



Water Conservation Plan

City of Kyle, Texas

September 2026



CITY OF KYLE

WATER CONSERVATION PLAN



September 2026

This Report presents the results of the study of the City of Kyle's Water Conservation Plan and presents the utility profile for the City of Kyle, and programs, policies, and ordinances in place to promote water conservation.



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September 2, 2026
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1.0 Introduction

The objectives of the Water Conservation Plan are to promote the responsible use of water by (1) implementing structural programs that result in quantifiable water conservation results, (2) developing, maintaining, and enforcing water conservation policies and ordinances, and (3) supporting public education programs that educate customers about water and wastewater facilities operations, water quantity and quality, and water conservation.

2.0 Utility Profile

The City of Kyle's water and wastewater supply sources, system, and customers are briefly summarized below. See Appendix A for the full Utility Profile as required by 30 TAC 288.2 (a)(1)A.

2.1 Water Supply System

The City utility water supply system consists of several groundwater and surface water resources. The groundwater system currently consists of five groundwater wells, four managed by the Edwards Aquifer Authority (EAA) and one managed by Barton Springs Edwards Aquifer Conservation District (BSEACD), and Alliance Regional Water Authority (ARWA) water supply contracts. The treated surface water supply sources include Guadalupe-Blanco River Authority (GBRA) and partner agreements with the City of San Marcos executed in 2025.

2.2 Reservoir System

The City of Kyle receives only treated surface water from the Guadalupe-Blanco River Authority (GBRA). GBRA is responsible for the operation of the reservoir system and coordinates its operations plan with its water customers. The City does not own a potable water supply reservoir within its service area.

2.3 Wastewater System

The City of Kyle's wastewater system serves approximately 97% of the water system customers. The wastewater treatment plant process is activated sludge and currently has a design capacity of 4.5 MGD with design for an expansion to 9.0 MGD in progress, and an ultimate design capacity of 12 MGD.

2.4 Customers

The City of Kyle Water Utility currently provides water service to a population of approximately 55,000 residents. Water service is provided to approximately 14,870 connections in August 2025 and Kyle's customers and water users consist of primarily residential (95%) with light commercial (3%) and irrigation (2%) users.

3.0 Water Conservation Goals

The City of Kyle has developed goals for municipal use in Gallons Per Capita Per Day (GPCD), for overall and residential users, as well as Water Loss Program goals. The municipal use goals were developed based on historic per capita demand, which is the average water consumption per resident per day and it presented as GPCD. Total GPCD is calculated by taking the total system usage and dividing by the number of residents within the service area. This metric is used as a standard, but it is understood that a considerable percentage of the system usage does not directly correlate with the number of residents. Businesses within the service area serve and employ individuals outside of the service area, and there are institutional and non-revenue uses of water which contribute to this total. Thus, residential GPCD goals

were also developed in order to provide a more precise goal for residents within the service area. Residential GPCD is calculated by taking the residential (single-family and multi-family units) usage and dividing by the number of residential connections and multiplied by an assumed average of 3 persons per residential meter. The historic total and residential GPCDs are provided in the table below.

Table 3-1 Historic Per Capita Demand

Year	Total GPCD	Residential GPCD
2024	91	50
2023	82	47
2022	98	52
2021	85	48
2020	88	51
Historic Average	89	50

The City of Kyle has been under Stage 3 drought restrictions for the last three years, which seeks to reach a 30% reduction in water use. The resultant GPCD values are therefore assumed to have a reduction factor of approximately 30% and would be expected to be considerably higher if the drought stage reductions were to be lifted. As such, the City of Kyle has developed its 5- and 10-year targets using a 30% increase on historical data to reflect what the GPCD would be without restrictions. The City's goals for municipal and residential use in GPCD and water loss goals are listed below.

3.1 5-Year Target

- Achieve a municipal use of 100 gallons per capita per day or less for the first five years beginning in the year 2025 and ending in 2030.
- Achieve a residential use of 65 gallons per capita per day or less for the first five years beginning in the year 2025 and ending in 2030.
- Achieve a water loss not to exceed 7 gallons per capita per day or less for the first five years beginning in 2025 and ending in 2030.
- Achieve a water loss not to exceed 15% of unaccounted water per year from 2025 to 2030.

3.2 10-Year Target

- Achieve a municipal use of 95 gallons per capita per day or less over a ten-year period beginning in the year 2025 and ending in 2035.
- Achieve a residential use of 64 gallons per capita per day or less over a ten-year period beginning in the year 2025 and ending in 2035.
- Achieve a water loss not to exceed 6 gallons per capita per day or less for the first 10 years beginning in 2025 and ending in 2035.
- Achieve a water loss not to exceed 15% of unaccounted water per year from 2025 to 2035.

3.3 Method of Calculation:

The City of Kyle calculated its municipal use goals by considering its population growth for the previous five years, from 2020 to 2024, its population projections over the five- and ten-year planning periods, the climate and conditions of the area, by reviewing the City's historical municipal use for the previous five years, from the years 2020 through 2024, and the City's most recent water model.

The City's unique situation as currently being the third fastest growing municipality in the United States, as indicated by data released by the United States Census Bureau in 2022, was a primary consideration in

developing its municipal use goals. The United States Census Bureau indicates that the City's population increased from 28,016 in the year 2010 to 57,470 in the year 2022. The City also developed its municipal use goals while taking into consideration the Texas Water Development Board Water Conservation Implementation Task Force's statewide average municipal use goal of 140 gallons per capita per day.

The City developed its water loss goals by reviewing its water loss data for the previous three years, from 2022 to 2024. Both the City's municipal use and water loss goals and targets for the applicable period reflect the large-scale growth that the City is experiencing and is expected to experience over the next decade.

4.0 Water Conservation Program

4.1 Metering Devices

The City of Kyle launched Advanced Metering Infrastructure (AMI) in May 2025 with installation of new digital smart meters that will allow real-time insights into water usage. System-wide installation of the smart meters is scheduled for late 2025. The City of Kyle uses new meters having an accuracy within plus or minus 5.0% in order to measure and account for the amount of water diverted from the source of supply. The AMI meters will help the City of Kyle identify irrigation violations and indoor leaks and customers will have the ability to receive alerts of high use and notices of improper watering. Construction water from hydrants is allowed only through portable metering devices controlled by the City.

4.2 Universal Metering, Meter Testing and Repair, and Periodic Meter Replacement

The City requires meters to be installed on all new connections within its service area and began a program of replacing existing meters in 2003. All meters replaced are required to be replaced with digital real-time meters to collect daily accurate readings of current connection water usage.

The City conducts annual accuracy tests on all master meters and calibrates/repairs if necessary. The City utilizes master meters to measure and account for the amount of water diverted from the source of supply. The City replaces meters if faulty and detects misreading or faulty meters through customers billing reviews each month.

4.3 Measures to Determine and Control Unaccounted-For-Uses of Water

The City of Kyle utilizes measures to determine and control unaccounted-for uses of water, including periodic visual inspections along distribution lines and annual water system audits. The City's programs for leak detection and repair, discussed in Section 12 below, allows the City to identify and resolve unaccounted-for uses of water.

4.4 Public Education and Information Program

The City of Kyle maintains an ongoing program of public education and outreach. The City disseminates materials throughout each fiscal year at local events in the form of fliers and handouts, presents to local organizations, and makes materials available to local organizations including HOAs. The City maintains brochures, postcards, and flyers at City facilities and provides drought and water conservation management practices, rebate programs, and information on the City's water sources on their website at [Water Wise & Sewer Savvy | Kyle TX](#). The City mailed out the 2023 Annual Drinking Water Quality Report. The City also distributes educational materials through press releases, on its website, www.Cityofkyle.gov, and through its social media accounts.

The City will continue to distribute water conservation materials at various public events and place conservation information in customer monthly bills and on the City's website, www.Cityofkyle.gov.

4.5 Non-Promotional Water Rate Structure

The City of Kyle utilizes a rate structure that promotes conservation through a graduated schedule of fees that escalate as consumption increases. The City's rate structure for Single Family Residential users inside the City, in effect as of the date of this Water Conservation Plan, is as follows:

Gallons	Inside City Limits Price Per 1,000 gallons	Outside City Limits Price Per 1,000 gallons
0 to 4,000	\$5.87	\$6.92
4,001 to 8,000	\$7.34	\$8.64
8,001 to 12,000	\$8.81	\$10.36
12,001 to 16,000	\$10.28	\$12.09
16,001 to 20,000	\$11.74	\$13.80
20,001 to 30,000	\$13.21	\$15.55
30,001 to 50,000	\$14.68	\$17.27
50,001 and up	\$17.61	\$20.72

5.0 Enforcement Procedure and Plan Adoption

The City of Kyle's ordinance adopting this plan is attached to this plan as —Appendix B. Because the City has formally adopted this plan through its ordinance-making authority, the City will implement and enforce this plan by means of existing mechanisms and control over City regulatory programs.

6.0 Coordination with the Regional Water Planning Group(s)

The City of Kyle's service area is located with Region L – South Central Texas Regional Water Planning Group and the City has provided a copy of this plan to Region L – South Central Regional Water Planning Group. A copy of the letter sent to Region L Regional Water Planning Group is attached to this plan as – Appendix C.

7.0 Program for Leak Detection, Repair, and Water Loss Accounting

The City of Kyle maintains a program for leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system in order to control unaccounted-for uses of water. The City has purchased equipment to perform acoustic leak detection surveying on the City's water distribution piping and all accessible active, visible, and future service connections, fire hydrants and distribution valves located in the City's water distribution system. During these surveys a City employee acoustically inspects all check valves at well sites and adjoining water system interconnect valves for reverse flow and ensures that valves are in proper working condition. The City collects and identifies all leaks and water loss locations with a GPS locator and the data is documented in the City's work order system. The City conducts two hundred service connection checks per month and identified leaks are replaced as needed. In addition, the employee walks along the City's water system to visually check for potential water loss areas. The City tests all water that is identified on the ground or in close proximity of the water system for the existence of chlorine and leaks. The City also routinely inspects for any water loss areas or leaks throughout each calendar year.

The City of Kyle AMI digital smart meter system supports the identification of indoor leaks and sends alerts to the City and customers in real time.

The City also conducts ongoing leak detection activities relying on the City's staff to visually inspect the water system and the City provides a local telephone number to citizens to report a leak. The City makes every effort to inform a citizen when a leak has been detected on the customer's side of the meter.

The City of Kyle annually performs pre-screening system water audits that includes determining metered sales and other system verifiable use while also determining the total supply placed into the system and pumped out of the system. The purpose of the pre-screening audit is to determine whether Kyle achieves 15% or less water loss from its system.

8.0 Record Management System

The City of Kyle maintains a record management system to record water pumped, water deliveries, water sales, and water losses that allows for the categorization of water sales and uses into user classes. The four user classes for the City of Kyle's record management system are commercial, irrigation, City consumption/irrigation, and multi-family residential.

9.0 Wholesale Water Supply Contracts

The City of Kyle will require a statement in each wholesale water supply contract entered, renewed, or extended after the effective date of this plan that each successive wholesale customer develop and implement a water conservation plan or water conservation measures in accordance with Title 30 Texas Administrative Code Chapter 288.

10.0 Best Management Practices (BMPs)

The City of Kyle utilizes the following additional water conservation strategies and BMPs:

10.1 Adoption of Plumbing Code

The City of Kyle adopted the 2021 International Plumbing Code and all new construction or renovations in the City must comply with the water conserving fixtures as set forth in the 2021 International Plumbing Code.

10.2 Reuse of Wastewater and/or Graywater

The City completed an internal Reclaimed Water Master Plan in 2023. The City will continue to deliver reclaimed wastewater to the Plum Creek Golf Course, which is the golf course within the largest established neighborhood within the City's service area. In 2024 the reuse of wastewater at the Plum Creek Golf Course amounted to 76,932,000 gallons of water. A non-potable water (NPW) pump station is under construction that is scheduled to be in service by the end of 2026. The NPW pump station is designed to provide 0.9 MGD to the Plum Creek Golf Course and 0.8 MGD to the Kyle Wastewater Treatment Plant (WWTP). It is recommended to use alternative sources of water such as rainwater, graywater, and reclaimed water to the maximum extent available.

10.3 Program and/or Ordinance for Landscape Water Management

The City of Kyle requires permits for the installation of irrigation systems, maintains a Landscape Ordinance, and utilizes a five-day water schedule according to the City's current Drought Contingency Plan.

10.4 Water Conservation Coordinator

The City has budgeted and staffed a Water Conservation Coordinator position that is responsible for implementing and maintaining the City's water conservation programs. The City's Water Conservation Coordinator is an individual who is designated to oversee and coordinate water conservation efforts within the water utility's service area. This position will further document the annual water conservation program implementation status report as it relates to the 30 TAC section 288 reporting requirements that indicate the performance of adopted best management practices (BMPs) described by this plan. The Water Conservation Coordinator utilizes several resources to incorporate BMPs into the City's existing and upcoming plans and codes, including Texas Water Development Board (TWDB) BMPs for Municipal Water Providers, One Water in the Texas Hill Country, and Net Zero Water Toolkit: A Guide to Non-Potable Onsite Reuse.

10.5 Low Flow Rebates

Subject to availability of funding, the City of Kyle will offer up to a \$100 rebate per toilet, per household for low flow toilets to be installed in a residential home. To qualify, the applicant must have a toilet in the home that uses 1.6 gallons or less of water per flush.

The City of Kyle will offer up to a \$50 rebate per low-flow shower head, per household that is installed to replace a regular flow shower head. To qualify, the applicant must have a shower head in the home that uses 1.6 gallons or less of water per minute.

The City of Kyle will offer up to a \$10 rebate per toilet, per household for a toilet tank flapper repair kit.

The City of Kyle will offer up to a \$5 rebate per faucet, per household for faucet aerators added to faucets that did not previously have them.

The City of Kyle will offer up to a \$35 rebate, up to two per household, for a faucet mount sprinkler timer.

In order to receive any of the rebates listed above, recipients must apply using the rebate application which can be found at [Residential Water Conservation Rebate Program \(WCRP\) Application](#). The application must include complete customer contact information for the rebate and sales tax will not be reimbursed.

10.6 Rain Barrel Rebate

The City of Kyle will offer up to a \$200 rebate, per household for a rain barrel that stores a minimum of 50 gallons.

In order to receive the rebate listed above, recipients must apply using the rebate application which can be found at [Residential Rain Barrel Pilot Program Application](#). The application must include complete customer contact information for the rebate and sales tax will not be reimbursed.

10.7 WaterSaver Landscapes Rebate

The City of Kyle will offer up to a \$250 rebate, per household for Residential WaterSaver Landscapes.

In order to receive the rebate listed above, recipients must apply using the pre and final approval rebate applications which can be found at [Residential WaterSaver Landscapes Rebate Program](#). The application must include complete customer contact information for the rebate and sales tax will not be reimbursed.

10.8 Method for Monitoring the Effectiveness and Efficiency of the Plan

The City of Kyle will document the above methodologies that will be utilized to achieve its five- and ten-year target goals. Meter calibration, testing, and replacement will be documented and kept in the Public Works Department files. Pre-screening audits and full-scale water audits will be documented and kept in the Public Works Department files. In addition, records will be maintained for the City's leak detection program and for its SCADA system. The City will continue to track its annual water use by taking daily readings and recording its water use data for all water sources. The City will annually evaluate its progress towards meeting the goals set forth in this plan through the preparation of its Implementation Report submitted to the Texas Water Development Board. The City will annually review the data compiled in accordance with this plan and will assess its progress toward meeting its water use and water loss goals.

11.0 Plan Review and Update

The City of Kyle will review and update its water conservation plan, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information from the regional water planning district.

12.0 Severability

It is hereby to be the intention of Kyle that the sections, paragraphs, sentences, clauses, and phrases of this Plan are severable and if, any phrase, clause, sentence, paragraph, or section shall be declared unconstitutional by the valid judgement or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, or sections of this Plan, since the same would not have been enacted by Kyle without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

13.0 Drought Contingency Plan

The City of Kyle has adopted a Drought Contingency Plan that allows the City to restrict water use during droughts or other uncontrollable circumstances. The plan is triggered by various triggering criteria for each of its water suppliers, percentage of available supply demanded, or at the City Managers discretion. See Appendix D for the full Drought Contingency Plan.

Appendix A – Utility Profile for Municipal Water Use by Public Water Suppliers

Utility Profile for Retail Water Supplier

I. Contact Information

Name of Utility:	City of Kyle
Public Water Supply Identification Number (PWS ID):	TX1050002
Certificate of Convenience and Necessity (CCN) Number:	11024
Surface Water Right ID Number:	
Wastewater ID Number:	20410
Contact:	Michael Van Winkle
Title:	Division Manager Treatment Operations
Address:	520 E Fm 150, Kyle, TX 78640
Email:	mvanwinkle@cityofkyle.com
Telephone Number:	512-262-3024
Is this person the designated Conservation Coordinator?	Yes
Regional Water Planning Group:	Region L – South Central Texas
Groundwater Conservation District:	

Our records indicate that you:

☐ Received financial assistance of \$500,000 or more from TWDB

☐ Have 3,300 or more retail connections

☐ Have a surface water right with TCEQ

A. Population and Service Area Data

- 1) Attach a copy of your service-area map and, if applicable, a copy of your Certificate of Convenience and Necessity (CCN). See Exhibit No. 1 for Water Service Area Map.
- 2) Current service area size in square miles: 34
- 3) Current population of service area: 55,000
- 4) Historical service area population for the previous five years, starting with most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wastewater Water Service
2020	38,346	49,622
2021	42,069	52,000
2022	44,103	54,500
2023	49,800	55,600
2024	52,000	58,450

- 5) Projected service area population for the following decades:

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wastewater Water Service
2030	86,013	98,715
2040	170,076	195,191
2050	213,479	245,004
2060	260,230	298,658
2070	317,218	364,062

- 6) Describe source(s)/method(s) for estimating current and projected populations:

The historical retail water service population is based on the Kyle Water Loss Audit Reports for retail water. The historical wastewater service population is based on the City of Kyle Map Server Data. The projected population served for retail water and wastewater was calculated using the Annual Growth percentages from the Kyle Water Master Plan.

System Input

- 1) System input data for the previous five years
Total System Input = Self supplied + Imported – Exported

Year	Water Produced in Gallons	Purchases/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2024	270,697,000	1,228,970,000	514,665	1,507,550,297	91
2023	226,078,197	1,265,249,571	239,550	1,491,088,218	82
2022	342,040,694	1,160,371,859	450,041	1,501,962,512	98
2021	338,243,192	972,280,000	1,744,354	1,308,778,838	85
2020	402,730,270	835,311,377	4,023,558	1,234,018,089	88
Historic Average	315,957,871	1,092,436,561	1,394,434	1,408,679,591	89

B. Water Supply System

- 1) Designed daily capacity of system in gallons: 9,530,000
- 2) Storage capacity
 - a) Elevated storage in gallons: 3,350,000
 - b) Ground storage in gallons: 7,241,000

C. Projected Demands

- 1) The estimated water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Projected Population	Water Demand (gallons)
2026	61,781	2,162,558,234
2027	67,342	2,357,188,475
2028	73,402	2,569,335,438
2029	79,458	2,781,305,612
2030	86,013	3,010,763,325
2031	93,109	3,259,151,299
2032	100,791	3,528,031,281
2033	109,106	3,819,093,862
2034	117,835	4,124,621,371
2035	127,261	4,454,591,080

- 2) Description of source data and how projected water demands were determined.
The projected population for water demand was calculated using the Annual Growth percentages from the Kyle Water Master Plan. The water demand was calculated using the Projected Average Day Demand (ADD) and the projected population.

D. High Volume Customers

- 1) The annual water use for the five highest volume

RETAIL customers.

Customer	Use (1,000 gal/year)	Treated or Raw Water
Kyle Correction Center	26,313	Treated
Seton Medical Center	21,011	Treated
Alsco Corporation	15,529	Treated
Kyle Dacy Apartments	14,938	Treated
Kyle Bluebonnet Apartments	14,019	Treated

- 2) The annual water use for the five highest volume

WHOLESALE customers.

The City does not currently serve any wholesale customers.

E. Utility Data Comment Section

- 1) Additional comments about utility data.
 - a) List all current water supply sources and the amounts authorized (in acre feet) with each.

Water Type	Source	Amount Authorized (AF/year)
Surface Water	GBRA	5,443
Groundwater	EAA	432.072
Groundwater	BSEACD	1,074.82
Contract	ARWA	1,934
Contract	ARWA Partner Agreement	728.11

II. System Data

A. Retail Water Supplier Connections

- 1) Current number of active connections.

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential – Single - Family	14,095	72.5
Residential – Multi - Family	4,595	23.6
Commercial	449	2.3
Industrial/Mining	0	0
Institutional	0	0
Agriculture (Irrigation)	310	1.6
Other/Wholesale	0	0

2) Net number of new retail connections by water use category for the previous five years.

Year	Residential – Single - Family	Residential – Multi - Family	Industrial	Commercial	Institutional	Agriculture (Irrigation)
2024	1,931	5	0	-8	0	49
2023	861	3	0	0	0	0
2022	478	0	0	0	0	0
2021	776	0	0	64	0	0
2020	528	0	0	25	0	9

B. Accounting Data

1) The previous five years' gallons of RETAIL water provided in each water use category

Year	Residential – Single - Family	Residential – Multi - Family	Commercial	Agriculture	Total
2024	846,489,376	73,715,600	324,031,000	86,772,100	1,331,008,076
2023	804,301,017	42,777,939	371,511,800	112,395,400	1,330,986,156
2022	754,451,187	32,724,300	398,182,800	147,624,805	1,332,983,092
2021	664,787,973	37,409,000	307,758,335	130,175,448	1,140,130,756
2020	665,358,600	47,637,400	266,646,900	126,964,100	1,106,607,000

C. Residential Water Use

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

Year	Total Residential GPCD
2024	50
2023	47
2022	52
2021	48
2020	51
Historic Average	50

D. Annual and Seasonal Water Use

1) The previous five years of treated water provided to RETAIL customers

Year	2020	2021	2022	2023	2024
Month					
January	85,170,000	88,951,000	96,370,000	101,035,000	104,885,000
February	76,357,000	89,976,000	87,242,000	94,949,000	83,882,700
March	86,791,000	99,211,000	113,636,000	116,349,000	84,607,900
April	90,351,000	105,944,000	124,979,000	115,417,000	96,703,500
May	102,950,000	104,988,000	139,127,000	121,847,000	95,503,000
June	109,681,000	121,928,000	157,368,000	141,400,000	103,274,605
July	131,813,000	119,525,000	173,406,000	173,089,000	115,435,646
August	137,786,000	126,773,000	136,757,000	179,773,000	108,984,525
September	103,895,000	130,303,000	124,006,000	134,138,000	119,790,200
October	115,101,000	117,421,000	130,308,000	114,176,000	141,800,100
November	107,861,000	104,708,000	106,911,000	99,005,000	126,601,300
December	92,359,000	99,042,000	105,047,000	102,535,000	135,920,800
Totals	1,240,115,000	1,308,770,000	1,495,157,000	1,493,713,000	1,331,008,076

2) The previous five years of raw water provided to RETAIL customers

N/A

3) Summary of seasonal and annual water use

Year	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2024	344,210,371	1,331,008,076
2023	494,262,000	1,493,713,000
2022	467,531,000	1,495,157,000
2021	368,226,000	1,308,770,000
2020	379,280,000	1,240,115,000
Average in gallons	410,701,874	1,373,752,615

E. Water Loss

1) Water Loss data for the previous five years.

Year	Amount (gallons)	Water Loss in GPCD	Percent %
2020	111,985,863	8	9.00
2021	149,274,755	10	11.40
2022	144,991,172	9	9.70
2023	156,779,609	9	10.50
2024	145,977,397	9	9.74
Average	141,801,759	9	10

F. Peak Day Use

1) Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2024	4,054,511	5,967,000	1.4717
2023	4,092,364	5,372,413	1.3128
2022	4,096,320	5,081,858	1.2406
2021	3,585,671	4,002,456	1.1162
2020	3,397,575	4,122,608	1.2134

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential – Single - Family	14,144	95	58.9
Residential – Multi - Family	18	0.1	4.6
Industrial	0	0	0
Commercial	508	3.4	27.1
Institutional	0	0	0
Agriculture	277	1.9	9.4

H. System Data Comment Section

III. Wastewater System Data

A. Wastewater System Data

- 1) Attach a copy of your wastewater service-area map: See Exhibit No. 2
- 2) Design capacity of wastewater treatment plant(s) in gallons per day: 4,500,000
- 3) List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	0	18,327	18,327	68.99
Industrial	0	0	0	0
Commercial	0	5,596	5,596	21.07
Institutional	0	0	0	0
Agricultural	0	0	0	0
Total	0	26,565	26,565	100

- 4) Percentage of water serviced by the wastewater system: 97.00

5) Number of gallons of wastewater that was treated by the utility for the previous five years

Year	2020	2021	2022	2023	2024
Month					
January	75,609,000	89,001,000	94,364,000	103,881,000	160,053,000
February	73,776,000	86,128,000	105,588,000	103,684,000	132,211,000
March	81,623,000	86,056,000	94,240,000	107,074,000	125,395,000
April	92,190,000	80,430,000	88,260,000	109,050,000	123,990,000
May	108,717,000	111,259,000	90,489,000	119,784,000	134,447,000
June	84,060,000	97,560,000	90,540,000	108,600,000	132,360,000
July	65,565,000	89,745,000	103,261,000	111,383,000	136,245,000
August	77,283,000	86,056,000	99,076,000	114,142,000	126,139,000
September	85,140,000	78,090,000	96,240,000	107,880,000	116,850,000
October	78,492,000	106,051,000	96,782,000	117,335,000	113,770,000
November	75,690,000	92,880,000	101,490,000	118,530,000	113,370,000
December	81,747,000	95,976,000	107,911,000	116,653,000	119,939,000
Totals	979,892,000	1,099,232,000	1,168,241,000	1,337,996,000	1,534,769,000

6) Could treated wastewater be substituted for potable water?

Yes ____ No x

B. Reuse Data

1) Data by type of recycling and reuse activities implemented during the current reporting period.

Typed of Reuse	Total Annual Volume (in gallons)
On-site Irrigation	
Plant wash down	54,750,000
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (park, golf courses)	107,900,000
Agricultural	
Discharge to surface water	
Evaporation Pond	
Other	
Total	162,650,000

C. Wastewater System Data Comment

2) Additional comments and files to support or explain wastewater system data listed above.

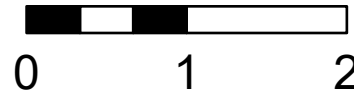
Exhibit 1 – Water Service Area Map

CITY OF KYLE

Existing Water System



Miles



-  Water CCN Boundary
-  City of Kyle Limits
-  Kyle ETJ
-  Kyle Main Water Lines
-  Pump Station
-  EST
-  Water Wells

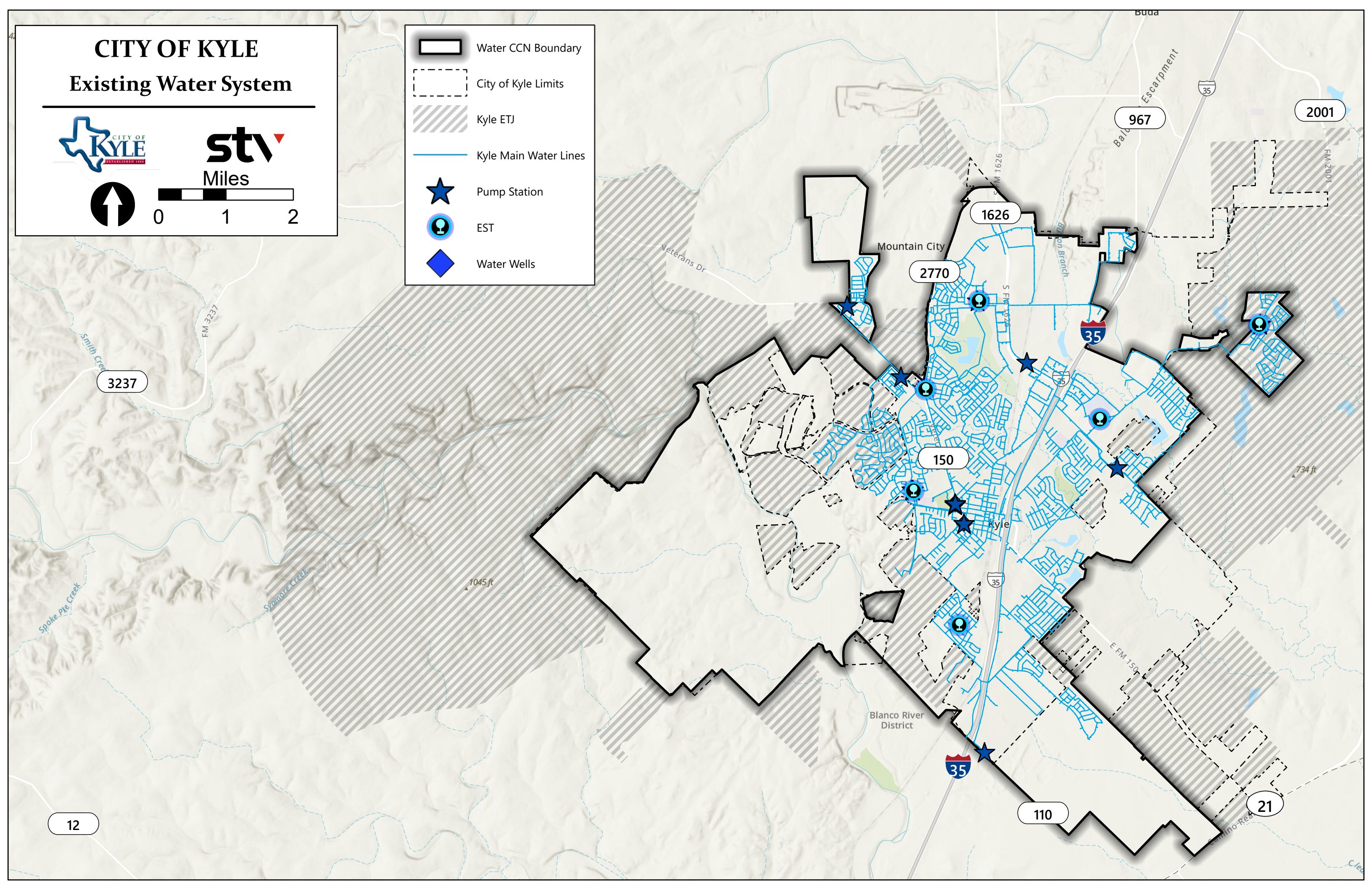
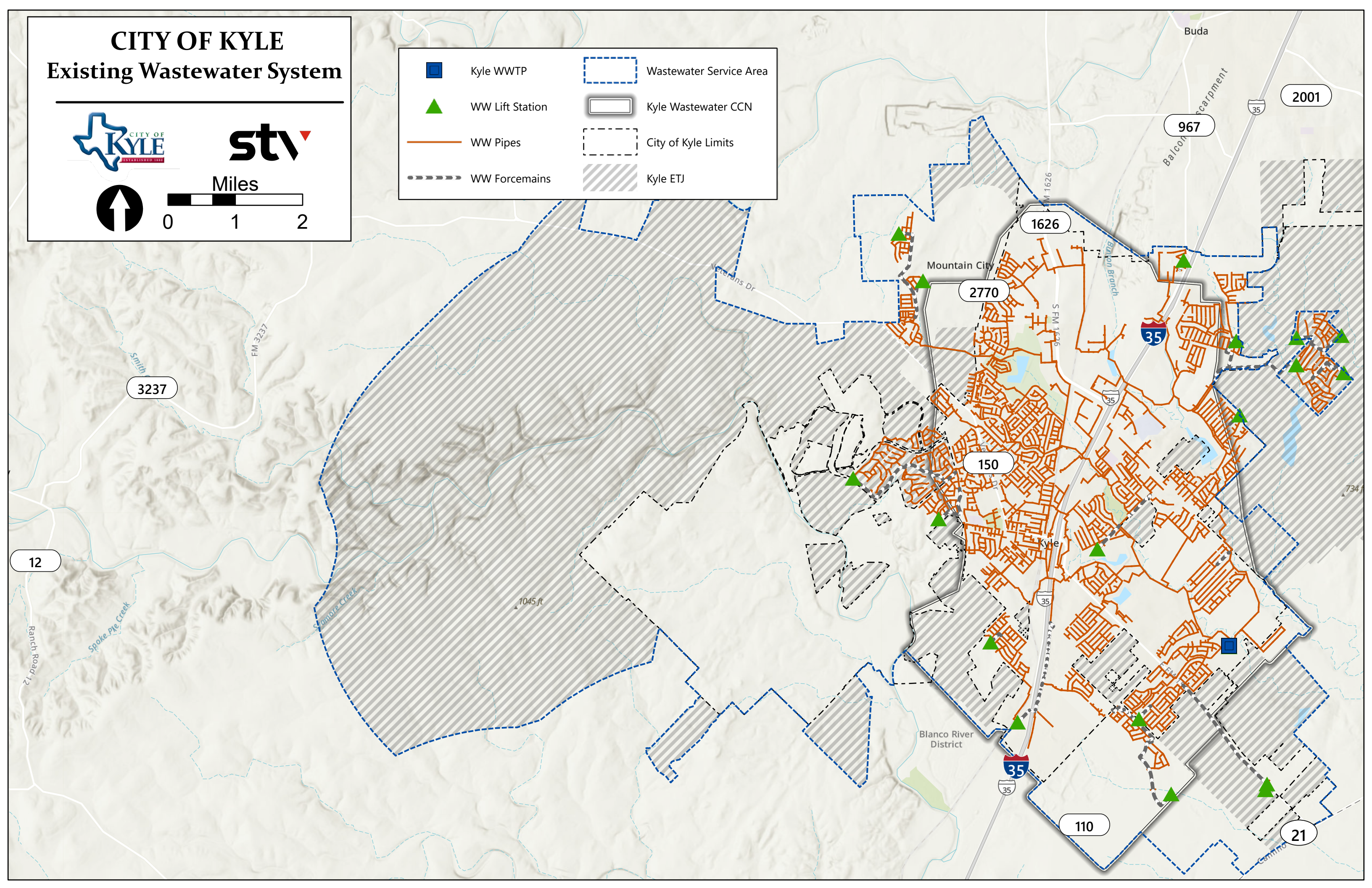
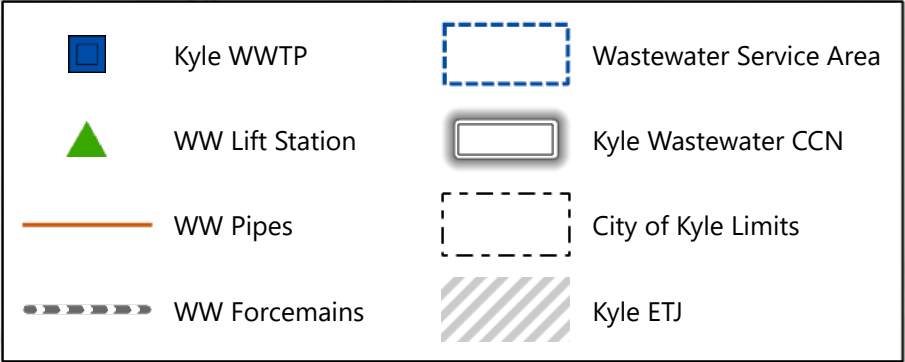


Exhibit 2 – Wastewater Service Area Map

CITY OF KYLE

Existing Wastewater System



Appendix B – Water Conservation Plan Ordinance

ORDINANCE NO. 1425

AN ORDINANCE OF THE CITY OF KYLE, TEXAS AMENDING CHAPTER 50, ARTICLE III, DIVISION II WATER USE MANAGEMENT POLICIES, OF THE CITY OF KYLE CODE OF ORDINANCES TO SELECTED SECTION 50-87 ADOPTING THE CITY'S UPDATED WATER CONSERVATION PLAN.

WHEREAS, on July 2, 2026, City staff presented a report to Council on proposed updates to the City's Water Conservation Plan and received Council's feedback; and

WHEREAS, the proposed Water Conservation Plan updates the City's long-term strategy for promoting efficient water use, reducing water loss, and ensuring sustainable water supplies to support continued growth; and

WHEREAS, the Water Conservation Plan has been developed in accordance with Texas Water Development Board and Texas Commission on Environmental Quality requirements and reflects current utility operations, conservation programs, and projected water demands; and

WHEREAS, approval of the updated Water Conservation Plan will ensure continued compliance with state regulations, support responsible stewardship of the City's water resources, and help meet future water demands while maintaining reliable service for residents and businesses.

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

Section 1. Findings of Fact. The above and foregoing recitals are hereby found to be true and correct and are incorporated herein as findings of fact.

Section 2. Amend Chapter 50, Article III, Division II Water Use Management Policies of the City of Kyle Code of Ordinances to selected section 50-87.

§ 50-87 Water conservation plan adopted.

The mayor and city council do hereby adopt and endorse the water conservation plan, a copy of which is attached to Ord. No. 1425, marked "Exhibit A" and made part of this division as if copied verbatim herein. The adopted water conservation plan hereby supersedes all previous water conservation plans adopted by the city.

(Ordinance 570, § 2, adopted 5/9/2009; Ordinance 715, § 2, adopted 11/20/2012; Amend. of 8/6/2013; Ordinance 1311, § 2, adopted 4/2/2024)

Section 3. The City Secretary is hereby authorized and directed to update the City of Kyle code to reflect the changes made in the ordinance and by proper endorsement indicate the authority for said notation. In codifying the changes authorized by this ordinance, paragraphs, sections and subsections may be renumbered and reformatted, including but not limited to the creation of new chapter(s) in the City's Code of Ordinances, as appropriate and consistent with the existing numbering and formatting of the existing ordinance.

Section 4. Repeal of Conflicting Ordinances. All ordinances or parts thereof conflicting or inconsistent with the provisions of this ordinance as adopted and amended herein, are hereby

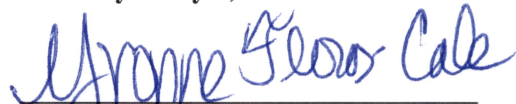
amended to the extent of such conflict. In the event of a conflict or inconsistency between this ordinance and any other code or ordinance of the City, the terms and provisions of this ordinance shall govern.

Section 5. Open Meetings. It is hereby officially found and determined that the meeting at which this ordinance is passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by law.

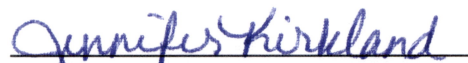
PASSED AND APPROVED on this the 18th day of August, 2026.

FINALLY PASSED AND APPROVED on this the 18th day of August, 2026.

The City of Kyle, Texas


Yvonne Flores-Cale, Mayor

ATTEST:


Jennifer Kirkland, City Secretary

Appendix C – Letter to Region L Regional Water Planning Group

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Appendix D – Drought Contingency Plan



Drought Contingency Plan

City of Kyle, Texas

September 2026



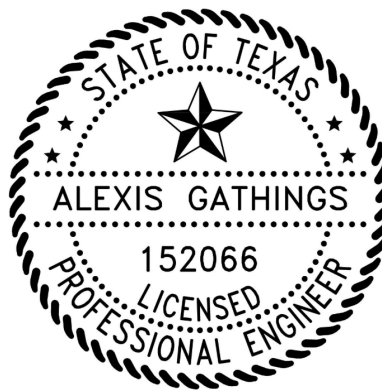
CITY OF KYLE

DROUGHT CONTINGENCY PLAN



September 2026

This Report presents the results of the study of the City of Kyle's Drought Contingency Plan and presents the criteria for initiation and termination of drought stages and drought stage responses.



Alexis Gathings

September 2, 2026
Alexis Gathings
PE No. 152066

STV Incorporated
TBPELS Registration Number F-204

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1.0 Introduction

The City of Kyle prepared this Drought Contingency Plan ("Plan") as part of its on-going efforts to maintain an adequate supply of high-quality water. This Plan will help provide the City of Kyle with an opportunity to effectively manage its water system and water resources during drought conditions in a conscientious, fair, and appropriate manner. It is not designed to punish, stigmatize, or criticize anyone as to their usage of water. The sole intent of this Plan is to help maintain an adequate supply of water during the various stages of drought conditions that may occur from time to time. The City of Kyle utilizes groundwater from the Barton Springs Edwards Aquifer Conservation District (BSEACD), the Edwards Aquifer Authority (EAA), and Alliance Regional Water Authority (ARWA) (Carrizo), and utilizes surface water obtained from the Guadalupe-Blanco River Authority (GBRA). The City of Kyle will manage these various sources of supply to maintain an adequate supply of water during drought conditions.

The City of Kyle believes that significant reductions in water usage may be achieved through voluntary efforts by customers. Voluntary reductions in water usage are encouraged at all times, but especially during pending or early drought conditions. Voluntary efforts, if sufficiently effective, may delay the need to implement more restrictive water use measures and curtailments. Should drought conditions reach more critical stages, the City of Kyle is prepared to restrict or curtail certain types of usage. The location and climate of the City of Kyle requires the need for resilience and adaptability including the implementation of drought restrictions to preserve the City's water resources. The City recognizes the importance of having plans and procedures in place to effectively respond to drought conditions, should the need arise.

2.0 Public Involvement

Opportunity for the public to provide input into Plan development was provided by the City of Kyle by means of posting along with other public notices, at Kyle City Hall; and posting on the official City of Kyle website.

3.0 Public Education

The City of Kyle will periodically provide the public with information about the Plan, 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 means of posting the Plan on the official City of Kyle internet website, social media, and making this Plan available at Kyle City Hall. The City shall also distribute this Plan as the City determines it is appropriate under the circumstances.

4.0 Coordination with Regional Water Planning Groups

The service area of the City of Kyle is located within the Region L – Regional Water Planning Group ("Region L") and the City of Kyle has provided a copy of this Plan to Region L.

5.0 Authorization

The City Manager, or his/her 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. The City Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in the Plan.

6.0 Application

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the City of Kyle. Customers may file a petition to request a variance under circumstances defined in Section 12 herein. The terms “person” and “customer” as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

7.0 Definitions

The following words, terms, and phrases, when used in this Plan, and when used in any other plan or ordinance of the City and not defined in such plan or ordinance, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning. Words used in the present tense include the future tense. Words used in the plural number include the singular, and words in the singular include the plural. For the purposes of this Plan, the following definitions shall apply:

Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using potable water supplied by the City of Kyle.

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8.

Herein: in this Plan.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

New landscape: New vegetation including, but not limited to:

- 1) installed at the time of the construction of a new house, new multifamily building, or new commercial building;
- 2) installed as part of a governmental entity's capital improvement project; or
- 3) which alters more than 25% of the area of an existing landscape.

Non-essential water use: Use of water that is not essential nor required for the protection of public, health, safety, and welfare, except otherwise provided under this Plan.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

Person: any human being or legal entity and includes a corporation, a partnership, and an incorporated or unincorporated association.

Regulations: the provisions of any applicable ordinance, rule, regulation, or policy.

Shall: mandatory.

Swimming pool: Any structure, basin, chamber, or tank including hot tubs that contains an artificial body of water for swimming, diving, or recreational bathing, and having a depth of two (2) feet or more at any point.

8.0 Compliance with Water Conservation Guidelines

The City Manager or his/her designee shall promulgate water conservation guidelines including policies for compliance by City departments and criteria for determining when the drought stages are to be implemented and terminated. The City Manager or his/her designee shall update the guidelines when, in the City Manager or his/her designee's discretion, changed conditions of the water system require the update. The guidelines shall be available for inspection at the City Administrative Offices during normal business hours.

9.0 Continuing Water Use Management and Criteria

- 1) Any person who receives water service directly or indirectly from the City shall comply with this Section and this Plan at all times, unless otherwise provided by law or authorized permit. Notwithstanding the drought stages and triggers set forth in this Plan, the City Council or City Manager or his/her designee may designate a particular stage and/or any water use restrictions as the City Council or City Manager or his/her designee determines in order to protect the City's water supply and the public health, safety, and welfare of the residents within the City. The City Manager or his/her designee shall continually monitor water supply and/or demand conditions and shall determine when the conditions warrant initiation or termination of drought stages. While the City will observe the Barton Springs Edwards Aquifer Conservation District (BSEACD), the Edwards Aquifer Authority (EAA), and the Guadalupe-Blanco River Authority (GBRA) drought stages as its trigger criteria for initiation of the drought stages of this Plan in certain circumstances, the City's criteria for the initiation and termination of drought stages shall be based on continual monitoring and management of its multiple sources of water supply.
- 2) The City will utilize its multiple sources of water supply as needed in response to water supply, demand, drought, system, and contamination conditions that may arise. The City shall implement the measures provided in this Plan as determined by the City Manager or his/her designee, to respond to situations including, but not limited to:
 - a) Reduction in available water supply up to a repeat of the drought of record;
 - b) Water production or distribution system limitations;
 - c) Supply source contamination; or
 - d) System outage due to the failure or damage of major water system components
- 3) The following actions constitute a waste of water and are prohibited at all times:

- a) Failing to repair a controllable leak, including a broken sprinkler head, a leaking valve, leaking or broken pipes, or a leaking faucet;
 - b) Operating a permanently installed irrigation system with:
 - i) A broken head;
 - ii) A head that is out of adjustment where the arc of the spray head is over a street or parking lot; or
 - iii) A head that is misting due to high water pressure;
 - c) During watering or irrigation:
 - i) Allowing water to run off property such that there is a trail of water running in the street for a distance of 50 feet or greater;
 - ii) Allowing water to pond in the street or parking lot to a depth greater than 1/4 inch;
 - iii) Watering or irrigating landscape between the hours of 10:00 a.m. and 7:00 p.m.;
 - d) Using a hose without a positive shutoff valve;
 - e) Using single-pass cooling systems in new connections;
 - f) Using non-recirculating systems in new conveyer car washes;
 - g) Using non-recirculating systems in new commercial laundry systems;
 - h) Using non-recycling decorative water fountains; or
 - i) Violating measures provided in this Plan or initiated by the City.
- 4) In order to limit the volume of water required for turf, grass areas shall be planted with drought resistant species normally grown as permanent lawns, such as Bermuda, Zoysia, Buffalo, or other similar drought resistant grasses. Grass areas may be sodded, plugged, sprigged, or seeded except that solid sod shall be used in areas subject to erosion. Grass areas must be installed on four to six inches of topsoil or other similar soil surface. This subsection applies to all zoning classifications.
- a) Other low water maintenance turf products shall be considered and may be approved by a designated City official or body on a case-by-case basis.
 - b) The requirements set forth in the most currently adopted Landscape Ordinance shall be followed.
 - c) The requirements set forth in this subsection shall not prohibit the installation or planting of any turf not described in this subsection (a "non-conforming turf") if at least 50% of the non-impervious cover area of the lot or parcel was planted with a non-conforming turf prior to September 20, 2005, and the same non-conforming turf is installed or planted.

10.0 Drought Response Criteria and Stages

The City Manager or his/her designee shall monitor water supply and/or demand conditions on a daily basis and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified “triggers” are reached.

Any individual, group, business, or corporation who receives water service directly or indirectly from the City of Kyle shall comply with this Section when any Drought Stage herein is in effect.

10.1 Drought Response Criteria

The triggering criteria described below are based on customer water consumption and water treatment plant production/distribution system capacity; however, the stated triggering criteria are not intended as an exhaustive or finite listing, and regardless of whether any stated triggering criteria are present, the City Manager or his/her designee may initiate and/or terminate each drought response stage of the plan to protect the public health, safety, and welfare and in the best interest of the City.

10.2 Drought Response Stages

The City Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in this Plan, shall determine that a mild, moderate, severe, or critical drought conditions exist and shall implement the following notification procedures:

10.3 Notification

The City Manager or his/her designee shall disseminate information about the Plan to the City’s customers, including details about the drought stage triggering criteria and the corresponding drought stage responses of the Plan for each stage. This information will be distributed through various channels, including on the City’s website, press releases, newspaper advertisements, social media posts, presentations to community organizations and neighborhood groups, meetings, and other appropriate outreach methods.

The City Manager or his/her designee shall notify directly, or cause to be notified directly, the mayor, chairperson and members of City Council, Fire Chief(s), City and/or County Emergency Management Coordinator(s), TCEQ, major and critical water users, and public facilities managers.

The City will also notify the public of upcoming drought stage changes using the same communication methods described above. The extent of these notifications will increase at each elevated drought stage. The City of Kyle Current Drought Stage and Lawn Watering Schedule can be found at [City of Kyle Current Drought Stage & Watering Restrictions](#).

10.4 Stage 1 – Water Supply Awareness and Drought Watch

10.4.1 Stage 1 Drought Watch Criteria

Requirements for initiation – Stage 1 may be implemented when any one or combination of the following conditions occur, or under the City Manager or his/her designee's discretion:

- 1) Water consumption has reached 60 percent of daily maximum production capacity averaged over three consecutive days.
- 2) GBRA declares a Stage 1 drought in accordance with their drought contingency plan;
- 3) BSEACD declares a Stage 1 drought in accordance with its drought contingency plan;
- 4) EAA declares a Stage 1 drought in accordance with their drought contingency plan;
- 5) A water quality, supply, distribution system or other emergency exists as determined by the City Manager or his/her designee.

Requirements for termination – Stage 1 of the Plan may be rescinded when the triggering criteria has been resolved, is unlikely to occur again in seven (7) days, and no other triggering criteria is likely to occur, or under the City Manager or his/her designee's discretion.

10.4.2 Stage 1 Drought Watch Responses

Target: Achieve a **Voluntary 10%** reduction in water use.

Best Management Practices for Supply Management: The City shall manage its groundwater and surface water supplies in order to best utilize its water resources in accordance with the reduction goals during the Stage 1 Drought Watch Period.

Recommended Water Use Restrictions for Reducing Demand:

- 1) The following elements are recommended during a Stage 1 Water Supply Awareness and Drought Watch status.
- 2) This subsection prescribes the requirement for manual outdoor irrigation.
 - a) Manual outdoor irrigation is recommended to be permitted from 7:00 p.m. to 10:00 a.m.:
 - i) by a handheld hose equipped with a positive shut-off nozzle or handheld bucket; and
 - ii) for property which a person obtains a variance from the City Manager or his/her designee to divide the property into sections, to be watered on different outdoor water use days.
- 3) This subsection prescribes the requirement for automatic outdoor irrigation.
 - a) Automatic outdoor irrigation schedule is recommended to be restricted to the following conditions:
 - i) Even numbered last digit of address may water on Tuesday and Friday.
 - ii) Odd numbered last digit of addresses may water on Monday and Thursday.
 - iii) No address/commercial meters may water on Wednesday and Saturday.
 - b) Automatic outdoor irrigation is permitted according to the irrigation schedule in this stage:
 - i) by automatic drip irrigation system from 7:00 p.m. to 10:00 a.m.,
 - ii) by a sprinkler or permanently installed automatic spray irrigation system from 8:00 p.m. to 5:00 a.m.; and

- iii) for property which a person obtains a variance from the City Manager or his/her designee to divide the property into sections, to be watered on different outdoor water use days.
- 4) During Stage 1 Water Supply Awareness and Drought Watch, all users are recommended to comply with the City's schedule for lawn watering, as amended by the City and within the City Manager or his/her designee's discretion to achieve the water use reduction goals in this Plan.

10.5 Stage 2 – Mild Drought Conditions

10.5.1 Stage 2 Drought Criteria

Requirements for initiation – Stage 2 may be implemented when any one or combination of the following conditions occur, or under the City Manager or his/her designee's discretion:

- 1) Water consumption has reached 70 percent of daily maximum production capacity averaged over three consecutive days.
- 2) GBRA declares a Stage 2 drought in accordance with their drought contingency plan;
- 3) BSEACD declares a Stage 1 drought in accordance with its drought contingency plan;
- 4) EAA declares a Stage 2 drought in accordance with their drought contingency plan;
- 5) A water quality, supply, distribution system or other emergency exists as determined by the City Manager or his/her designee.

Requirements for termination – Stage 2 of the Plan may be rescinded when the triggering criteria has been resolved, is unlikely to occur again in seven (7) days, and no other triggering criteria is likely to occur, or under the City Manager or his/her designee's discretion.

10.5.2 Stage 2 Drought Responses

Target: Achieve a **Mandatory 15%** reduction in water use.

Water Use Restrictions for Demand Reduction:

Permitted Activities:

- 1) The following elements are in effect during a Stage 2 Mild Drought Conditions status.
- 2) This subsection prescribes the requirement for manual outdoor irrigation.
 - a) Manual outdoor irrigation is permitted from 7:00 p.m. to 10:00 a.m.:
 - i) by a handheld hose equipped with a positive shut-off nozzle or handheld bucket;
 - ii) for property which a person obtains a variance from the City Manager or his/her designee.
- 3) This subsection prescribes the requirement for automatic outdoor irrigation.
 - a) Automatic outdoor irrigation schedule is restricted to the following conditions:
 - i) Even numbered last digit of addresses may water on Tuesday and Friday
 - ii) Odd numbered last digit of addresses may water on Monday and Thursday
 - iii) No address/commercial meters may water on Wednesday and Saturday
 - b) Automatic outdoor irrigation is permitted according to the irrigation schedule in this stage:
 - i) by automatic drip irrigation system from 7:00 p.m. to 10:00 a.m.,
 - ii) by a sprinkler or permanently installed automatic spray irrigation system from 8:00 p.m. to 5:00 a.m.; and
 - iii) for property which a person obtains a variance from the City Manager or his/her designee.

- 4) This section prescribes the requirements for water used for construction:
 - a) Construction water used for non-potable needs, including but not limited to dust suppression, equipment cleaning, and concrete mixing, shall utilize alternative sources of water such as rainwater, graywater and reclaimed water to the maximum extent available.
 - b) The City may cap (restrict or seize) withdrawals from construction meters connected to the city potable water system.
 - c) Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements set forth herein.

Prohibited Activities:

- 1) Watering on non-designated irrigation days or outside of permitted hours/methods.

10.6 Stage 3 – Moderate Drought Conditions

10.6.1 Stage 3 Drought Criteria

Requirements for initiation – Stage 3 may be implemented when any one or combination of the following conditions occur, or under the City Manager or his/her designee’s discretion:

- 1) Water consumption has reached 75 percent of daily maximum production capacity averaged over three consecutive days.
- 2) GBRA declares a Stage 3 drought in accordance with their drought contingency plan;
- 3) BSEACD declares a Stage 2 drought in accordance with its drought contingency plan;
- 4) EAA declares a Stage 3 drought in accordance with their drought contingency plan;
- 5) A water quality, supply, distribution system or other emergency exists as determined by the City Manager or his/her designee.

Requirements for termination – Stage 3 of the Plan may be rescinded when the triggering criteria has been resolved, is unlikely to occur again in seven (7) days, and no other triggering criteria is likely to occur, or under the City Manager or his/her designee’s discretion.

10.6.2 Stage 3 Drought Responses

Target: Achieve a **Mandatory 20%** reduction in water use.

Water Use Restrictions for Demand Reduction:

Permitted Activities:

- 1) The following elements are in effect during a Stage 3 Moderate Drought Conditions status.
- 2) This subsection prescribes the requirement for manual outdoor irrigation.
 - a) Manual outdoor irrigation is permitted from 7:00 p.m. to 10:00 a.m.:
 - i) by a handheld hose equipped with a positive shut-off nozzle or handheld bucket; and
 - ii) for property which a person obtains a variance from the City Manager or his/her designee.
- 3) This subsection prescribes the requirement for automatic outdoor irrigation.
 - a) Automatic outdoor irrigation schedule is restricted to the following conditions:
 - i) Last digit of addresses 0 and 1 may water on Monday
 - ii) Last digit of addresses 2 and 3 may water on Tuesday
 - iii) Last digit of addresses 4 and 5 may water on Wednesday

- iv) Last digit of addresses 6 and 7 may water on Thursday
- v) Last digit of addresses 8 and 9 may water on Friday
- vi) No address/commercial addresses may water on Saturday
- b) Automatic outdoor irrigation is permitted according to the irrigation schedule in this stage:
 - i) by automatic drip irrigation system from 7:00 p.m. to 10:00 a.m.,
 - ii) by a sprinkler or permanently installed automatic spray irrigation system from 8:00 p.m. to 5:00 a.m.; and
 - iii) for property which a person obtains a variance from the City Manager or his/her designee.
- 4) This section prescribes the requirements for water used for construction:
 - a) Construction water used for non-potable needs, including but not limited to dust suppression, equipment cleaning, and concrete mixing, shall utilize alternative sources of water such as rainwater, graywater and reclaimed water to the maximum extent available.
 - b) The City may cap (restrict or seize) withdrawals from construction meters connected to the city potable water system.
 - c) Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements set forth herein.

Prohibited Activities:

- 1) Watering on non-designated irrigation days or outside of permitted hours/methods;

10.7 Stage 4 – Severe Drought Conditions

10.7.1 Stage 4 Drought Criteria

Requirements for initiation – Stage 4 may be implemented when any one or combination of the following conditions occur, or under the City Manager or his/her designee’s discretion:

- 1) Water consumption has reached 80 percent of daily maximum production capacity averaged over three consecutive days.
- 2) GBRA declares a Stage 4 drought in accordance with their drought contingency plan;
- 3) BSEACD declares a Stage 3 drought in accordance with its drought contingency plan;
- 4) EAA declares a Stage 4 drought in accordance with their drought contingency plan;
- 5) A water quality, supply, distribution system or other emergency exists as determined by the City Manager or his/her designee.

Requirements for termination – Stage 4 of the Plan may be rescinded when the triggering criteria has been resolved, is unlikely to occur again in seven (7) days, and no other triggering criteria is likely to occur, or under the City Manager or his/her designee’s discretion.

10.7.2 Stage 4 Drought Responses

Target: Achieve a **Mandatory 25%** reduction in water use.

Water Use Restrictions for Demand Reduction:

Permitted Activities:

- 1) The following elements are in effect during a Stage 4 Severe Drought Conditions status.

- 2) This subsection prescribes the requirement for manual outdoor irrigation.
 - a) Manual outdoor irrigation is permitted from 7:00 p.m. to 10:00 a.m.:
 - i) by a handheld hose equipped with a positive shut-off nozzle or handheld bucket; and
 - ii) for property which a person obtains a variance from the City Manager or his/her designee.
- 3) This subsection prescribes the requirement for automatic outdoor irrigation.
 - a) Automatic outdoor irrigation schedule is restricted to the following conditions:
 - i) Last digit of addresses 0 and 1 may water every other Monday
 - ii) Last digit of addresses 2 and 3 may water every other Tuesday
 - iii) Last digit of addresses 4 and 5 may water every other Wednesday
 - iv) Last digit of addresses 6 and 7 may water every other Thursday
 - v) Last digit of addresses 8 and 9 may water every other Friday
 - vi) No address/commercial addresses may water every other Saturday
 - b) Automatic outdoor irrigation is permitted according to the irrigation schedule in this stage:
 - i) by automatic drip irrigation system from 7:00 p.m. to 10:00 a.m.,
 - ii) by a sprinkler or permanently installed automatic spray irrigation system from 8:00 p.m. to 5:00 a.m.; and
 - iii) for property which a person obtains a variance from the City Manager or his/her designee.
- 4) This section prescribes the requirements for water used for construction:
 - a) Construction water used for non-potable needs, including but not limited to dust suppression, equipment cleaning, and concrete mixing, shall utilize alternative sources of water such as rainwater, graywater and reclaimed water to the maximum extent available.
 - b) The City may cap (restrict or seize) withdrawals from construction meters connected to the city potable water system.
 - c) Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements set forth herein.

Prohibited Activities:

- 1) Watering on non-designated irrigation days or outside of permitted hours/methods; and
- 2) Permitting new swimming pools.

10.8 Stage 5 – Critical Drought Conditions

10.8.1 Stage 5 Drought Criteria

Requirements for initiation – Stage 5 may be implemented when any one or combination of the following conditions occur, or under the City Manager or his/her designee’s discretion:

- 1) Water consumption has reached 85 percent of daily maximum production capacity averaged over three consecutive days.
- 2) GBRA declares a Stage 5 drought in accordance with their drought contingency plan;
- 3) BSEACD declares a Stage 4 drought in accordance with its drought contingency plan;
- 4) EAA declares a Stage 5 drought in accordance with their drought contingency plan;
- 5) A water quality, supply, distribution system or other emergency exists as determined by the City Manager or his/her designee.

Requirements for termination – Stage 5 of the Plan may be rescinded when the triggering criteria has been resolved, is unlikely to occur again in seven (7) days, and no other triggering criteria is likely to occur, or under the City Manager or his/her designee’s discretion.

10.8.2 Stage 5 Drought Responses

Target: Achieve a **Mandatory 30%** reduction in water use.

Water Use Restrictions for Demand Reduction:

Permitted Activities:

- 1) The following elements are in effect during a Stage 5 Critical Drought Conditions status.
- 2) This subsection prescribes the requirement for manual outdoor irrigation.
 - a) Outdoor irrigation is permitted from 7:00 p.m. to 10:00 a.m.:
 - i) by a handheld hose equipped with a positive shut-off nozzle or handheld bucket;
 - ii) for property which a person obtains a variance from the City Manager or his/her designee.
- 3) This section prescribes the requirements for water used for construction:
 - a) Construction water used for non-potable needs, including but not limited to dust suppression, equipment cleaning, and concrete mixing, shall utilize alternative sources of water such as rainwater, graywater and reclaimed water to the maximum extent available.
 - b) The City may cap (restrict or seize) withdrawals from construction meters connected to the city potable water system.
 - c) Construction projects requiring watering for new landscaping materials shall adhere to the designated irrigation requirements set forth herein.
- 4) The City may require commercial car washes to reduce hours of operation.

Prohibited Activities:

- 1) Automatic outdoor irrigation; and
- 2) All other non-essential water use.

Non-Applicable Activities:

Stage 5 restrictions do not apply to the following:

- 1) Commercial water use by businesses dependent on water for operations.

10.8.3 Emergency Responses

In the event that water shortage conditions threaten public health, safety, and welfare, the City Manager or his/her designee is hereby authorized to allocate water. Any combination of the restrictions stated in this plan may be put in place in order to manage emergency conditions in a way that prevents any harm to public health or safety. Restrictions will be determined by the potential impact of the condition on customers. Applications for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved by the City Manager or his/her designee. The City Manager or his/her designee has authority to institute any additional restrictions not stated in this Plan if necessary to manage the impact of emergency conditions.

11.0 Enforcement

- 1) No person shall knowingly or intentionally allow the use of water from the City of Kyle 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 the City Manager, or his/her designee, in accordance with provisions of this Plan.
- 2) Any person who violates this Plan is guilty of a misdemeanor and, upon conviction shall be punished by a fine not less than one hundred dollars (\$100) and not more than five hundred dollars (\$500). Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. In the event that a person has already been convicted of a violation of this section, the fine shall be not less than \$500 nor more than \$2,000. Any offense that is limited to a fine not to exceed \$500 shall be a strict liability offense. Compliance with this plan may also be sought through injunctive relief in the district court.
- 3) The customer listed on the account is presumed to be in control of the property where a violation occurs or originates and shall be presumed to be the violator. 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.

12.0 Variances

The City Manager or his/her designee, may, in writing, grant a temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

- 1) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- 2) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the City of Kyle within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the City Manager or his/her designee, and shall include the following:

- 1) Name and address of the petitioner(s).
- 2) Purpose of water use.
- 3) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- 4) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- 5) Description of the relief requested.
- 6) Period of time for which the variance is sought.
- 7) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

8) Other pertinent information.

Variances granted by the City of Kyle shall be subject to the following conditions, unless waived or modified:

- 1) Variances granted shall include a timetable for compliance.
- 2) Variances granted shall expire when the Plan is no longer in effect unless the petitioner has failed to meet specified requirements.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.