



MEMORANDUM

To: Mayor and City Council

From: Mike Garza, P.E., Director of Public Works

Date: July 9, 2024

Reference: Consider approval of an Ordinance of the City of Coppell amending Chapter 3, Section 3-1-12 of the Code of Ordinances by amending the daily Water Conservation and Drought Contingency Plans; and authorizing the Mayor to sign necessary documents.

2040: **Sustainable Government**

Introduction:

This agenda item is to consider approval of an Ordinance of the City of Coppell amending Chapter 3, Section 3-1-12 of the Code of Ordinances by amending the daily Water Conservation and Drought Contingency Plans.

Background:

Every five years, water suppliers are required to perform a thorough review of their Water Conservation and Drought Contingency Plans and make any necessary updates to their plans. The governing body is then required to adopt the plans. The 5-year review is performed in order to coincide with the review performed by the Texas Water Development Board. This review has been performed by City staff and all required updates have been made.

The City of Coppell is a wholesale water customer of Dallas Water Utilities (DWU). This means we purchase all our water from Dallas, and it is delivered to us already treated and ready for distribution to our residents and business customers. Our distribution system includes two elevated storage tanks, 200 miles of water main, two ground storage tanks, and the Village Parkway Pump Station. Using these facilities, we purchase and pump more than 3 billion gallons of water annually. The Village Parkway Pump Station has a design capacity of 42 million gallons per day (MGD), however we currently have a contractual maximum delivery of 18.5 million gallons per day from DWU.

To encourage the conservation of water and to prepare for responses during drought conditions, the city has a Drought Contingency and Water Conservation Ordinance. The ordinance identifies goals for the plan, triggers (thresholds) for enacting certain drought responses, and responses (stages) to those triggers. The triggers are based on continual use above certain thresholds as well as the ability

to continue to operate the system in a manner that ensure safe drinking water and compliance with TCEQ regulations.

In 2022, staff amended the plan to adopt an “odd-even” address scheme for drought watering response. This update incorporates additional changes to assist in the conservation efforts. The changes include the reduction of drought stages from 5 to 4. Stage 1 will continue to be implemented year-round as it is in the current ordinance. The difference will be that it will reduce from a voluntary 3-day watering to voluntary 2 day a week watering based on address. The non-watering times will change from 10am-6pm to 9am-6pm. In addition, during stage 1, there will be a mandatory 2-day watering which will be implemented between May 1 and September 30 each year. Stage 2 will become mandatory 2-day watering by address. Stage 3 will be 1 day-watering and Stage 4 will be no automatic irrigation. Hand watering, drip irrigation and soaker hoses will be allowed. These stages apply to automatic irrigation systems. These changes were discussed with Council at the January council retreat.

Since the City of Coppell purchases water from DWU we are required to adopt similar conservation provisions to those applied in Dallas. Similar restrictions have been adopted by the other DWU customer cities.

TAC Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.2 lists the minimum requirements for Water Conservation Plans for municipal uses. TAC Title 30, Part 1, Chapter 288, Subchapter B, Rule 288.20 lists the minimum requirements for drought contingency plans for a retail public water supplier.

The following table is a simplified breakdown of the proposed watering restrictions.

Stage 1 (Year-round)	Stage 2	Stage 3	Stage 4
Voluntary 2 days/week (even/odd) Mandatory 2 days/week May 1 to Sept 30	Mandatory 2 days/week (even/odd)	Mandatory 1 day/week (even/odd)	No Automatic Irrigation
Res. Odd - Wed/Sun Res. Even – Tues/Sat Bus/Comm/City – Fri./Mon	Res. Odd - Wed/Sun Res. Even – Tues/Sat Bus/Comm/City – Fri./Mon	Res. Odd – Wed Res. Even - Tues Bus/Comm/City-Fri	
No automatic irrigation between 9am-6pm year- round	No automatic irrigation between 9am-6pm year- round	No automatic irrigation between 9am-6pm year- round	

Benefit to the Community:

The water conservation and drought contingency plans will help us manage our water consumption and operations with long term benefits including water availability and infrastructure longevity.

Legal Review:

The City Attorney has reviewed the Ordinance.

Fiscal Impact:

There is no fiscal impact for this agenda item.

Recommendation:

The Public Works Department recommends approval of this Ordinance.