



PUBLIC WORKS

To: Mayor and Town Council

From: Chuck Ewings, Assistant Town Manager

Through: Mario Canizares, Town Manager

Re: 2024 Conservation Plan and Water Resource Management Plan

Town Council Meeting – April 16, 2024

Strategic Visioning Priority: 4. Provide Excellent Municipal Services

Agenda Item:

Consider and act upon approval of an ordinance amending and adopting the Town of Prosper 2024 Water Conservation Plan and Water Resource and Emergency Management Plan.

Description of Agenda Item:

As a member of the North Texas Municipal Water District (NTMWD), the Town of Prosper must maintain a water conservation and drought contingency plan to ensure availability of treated water for its customers and regional customers. The plan must be adopted every five years with the goal to minimize water loss/waste and improve efficiency of water use. The plan sets a goal of reducing average daily residential use from 138 gallons per day to 134 gallons per day over the next 10 years.

This plan was previously approved in 2019 and, overall, does not significantly change other than certain amendments required by NTMWD. These include:

- Requirement that customers using one million gallons per year or have a lot greater than one acre in size must submit an evaluation by a licensed irrigator for permanently installed irrigation systems every 3 years to determine efficient operation of the system. (Section 8.02. H of the Water Conservation Plan)
- Requires hotels and motels must offer a linen reuse option to customers. (Section 8.02.I of the Water Conservation Plan)
- Prohibits restaurants, bars, and other commercial food or beverage establishments that provide drinking water to customers unless a specific request is made by the customer for drinking water. (Section 8.02.I of the Water Conservation Plan)

The plan does include recommended water waste prohibitions for future consideration but does not formally adopt them. These provisions are in Section 8.03.B of the Water Conservation Plan and may be adopted under the plan in the future.

- Prohibiting runoff from property greater than 50 ft.
- Prohibit outdoor watering when temperatures are below 32°.
- Failure to repair a controllable leak, including but not limited to a broken sprinkler head, a

- leaking valve, leaking or broken pipes, or a leaking faucet.
- Washing of driveways, sidewalks, parking lots or other impervious surface areas with an open hose or spray nozzle attached to an open hose, except when required to eliminate conditions that threaten public health, safety, or welfare.

The plan adds triggers for initiating Water Resource Management Stages in the event of reduced water availability in Section 2.04.A Water Resource and Emergency Management Plan:

- Water demand is approaching a level that will cause a reduced delivery capacity for all or part of the distribution system.
- Texas State Governor has declared a drought disaster declaration for Collin and/or Denton County.

Public Works environmental staff conducts regular outreach regarding water conservation and will include these updates in its information to assist customers in managing water use.

Budget Impact:

There is no budgetary impact affiliated with this item.

Legal Obligations and Review:

Terrence Welch of Brown & Hofmeister, L.L.P., has approved the attached documents as to form and legality.

Attached Documents:

1. Ordinance Adopting the 2024 Water Conservation Plan
2. 2024 Water Conservation Plan and Water Resource and Emergency Management Plan

Town Staff Recommendation:

Town Staff recommends Town Council approval of an ordinance amending and adopting the Town of Prosper 2024 Water Conservation Plan and Water Resource and Emergency Management Plan

Proposed Motion:

I move to approve an ordinance amending and adopting the Town of Prosper 2024 Water Conservation Plan and Water Resource and Emergency Management Plan