

Water Conservation Plan

Policy No. PL009

Revision B, Effective 04-02-2024

Aqua Water Supply Corporation

415 Old Austin Hwy., P. O. Drawer P, Bastrop, Texas, 78602, (512) 303-3943

Aqua Water Supply Corporation's Water Conservation Plan for Aqua's Retail Water Certificate of Convenience and Necessity Number 10294.

Contents

1.	Purpose	3
2.	Application.....	3
3.	Definition of Terms	3
3.1	Aesthetic Water Use	3
3.2	Aqua.....	3
3.3	Aqua's System	3
3.4	Board of Directors or Board	3
3.5	Certificate of Convenience and Necessity (CCN).....	3
3.6	Commercial and Institutional Water Use	3
3.7	Conservation.....	3
3.8	Customer	3
3.9	Domestic Water Use	3
3.10	Drought Contingency Plan.....	3
3.11	Dwelling, Dwelling Unit, or Residence	4
3.12	Industrial Water Use	4
3.13	Landscape Irrigation Use.....	4
3.14	Non-Essential Water Use	4
3.15	Production and Storage Facilities	4
3.16	Service Area	4
4.	Responsibilities	5
4.1	Board of Directors.....	5
4.2	General Manager.....	5
4.3	Engineering Manager	5
5.	Water Conservation Plan	6
5.1	Declaration of Policy, Purpose, and Intent	6
5.2	Water Conservation Plan Goals and Objectives	6
5.2.1	Five Year Target for Water Savings	6
5.2.2	Ten Year Target for Water Savings.....	6
5.2.3	Methods for Water Savings Goal Implementation:.....	6
5.2.4	Measurement of Progress	7
5.3	Community Outreach and Public Education Program.....	7
5.3.1	Communication Plan Implementation:.....	7
5.3.2	Measurement of Progress:.....	8
5.4	School Conservation Program.....	8
5.4.1	In-School Program.....	8
5.4.2	Measurement of Progress	8
5.5	Aqua Water Supply Water Rate Structure.....	8
5.5.1	Standard Service	8
5.5.2	Large Volume Service	9
6.	References.....	10
7.	Revisions.....	10
Exhibit A:	Water Conservation Utility Profile.....	1
Exhibit B:	Assets	1
Exhibit C:	5- and 10-Year Goals for Water Savings	1
Exhibit D:	Resolution Approving Water Conservation Plan	1
Exhibit E:	Transmittal Letter to Region K.....	1

1. Purpose

To define a policy to ensure water use efficiency within Aqua Water Supply Corporation's operations. The Water Conservation Plan is a strategy or combination of strategies for reducing the consumption of water, reducing the loss or waste of water, improving or maintaining the efficiency in the use of water, or increasing recycling and reuse of water. The plan contains best management practice measures to try to meet the targets and goals identified within the plan.

2. Application

This policy applies apply to all persons, customers, and property utilizing water provided by Aqua Water Supply Corporation. The terms "person" and "customer" as used in the Water Conservation Plan include individuals, corporations, partnerships, associations, and all other legal entities.

3. Definition of Terms

3.1 Aesthetic Water Use

The use of water for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

3.2 Aqua

The Aqua Water Supply Corporation as represented by its Board of Directors.

3.3 Aqua's System

Aqua's production, treatment, storage facilities, and transmission facilities used to provide water service to Aqua's members and those individuals and entities contracting with Aqua.

3.4 Board of Directors or Board

The duly elected members of the Board of Directors of Aqua Water Supply Corporation.

3.5 Certificate of Convenience and Necessity (CCN)

A specified geographic area designated by the Public Utility Commission of Texas (PUC) in which the holder has the exclusive right to provide retail water service. Chapter 13 of the Texas Water Code requires a CCN holder to provide continuous and adequate service to the area within its CCN boundary.

3.6 Commercial and Institutional Water Use

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

3.7 Conservation

Those 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.

3.8 Customer

Any person, company, or organization using water supplied by Aqua WSC.

3.9 Domestic Water Use

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

3.10 Drought Contingency Plan

A strategy or combination of strategies for monitoring the progression of a drought and preparing a response to potential water supply shortages resulting from severe droughts or other water supply emergencies.

3.11 Dwelling, Dwelling Unit, or Residence

A home, house, mobile home, manufactured home, apartment unit, or any unit in a multiunit residential structure maintaining a restroom facility and area for preparation or storage of foods. A recreational vehicle that is not located in a recreational vehicle park shall be considered a dwelling under this Tariff if it is connected to an Aqua meter and is used for human habitation.

3.12 Industrial Water Use

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

3.13 Landscape Irrigation Use

The use of water 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.

3.14 Non-Essential Water Use

The use of water not essential nor required for the protection of public, health, safety, and welfare, including, but not limited to:

- a. The use of water to irrigate landscape areas including parks, athletic fields, and golf courses except as otherwise provided;
- b. The use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- c. The use of water to wash down sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- d. The use of water to wash down buildings or structures for purposes other than immediate fire protection;
- e. The use of water to flush gutters or permitting water to run or accumulate in any gutter or street;
- f. The use of water to fill, refill, or add to any indoor or outdoor swimming pools or jacuzzi-type pools;
- g. The use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- h. The failure to repair a controllable leak(s) within a reasonable period after receiving notice directing the repair of such leak(s); and
- i. The use of water from hydrants for construction purposes or any purpose other than fire-fighting.

3.15 Production and Storage Facilities

The equipment, structures, and appurtenances necessary to produce, treat, and store water from groundwater or surface water sources for delivery to General Purpose Transmission Facilities.

3.16 Service Area

That area to which Aqua may lawfully provide water service, whether within or outside the area described by the Certificate of Convenience and Necessity (CCN) held by Aqua.

4. Responsibilities

4.1 Board of Directors

Creates a statement of mission and purpose articulating the goals, means, and the constituents to be served by Aqua. Sets goals and creates policies in support of this mission and provides direction, guidance, governance, and oversight to ensure Aqua is on track with regard to meeting its goals. The Board adopts a resolution approving a Water Conservation Plan and authorizing Aqua's General Manager to implement the Water Conservation Plan.

4.2 General Manager

Executes the policies, plans, and directives of the Board of Directors to meet Aqua's goals as articulated in the mission. Assists the board in developing and disseminating policies and plans to the staff. Ensures the staff understands and executes planning directives and policies and brings staff ideas and/or concerns to the Board's attention. Implements the applicable provisions of the Water Conservation Plan.

4.3 Engineering Manager

Directs Engineering to plan, manage, direct, and coordinate engineering operations for water and wastewater treatment systems and facilities, capital improvement projects, right-of-way functions, SCADA systems, and GIS/IT systems.

5. Water Conservation Plan

5.1 Declaration of Policy, Purpose, and Intent

Aqua is required by the State of Texas to adopt and implement a water conservation plan. In 2007, the 80th Texas Legislature amended Section 13.146 of the Texas Water Code to require each retail public utility that provides potable water service to 3,300 or more connections to submit a water conservation plan to the Texas Water Development Board (TWDB). The initial plans were due on May 1, 2009. The Texas Water Code also requires the utility to report annually on the progress of the program and also review /update the plan once every five years. This plan supersedes the Aqua Water Conservation Plan of 2019.

5.2 Water Conservation Plan Goals and Objectives

In accordance with the TAC Title 31 Part 10, Chapter 363, Subchapter A, Division 2, Rule §363.15 (B), Aqua established five and ten year goals for water savings (See Exhibit C). These goals are specific and quantifiable and include goals for water loss programs in gallons per capita per day and goals for municipal use and residential use in gallons per capita per day.

Potential population growth and infrastructure improvements will be factored into the measurement of the effectiveness of these goals.

1. Reduce the water consumption from the levels that would prevail without conservation efforts.
2. Reduce the loss and waste of water
3. Improve the efficiency in the use of water.

5.2.1 Five Year Target for Water Savings

1. Reduce Total GPCD, 117 gal., consumption by 2%; to 115 GPCD.
2. Reduce the Residential GPCD, 81 by 2% , to 79 GPCD.
3. Water loss GPCD to be lowered by 3%, from 17 gpcd.to 16 GPCD.
4. Water loss to be reduced by 6 % resulting in 14% loss.

5.2.2 Ten Year Target for Water Savings

1. Reduce Total GPCD, 115 GPCD by additional 3%, resulting in 112 GPCD.
2. Reduce the Residential GPCD, 79 by 3% , to 77 GPCD.
3. Water loss GPCD to be lowered by an additional 4%, resulting in 15 GPCD.
4. Water loss to be reduced by an additional 4%, resulting in 13% loss.

5.2.3 Methods for Water Savings Goal Implementation:

1. Monitor operational flushing.
2. Control of unaccounted for water:
 - Monitor the distribution system through Aqua's SCADA.
 - All wells are metered and the meters are tested annually for accuracy.
3. System-wide water loss audits are completed monthly. Leak detection program:
 - Daily visual inspections along distribution lines.
 - Monitor SCADA for changes in tank levels and pump run times.
 - Work order system
 - a. Mobile work order system sends leak information directly to Field Personnel.
 - b. All leak work orders are prioritized.
 - c. Time taken to close leak work orders is managed monthly.

4. Notify customers when leaks are on the customer supply line.
5. Utilize 811 to reduce leaks.
6. Universal metering:
 - Production meters measure all water diverted from the source of supply.
 - Aqua meters 100% of the connections to the distribution system.
 - All meters are within an accuracy of plus or minus 5.0%.
 - Meter replacement/ Meter testing, maintain accurate metering devices:
 - a. Residential meters are replaced at 2 million gallons of usage.
 - b. Large and compound meters are on a testing schedule.
7. Record management system will track annual water use and provide information used to evaluate the implementation of conservation measures. Water sales are grouped into user classes: single-family residential, commercial, institutional, and industrial. Monthly and annual data of water pumped, water deliveries, and water losses are used to develop a monthly water loss report and an annual water audit for the distribution system.
 - Electronic meter system software is integrated with the utility customer information system. (CIS).
 - Monthly electronic meter reports are generated and used to detect illegal connections, abandon services, inaccuracies in billing, and meters in need of replacement.
 - CIS provides functions such as customer support, account management, billing, and collections.
 - Account usage adjustments are tracked and reflected in unaccounted water loss.

5.2.4 Measurement of Progress

Utilize the Texas Water Development Board Municipal Conservation Planning Tool and The Alliance for Water Efficiency Conservation Tracking Tool, which provide a standardized methodology for water savings and benefit-cost accounting and a library of pre-defined conservation activities, that will be used to:

1. Develop long range conservation plans and goals.
2. Track over time water savings, costs, and benefits of specific conservation measures.
3. Compare conservation measures for water savings, impact on costs, and potential benefits to the membership.

5.3 Community Outreach and Public Education Program

The goals and objectives of this program are to raise awareness of water supply resources, water supply availability, treatment, and distribution issues. Information will be provided on efficient use of the water supply, methods to reduce wasteful water use practices, and how conservation is important for managing the water for everyone's future.

5.3.1 Communication Plan Implementation:

1. Presentations to community and civic organizations, businesses, and HOAs.
2. Water Efficiency classes at Aqua W.S.C.
3. Public Information program utilizing social media.
4. Billing inserts for specific water conservation events.
5. Quarterly Newsletter highlighting seasonal water conservation, new technology, and water industry issues and current events.
6. Facility tours.

7. Event posters and counter handouts in the Customer Service area.
8. Participation in local events to allow Aqua WSC to have one-on-one contact with members about conservation.
9. Aqua WSC website and social media:
 - Drought status and present level of water restrictions
 - Seasonal messaging
 - Materials from various water programs promoting water efficiency (i.e. TWDB, EPA, etc.)
 - Best Management Practices for indoor and outdoor water usage

5.3.2 Measurement of Progress:

1. Number of activities and how many members attended each activity.
2. The schedule of activities and information related to promoting specific issues.
3. The number of public information materials that featured the conservation message and the method of distribution to the membership.

5.4 School Conservation Program

Students of today (water users of tomorrow) need to be educated about efficient- water use practices, water sources, water availability, and the future of potable water. The target audience includes students, teachers, and public administrators (water use in buildings and athletic fields).

5.4.1 In-School Program

1. Presentations are adaptable to any grade level.
2. The presentations offer skills that meet the Texas education standards.
3. AWWA videos and materials are incorporated into presentations.

5.4.2 Measurement of Progress

1. The number of presentations and the number of students in attendance.
2. The schools and grade levels that participate.
3. The community involvement with presentations, programs, and events. Which groups are involved and to what extent is their involvement.

5.5 Aqua Water Supply Water Rate Structure

Aqua will use non-promotional cost based water rates which do not encourage excessive use of water. Aqua states and establishes water service rates in the Aqua Water Service Tariff.

5.5.1 Standard Service

The monthly charge for Standard Service is the sum of the Monthly Customer Charge and the Usage Charge. The Usage Charge is applicable to all water that flows through the meter during the monthly billing period.

Meter Type And Size	Monthly Customer Charge	Gallons Included	Usage Charge per 1,000 Gallons - 1 to 10,000 -	Usage Charge per 1,000 Gallons - 10,001 to 20,000 -	Usage Charge per 1,000 Gallons - Over 20,001 -
5/8" Simple	\$31.60	-0-	\$4.70	\$7.30	\$8.80
3/4" Simple	\$31.60	-0-	\$4.70	\$7.30	\$8.80

1" Simple	\$31.60	-0-	\$4.70	\$7.30	\$8.80
-----------	---------	-----	--------	--------	--------

5.5.2 Large Volume Service

The monthly charge for Large Volume Service is the sum of the Monthly Customer Charge and the Usage Charge. The Usage Charge is applicable to all water that flows through the meter during the monthly billing period.

Meter Type And Size	Monthly Customer Charge	Gallons Included	Usage Charge per 1,000 Gallons
1-1/2"	\$159.50	-0-	\$6.30
2"	\$308.00	-0-	\$6.30
3"	\$715.00	-0-	\$6.30
4"	\$1,457.00	-0-	\$6.30
6"	\$3,971.00	-0-	\$6.30
8"	\$6,517.50	-0-	\$6.30

6. References

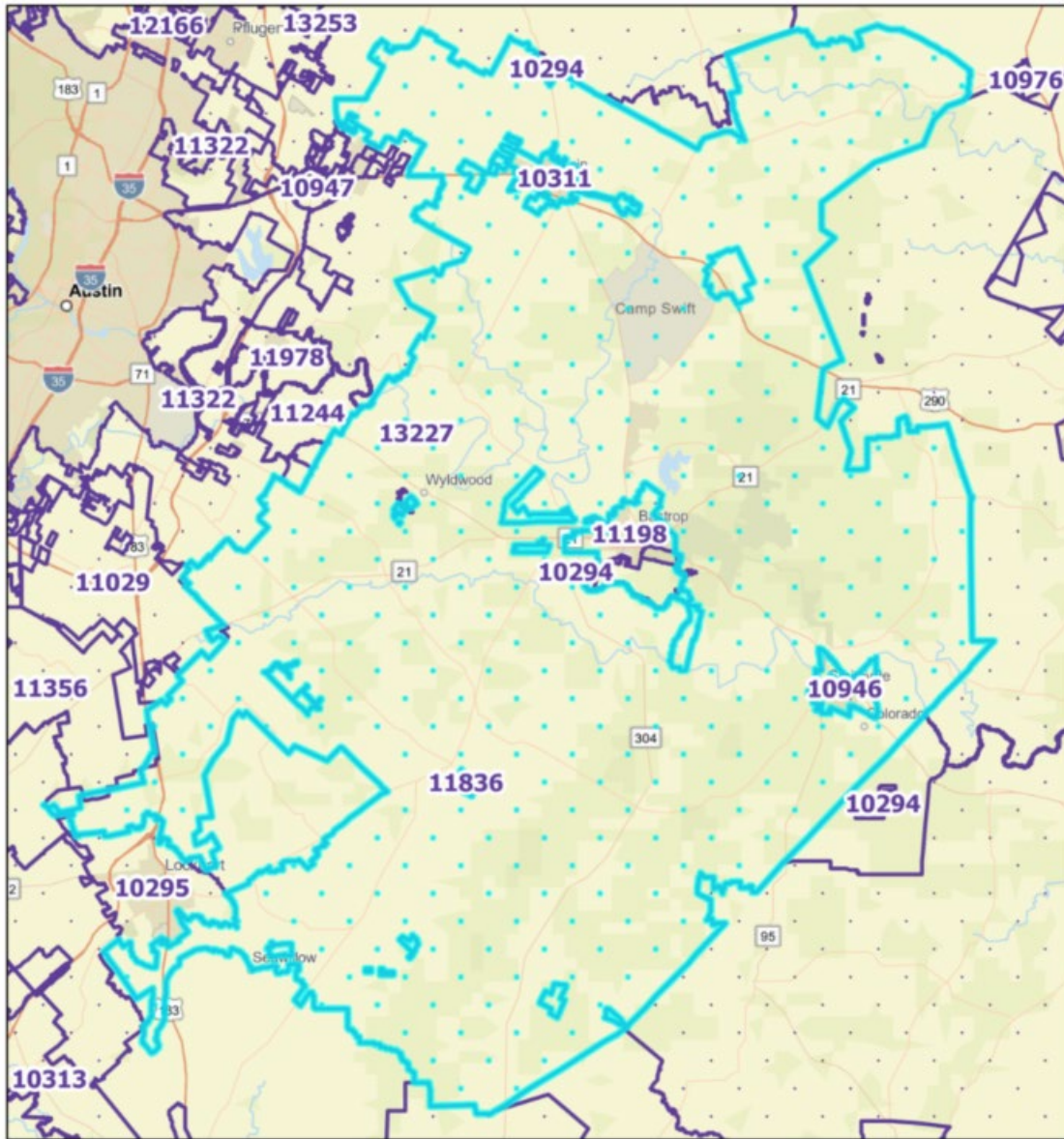
PL001	Water Service Tariff
Section 11.1272	Texas Water Code
Rule §288.20	Title 30, Texas Administrative Code, Part 1, Chapter 288, Subchapter B
Division 1, Rule §295.9	Title 30, Texas Administrative Code, Part 1, Chapter 295, Subchapter A
AWWA Manual	Water Conservation for Small and Medium Sized Utilities, (2010), 28-31

7. Revisions

Rev.	Description	Author	Effective Date
A	Initial release of Policy	Unknown	04-07-2014
B	Updates to Sections 4 and 5 and all Exhibits	Dacy Cameron	April 2024

Certificate of Convenience and Necessity (CCN)

Aqua WSC CCN No. 10294



3/25/2024, 4:50:34 PM

 Water CCN Service Areas

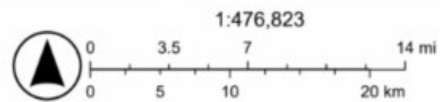


Exhibit A: Water Conservation Utility Profile

The utility profile includes the water sales and use for the following classifications: residential, commercial, institutional, industrial, agricultural, and wholesale.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: AQUA WSC

Public Water Supply Identification Number (PWS ID): TX0110013

Certificate of Convenience and Necessity (CCN) Number: 10294

Surface Water Right ID Number:

Wastewater ID Number: 20962

Contact: First Name: Cody Last Name: Boatright
Title: Water Resources Manager

Address: 415 Old Austin Hwy City: Bastrop State: TX
Zip Code: 78602 Zip+4: Email: cboatright@aquawsc.com
Telephone Number: 5125813360 Date:

Is this person the designated Conservation Coordinator? Yes No

Regional Water Planning Group: G,K,L
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. Current service area size in square miles: 2,523

Attached file(s):

File Name	File Description
Aqua CCN Map.png	

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. Historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Water Service
2023	86,811	29,322	0
2022	74,205	0	0
2021	72,054	0	0
2020	68,000	0	0
2019	64,200	0	0

3. Projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Water Service
2030	122,152	41,259	0
2040	198,972	67,207	0
2050	324,105	109,472	0
2060	527,933	178,319	0
2070	859,947	290,463	0

4. Described source(s)/method(s) for estimating current and projected populations.

Engineering projections - using a 5% compounded annual growth rate
--

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. System Input

System input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Water Produced in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2023	4,031,585,193	35,740,221	219,573,872	3,847,751,542	121
2022	3,735,744,020	26,061,933	178,579,592	3,583,226,361	132
2021	3,383,827,726	0	151,534,286	3,232,293,440	123
2020	3,283,204,727	0	180,870,000	3,102,334,727	125
2019	3,167,534,339	0	133,420,900	3,034,113,439	129
Historic Average	3,520,379,201	12,360,431	172,795,730	3,359,943,902	126

C. Water Supply System

1. Designed daily capacity of system in gallons 36,540,000

2. Storage Capacity
 - 2a. Elevated storage in gallons: 9,346,500
 - 2b. Ground storage in gallons: 6,966,000

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Projected Demands

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

Year	Population	Water Demand (gallons)
2025	95,709	3,403,338,083
2026	100,495	3,573,504,987
2027	105,519	3,752,180,237
2028	110,795	3,939,789,249
2029	116,335	4,136,778,711
2030	122,152	4,343,617,647
2031	128,259	4,560,798,529
2032	134,672	4,788,838,455
2033	141,406	5,028,280,378
2034	148,476	5,279,694,397

2. Description of source data and how projected water demands were determined.

engineering projections - 5% compounded annual growth rate
--

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. High Volume Customers

1. The annual water use for the five highest volume
RETAIL customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
Department of Justice	Institutional	86,433,983	Treated
Bastrop Resort Partners	Commercial	44,370,495	Treated
UT MD Anderson Cancer Center	Institutional	39,918,955	Treated
Bastrop Energy Partners	Industrial	13,215,920	Treated
Trinity Riverchase	Commercial	11,039,790	Treated

2. The annual water use for the five highest volume
WHOLESALE customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
Travis County MUD 14	Municipal	103,238,000	Treated
The Colony MUD	Municipal	56,883,400	Treated
Bastrop County MUD 1	Municipal	24,601,800	Treated
Creedmoor MAHA WSC	Municipal	21,983,000	Treated
City of Bastrop	Municipal	12,208,950	Treated

F. Utility Data Comment Section

Additional comments about utility data.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Section II: System Data

A. Retail Water Supplier Connections

1. List of active retail connections by major water use category.

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential - Single Family	28,936	99.01 %
Residential - Multi-Family	1	0.00 %
Industrial	1	0.00 %
Commercial	167	0.57 %
Institutional	121	0.41 %
Agricultural	0	0.00 %
Total	29,226	100.00 %

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

Net Number of New Retail Connections							
Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2023	722			21	4		747
2022	4,299			19			4,318
2021	1,013			7	2		1,022
2020	1,254			2			1,256
2019	732			9			741

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. Accounting Data

The previous five years' gallons of RETAIL water provided in each major water use category.

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2023	2,557,234,633	11,473,600	12,569,000	336,372,974	179,604,000	0	3,097,254,207
2022	2,463,375,713	0	10,856,100	385,237,758	38,643,300	0	2,898,112,871
2021	2,485,211,808	0	17,694,700	310,809,136	40,277,440	0	2,853,993,084
2020	1,945,937,532	0	12,944,200	336,854,820	24,229,930	0	2,319,966,482
2019	1,844,731,839	0	11,031,700	315,721,940	46,831,360	0	2,218,316,839

C. Residential Water Use

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

Year	Total Residential GPCD
2023	81
2022	91
2021	94
2020	78
2019	80
Historic Average	85

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Annual and Seasonal Water Use

1. The previous five years' gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	198,603,330	145,581,440	136,863,946	107,304,220	105,161,732
February	160,618,921	152,918,573	121,394,990	112,966,810	100,254,767
March	128,200,541	145,260,093	159,406,600	101,318,052	93,894,180
April	180,516,048	165,179,460	147,202,230	128,464,315	109,515,350
May	146,251,797	192,140,710	154,645,182	154,593,185	111,822,015
June	188,093,418	238,454,800	132,728,170	148,189,147	137,688,739
July	274,514,972	303,838,135	179,623,490	195,088,920	133,751,300
August	294,199,718	347,889,165	181,788,406	243,179,546	201,613,940
September	337,452,440	259,482,820	193,996,902	246,632,700	256,547,200
October	240,393,221	232,223,890	217,283,563	159,631,710	185,080,731
November	193,971,079	198,980,680	148,552,220	185,935,870	160,418,989
December	214,419,148	160,326,610	140,877,370	167,048,074	138,792,270
Total	2,557,234,633	2,542,276,376	1,914,363,069	1,950,352,549	1,734,541,213

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. The previous five years' gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Water				
	2023	2022	2021	2020	2019
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Total					

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2023	756,808,108	2,557,234,633
2022	890,182,100	2,542,276,376
2021	494,140,066	1,914,363,069
2020	586,457,613	1,950,352,549
2019	473,053,979	1,734,541,213
Average in Gallons	640,128,373.20	2,139,753,568.00

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. Water Loss

Water Loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2023	610,609,044	19	15.00 %
2022	476,935,215	18	13.00 %
2021	225,295,503	9	6.00 %
2020	645,302,020	26	22.00 %
2019	693,698,191	30	25.00 %
Average	530,367,995	20	16.20 %

F. Peak Day Use

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)
2023	7,006,122	8226175	1.1741
2022	6,965,140	9675892	1.3892
2021	5,244,830	5371087	1.0241
2020	5,343,431	6374539	1.1930
2019	4,752,167	5141891	1.0820

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	2,259,298,305	99.01 %	84.38 %
Residential - Multi-Family	2,294,720	0.00 %	0.09 %
Industrial	13,019,140	0.00 %	0.49 %
Commercial	336,999,325	0.57 %	12.59 %
Institutional	65,917,206	0.41 %	2.46 %
Agricultural	0	0.00 %	0.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

H. System Data Comment Section

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 125,000

2. List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	515		515	100.00 %
Industrial			0	0.00 %
Commercial			0	0.00 %
Institutional			0	0.00 %
Agricultural			0	0.00 %
Total	515		515	100.00 %

3. Percentage of water serviced by the wastewater system: 1.50 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

4. Number of gallons of wastewater that was treated by the utility for the previous five years.

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	2,567,208	2,479,197	2,550,185	1,887,715	2,268,731
February	2,376,122	2,409,922	2,425,413	1,760,856	1,800,568
March	2,474,934	2,401,042	2,217,189	2,086,765	1,928,106
April	2,567,523	2,204,645	2,289,476	2,239,324	2,163,301
May	2,756,099	2,454,421	2,743,132	2,714,975	2,512,682
June	2,548,188	2,298,052	2,450,088	2,272,026	2,266,440
July	2,612,231	2,445,031	2,351,660	2,294,025	2,137,614
August	0	2,531,185	2,583,364	2,266,759	2,004,254
September	0	2,411,397	2,507,171	2,268,806	2,002,799
October	0	2,427,993	2,640,175	2,142,897	1,787,085
November	0	2,448,937	2,551,390	2,073,305	1,725,071
December	0	2,830,068	2,548,371	2,209,333	1,737,793
Total	17,902,305	29,341,890	29,857,614	26,216,786	24,334,444

5. Could treated wastewater be substituted for potable water?

Yes
 No

B. Reuse Data

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

Type of Reuse	Total Annual Volume (in gallons)
On-site Irrigation	
Plant wash down	5,821,742
Chlorination/de-chlorination	1,323,871
Industrial	
Landscape irrigation (park,golf courses)	
Agricultural	
Discharge to surface water	6,998,240
Evaporation Pond	
Other	
Total	14,143,853

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Wastewater System Data Comment

Additional comments and files to support or explain wastewater system data listed below.

We no longer have a wastewater treatment plant. Sold to Corix 8/1/2023

Exhibit B: Assets

Distribution Assets

- 29,315 connections as of January, 2023
- 2,255 miles of pipe
- 40 water wells with 25,375 gallons-per-minute combined capacity
- 32 pump stations with 61,100 gallons-per-minute total capacity
- 26 pressure planes
- 14 Standpipes with 1,289,500 gallon capacity
- 23 ground storage tanks with a total capacity of 6,966,000 gallons
- 22 elevated storage tanks with a total capacity of 8,057,000 gallons
- 16,312,500 total gallons of storage

Exhibit C: 5- and 10-Year Goals for Water Savings

**WATER CONSERVATION PLAN
5- AND 10-YR GOALS FOR WATER SAVINGS**

	Historic 5yr Average	Baseline (2023)	5-yr Goal for Year 2029	10-yr Goal for Year 2034
Total GPCD	126	117	115	112
Residential GPCD	86	81	79	77
Water Loss (GPCD)	21	17	16	15
Water Loss (%)	17	15	14	13

Exhibit D: Resolution Approving Water Conservation Plan

On Monday, April 2, 2024, the Aqua Water Supply Corporation Board of Directors approved the 2024 Water Conservation Plan in a meeting posted properly in accordance with the Texas open Meetings Act and with a quorum present and voting.

RESOLUTION #24.04.01

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF AQUA WATER SUPPLY CORPORATION
ADOPTING AN UPDATED WATER CONSERVATION PLAN**

WHEREAS, Aqua Water Supply Corporation (“Aqua”) is a nonprofit water supply corporation, operating under the authority of Chapter 67 of the Texas Water Code and the holder of retail water Certificate of Convenience No. 10294 issued by the Texas Commission on Environmental Quality; and,

WHEREAS, Section 13.146 of the Texas Water Code and Chapter 288 of the Texas Administrative Code require retail public utilities who provide potable water service to 3,300 or more connections, such as Aqua, to adopt and update a water conservation plan every five years; and,

WHEREAS, Aqua adopted a water conservation plan in 2019 and needs to adopt an updated plan; and,

WHEREAS, Aqua has reviewed its water conservation plan and made the necessary revisions to update the plan; and,

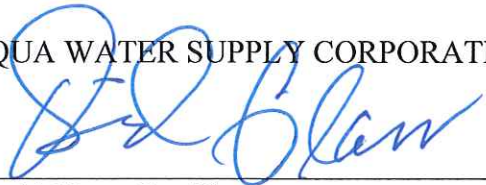
WHEREAS, Aqua is required by Texas law to submit its updated water conservation plan to the Texas Commission on Environmental Quality (“TCEQ”) and the Texas Water Development Board (“TWDB”) by May 1, 2024.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF AQUA WATER SUPPLY CORPORATION THAT:

1. The above recitals are true and correct.
2. The Board of Directors of Aqua hereby adopts an updated Water Conservation Plan attached hereto as Exhibit A.
3. The Board of Directors of Aqua hereby authorizes its President, the Aqua staff, and legal counsel for Aqua to take all necessary steps to implement the updated Water Conservation Plan and provide all necessary submissions of the Plan.

PASSED AND APPROVED this the 2nd day of April 2024.

AQUA WATER SUPPLY CORPORATION



David Glass, President

ATTEST:



William F. Tomsu, Secretary/Treasurer

**Exhibit E: Transmittal Letter to Region G
Transmittal Letter to Region K
Transmittal Letter to Region L**

April 10, 2024

David Collinsworth
General Manager
Brazos River Authority
P.O. Box 7555
Waco, Texas 76714

**RE: Aqua WSC Water Conservation Plan
Transmittal Letter to Region G**

Dear Mr. David Collinsworth,

Enclosed you will find the Aqua Water Supply Corporation 2024 Water Conservation Plan, which was approved by the Aqua WSC Board of Directors at their April 2, 2024 meeting. A copy of the resolution, whereby the Board members unanimously approved the plan, is included.

This plan fulfills the requirements in accordance with TAC Title 31 Part 10, Chapter 363, Subchapter A, Division 2, Rule §363.15 (B). Specifically, the plan addresses conservation goals and strategies for retail water and wholesale water use.

This plan replaces the Water Conservation Plan that was approved by the Aqua WSC Board of Directors in 2019.

Please contact me for any further questions or comments regarding this plan.

Sincerely,



Dacy Cameron, P.E.
General Manager
Aqua WSC

April 10, 2024

David A. Van Dresar
General Manager
Fayette County Groundwater Conservation District
255 Svoboda Lane, Room 115
La Grange, Texas 78945

**RE: Aqua WSC Water Conservation Plan
Transmittal Letter to Region K**

Dear Mr. Van Dresar,

Enclosed you will find the Aqua Water Supply Corporation 2024 Water Conservation Plan, which was approved by the Aqua WSC Board of Directors at their April 2, 2024 meeting. A copy of the resolution, whereby the Board members unanimously approved the plan, is included.

This plan fulfills the requirements in accordance with TAC Title 31 Part 10, Chapter 363, Subchapter A, Division 2, Rule §363.15 (B). Specifically, the plan addresses conservation goals and strategies for retail water and wholesale water use.

This plan replaces the Water Conservation Plan that was approved by the Aqua WSC Board of Directors in 2019.

Please contact me for any further questions or comments regarding this plan.

Sincerely,



Dacy Cameron, P.E.
General Manager
Aqua WSC

April 10, 2024

South Central Texas Regional Water
Planning Group
c/o San Antonio River Authority
100 East Guenther St.
San Antonin, Texas 78204

**RE: Aqua WSC Water Conservation Plan
Transmittal Letter to Region L**

Dear Planning Group,

Enclosed you will find the Aqua Water Supply Corporation 2024 Water Conservation Plan, which was approved by the Aqua WSC Board of Directors at their April 2, 2024 meeting. A copy of the resolution, whereby the Board members unanimously approved the plan, is included.

This plan fulfills the requirements in accordance with TAC Title 31 Part 10, Chapter 363, Subchapter A, Division 2, Rule §363.15 (B). Specifically, the plan addresses conservation goals and strategies for retail water and wholesale water use.

This plan replaces the Water Conservation Plan that was approved by the Aqua WSC Board of Directors in 2019.

Please contact me for any further questions or comments regarding this plan.

Sincerely,



Dacy Cameron, P.E.
General Manager
Aqua WSC