

**ORDINANCE NO. 2024-24**

**AN ORDINANCE OF THE CITY OF CELINA, TEXAS, AMENDING THE CODE OF ORDINANCES AT CHAPTER 13, “UTILITIES,” ARTICLE 13.04 “WATER CONSERVATION AND DROUGHT RESPONSE,” AND UPDATING THE CITY’S DROUGHT CONTINGENCY AND WATER CONSERVATION REGULATIONS BY ADOPTING THE CITY’S 2024 *DROUGHT CONTINGENCY PLAN* AND ADOPTING THE CITY’S 2024 *WATER CONSERVATION PLAN*; PROVIDING FOR THE INCORPORATION OF PREMISES; PROVIDING FOR FINDINGS; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A SAVINGS/REPEALING CLAUSE; PROVIDING FOR A PENALTY; AND DETERMINING THE MEETING AT WHICH THIS ORDINANCE IS ADOPTED TO BE OPEN TO THE PUBLIC AS REQUIRED BY LAW; PROVIDING FOR ENGROSSMENT AND ENROLLMENT; AND PROVIDING FOR PUBLICATION AND AN EFFECTIVE DATE.**

**WHEREAS**, the City of Celina, Texas (“City”) is a home rule municipality located in Collin and Denton Counties, Texas, created in accordance with the provisions of the Texas Local Government Code and operating pursuant to enabling legislation of the State of Texas; and

**WHEREAS**, Texas Local Government Code, Section 51.001(1) provides that the governing body of a municipality may adopt, publish, amend, or repeal an ordinance, rule, or police regulation that is for the good government, peace, or order of the municipality or for the trade and commerce of the municipality; and

**WHEREAS**, the City Council of the City (“City Council”) adopted Chapter 13, “Utilities,” of the City of Celina Code of Ordinances, and has determined that Article 13.04 should be amended to update regulations for the City’s drought contingency and water conservation plans, respectively; and

**WHEREAS**, on April 19, 2005 the City passed Ordinance No. 2005-18, known as the *Water Conservation and Emergency Water Demand Management Plan*, and also on April 19, 2005 the City passed Ordinance No. 2005-19, known as the Landscape Water Management Regulations Ordinance to be added to the *Water Conservation and Emergency Water Demand Management Plan*, and on August 13, 2009 the City also passed Ordinance No. 2009-05, known as the *Water Conservation and Emergency Water Demand Management Plan*; and

**WHEREAS**, the City desires to repeal Ordinance Nos. 2005-18, 2005-19, and 2009-05, and any other ordinances, policies, regulations, or resolutions governing water conservation, and adopt this newly updated Ordinance implementing a *Water Conservation Plan* in the City of Celina, Texas; and

**WHEREAS**, on April 19, 2005 the City passed Ordinance No. 2005-20, known as the *Drought Control Ordinance*, and on August 13, 2009 the City passed Ordinance No. 2009-06, known as the *Drought Contingency Regulations*, and on August 9, 2016 the City passed Ordinance No. 2016-57, known as the *Drought Contingency Plan*, in order to protect and guarantee an adequate water supply for the safety of the citizens of the City of Celina, Texas; and

**WHEREAS**, the City desires to repeal Ordinance Nos. 2005-20, 2009-06, and 2016-57, and any other ordinances, policies, regulations, or resolutions governing drought contingency, and adopt this newly updated Ordinance implementing a Drought Contingency Plan in the City of Celina, Texas; and

**WHEREAS**, under Texas Water Code Chapter 11 and Title 30 Texas Administrative Code Chapter 288, the City is required to review and update its water conservation and drought contingency plans every five (5) years; and

**WHEREAS**, after due deliberations and consideration, the City Council has concluded that the adoption of this Ordinance is in the best interests of the City of Celina, and the public health, safety, and welfare of its citizens.

**NOW, THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CELINA, TEXAS:**

#### **SECTION 1**

##### **INCORPORATION OF PREMISES**

The above and foregoing premises are true and correct and are incorporated herein and made a part hereof for all purposes.

#### **SECTION 2**

##### **ADOPTION OF WATER CONSERVATION PLAN**

The City Council hereby adopts the City of Celina 2024 Water Conservation Plan (“*Water Conservation Plan*”), attached hereto as Exhibit A, and incorporated herein by reference as if set forth in full. A copy of the plan shall be kept on file in the office of the city clerk.

#### **SECTION 3**

##### **ADOPTION OF DROUGHT CONTINGENCY PLAN**

The City Council hereby adopts the City of Celina 2024 Drought Contingency Plan (“*Drought Contingency Plan*”), attached hereto as Exhibit B, and incorporated herein by reference as if set forth in full. A copy of the plan shall be kept on file in the office of the city clerk.

#### **SECTION 4**

##### **AMENDMENT OF ARTICLE 13.04**

- A. Chapter 13 “Utilities”, Article 13.04, “Water Conservation and Drought Response”, Division 2 “Water Conservation and Emergency Water Demand Management” of the City’s Code of Ordinances is hereby amended to read entirely as provided in the Water Conservation Plan, attached hereto as Exhibit A.

- B. Chapter 13 “Utilities”, Article 13.04, “Water Conservation and Drought Response”, Division 3 “Drought Contingency Plan” of the City’s Code of Ordinances is hereby amended to read entirely as provided in the Drought Contingency Plan, attached hereto as Exhibit B.

**SECTION 5**  
**SEVERABILITY**

Should any section, subsection, sentence, clause, or phrase of this Ordinance be declared unconstitutional or invalid by a court of competent jurisdiction, it is expressly provided that any and all remaining portions of this Ordinance shall remain in full force and effect. The City hereby declares that it would have passed this Ordinance, and each section, subsection, sentence, clause, or phrase thereof irrespective of the fact that any one or more sections, subsections, sentences, clauses, and phrases be declared unconstitutional or invalid.

**SECTION 6**  
**SAVINGS/REPEALING CLAUSE**

All provisions of any ordinance, policy, resolution, action of the City Council, or other regulation adopted by the City, including ordinances 2005-18, 2005-19, 2005-20, 2009-05, 2009-06, and 2016-57, in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution for violation of the repealed ordinance or other regulation, nor shall the repeal prevent a prosecution from being commenced for any violation if occurring prior to the repeal of the ordinance or other regulation. Any remaining portions of said ordinances or regulations shall remain in full force and effect.

**SECTION 7**  
**PENALTY**

Any person violating any of the provisions of this Ordinance, or the plans adopted by this Ordinance shall be deemed guilty of a misdemeanor and, upon conviction shall be punished by a fine in accordance with the general penalty provision in Section 1.01.009 of the City of Celina Code of Ordinances, and as otherwise provided in the *Water Conservation Plan* and *Drought Contingency Plan*. Failing to comply with the provisions of the plans shall be subject to a fine not to exceed the sum of two thousand dollars (\$2,000.00) and/or discontinuance of water service by the City. Proof of a culpable mental state is not required for a conviction of an offense under this section when the fine imposed does not exceed \$500. When the fine exceeds \$500, proof of culpable mental state is required for a conviction of an offense under this section. Each day a customer fails to comply with the plan is a separate violation. The penal provisions imposed under this Ordinance shall not preclude the City from filing suit to enjoin any violation. The City retains all legal rights and remedies available to it pursuant to local, state, and federal law.

**SECTION 8**  
**OPEN MEETING**

That it is hereby found and determined that the meeting at which this Ordinance was passed was open to the public as required by law, and that public notice of the time, place, and purpose of said meeting was given, all as required by the Texas Open Meetings Act.

**SECTION 9**  
**ENGROSSMENT AND ENROLLMENT**

The City Secretary of the City of Celina is hereby directed to engross and enroll this Ordinance by copying the descriptive Caption in the minutes of the City Council and by filing this Ordinance in the ordinance records of the City.


**SECTION 10**  
**PUBLICATION**

The City Secretary of the City of Celina is hereby directed to publish the Caption, and Effective Date of this Ordinance as required by Section 52.013 of the Texas Local Government Code.


**SECTION 11**  
**EFFECTIVE DATE**

This Ordinance shall take effect immediately upon and after its passage and publication as provided by law.

**DULY PASSED AND APPROVED** by the City Council of the City of Celina, Texas this 14<sup>th</sup> day of May 2024, at which a quorum was present.

  
\_\_\_\_\_  
Ryan Tubbs, Mayor

**ATTEST:**

  
\_\_\_\_\_  
Lauren Vaughns, City Secretary



**Exhibit A**  
**2024 Water Conservation Plan**



Life Connected.

**WATER CONSERVATION PLAN**

**CITY OF CELINA**

**TCEQ PWS ID# 0430004**

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**May 14, 2024**

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## 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. Additional supplies to meet higher demands will be expensive and difficult to develop. Therefore, it is important that we make efficient use of existing supplies - - to minimize the need for new resources.

Effective water conservation can postpone or reduce the need for development of new water supplies, minimize the associated environmental impacts and reduce the high cost of water supply development. Even with robust conservation measures, new sources of water will be needed; conservation alone is not enough. To respond to the growing population of this region, the planning for new water resources must continue. The City of Celina considers water conservation (including reuse of reclaimed wastewater) an integral part of this planning process and water supply development process.

Recognizing the need for efficient use of existing water supplies, the Texas Commission on Environmental Quality (“TCEQ”) has promulgated guidelines and requirements governing the development of water conservation plans for Public Water Suppliers. The City of Celina developed its original plans for water conservation and drought contingency in April 13, 2009, later amended in 2014, and 2019. This update of the Water Conservation Plan (the “Plan”) has been coordinated with the suggested model water conservation plan prepared by Upper Trinity Regional Water District (“UTRWD”) for its Members and Customers, such as the City of Celina; and is consistent with the latest TCEQ requirements outlined below.

Water is a basic tenant in all aspects of sustainability. Water conservation is one critical element of a water supplier’s effort to meet future water supply needs, in an economical manner and without sacrificing quality of life standards. The following are the central objectives of this Plan:

- Reduce water consumption from levels that would prevail without conservation efforts;
- Reduce the loss and waste of water, as evidenced by per capita use;
- Provide support and incentives to retail customers to maintain and continue sound conservation practices;
- Continue to improve efficiency in the use of water and
- Extend the adequacy of current water supplies by reducing the pace of growth in the annual demand for water.

### 1. Texas Commission on Environmental Quality Rules

TCEQ rules governing the development of water conservation plans for Public Water Suppliers, such as City of Celina, are contained in Title 30, Part 1, Chapter 288, Subchapter A and Rule 288.2 of the Texas Administrative Code (“TAC”). A copy of these rules is included in Appendix A. The rules define a water conservation plan 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.”

New rules amending 30 TAC Chapter 288 were approved by TCEQ commissioners on November 14, 2012 and made effective on December 6, 2012. The following is a summary of the key changes:

- A utility profile must be prepared in accordance with the Texas Water Use Methodology; water use data must include total gallons per capita per day (GPCD) **and** residential GPCD;
- All Public Water Suppliers must classify water sales and uses into the most detailed level of water use data currently available to the record management system (e.g., (i) residential (single family and multi-family), (ii) commercial, (iii) institutional, (iv) industrial, (v) agricultural and (vi) wholesale);
- Five-year and ten-year targets for water savings must include goals for municipal use in total GPCD **and** residential GPCD and
- The term “unaccounted-for uses of water” is replaced with “water loss.”

### 1.1 Minimum Water Conservation Plan Requirements

The minimum requirements for water conservation plans for municipal uses by Public Water Suppliers required by TCEQ are summarized below.

- *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 GPCD and residential GPCD), water supply system data and wastewater system data. (Section 2)
- *Record Management System:* 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 following sectors: (i) residential (single family and multi-family), (ii) commercial, (iii) institutional, (iv) industrial, (v) agricultural and (vi) wholesale). (Section 3)
- *Goals:* 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 are not enforceable under this subparagraph. (Section 4)
- *Accurate Metering Devices:* Metering devices have an accuracy of plus or minus five percent (5%) for measuring water diverted from the source of supply. (Section 5.1)
- *Universal Metering, Testing, Repair and Replacement:* A program for universal metering of both customer and public uses of water, for meter testing and repair and for periodic meter replacement. (Section 5.2)
- *Determination and Control of Water Loss:* Specific measures to determine and control water loss. The measures may include periodic visual inspections along distribution pipelines, periodic audits of the water system for illegal connections or abandoned services. (Section 5.3)
- *Continuing Public Education Program:* A continuing public education and information program regarding water conservation is required as part of the Plan. (Section 5.4)
- *Non-Promotional Water Rate Structure:* A water rate structure that is not “promotional,” that is, rates that discourage waste and excessive use of water such as increasing block rate instead of volume discounts. (Section 5.5)

- *Landscape Water Management Strategy:* Implementing and achieving the efficient use and stewardship of water in landscape irrigation, including watering a maximum of two times per day and time-of-day watering provisions. It is an optional strategy within the TCEQ regulations.
- *Reservoir Systems Operational Plan:* If applicable, providing for the coordinated operation of reservoirs owned by the water supply entity within a common watershed or river basin in order to optimize available water supplies. (Section 5.7)
- *Means of Implementation and Enforcement:* The regulations require a strategy for implementing and enforcing the provisions of this Plan, as evidenced by an ordinance, resolution or tariff, and a description of the authority by which the Plan is enforced. (Section 8)
- *Coordination with Regional Water Planning Group:* Document that the Plan has been coordinated with the Regional Water Planning Group to ensure consistency with the appropriate approved regional water plan. (Section 9)

## 1.2 Additional Requirements for Larger Public Water Suppliers

Water conservation plans for municipal uses by Public Drinking Water Suppliers serving a population of 5,000 or more and/or a projected population of 5,000 or more within the 10 years subsequent to the effective date of this Plan must include the elements summarized below.

- *Program of Leak Detection, Repair and Water Loss Accounting:* A program of leak detection, repair and water loss accounting for the water transmission, delivery and distribution system in order to control for water loss. (Section 6.1)
- *Wholesale Customer Requirements:* If applicable, a requirement in every wholesale water supply contract entered into or renewed after official adoption of the water conservation plan, 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 Title 30 TAC Chapter 288. (Section 6.2)

## 1.3 Enhanced Water Conservation Program Strategies

TCEQ rules identify the following strategies as optional, if they are necessary to achieve the stated water conservation goals of the Plan.

- Conservation-oriented water rates and water rate structures (Section 5.5);
- 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 (Section 7.1);
- A program for the replacement or retrofit of water-conserving plumbing fixtures in existing structures;
- Reuse and/or recycling of wastewater and/or gray water, where feasible and appropriate (Section 7.2);

- A program for pressure control and/or reduction in the distribution system and/or for customer connections (Section 7.3);
- A method for monitoring the effectiveness and efficiency of the Plan (Section 7.4 and Section 10) and
- Any other water conservation practice, method or technique which the Public Water Supplier shows to be appropriate for achieving the stated goal or goals of the water conservation plan (Section 7.5 – 7.10).
- Irrigation System Evaluations / Technical Assistance: A program to provide irrigation system evaluations and technical assistance to Customers.

This Plan sets forth a program of long-term measures under which the City of Celina can improve the overall efficiency of water use and conserve its water resources. Short-term measures that respond to specific water management conditions (i.e., periods of drought, unusually high water demands, unforeseen equipment or system failure or contamination of a water supply source) are provided in the City of Celina’s Drought Contingency Plan.

## **2. Water Conservation Plan**

### **2.1 Water Utility Profile**

Appendix A to this Plan provides the utility profile as recommended by TCEQ. The utility profile must be in accordance with the Texas Water Use Methodology developed by the Texas Water Development Board (“TWDB”) and TCEQ to include information regarding population and customer data, water use data, water supply system data (including total GPCD and residential GPCD) and wastewater system data. A copy of the utility profile for the City of Celina will also be provided to UTRWD.

### **2.2 Record Management System**

The City of Celina’s current record management system is able to classify water use data into the following sectors: residential (single family and multi-family), commercial, institutional, agricultural and industrial.

### **2.3 Water Conservation Planning Goals**

TCEQ rules require the adoption of specific water conservation goals as part of the Plan. The City of Celina has developed 5-year and 10-year target water saving goals (see Section 2.4 below) for municipal use in total GPCD and residential GPCD. Specific water conservation strategies are discussed in the subsequent sections of this Plan. The goals of this Plan include the following:

- Maintain accurate supply source metering to measure and account for the amount of water diverted from the source of supply;
- Maintain a program of universal metering, meter replacement and repair and periodic meter replacement;
- Maintain the level of water loss in City of Celina’s water system below 15% annually;

- Raise public awareness of water conservation and encourage responsible public behavior through a coordinated public education and information program;
- Continue to implement a water rate structure to encourage water conservation;
- Implement and enforce the Plan by officially adopting the Plan through an ordinance / resolution / tariff, describing the authority by which the City of Celina will implement and enforce the Plan and documenting coordination with the Region C Water Planning Group;
- Maintain a program of leak detection and repair;
- Decrease waste in lawn irrigation by implementing and enforcing landscape water management regulations.

2.4 Table

**Municipal Per Capita Target Water Saving Goals**

	Historic 5-yr Average	5-yr Goal	10-yr Goal
Total GPCD	115.36	140	135
Residential GPCD	76.418	83	77
Water Loss GPCD	11.64	23	20
Water Loss (%)	10.15	15	14

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

2.5 Basic Water Conservation Strategies

This section outlines the City of Celina’s basic water conservation program strategies that are planned to be implemented to achieve or exceed the stated water conservation goals above.

2.6 Accurate Supply Source Metering

City of Celina uses the following source(s) of water: treated surface water supplied by UTRWD. City of Celina meters all water delivered into the distribution system.

For surface water, UTRWD measures all water delivered to City of Celina using meters with an accuracy of plus or minus two percent (2%) in accordance with American Water Works Association (“AWWA”) standards. Said meters are calibrated annually in accordance with AWWA standards. When necessary, UTRWD repairs or replaces meters not conforming to an accuracy of plus or minus two percent (2%).

## 2.7 Universal Metering, Meter Testing and Repair and Periodic Meter Replacement

Water usage for all customers of the City of Celina, including public and governmental users, is metered.

The City of Celina will continue to implement its meter testing and calibration program of its service connections to identify any water loss and to determine if the meter readings are outside the acceptable range according to American Water Works Association M6 standards.

Meters registering any unusual or questionable readings are tested for accuracy. Inaccurate meters are repaired or replaced as needed. The City of Celina replaces meters at 10–15-year intervals depending on meter size. Repair or replacement of larger general service meters is generally provided at 5–10-year intervals.

The City of Celina understands the benefits of Advanced Metering Infrastructure (AMI), including greater customer service opportunities and alerting retail customers of potential leaks. Utilizing the AMI system assists the city with maintaining the water loss calculations.

## 2.8 Determination and Control of Water Loss

Water loss is the difference between the amount of water produced or received and the amount delivered to retail, public and governmental users - - plus authorized but unmetered uses. Water loss can include several categories:

- Inaccuracies in retail meters;
- Accounts which are being used but have not yet been added to the billing system;
- Losses due to water main breaks and leaks in the water distribution system;
- Losses due to illegal connections and theft and
- Unmetered uses such as firefighting, flushing water mains and water for public buildings and water treatment plants.

Measures to control water loss are part of the routine operations of the City of Celina. Field crews and other personnel are expected to look for and report evidence of leaks in the water distribution system. Personnel are trained to watch for and report signs of illegal connections so they can be quickly addressed. Field crews use leak detection equipment routinely to identify unreported leaks throughout the water distribution system.

Water loss is calculated in accordance with the water utility profile in Appendix B. With the measures described in this Plan, the goal for the City of Celina is to maintain its water loss below fifteen percent (15%) annually. If water loss exceeds this goal, City of Celina will complete an audit of its water distribution system to determine the source(s) of and reduce the water loss.

According to the Texas Water Code Section 16.0121, all retail public water suppliers are required to submit a water loss audit once every five years. Retail public water suppliers with either an active financial obligation with the TWDB or having more than 3,300 connections must submit a water loss audit every

year. The City of Celina will complete the water loss audit every five years as required, and will be the primary tool that will be used to monitor water loss.

## 2.9 Continuing Public Education and Information Program

The ultimate success of any water conservation program depends on an informed public. Individual retail customers must have an awareness of the benefits and needs for water conservation. They must also have knowledge of how to contribute to the success of the Plan. City of Celina's public education and information program, including dedicated staff for this program, is designed to provide information to as many retail customers as possible. The City of Celina works in collaboration with UTRWD to provide this information. The City of Celina will promote its water conservation strategies including but not limited to as outlined in this Plan as well as the measures and activities discussed below.

- **Informative School Program.** Provide water conservation information to area schools. This may consist of providing literature and coloring books, classroom presentations, demonstrations, etc. Staff may also coordinate with local schools to have Upper Trinity staff make presentations and demonstrations about water conservation and watershed protection, including an EnviroScape watershed model, rainfall simulator, stream erosion trailer, etc.
- **Literature Program.** Include water conservation information with water bills monthly as well as make information available to the public at utility offices or other public places. Information may include material developed by the City of Celina's staff using material obtained from UTRWD, AgriLife Water University, TWDB, TCEQ and other sources that pertain to water conservation in general and specific to landscape irrigation conservation.
- **Special Events and Promotions.** Make available promotional / educational items at special events focusing on water conservation in the landscape, home and business. Items may include Texas SmartScape® bookmarks, water bottles, toilet-leak test kits, water conservation coloring books, etc.
- **Website.** Make information on water conservation available on the City of Celina's website and include links to sites with good information about water conservation, such as to Texas SmartScape, AgriLife Water University, TWDB and TCEQ.
- **Speaking Engagements.** Notify local organizations, schools and civic groups that the City of Celina's staff, and staff of UTRWD, are available to make presentations on the importance of water conservation and the best ways to save water.

As a demonstration project, UTRWD maintains a water conservation garden to showcase the beauty and practicality of a water-conserving landscape. The conservation garden includes over 100 varieties of plants that are either native to North Texas or well adapted to the area, and is available for use by the City of Celina, garden clubs, developers or other civic groups who desire to advance their knowledge and use of water conservation practices in home and business landscapes.

## 2.10 Non-Promotional Water Rate Structure

The City of Celina has adopted an increasing block water rate structure that is intended to encourage water conservation and discourage waste and excessive use of water. The current water rates can be viewed on the city's website. <https://www.celina-tx.gov/1197/City-Water-Rates>.



### 3. Landscape Water Management Program/Ordinances

The City of Celina seeks to promote the efficient use and stewardship of water and to help UTRWD provide a consistent message throughout its service area. The City of Celina has implemented the following landscape water management strategies:

- *Watering Maximum of Two Days per Week.* Limit outdoor watering (automatic systems or hose-end sprinklers) to no more than two (2) days per week. Watering with hand-held hoses, soaker hoses or drip irrigation is allowed any time.

#### Twice Per Week Watering Schedule

Last Digit of Address	Allowed Landscape Watering Days
1, 3, 5, 7, 9	Saturday and Wednesday
0, 2, 4, 6, 8	Sunday and Thursday
Commercial and Industrial	Tuesday and Friday

- *Water Waste.* Prohibit the design, installation, and operation of irrigation systems that spray directly onto impervious surfaces such as sidewalks and roads or onto other non-irrigated areas. Require well maintained automatic irrigation systems to avoid waste of water, such as repairing broken sprinkler heads, or leaking or broken valves or pipes. Prohibit outdoor watering during any form of precipitation and during freezing temperatures, and overwatering resulting in water runoff of 50 feet or more from the property.
- *Time of Day Watering.* No outdoor watering with automatic irrigation systems or hose-end sprinklers from 10:00 am to 6:00 pm any day of the year. Watering with hand-held hoses, soaker hoses, or drip irrigation systems is allowed anytime.

These strategies are intended to be actively promoted by the City of Celina through public information programs for compliance by its customers. These strategies become mandatory and enforceable under the Drought and Emergency Response Stages 1 through 3.

#### Automatic Irrigation System Requirements:

- *Require all new irrigation systems include rain and freeze sensors;*
- *Require all new irrigation systems be in compliance with state design and installation standards (TAC Title 30, Part 1, Chapter 344);*
- *Prohibit the operation of irrigation systems that spray directly onto impervious surfaces such as sidewalks and roads or onto other non-irrigated areas;*



- *Require well maintained automatic irrigation systems to avoid waste of water, such as repairing broken sprinkler heads, or leaking or broken valves or pipes;*
- *Prohibit outdoor watering during any form of precipitation and during freezing temperatures and;*
- *Enforce strategies by a system of warnings followed by fines for continued or repeat violations.*

In addition, the City of Celina and UTRWD have implemented the ‘Water My Yard’ outdoor watering management program to the City of Celina’s area. The ‘Water My Yard’ website, WaterMyYard.org, allows residents to receive weekly lawn watering recommendations, which are given in minutes. Recommendations are based on data from three weather stations that UTRWD maintains, as well as the landscape’s needs, to prevent unnecessary overwatering. ‘Water My Yard’ is provided at no cost to residents, and the City of Celina will promote ‘Water My Yard’ in utility bills, newsletters and websites as appropriate.

#### **4. Leak Detection, Repair and Water Loss Program**

Most water leaks, illegal connections, abandoned water services or other means of water loss are discovered through the visual observation of field crews and other personnel, or are reported by the public. The City of Celina trains its personnel (e.g., meter readers, maintenance crews, etc.) to look for and report evidence of water leaks in the water distribution system to the appropriate department. Personnel are asked to watch for and report signs of illegal connections and abandoned services. All leaks are repaired as soon as possible, and all illegal connections and abandoned services are investigated as soon as possible in order to maintain a sound water system. Areas of the water distribution system in which numerous leaks and line breaks occur are programmed for replacement, as funds are available.

Specialized, state-of-the-art leak detection equipment is available to utilities in Texas to borrow free of charge from the Conservation Division of the TWDB to reduce water loss by detecting water leaks within the water distribution system.

#### **5. Additional Water Conservation Strategies**

The City of Celina has selected the following additional water conservation strategies, described below, to achieve the water conservation goals of the plan.

##### **5.1 Ordinances, Plumbing Codes or Rules on Water-Conserving Fixtures**

The State of Texas has required water-conserving fixtures in new construction and renovations since 1992, with standards updated in 2010 (Texas Administrative Code, Title 30, Section 290.252). The State’s standards call for flows of no more than 2.2 gallons per minute (gpm) at a pressure of 60 pounds per square inch (psi) for faucets, 2.5 gpm for showerheads at 80 psi, 1.28 gallons per flush for toilets, 0.5 gallons per flush for urinals, and 1.6 gpm for commercial pre-rinse spray valves. Similar standards are now required nationally under federal law. These state and federal standards assure that all new construction and renovations will use water-conserving fixtures. The City of Celina has incorporated these plumbing code standards into its building regulations.

Over the next five (5) years, the City of Celina plans to evaluate the feasibility and merits of an optional rebate program to encourage replacement of older fixtures with water conserving fixtures. A rebate program may include but not limited to one or more of the following concepts:

- High-efficiency toilet replacement and rebate;
- Pressure reduction in the system or for individual customers;
- Rain/freeze sensors for irrigation systems;
- Smart controllers for irrigation systems;
- High-efficiency showerhead and sink aerators replacement;
- High-efficiency clothes washer rebates or
- Other water conservation incentive programs.

#### 5.2 Reuse and Recycling of Wastewater and / or Gray Water

City of Celina cooperates with UTRWD in the promotion of and achieving reuse of treated effluent on a regular basis.

The City of Celina utilizes reuse treated effluent at the Wastewater Treatment Plant for internal washdown. The effluent wash down water is collected and recycled back into the wastewater treatment plant.

#### 5.3 Pressure Control Program

The City of Celina has determined a reasonable system pressure for each of the two pressure zones in its retail distribution system and has installed internal pressure control stations and customer service pressure regulators where needed.

#### 5.4 Means for Measuring Success

The City of Celina will make every effort to measure and quantify water savings achieved through its programs. The water saving results will be used to monitor the effectiveness and efficiency of the City of Celina's water conservation program. The results will also be regularly reported to UTRWD.

#### 5.5 Water Conserving Landscaping

As part of its public education program, the City of Celina encourages its retail customers to incorporate Texas SmartScape® principles into their respective landscapes. Texas Smartscape was developed through the North Central Texas Council of Governments in cooperation with cities, utilities, and other agencies to educate citizens on the ecological, economic and aesthetic benefit of using landscape plants, shrubs, grasses and trees that are native or adapted to the regional climate and local conditions. Using Texas SmartScape principles can be both practical and beautiful, using earth-friendly techniques that conserve water resources and protect water quality.

## 5.6 Watershed Protection

Protecting our watershed is a priority need for every citizen and every community. As a double benefit, strategies that promote water conservation also tend to protect the quality of water resources. Using earth-friendly techniques, such as native and adaptive plant materials and organic techniques for landscaped areas, requires less water and less use of fertilizers, pesticides and other chemicals. Overuse or improper use of fertilizer, pesticides and other chemicals from landscape activities is also a major source of pollutants that find their way into water resources.

The City of Celina is participating in UTRWD's coordinated program for watershed protection aimed at educating the public about protecting local watersheds and water quality. To help communicate the important role that watersheds have in the water supply for this region, UTRWD created a watershed logo and sign for Customers', such as the City of Celina, use. The City of Celina has installed four watershed signs along roadways / waterways as a constant reminder that we need to keep our watersheds clean.

City of Celina has adopted the Denton County Greenbelt Plan and is evaluating various strategies to implement in City of Celina's respective area. City of Celina is also participating on the Coordinating Committee to encourage other municipalities to adopt the Plan as well.

## 5.7 Irrigation System Evaluations / Technical Assistance

To improve water conservation and efficiency in landscape watering practices, The City of Celina, in cooperation with UTRWD, provides technical assistance to retail customers (residential, industrial, commercial, and institutional). The City of Celina has partnered with UTRWD and M & M Irrigation Illumination to provide irrigation system evaluations to retail customers at no cost. During the evaluation, the licensed irrigator may identify potential system leaks, diagnose equipment malfunctions, and recommend equipment upgrades to enhance water efficiency. During the evaluation, education about good landscape watering practices and the use of earth-friendly materials is also shared with the retail customer.

## 5.8 Industrial, Commercial and Institutional (ICI) Audits

The City of Celina, in coordination with UTRWD, offers an outreach program to assist large water users find ways to operate more efficiently, save water and energy and lower their costs. Water savings are realized as the ICI customers implement audit recommendations. In addition to these audits, ICI customers who have implemented said recommendations and have taken proactive steps in using water more wisely and efficiently are publicly recognized.

In 2018, the Denton County Commissioners Court entered into an agreement to make the Property Assessed Clean Energy (PACE) financing program available to non-residential property owners. The PACE program provides low cost, long-term financing for energy and water efficiency upgrades for commercial, industrial, institutional, and multi-family properties. The City of Celina may promote this to ICI customers to encourage water use reduction.

### 5.9 In-House Water Conservation Efforts

The City of Celina has implemented an in-house water conservation program, that includes but is not limited to the below following elements:

- The City of Celina uses native or adapted drought tolerant plants, trees and shrubs in the majority of its landscapes;
- Irrigation at The City of Celina’s facilities occurs during off-peak times at night and early morning to avoid evaporation losses;
- Irrigation is limited to the amount needed to promote survival and health of plants and lawns, including limitation on frequency and time-of-day watering; and
- Irrigation will be avoided on Saturday and Sunday if possible, since these are periods of high water use by the public.

### 5.10 Water Conservation Coordinator

UTRWD has requested each Customer, such as the City of Celina, designate a Water Conservation Coordinator. State law now requires utilities with 3,300 connections or more to designate a Water Conservation Coordinator, according to Section 13.146 of the Texas Water Code. The Conservation Coordinator is responsible for the preparation, implementation and enforcement of the City of Celina’s water conservation and drought contingency plans, as well as the preparation and submittal of annual conservation status reports and implementation of the City of Celina’s conservation program.

## **6. Implementation and Enforcement**

A copy of the City of Celina’s ordinance / resolution indicating official adoption of the water conservation plan is provided in Appendix C. The Water Conservation Coordinator is authorized to implement and enforce the Plan as described in Section 5.10. Such responsibilities may involve:

- Overseeing the execution and administration of all Plan elements;
- Supervising the keeping of records for the program verification and to assess the program effectiveness and
- Making recommendations for changes in the Plan as needed.

## **7. Coordination with Regional Water Planning Group and UTRWD**

The City of Celina has coordinated with the Region C Water Planning Group and UTRWD to ensure consistency with the approved regional water plan and UTRWD’s water conservation plan. The City of Celina sent a copy of the draft ordinance(s) or resolution(s) implementing the Plan and the water utility profile to UTRWD for review and approval. After adoption, The City of Celina sent the final ordinance(s) or resolution(s), the Plan and the adopted water profile to UTRWD. Appendix D includes a copy of the letter sent to the Chair of the Region C Water Planning along with the City of Celina’s Plan.

## **8. Review and Update of Water Conservation Plan and Annual Reports**

As required by TCEQ rules, the City of Celina will review and update this Plan every five (5) years. The Plan will be updated as appropriate based on an assessment of the previous five-year and ten-year targets and any other new or updated information. The next revision of the Plan is due by May 1, 2024. Any revised Plan must be submitted to the TCEQ within 90 days of adoption and include an implementation report as provided in Appendix E. The revised plan must also be submitted to the TWDB within 90 days of adoption.

The City of Celina is also required to submit an annual report. Annual reports are due to TWDB by May 1 of each year to report the City of Celina's progress in implementing its water conservation plan. Said report will be used to monitor the effectiveness and efficiency of the City of Celina's water conservation program. The results of the annual report may also be used to plan conservation-related activities for the following year. The City of Celina will send a copy of the annual report to UTRWD by March 31 of each year. The Water Conservation Coordinator is the responsible party to ensure the required review and updates are completed.

## **9. Current and Future Expansion Projects of the Water Distribution System**

Currently an additional 6 (six) million gallon ground storage tank is pending design that will be located at the Celina Road Pump Station, to meet current and future potable water demands. The ground storage tank will ensure that potable water storage for the City of Celina meets the Texas Administrative Codes pertaining to potable water storage capacities. Along with the projects listed in the City of Celina Capital Improvement Plan.

**APPENDIX A**

**Water Utility Profile  
(insert here)**



**APPENDIX B**

**Landscape Water Management Ordinance  
(insert here)**



**APPENDIX C**

**Letters to Region C Water Planning Group  
and Wholesale Water Supplier**





**APPENDIX D**

**Water Distribution Map  
(insert here)**



**APPENDIX E**

**Certificate of Convenience and Necessity Map  
(insert here)**



**Exhibit B**  
**2024 Drought Contingency Plan**



Life Connected.

**DROUGHT CONTINGENCY PLAN  
PREPARED FOR CITY OF CELINA  
TCEQ PWS ID#0430004**

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May 14, 2024

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## APPENDICES

- A. TCEQ Minimum Requirements of a Drought Contingency Plan – Subchapter B, Rule 288.20
- B. Copy of Ordinance, order or resolution adopted by the City Council or Governing Board Implementing the Drought Contingency Plan
- C. Coordination with Regional Planning Group

## **1. Introduction and Objectives**

The purpose of this Drought Contingency Plan (the “Plan”) is to provide for drought contingency measures for the City of Celina as required by the Texas Commission on Environmental Quality (“TCEQ”) and the Upper Trinity Regional Water District (“UTRWD”). Such contingency measures may be needed during drought conditions, during an emergency and when water use approaches the Regional Treated Water System (“System”) supply or the capacity of treatment and delivery facilities. Examples of drought or emergency conditions include low levels of water supply lakes, unusually high water demands, unforeseen equipment / system failure or contamination of the water supply source.

The City of Celina developed its original plans for drought contingency on April 13, 2009 later amended in 2014 and 2019. This update of the Plan has been coordinated with the suggested model drought contingency plan prepared by UTRWD for its Members and Customers, such as the City of Celina, and is consistent with TCEQ’s model drought contingency plan and the latest requirements outlined below. The provisions and responses outlined in this Plan are intended to be uniformly applied among UTRWD’s Members and Customers.

The City of Celina uses the following source(s) of water: treated surface water supplied by UTRWD. The total combined amount from these sources is normally sufficient to provide water for residential and commercial customers and to maintain adequate reserve quantities and pressure from storage facilities to meet emergency and firefighting demands.

Drought is a frequent and inevitable factor in the climate of Texas. Therefore, it is vital to plan for the effect that droughts will have on the use, allocation and conservation of water in the region. Drought contingency planning is one critical element of a water supplier’s effort to reduce peak water demands and extend water supplies. The following are the central objectives of this Plan:

- Help assure reliability of water service to retail customers;
- Conserve the available water supply in times of drought and emergency;
- Maintain adequate water supplies for domestic use, sanitation and fire protection;
- Protect and preserve public health, welfare and safety;
- Minimize the adverse impacts of water supply shortages and
- Minimize the adverse impacts of emergency conditions affecting water supply.

## 2. Applicable Rules of Texas Commission on Environmental Quality

TCEQ rules governing the development of drought contingency plans for Municipal Uses by Public Water Suppliers, such as the City of Celina, are contained in Title 30, Part 1, Chapter 288, Subchapter B and Rule 288.20 of the Texas Administrative Code (“TAC”). A copy of these rules is included in Appendix A. The rules define a drought contingency plan as:

“A strategy or a combination of strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies.”

### Minimum Drought Contingency Plan Requirements

The minimum requirements contained in the TAC for drought contingency plans are covered in this Plan as follows:

Rule	Subject	Section
288.20(a)(1)(A)	Informing the Public & Providing Opportunity For Input	Section 3
288.20(a)(1)(B)	Provisions for Continuing Public Education & Information	Section 4
288.20(a)(1)(C)	Coordination with the Regional Water Planning Group	Section 10
288.20(a)(1)(D)	Criteria for Initiation Monitoring & Termination of Stages	Section 7
288.20(a)(1)(E)	Drought and Emergency Response Stages	Section 7
288.20(a)(1)(F)	Targets to be Achieved During Drought	Section 7
288.20(a)(1)(G)	Water Supply & Demand Mgmt Measures for Each Stage	Section 7
288.20(a)(1)(H)	Procedures for Initiation & Termination of Drought Stages	Section 7
288.20(a)(1)(I)	Procedures for Granting Variances	Section 8
288.20(a)(1)(J)	Procedures for Enforcement of Mandatory Restrictions	Section 9
288.20(a)(2)	Drought Plans for Privately-Owned Utilities	Section 12
288.20(a)(3)	Consultation with Wholesale Suppliers	Section 7
288.20(b)	Notification of Implementation of Mandatory Measures	Section 7
288.20(c)	Review & Update of Plan	Section 11

Also included in this Plan are statements of authorization (Section 5) and application (Section 6).

## 3. Public Involvement

The City of Celina previously provided opportunity for public input in the development of this Plan by the following means:

- Provided written notice of the draft Plan and the opportunity for the public to comment by newspaper or posted notice prior to adoption;
- Made the draft Plan available on the City of Celina’s website;
- Provided a copy of the draft Plan to anyone requesting a copy and
- Held a public meeting at a time and location convenient to the public and provided written notice to the public concerning the draft Plan and meeting.

## **4. Provisions for Continuing Public Education and Information**

The City of Celina will provide public information about the Plan at least annually, including information about the conditions under which each stage 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 any of the following means:

- Prepare bulletins / newsletters describing the Plan and make said bulletins / newsletters available in utility bills, public facilities or other appropriate places;
- Make the Plan and its requirements available on the City of Celina’s website;
- Include information about this Plan and water conservation on the City of Celina’s website, and as part of its bulletins / newsletters, public service announcements and media reports and
- Notify local organizations, schools and civic groups that the City of Celina staff members are available to make presentations on the Plan (usually in conjunction with presentations on water conservation programs).

When provisions of the Plan are activated or when a drought response stage changes, the City of Celina will notify local media of the relevant issues, the appropriate drought response stage and the specific actions required of the public. The provisions of the Plan are mandatory and therefore, TCEQ shall be notified within five (5) business days. The information will also be publicized on the City of Celina’s website. Billing inserts may also be used as appropriate means of disseminating information to the public.

## **5. Authorization**

The City Manager or official 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, and to comply with applicable regulations or contractual requirements. Except as otherwise provided in the Plan, the City Manager or official designee, shall have the authority to initiate, to enforce and to terminate the measures provided herein for a drought or other water supply emergency. The authority to implement and enforce the Drought Contingency Plan is established in Ordinance No. \_\_\_\_ or Resolution No. \_\_\_\_, as provided in Appendix B.

## **6. Application**

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



## 7. Drought Contingency Plan - - Emergency Response Stages

The City Manager, or official designee, may order the initiation or termination of a drought response stage or water emergency when one or more of the trigger conditions for that stage is met as provided in this Section. The triggering criteria described below are based on the ability of the City of Celina to deliver treated water to its customers and / or the ability of UTRWD to deliver treated water to the City of Celina. Water supply and / or demand conditions are monitored by both the City of Celina and UTRWD on a regular basis to determine when conditions warrant initiation or termination of a drought response stage.

### 7.1 Initiation of Drought Response Stages

The following actions will be taken when a drought response stage is initiated:

- The public will be notified through local media, the City of Celina’s website and other appropriate methods as described in Section 3 above;
- Unless otherwise implemented by UTRWD, the City of Celina will notify UTRWD by telephone with a follow-up letter, e-mail or fax to confirm implementation of any drought response stage and to provide relevant details and
- The City of Celina will also notify the Executive Director of the TCEQ within five (5) business days.

When specific drought response stages are announced by UTRWD, the City of Celina and other entities receiving water from UTRWD are required to implement the appropriate measures. For other trigger conditions not announced by UTRWD, the City Manager or official designee, may implement contingency measures based on local conditions affecting the City of Celina; or for good cause may decide not to order the implementation of a drought response stage or water emergency even though one or more trigger criteria for the stages are met. Various factors are taken into account when making a decision about such stages, including circumstances unique to the City of Celina, the time of the year, weather conditions, the anticipation of replenished water supplies, use of an alternate water resource or the anticipation that additional facilities will become available on a timely basis to meet needs. The reason for such decision will be documented and communicated to UTRWD for the record.

### 7.2 Termination of Drought Response Stages

The following actions will be taken when a drought response stage is terminated:

- The public will be notified through local media, the City of Celina’s website and other appropriate methods as described in Section 3 above;
- UTRWD will be notified by telephone with a follow-up letter, e-mail or fax to confirm the particular drought response stage has been terminated and
- The City of Celina will also notify the Executive Director of the TCEQ within five (5) business days.

The City Manager or official designee may decide not to order the termination of a drought response stage or water emergency even though the conditions for termination of the stage are met. Various factors could influence such a decision about whether to end a specific stage, including circumstances unique to the City

of Celina, the time of the year, weather conditions, and conditions within the local water distribution system or anticipation of other relevant factors that warrant continuation of measures for the drought stage. The reason for such decision will be documented and communicated to UTRWD for the record.

### 7.3 Drought and Emergency Response Stages

#### A. **Stage 1 – Water Watch**

##### Requirements for Initiation

The following are key conditions, any one of which may trigger this stage:

- UTRWD has announced Stage 1 – Water Watch, which may be a result of:
  - The total raw water supply in water supply lakes available to UTRWD has dropped below 75% (25% depleted) during the time period from April 1 to October 31; or
  - The total raw water supply in the water supply lakes available to Upper Trinity has dropped below 80% (20% depleted) during the time period from November 1 to March 31; or
  - Dallas Water Utilities (a source of raw water to UTRWD) has initiated Stage 1 and given notice to UTRWD; or
  - UTRWD, with concurrence of the Board of Directors, finds that conditions warrant the declaration of Stage 1; or
- Water demand has reached or exceeded 80% of delivery capacity for three consecutive days; or
- Water demand is approaching a level that will cause a reduced delivery capacity for all or part of the distribution system, as determined by the City of Celina or
- The water supply system has a significant limitation due to failure of or damage to important water system components.

##### Goal

Stage 1 is intended to raise public awareness of potential drought and water emergency problems. The goal for water use reduction under Stage 1 is five percent (5%) of total daily water use that otherwise would have occurred in the absence of drought contingency measures. If circumstances warrant, the City Manager can set a goal for greater or lesser water use reduction.

##### Water Use Restrictions for Reducing Demand

Under this stage, customers will be requested to conserve water through mandatory and voluntary measures, and to comply with restrictions on certain non-essential water use as provided below. Specific measures to be implemented during the stage will be determined by the City of Celina’s City Manager or official designee. The City Manager or official designee, may also take other actions not listed, if deemed necessary.

- Require reduction of water use through mandatory, maximum two-days-per-week landscape irrigation schedule for automatic irrigation systems and hose-end sprinklers. Irrigation of landscaped areas and building foundations is permitted at any time if it is by means of a hand-held hose, drip irrigation or soaker hose systems.

**Twice Per Week Watering Schedule**

<b>Last Digit of Address</b>	<b>Allowed Landscape Watering Days</b>
1, 3, 5, 7, 9	Saturday and Wednesday
0, 2, 4, 6, 8	Sunday and Thursday
Commercial, Institutional, and Industrial	Tuesday and Friday

- Require reduction of water use through mandatory time-of-day landscape irrigation schedule. No outdoor watering with automatic irrigation systems and hose-end sprinklers can occur from 10:00 a.m. to 6:00 p.m. Irrigation of landscaped areas and building foundations is permitted at any time if it is by means of a hand-held hose, drip irrigation or soaker hose systems.
- A written variance or permit for the establishment of new sod and other landscape plants by all retail customers. Said variance or permit may allow for watering more than two days per week for up to 30 days to establish new plant material. After 30 days, the controller must be reprogrammed to only water no more than two days per week. Watering must be done in a manner that does not result in wasted water.
- Restrict washing of any motor vehicle, motorbike, boat, trailer, airplane or other vehicle to the use of a hand-held bucket or a hand-held hose equipped with a positive shut-off nozzle for quick rinses. Vehicle washing may be done at any time on the immediate premises of a commercial car wash facility or commercial service station. Companies with an automated on-site vehicle washing facility may wash its vehicles at any time.
- Encourage reduction in frequency of draining and refilling swimming pools.
- Encourage customers to avoid waste during recreational use (water used for leisure and entertainment purposes) from faucets, hoses or hydrants.
- Increase public education efforts on ways to reduce water use.
- Review internal operational conditions and capabilities by the City of Celina and intensify efforts on leak detection and repair.

- Be alert to internal non-essential water use by the City of Celina (examples include vehicle washing, operation of ornamental fountains, landscape uses for parks or medians, etc.).

### Termination

Stage 1 may terminate when UTRWD terminates its Stage 1 condition or when the circumstances that caused the initiation of Stage 1 – Water Watch no longer prevail.

## **B. Stage 2 – Water Warning**

### Requirements for Initiation

The following are key conditions, any one of which may trigger this stage:

- UTRWD has initiated Stage 2 – Water Warning, which may be a result of:
  - The total raw water supply in water supply lakes available to UTRWD has dropped below 60% (40% depleted) during the time period from April 1 to October 31; or
  - The total raw water supply in the water supply lakes available to Upper Trinity has dropped below 65% (35% depleted) during the time period from November 1 to March 31; or
  - Dallas Water Utilities has initiated Stage 2 and given notice to UTRWD; or
  - UTRWD, with concurrence of the Board of Directors, finds that conditions warrant the declaration of Stage 2; or
- Water demand has reached or exceeded 85% of delivery capacity for three consecutive days; or
- Water demand has reached a level that is causing a reduced delivery capacity for all or part of the distribution system, as determined by the City of Celina; or
- The water supply system is unable to deliver water at normal rates due to failure of or damage to major water system components or
- A significant deterioration in the quality of a water supply, being affected by a natural or man-made source.

### Goal

The goal for water use reduction under Stage 2 is a ten percent 10% reduction in the use that would otherwise have occurred in the absence of drought contingency measures. If circumstances warrant, the City Manager can set a goal for greater or lesser water use reduction.

### Water Use Restrictions for Reducing Demand

Under this stage, customers will be requested to continue following the mandatory measures to conserve water and to comply with restrictions on certain non-essential water uses as provided below. Specific measures to be implemented during this stage will be determined by the City Manager or official designee. The City Manager or official designee, may also take other actions not listed, if deemed necessary. All

requirements of Stage 1 shall remain in effect during this Stage 2, plus the following incremental or new measures:

- Outdoor irrigation is limited to no more than one day per week and is mandatory under this Water Warning stage for automatic irrigation systems and hose-end sprinklers. This includes irrigation of landscaped areas with automatic irrigation systems and hose-end sprinklers. No outdoor watering with automatic irrigation systems and hose-end sprinklers can occur from 10:00 a.m. to 6:00 p.m. Irrigation of landscaped areas and building foundations is permitted for a maximum of two hours on any day if it is by means of a hand-held hose, drip irrigation or soaker hose systems.

**Once Per Week Watering Schedule  
(For Drought Contingency Plan Stage 2 Water Warning)**

Last Digit of Address	Allowed Landscape Watering Days
1, 3	Monday
0, 2	Tuesday
5, 7	Wednesday
4, 6	Thursday
9	Friday
8	Saturday
Sunday – Commercial, Institutional, & Industrial	

- Prohibit recreational water use (water used for leisure and entertainment purposes) including use of faucets or hoses in such a manner that creates runoff or other wastes.
- Encourage further reduction in draining and filling of swimming pools.
- Prohibit new pool permits. If a permit for a new swimming pool, wading pool, Jacuzzi and hot tub was received prior to implementation of Stage 2, the owner may fill with water no more than one time, if necessary, to prevent structural damage.
- Further accelerate public education efforts on ways to reduce water use.
- Continue intensified leak detection and repair activities by the City of Celina on water pipes and mains.

- Reduce internal water use by the City of Celina, by restricting of no hosing off paved areas, buildings, windows or other hard surfaces and no vehicle washing except on the premises of a commercial car wash.
- The establishment of new sod and other landscaping plants is prohibited for existing landscape.
- Initiate engineering studies to evaluate alternatives to mitigate drought conditions should conditions worsen.
- The City of Celina is restricted to day-of-week and time-of-day landscape watering schedule except for parks and golf courses that utilize non-potable water or groundwater for irrigation.
- Require reduction of water use through day-of-week landscape watering schedule for parks and golf courses.
- Announce enforcement efforts and penalties for noncompliance.
- Enforcement to be primarily based on complaints being received.

#### Termination

Stage 2 may terminate when UTRWD terminates its Stage 2 condition or when the circumstances that caused the initiation of Stage 2 no longer prevail. Upon termination of Stage 2, Stage 1 – Water Watch will remain in effect unless otherwise announced by the City of Celina or UTRWD.

### **C. Stage 3 – Water Emergency**

#### Requirements for Initiation

The following are key conditions, any one of which may trigger Stage 3:

- UTRWD has initiated Stage 3 – Water Emergency, which may be a result of:
  - The total raw water supply in water supply lakes available to UTRWD has dropped below 45% (55% depleted) during the time period from April 1 to October 31; or
  - The total raw water supply in the water supply lakes available to Upper Trinity has dropped below 50% (50% depleted) during the time period from November 1 to March 31; or
  - Dallas Water Utilities has initiated Stage 3 and given notice to UTRWD; or
  - UTRWD, with concurrence of the Board of Directors, finds that conditions warrant the declaration of Stage 3; or

- Water demand has reached or exceeded 90% of delivery capacity for three consecutive days; or
- Water demand exceeds the delivery capacity for all or part of the distribution system, as determined by the City of Celina; or
- Water supply system is unable to deliver water in adequate quantities due to failure of or damage to major water system components; or
- Interruption of one or more water supply source(s).
- Natural or man-made contamination of the water supply source that threatens water availability.

Goal

The goal for water use reduction under Stage 3 is a reduction of twenty percent 20% in the use that would otherwise have occurred in the absence of drought contingency measures. If circumstances warrant, the City Manager can set a goal for greater or lesser water use reduction.

Water Use Restrictions for Reducing Demand

Customers will comply with the requirements and mandatory restrictions on non-essential and other water use as provided below. Specific measures to be implemented during this stage will be determined by the City Manager or official designee. The City Manager or official designee may also take other actions not listed, if deemed necessary. All requirements of Stage 1 and Stage 2 shall remain in effect during this Stage 3, plus the following incremental or new measures:

- Outdoor irrigation is prohibited. Irrigation of trees and building foundations is permitted one day per week and for a maximum of two hours between 6:00 p.m. and 10:00 a.m. if it is by means of a hand-held hose, drip irrigation or soaker hose systems.

**Once Per Week Watering Schedule**

**(For Drought Contingency Plan Water Emergency - hand-held hose, drip irrigation or soaker hose systems only for a maximum of two hours between 6:00 p.m. and 10:00 a.m..)**

Last Digit of Address	Allowed Landscape Watering Days
1, 3	Monday
0, 2	Tuesday
5, 7	Wednesday
4, 6	Thursday
9	Friday
8	Saturday
Sunday – Commercial, Institutional, & Industrial	

- Use of water to wash any motor vehicle, motorbike, boat, trailer or other vehicle not occurring on the premises of a commercial vehicle wash facility or commercial service stations is prohibited. Further, such washing may be exempt from these requirements if the health, safety and welfare of the public are contingent upon frequent vehicle cleansing, such as garbage trucks and commercial vehicles used to transport food and perishables.
- Prohibit the filling, draining and refilling of water to swimming pools, wading pools, hot tubs, spas and ornamental ponds except to maintain structural integrity, proper operation and maintenance or to alleviate a public safety risk. Existing pools may add water to replace losses from normal use and evaporation.
- Suspend issuance of permits for new swimming pools, hot tubs, spas and ornamental ponds.
- Prohibit operation of splash pads.
- Hosing and washing of paved areas, buildings, structures, windows or other surfaces is prohibited except by variance and performed by a professional service using high efficiency equipment.
- Prohibit operation of ornamental fountains or ponds that use potable water except where supporting aquatic life or water quality.
- Landscape watering of parks, golf courses, and athletic fields with potable water is prohibited. Exception for golf course greens and tee boxes which may be hand watered as needed. Variances may be granted by the water provider under special circumstances.

Prohibit non-essential internal water use by the City of Celina, except where water is supplied from treated wastewater effluent.

- No restrictions on commercial nurseries, construction, (except for planting and establishing sod and other landscape plants which is prohibited), patio misters, and for dust abatement), patio misters, and for dust abatement.
- Step-up enforcement activities.
- Implement utilization of alternative water sources if available.

#### Termination

Stage 3 may terminate when UTRWD terminates its Stage 3 condition or when the circumstances that caused the initiation of Stage 3 no longer prevail. Upon termination of Stage 3, Stage 2 – Water Warning will be initiated, unless otherwise announced by the City of Celina or UTRWD.



## 8. Variances

The City Manager or official designee, may grant temporary variances for existing water uses otherwise prohibited under this Plan if one or more of the following conditions are met:

- Failure to grant such a variance would cause an emergency condition adversely affecting health, sanitation or fire safety for the public or the person requesting the variance;
- Compliance with this Plan cannot be accomplished due to technical or other limitations and
- Alternative methods that achieve the same level of reduction in water use can be implemented.

Variances may be granted or denied at the discretion of the City Manager or official designee. However, no variances shall be granted under any circumstance if the City of Celina is in Stage 3 Water Emergency. All petitions for variances should be in writing and should include the following information:

- Name and address of the owner and a licensed Texas irrigator responsible for the variance;
- Purpose of water use;
- Specific provisions from which relief is requested;
- Detailed statement of the adverse effect of the provision from which relief is requested;
- Description of the relief requested including a proposed irrigation plan;
- Monthly report verifying the goal reductions;
- Period of time for which the variance is sought;
- On-call personnel with contact information for 24-hour a day repair response within one hour of notice;
- Alternative measures that will be taken to reduce water use;
- Other pertinent information.

## 9. Enforcement

Mandatory water use restrictions are imposed in Stages 1, 2 and 3 of the Plan. These mandatory water use restrictions will be enforced by any combination of warnings, reconnection fees, suspension of service, monetary penalties, citations, and fees as follows and authorized by the governing body:

- On the first violation, customers will be notified by a sign or door-hanger that they have violated the mandatory water use restriction.
- On the second violation, the City of Celina will request the resident to adjust their irrigation system; or, if the resident doesn't comply with said request, the City of Celina may disconnect said irrigation system. In addition, City of Celina may post notification of violation with reconnection fees and possible monetary penalties;
- On the third violation, the City of Celina will disconnect water service and post notification of violation with reconnection fees, fines and / or citations;
- The City of Celina maintains the right, at any violation level, to disconnect irrigation systems and / or total water services to a customer with reconnection fees and possible monetary penalties authorized by action of the governing body and
- The City Manager or official designee may implement any provision of the enforcement process of this Plan.
- Any police officer having jurisdiction may issue a citation for any violation.
- A person commits an offense if the person knowingly or unknowingly allows the use of water from the city for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by city manager, in accordance with provisions of this plan.
- Any person who violates this plan is guilty of a misdemeanor and, upon conviction shall be punished by a fine of not less than \$500.00 and not more than \$2,000.00. Each day that one or more of the provisions in this plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this plan, the city manager shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur. Services discontinued under such circumstances shall be restored only upon payment of a reconnection charge, hereby established by the City of Celina Master Fee Chart. , and any other costs incurred by the city in discontinuing service. In addition, suitable assurance must be given to the city manager that the same action shall not be repeated while the plan is in effect. Compliance with this plan may also be sought through injunctive relief in the appropriate court.
- Any person, including a person classified as a water customer of the city, in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the

parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this plan and that the parent could not have reasonably known of the violation.

- Any employee of the city, police officer, or other employee designated by the city manager, may issue a citation to a person he/she reasonably believes to be in violation of this division. The citation shall be prepared in duplicate and shall contain the name and address of the alleged violator, if known, the offense charged, and shall direct him/her to appear in the city municipal court on the date shown on the citation. A summons to appear may be issued in lieu of an arrest warrant.

## **10. Coordination with Regional Water Planning Group, UTRWD and Others**

The City of Celina has coordinated with the Region C Water Planning Group and UTRWD to ensure consistency with the approved regional water plan and UTRWD's drought contingency plan. The City of Celina sent a copy of the draft ordinance(s) or resolution(s) implementing the Plan to UTRWD for review and approval. After adoption, the City of Celina sent the final ordinance(s) or resolution(s) and the Plan to UTRWD. Appendix C includes a copy of a letter sent to the Chair of the Region C Water Planning Group along with the City of Celina's Plan.

## **11. Review and Update of Drought Contingency Plan**

As required by TCEQ rules, the City of Celina will review and update this Plan every five years. The Plan will be updated as appropriate based on new or updated information, such as the adoption or revision of the regional water plan or based on new or updated information related to the City of Celina's service area, population, water supply, transmission system and, for compliance with UTRWD requirements. The next revision of the drought contingency plan must be prepared, adopted, and submitted to TCEQ's Executive Director not later than May 1, 2024. Any revised Plan must be submitted to TCEQ within 90 days of adoption by the community water system.

## **12. Current and Future Expansion Projects of the Water Distribution System**

Currently another 6 (six) million-gallon ground storage tank is pending design that will be located at the Celina Road Pump Station, to meet current and future potable water demands. The ground storage tank will ensure that potable water storage for the City of Celina meets the Texas Administrative Codes pertaining to potable water storage capacities. Along with the projects listed in the City of Celina Capital Improvement Plan.

## APPENDIX A

### **TCEQ Minimum Requirements of a Drought Contingency Plan for Municipal Uses by Public Water Suppliers (Subchapter B, Rule §288.20) Effective October 7, 2004**

(a) A drought contingency plan for a retail public water supplier, where applicable, must include the following minimum elements.

(1) Minimum requirements. Drought contingency plans must include the following minimum elements.

(A) Preparation of the plan shall include provisions to actively inform the public and affirmatively provide opportunity for public input. Such acts may include, but are not limited to, having a public meeting at a time and location convenient to the public and providing written notice to the public concerning the proposed plan and meeting.

(B) Provisions shall be made for a program of continuing public education and information regarding the drought contingency plan.

(C) The drought contingency plan must document coordination with the regional water planning groups for the service area of the retail public water supplier to ensure consistency with the appropriate approved regional water plans.

(D) The drought contingency plan must include a description of the information to be monitored by the water supplier, and specific criteria for the initiation and termination of drought response stages, accompanied by an explanation of the rationale or basis for such triggering criteria.

(E) The drought contingency plan must include drought or emergency response stages providing for the implementation of measures in response to at least the following situations:

(i) reduction in available water supply up to a repeat of the drought of record;

(ii) water production or distribution system limitations;

(iii) supply source contamination; or

(iv) system outage due to the failure or damage of major water system components (e.g., pumps).

(F) The drought contingency plan must include specific, quantified targets for water use reductions to be achieved during periods of water shortage and drought. The entity preparing the plan shall establish the targets. The goals established by the entity under this subparagraph are not enforceable.

(G) The drought contingency plan must include the specific water supply or water demand management measures to be implemented during each stage of the plan including, but not limited to, the following:

(i) curtailment of non-essential water uses; and

(ii) utilization of alternative water sources and/or alternative delivery mechanisms with the prior approval of the executive director as appropriate (e.g., interconnection with another water system, temporary use of a non-municipal water supply, use of reclaimed water for non-potable purposes, etc.).

(H) The drought contingency plan must include the procedures to be followed for the initiation or termination of each drought response stage, including procedures for notification of the public.

(I) The drought contingency plan must include procedures for granting variances to the plan.

(J) The drought contingency plan must include procedures for the enforcement of mandatory water use restrictions, including specification of penalties (e.g., fines, water rate surcharges, discontinuation of service) for violations of such restrictions.

(2) Privately-owned water utilities. Privately-owned water utilities shall prepare a drought contingency plan in accordance with this section and incorporate such plan into their tariff.

(3) Wholesale water customers. Any water supplier that receives all or a portion of its water supply from another water supplier shall consult with that supplier and shall include in the drought contingency plan appropriate provisions for responding to reductions in that water supply.

(b) A wholesale or retail water supplier shall notify the executive director within five business days of the implementation of any mandatory provisions of the drought contingency plan.

(c) The retail public water supplier shall review and update, as appropriate, the drought contingency plan, at least every five years, based on new or updated information, such as the adoption or revision of the regional water plan.

**APPENDIX B**

**Copy of Ordinance or Resolution Adopted  
by City Council or Governing Body  
(insert here)**

**APPENDIX C**

**Coordination with Regional Planning Group  
(insert here)**