			
Other			0
Totals		**2,000,000**	**0**

3. Comments or Explanations Regarding Data Entered in the BMP Table.

Last years water loss audit provided us with understanding on how to conserve.

4. For this reporting period, estimate the savings from water conservation activities and programs.

Gallons Saved/Conserved	Gallons Recycled/Reused	Total Volume of Water Saved[1]	Dollar Value of Water Saved[2]
2,000,000	0	2,000,000	

[1]Estimated Gallons Saved + Estimated Gallons Recycled/Reused = Total Volume Saved
[2]Estimated this value by taking into account water savings, the cost of treatment or purchase of water, and deferred capital cost due to conservation.

5. During this reporting period, did your rates or rate structure change? ○ Yes ◉ No

6. Select the type of rate pricing structure used. Check all that apply.

☐	Uniform Rates
☐	Flat Rates
☑	Inclining/Inverted Block Rates
☐	Declining Block Rates
☐	Seasonal Rates
☐	Water Budget Based Rates
☑	Excess Use Rates
☐	Drought Demand Rates
☐	Tailored Rates
☐	Surcharge - usage demand
☐	Surcharge - seasonal
☐	Surcharge - drought
☐	Other

7. For this reporting period, select the public awareness or educational activities used.

Name	Implemented This Year
Brochures Distributed	☐
Messages Provided on Utility Bills	☑
Website	☑
Press Releases	☐
TV Public Service Announcements	☐
Radio Public Service Announcements	☐
Educational School Programs	☐
Displays, Exhibits, and Presentations	☐
Community Events	☐
Social Media campaign - Facebook	☐
Social Media Campaign-X (formerly Twitter)	☐
Social Media campaign - Instagram	☐
Social Media campaign - YouTube	☐
Facility Tours	☐
Other	☐
Total	

8. Program Effectiveness

In your opinion, how would you rank the overall effectiveness of your conservation programs and activities?

Customer Classification	Less Than Effective	Somewhat Effective	Highly Effective	Does Not Apply
Residential Customers	○	◉	○	○
Industrial Customers	○	○	○	◉
Institutional Customers	○	○	○	◉
Commercial Customers	○	◉	○	○
Agricultural Customers	○	○	○	◉

9. What were some of the successes and/or challenges of your utility's conservation efforts?

Unable to locate leaks that caused major losses. - System been more diligent in identifying loss

10. What might your utility do to improve the effectiveness of your water conservation program?

Continue to monitor monthly losses. Being proactive vs reactive.

Water Loss And Drought

1. During this reporting period, how many leaks were repaired in the system or at service connections? 85

2. Select the main cause(s) of water loss in your system.

	Water Loss Causes
☑	Distribution line leaks and breaks
☑	Unauthorized use and theft
☐	Master meter problems
☑	Customer meter problems
☐	Record and data problems
☐	Other

3. For this reporting period, provide the following information on your distribution lines.

Total Length of Main Lines (miles)	Total Length Repaired (feet)	Total Length Replaced (feet)
64	85	0

4. For this reporting period, provide the following information regarding your meters:

Type of Meter	Total Number	Total Tested	Total Repaired	Total Replaced
Production Meters	2	2	0	0
Meters larger than 1 1/2 inches	1	0	0	0
Meters 1 1/2 inches or smaller	610	0	0	0

5. Does your system have automated meter reading? (•) Yes ( ) No

6. During the reporting period, did you implement your Drought Contingency Plan? ( ) Yes (•) No

7. How many days were water use restrictions in effect? 0

8. What stage was implemented?

n/a

9. Did you implement a mandatory level?

n/a

10 Check the reason(s) for implementing your Drought Contingency Plan

.

	Reasons for Implementing Drought Contingency Plan
☐	Water Supply Shortage
☐	High Seasonal Demand
☐	Capacity Issues
☐	Equipment Failure
☐	Impaired Infrastructure
☐	Other

Target and Goals

Total, Residential, and Water Loss in Gallons per Capita per Day (GPCD)

The tables below display your current GPCDs.

Total System Input in Gallons Water Produced + Wholesale Imported - Wholesale Exported	Retail Population[1]	Total GPCD (System Input / Retail Population) / 365
78,467,096	1,742	123

[1]Retail Population is the total permanent population of the service area, including single family, multi-family, and group quarter populations

Residential Use in Gallons (Single Family + Multi-family)	Residential Population[2]	Residential GPCD (Residential Use / Residential Population) / 365
34,402,140	1,742	54

[2]Residential Population is the total residential population of the service area, including only single family and multi-family populations

Total Water Loss in Gallons Apparent + Real = Total Water Loss	Retail Population	Water Loss GPCD[3] (Total Water Loss / Retail Population) / 365
41,313,856	1,742	65

[3]Water Loss GPCD is a conservation planning indicator and target best used in conjunction with Total GPCD and Residential GPCD.

The table below displays the specific and quantified five-year and ten-year goals listed in your current Water Conservation Plan alongside the current GPCD totals.

Achieve Date	Target for Total GPCD	Current Total GPCD	Target for Residential GPCD	Current Residential GPCD	Target for Water Loss GPCD	Current Water Loss GPCD
Five-year Target Date 2030		123		54		65
Ten-year Target Date 2035		123		54		65

Water Conservation Plan 2026

City of Dorchester

Appendix D

Water Conservation Implementation Report

Texas Commission on Environmental Quality

Water Availability Division
MC-160, P.O. Box 13087 Austin, Texas 78711-3087
Telephone (512) 239-4600, FAX (512) 239-2214

WATER CONSERVATION IMPLEMENTATION REPORT FORM AND SUMMARY OF UPDATES/REVISIONS TO WATER CONSERVATION PLAN

(Texas Water Code §11.1271(b) and Title 30 Texas Administrative Code §288.30(1) to (4))

Please note, this form replaces the following forms: TCEQ-20645 (Non-Public Water Suppliers) and TCEQ-20646 (Public Water Suppliers)

This Form is applicable to the following entities:

1. **Water Right Holders of 1,000 acre-feet or more for municipal, industrial, and other non-irrigation uses.**
2. **Water Right Holders of 10,000 acre-feet or more for irrigation uses.**

The above noted entities are required by rule to submit updates to their water conservation plan(s) and water conservation implementation report(s) every five years beginning May 1, 2009. See 30 Texas Administrative Code (TAC) §288.30(1) to (4). Entities must also submit any revisions to their water conservation plan within 90 days of adoption when the plans are revised in between the five-year submittal deadlines. This form may be used for the five-year submittal or when revisions are made to the water conservation plans in the interim periods between five-year submittals. Please complete the form as directed below.

1. Water Right Holder Name:_____

2. Water Right Permit or Certificate Nos._____

_____

3. Please Indicate by placing an 'X' next to all that Apply to your Entity:

Water Right Holder of 1,000 acre-feet or more for non-irrigation uses

- ☐ Municipal Water Use by Public Water Supplier
- ☐ Wholesale Public Water Supplier
- ☐ Industrial Use
- ☐ Mining Use
- ☐ Agriculture Non-Irrigation

Water Right Holder of 10,000 acre-feet or more for irrigation uses

- ☐ Individually-Operated Irrigation System
- ☐ Agricultural Water Suppliers Providing Water to More Than One User

Water Conservation Implementation Reports/Annual Reports

4. Water Conservation Annual Reports for the previous five years were submitted to the Texas Water Development Board (TWDB) for each of the uses indicated above as required by 30 TAC §288.30(10)(C)? Yes☐ No☐

Water Conservation Plans

5. For the five-year submittal (or for revisions between the five-year submittals), attach your updated or revised Water Conservation Plan for each of the uses indicated in Section 3, above. Every updated or revised water conservation plan submitted must contain each of the minimum requirements found in the TCEQ rules and must be duly adopted by the entity submitting the water conservation plan. Please include evidence that each water conservation plan submitted has been adopted.

   - Rules on minimum requirements for Water Conservation Plans can be found in 30 TAC Chapter 288. http://texreg.sos.state.tx.us/public/readtac%24ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=288
   - Forms which include the minimum requirements and other useful information are also available to assist you. Visit the TCEQ webpage for Water Conservation Plans and Reports. https://www.tceq.texas.gov/permitting/water_rights/wr_technical-resources/conserve.html

*Call **512-239-4600** or email to **wcp@tceq.texas.gov** for assistance with the requirements for your water conservation plan(s) and report(s).*

6. For each Water Conservation Plan submitted, list dates and descriptions of the conservation measures implemented, and the actual amount of water saved.

7. For each Water Conservation Plan submitted, state whether the five and ten-year targets for water savings and water loss were met in your *previous* water conservation plan.
   Yes ☐ No ☐
   If the targets were not met, please provide an explanation as to why any of the targets were not met, including any progress on that particular target.

8. For each five-year submittal, does each water conservation plan submitted contain *updated* five and ten-year targets for water savings and water loss?
Yes ☐ No ☐

If yes, please identify where in the water conservation plan the updated targets are located (page, section).

9. In the box below (or in an attachment titled "Summary of Updates or Revisions to Water Conservation Plans), please identify any other revisions/updates made to each water conservation plan that is being updated or revised. Please specify the water conservation plan being updated and the location within the plan of the newly adopted updates or revisions.

10. *Form Completed by (Point of Contact):* _____
(If different than name listed above, owner and contact may be different individual(s)/entities)
Contact Person Title/Position: _____
Contact Address: _____
Contact Phone Number: _____
Contact Email Address: _____

Signature: _____ Date: _____

Water Conservation Plan 2026

City of Dorchester

Appendix E

City Ordinance

Ordinance No. 2605

AN ORDINANCE ADOPTING A WATER CONSERVATION PLAN FOR THE CITY OF DORCHESTER, TEXAS TO PROMOTE THE RESPONSIBLE USE OF WATER

WHEREAS, the City of Dorchester, Texas ("City")recognizes that the amount of water available to its water customers is limited; and

WHEREAS, the City recognized that due to natural limitations, drought conditions, system failures, and other acts of God that may occur, the City cannot guarantee an uninterrupted water supply for all purposes at all times; and

WHEREAS, the City has applied for funding through the Texas Water Development Board; and

WHEREAS, The Texas Water Development Board requires entities obtaining funding in the amount of Five hundred thousand dollars ($500,000) and greater adopt a Water Conservation Plan; and

WHEREAS, the City has determined it is in the best interest of the public to adopt a Water Conservation Plan: and

WHEREAS, pursuant to Chapter 54 of the Local Government Code, the City is authorized to adopt such policies necessary to preserve and conserve its water resources; and

WHEREAS, the City Council of the City of Dorchester, Texas desires to adopt the attached Water Conservation Plan as official City policy for the conservation of water.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF DORCHESTER, TEXAS THAT:

SECTION 1: The City Council hereby approves and adopts the Water Conservation Plan, attached hereto as Appendix A, as if recited verbatim herein. The City commits to implement the requirements and procedures set forth in the adopted Plan.

SECTION 2: The City Council does hereby find and declare that sufficient written notice of the date, hour, place and subject of the meeting adopting this Ordinance was posted on website and at a designated place convenient to the public for the time required by law preceding the meeting, that such place of posting was readily accessible at all times to the general public, and that all the foregoing was done as required by law at all times during which this Ordinance and the subject matter thereof has been discussed, considered and formally

acted upon. The City Council further ratifies, approves and confirms such written notice and the posting thereof.

SECTION 3: Should any paragraph, sentence, clause, phrase or word of this Ordinance be declared unconstitutional or invalid for any reason, the remainer of this Ordinance shall not be affected.

SECTION 4: The City Secretary is hereby authorized and directed to cause publication of the descriptive caption of this Ordinance as an alternative method of publication provided by law.

PASSED AND APPROVED by the City Council on this the 6th day of April, 2026.

David Smith, Mayor

Attest:

Becky Vincent
City Secretary
City of Dorchester, Texas

AFFIDAVIT OF PUBLICATION

Herald Democrat
PO Box 1128, Sherman, TX 75091
(903) 893-8181

State of Florida, County of Orange, ss:

I, Anjana Bhadoriya, of lawful age, being duly sworn upon oath depose and say that I am an agent of Column Software, PBC, duly appointed and authorized agent of the Publisher of Herald Democrat, the paper complies with Subchapter C, Chapter 2051 of the Texas Government Code, a publication that is a "legal newspaper" as that phrase is defined for the city of Sherman, for the County of Grayson, in the state of Texas, that this affidavit is Page 1 of 1 with the full text of the sworn-to notice set forth on the pages that follow, and that the attachment hereto contains the correct copy of what was published in said legal newspaper in consecutive issues on the following dates.

Publication Dates:
- Apr 30, 2026

Notice ID: 7kZ0Sprjb18Kkl6kCLIV
Notice Name: Notice

Publication Fee: $6.48

Anjana Bhadoriya

Agent

VERIFICATION

State of Florida
County of Orange

JESSICA GORDON-THOMPSON
Notary Public - State of Florida
Commission # HH301656
Expires on August 17, 2026

Signed or attested before me on this: 05/01/2026

Notary Public
Notarized remotely online using communication technology via Proof.

Ordinance 2605
An Ordinance adopting a Water Conservation Plan for the City of Dorchester, Texas to promote the responsible us of water. Published in the Herald Democrat April 30, 2026.
4510370

Water Conservation Plan 2026

City of Dorchester

Appendix F

Letter to Chair of the Region C
Water Planning Group

City of Dorchester
373 Main St.
Dorchester, Tx 75459

April 28, 2026

Region C Water Planning Group
North Texas Municipal Water District
P O Box 2408
Wylie, Tx 75098-2408

Re: Water Conservation Plan

Dear Sir or Madam:

Enclosed please find a copy of the Water Conservation Plan for the City of Dorchester. The Council members of the City of Dorchester approved this Plan at their April 2026 meeting. This copy is being submitted in accordance with the Texas Water Development Board and the Texas Commission on Environmental Quality rules.

Sincerely,

David Smith
Mayor