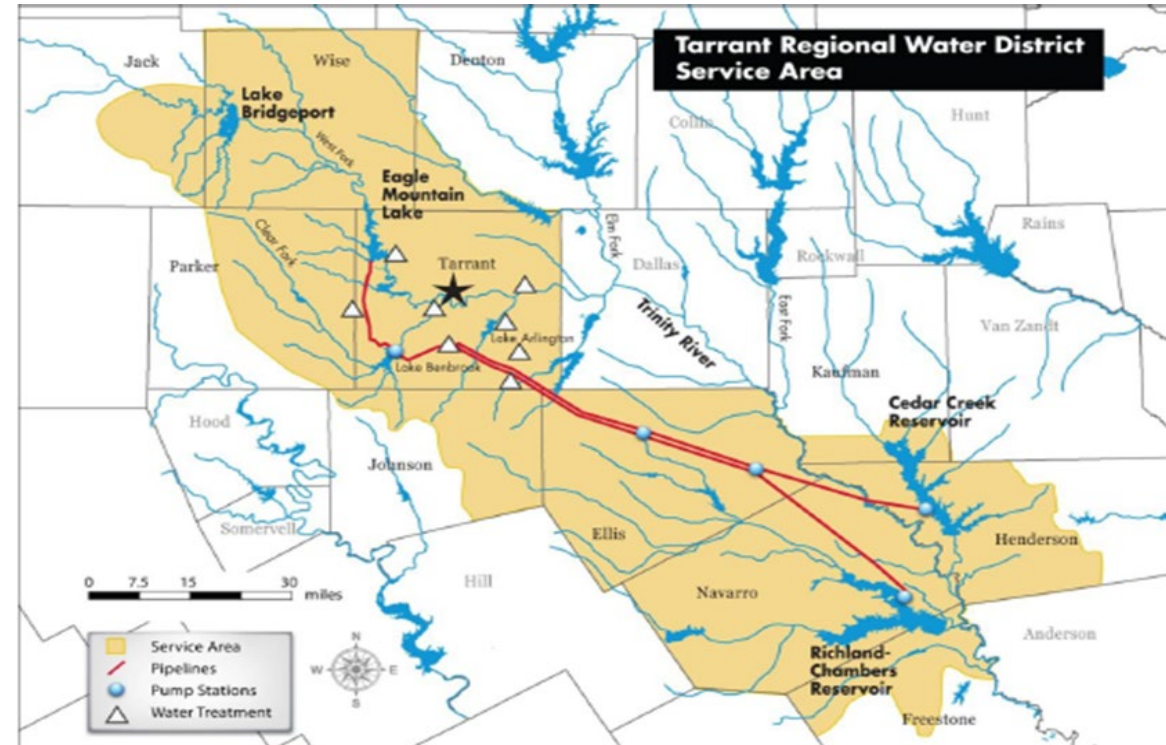


# 2024 Plan Update for Water Conservation & Drought Contingency and Emergency Water Management

# Background

- Required by:
  - Texas Commission on Environmental Quality (TCEQ) through Texas Administrative Code (Title 30)
  - Texas Water Development Board (TWDB)
  - Contract as a wholesale water customer of Fort Worth
- Must be:
  - Coordinated with City of Fort Worth Plan
  - Regionally Coordinated
  - Updated Every 5 Years
  - Publicly Reviewed
  - Formally Adopted

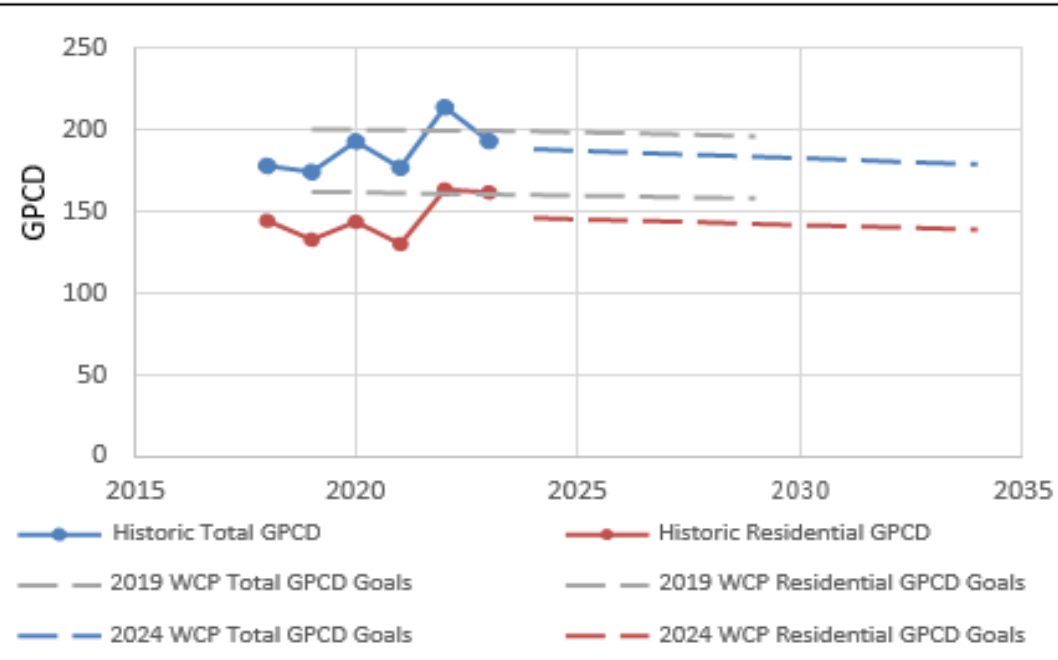


# Water Conservation Plan Goals

## 1. To reduce water consumption

- Decrease Total Consumption from 2019 Goal of 200 GPCD to 190 GPCD
- Decrease Residential Consumption from 2019 Goal of 160 GPCD to 150 GPCD

**FIGURE 4-1: HISTORIC TOTAL AND RESIDENTIAL GPCD AND GOALS**



**2022 was the driest year in the 2019 Plan term**

# Water Conservation Plan Goals

## 2. To reduce the loss and waste of water

- Maintain a water loss of under 8% annually - Aiming for 7%

**TABLE 4-1: WATER CONSERVATION PLAN 5- AND 10-YEAR GOALS**

Description	Units	2018-2023 Average	2029	2034
Total GPCD <sup>a</sup>	GPCD	188	183	177
Residential GPCD <sup>b</sup>	GPCD	143	142	139
Water Loss GPCD <sup>c</sup>	GPCD	14.0	14	14
Water Loss Percentage	%	7.4%	7%	7%

a. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365

b. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365

c. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365

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

# Water Conservation Plan Goals

**3. To improve the efficiency of water**

**4. To increase the recycling & reuse of water**

New Additional Conservation Efforts focused on public outreach and education:

- Weekly Watering Advice Service
- Save Tarrant Water Promotion
- Youth Education Programs
- Learn and Grow Program
- Twice-Per-Week Schedule Promotion
- Annual Conservation Reports
- 6 Potential Future Programs to be implemented as able

# Drought Contingency Plan Update

## Main Goals

- Conserve water supply in times of drought and emergency
- Maintain supplies for domestic water use, sanitation, and fire protection
- Protect and preserve public health, welfare, and safety
- Minimize the adverse affects of a water shortage

## Amendments

- Provides for drought disaster declaration by governor
- Provides for natural disaster or extreme weather event
  - Prompted in response to 2021 Winter Storm Uri

# Drought Contingency Plan Triggers

Drought Stage		Demand as % of Capacity	Demand Reduction Goal	Outdoor Watering Restrictions
Stage 1	Initiation	90% for 3 consecutive days	5%	2X per week
	Termination	Conditions cease to exist		
Stage 2	Initiation	95% for 3 consecutive days	10%	1X per week
	Termination	Conditions cease to exist		
Stage 3	Initiation	98%	20%	No outdoor watering
	Termination	Conditions cease to exist		



**Any Questions?**  
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