WATER CONSERVATION PLAN

MAY 2026

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INTRODUCTION

Manville Water Supply Corporation (Manville) developed this Water Conservation plan in an effort to conserve available water supply, protect the integrity of water supply facilities, and safeguard public health, welfare, and safety, with particular regard for domestic water use, sanitation, and fire protection. The corporation will update its educational initiatives to inform members of the reasons for and methods of water conservation.

In 2007, the Texas Legislature amended the Water Code, requiring retail utilities with 3,300 or more connections to submit a conservation plan to the TWDB by May 1, 2009. Utilities must also report annually on progress and review/update the plan every five years.

SOURCE WATER

Manville's self-supplied water comes from groundwater in the Edwards Aquifer, the Colorado River Alluvium, and the Carrizo-Wilcox Aquifer. Thirteen (13) wells are in the Edwards Aquifer, six (6) in the Colorado River Alluvium, and eleven (11) in the Carrizo-Wilcox Aquifer. The Corporation has five (5) wholesale water purchase contracts that provide both surface water (LCRA) and groundwater (Carrizo-Wilcox Aquifer). The total current water supply, from produced and purchased water, is 27.5 MGD.

SERVICE AREA

The Corporation's CCN covers approximately 250 square miles and provides service in Travis, Williamson, Bastrop, and Lee Counties. The System provides retail service to over 13,000 retail customers, with a population of approximately 47,742, which is predominantly single-family residences.

Manville supplies wholesale water to fourteen (14) entities. Each wholesale water supply agreement entered into or renewed obligates the wholesaler to implement water conservation and rationing measures that comply with Manville's standards for its retail customers.

CONSERVATION GOALS

It is the Corporation's goal to promote overall water conservation. Achieving this goal would, in effect, increase the capability of the water supply facilities.

The goal is to reduce members' total per capita water use by 5% within 5 years, from 116 GPCD to 110 GPCD, and by an additional 2% within 10 years, from 110 GPCD to 108 GPCD.

The goal is to reduce Residential per capita water use by 5% within 5 years, from 74 GPCD to 70 GPCD, and by an additional 2% within 10 years, from 70 GPCD to 68 GPCD.

These goals will serve as the basis for evaluating the effectiveness of the Water Conservation Program and will provide a guide for identifying possible modifications to better meet the Corporation’s conservation objectives.

The water loss goal is to reduce per capita water loss by 5% within 5 years, from 16 GPCD to 15 GPCD, and by an additional 5% within 10 years, from 15 GPCD to 14 GPCD.

This goal will serve as the basis for evaluating the effectiveness of the water loss reduction program.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Contact Information

Name of Utility: MANVILLE WSC

Public Water Supply Identification Number (PWS ID): TX2270033

Contact: First Name: Rexanne Last Name: Pilkenton

Title: Assistant General Manager

Address: 13805 S SH 95 City: Coupland State: TX

Zip Code: 78615 Zip+4: Email: rexannep@manvillewsc.org

Telephone Number: 5128562488 Date:

Is this person the designated Conservation Coordinator? (•) Yes ( ) No

Regional Water Planning Group: K

Groundwater Conservation District: Lost Pines GCD

Our records indicate that your entity:

☐ 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: 250

Attached file(s):

File Name	File Description
service area map.pdf	Manville WSC CCN 11144 - Service Area Map

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
2025	47,742	0	0
2024	45,132	42,483	0
2023	42,018	42,147	0
2022	39,471	40,797	0
2021	35,052	37,389	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	52,500	44,086	0
2040	58,000	45,427	0
2050	64,000	46,808	0
2060	70,500	48,231	0
2070	77,000	49,698	0

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

Projected decade population estimates based on continued moderate growth consistent with Manville's retail historical trends (4-6% per 5 year period). Wholesale decade projections estimated at 1%, with build-out by 2050.

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
2025	2,197,922,981	1,182,797,823	1,686,273,111	1,694,447,693	96
2024	2,393,822,574	1,085,706,232	1,518,503,047	1,961,025,759	117
2023	2,642,418,134	1,019,508,515	1,725,945,713	1,935,980,936	125
2022	2,322,949,502	1,286,426,105	1,781,287,153	1,828,088,454	126
2021	1,930,897,275	1,142,154,545	1,588,426,775	1,484,625,045	114
Historic 5-year Average	2,297,602,093	1,143,318,644	1,660,087,160	1,780,833,577	116

C. Water Supply System

1. Designed daily capacity of system in gallons: 27,590,000

2. Storage Capacity

2a. Elevated storage in gallons: 7,768,831

2b. Ground storage in gallons: 23,311,000

D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc. The 5 and 10 year projections must align with your 5 & 10 year targets and goals.

Year	Population	Water Demand (gallons)	GPCD
2027	93,895	3,770,000,000	110.00
2028	95,289	3,830,000,000	110.12
2029	96,706	3,885,000,000	110.06
2030	98,146	3,945,000,000	110.12

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2031	99,128	3,910,000,000	108.07
2032	100,120	3,945,000,000	107.95
2033	101,122	3,980,000,000	107.83
2034	102,133	4,025,000,000	107.97
2035	103,156	4,060,000,000	107.83
2036	104,188	4,100,000,000	107.81

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

Historical population and water demands (2021-2025).

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
The Grassdale at Manor	Residential	16,083,938	Treated
Westchester Woods	Residential	13,280,998	Treated
Skyview North	Residential	11,040,984	Treated
Bluebonnet Preserve	Residential	10,723,033	Treated
OP II ATX EAST LAKE MF	Residential	9,587,636	Treated

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

Customer	Water Use Category	Annual Water Use	Treated or Raw
WSID #3 / Mud # 22	Municipal	319,675,878	Treated
Kelly Lane WCID 1 & 2	Municipal	225,784,605	Treated
City of Pflugerville	Municipal	219,037,690	Treated
City of Hutto	Municipal	181,462,150	Treated
City of Manor	Municipal	157,987,038	Treated

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

F. Utility Data Comment Section

Additional comments about utility data.

Billing Records

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	13,075	79.64 %
Residential - Multi-Family	2,628	16.01 %
Industrial	0	0.00 %
Commercial	654	3.98 %
Institutional	0	0.00 %
Agricultural	60	0.37 %
Total	16,417	100.00 %

2. Net number of retail water supplier connections, installed and removed, by water use category per year for the previous five years.

	Net Number of Retail Water Supplier Connections						
Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2025	13,075	2,628	0	654	0	60	16,417
2024	12,649	2,235	0	626	0	56	15,566
2023	12,204	1,559	0	629	0	52	14,444
2022	11,761	1,229	0	570	0	38	13,598
2021	11,530	505	0	535	0	0	12,570

B. Annual and Seasonal Use

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

1. Gallons of RETAIL water provided to each major water use category. These volumes come from the previous five years of water use survey data. If a field is open to edit, please enter the volumes.

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2025	1,094,312,529	66,358,200	0	257,608,154	0	1,386,183	1,419,665,066
2024	1,054,755,469	51,709,799	0	250,855,429	0	1,231,955	1,358,552,652
2023	1,068,177,570	60,260,214	0	193,527,356	0	904,562	1,322,869,702
2022	1,082,029,108	36,204,470	0	209,149,770	0	14,765,575	1,342,148,923
2021	926,191,542	18,024,334	0	167,079,304	0	0	1,111,295,180

2. The gallons of water billed and metered to RETAIL customers for the previous five years. The total for each year should match the total for each year in the accounting table.

Month	Total Gallons of Treated Water				
	2025	2024	2023	2022	2021
January	93,044,258	98,023,130	83,526,091	71,887,697	65,385,843
February	79,529,384	82,908,838	77,539,987	73,588,423	84,271,051
March	101,574,135	102,744,303	84,639,478	77,494,433	72,223,104
April	117,797,893	106,953,893	97,871,572	101,648,225	93,859,585
May	125,845,423	97,189,600	91,218,282	116,722,046	79,706,294
June	111,688,901	109,790,764	125,624,899	146,807,119	94,798,610
July	123,136,332	122,549,488	157,354,321	180,580,609	97,705,980
August	137,582,660	138,743,427	174,331,080	150,303,153	118,745,549
September	160,178,033	143,524,436	147,174,364	123,481,873	135,141,785
October	155,115,086	145,977,237	105,448,242	117,401,560	101,007,451
November	118,290,484	123,697,513	91,065,114	90,588,198	90,430,270
December	95,882,477	86,450,023	87,076,272	91,645,587	78,019,658
Total	1,419,665,066	1,358,552,652	1,322,869,702	1,342,148,923	1,111,295,180

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated)	Total RETAIL (Treated)
2025	532,585,926	1,419,665,066
2024	514,608,115	1,358,552,652
2023	604,484,664	1,322,869,702
2022	601,172,754	1,342,148,923
2021	446,391,924	1,111,295,180
Average in Gallons	539,848,676.60	1,310,906,304.60

4. 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)
2025	3,889,493	4047911	1.0407
2024	3,722,062	4033518	1.0837
2023	3,624,300	4970764	1.3715
2022	3,677,120	5192292	1.4121
2021	3,044,644	3383153	1.1112

5. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	1,045,093,243	79.64 %	79.72 %
Residential - Multi-Family	46,511,403	16.01 %	3.55 %
Industrial	0	0.00 %	0.00 %
Commercial	215,644,002	3.98 %	16.45 %
Institutional	0	0.00 %	0.00 %
Agricultural	3,657,655	0.37 %	0.28 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Residential Water Use

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

Year	Total Residential GPCD
2025	69
2024	70
2023	77
2022	79
2021	74
Historic Average	74

D. Water Loss

Water loss data for the previous five years.

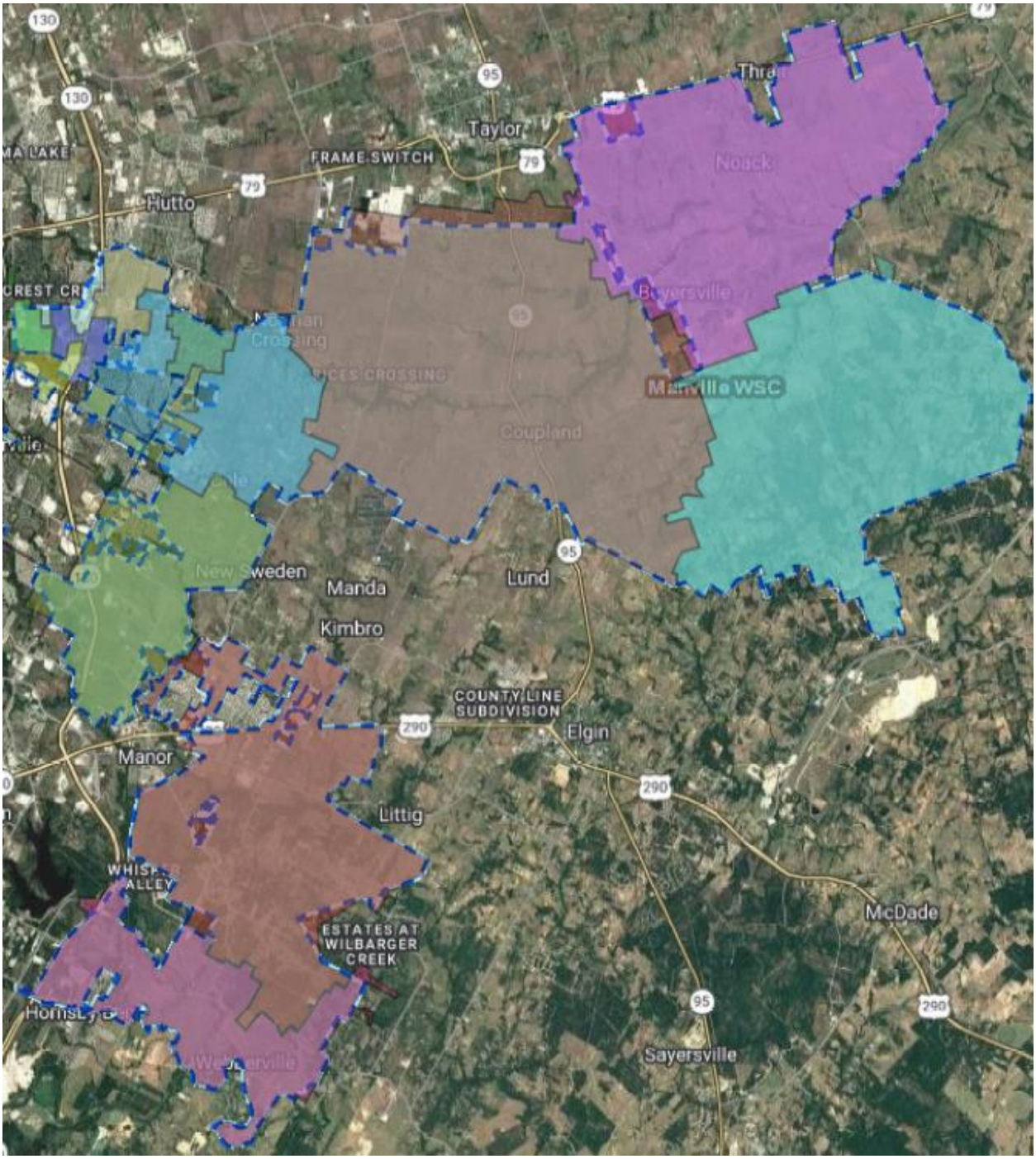
Year	Total Water Loss in Gallons	Water Loss in GPCD
2025	179,255,393	10
2024	489,179,969	30
2023	243,346,251	16
2022	189,989,468	13
2021	138,839,541	11
Average	248,122,124	16

E. System Data Comment Section

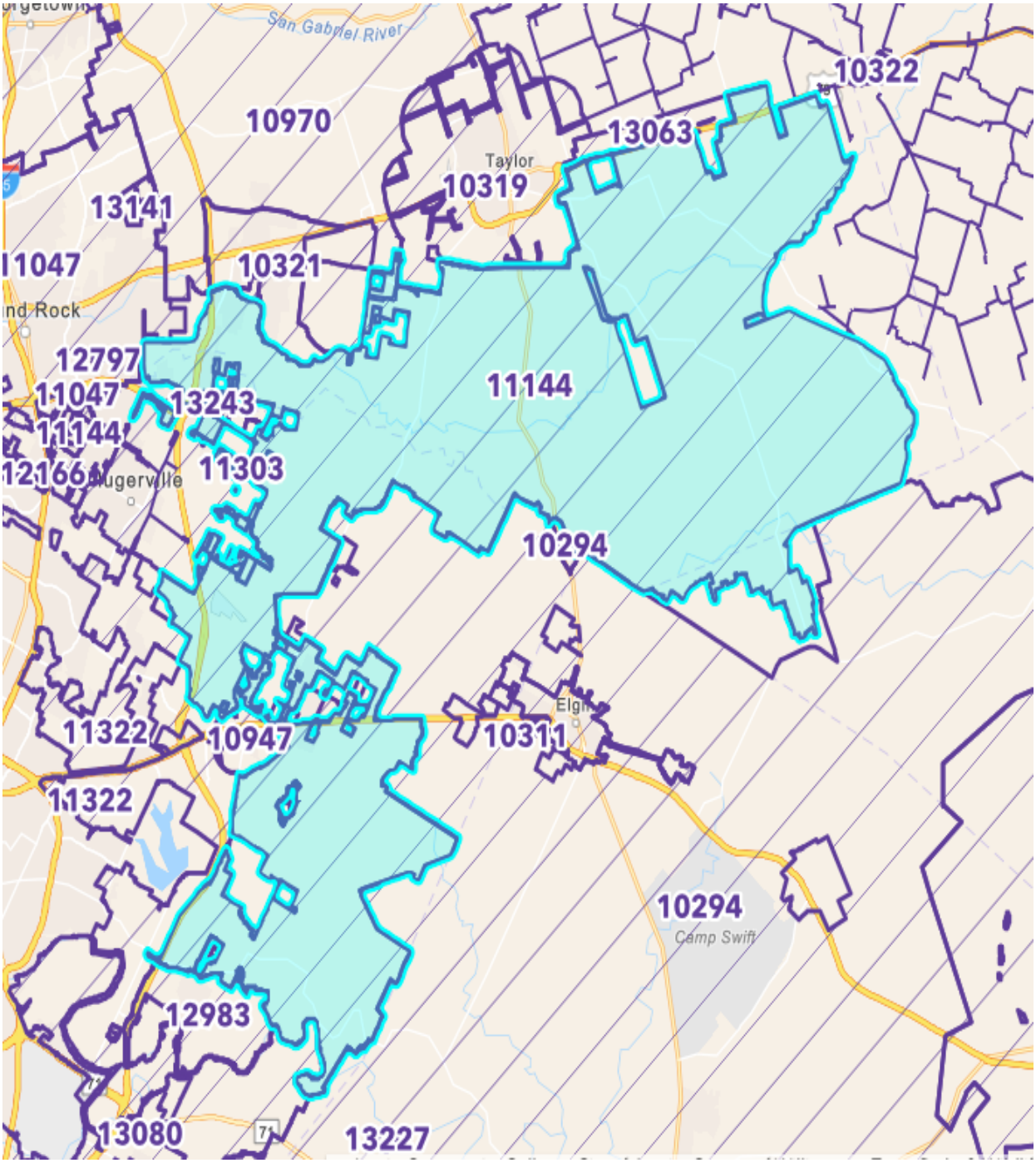
WATER CONSERVATION GOALS FOR RETAIL WATER SUPPLIER

	Historic 5 Year Average	Baseline	5-Year Goal for Year 2031	10-Year Goal for Year 2036
Total GPCD	117	116	110	108
Residential GPCD	74	74	70	68
Water Loss GPCD	24	16	15	14

MANVILLE WSC SERVICE AREA MAP



MANVILLE WSC CCN 11144 - PUC CCN MAP



CONSERVATION PROCEDURES

1. Education and Information

1.1 Manville will promote water conservation by informing the public of ways to conserve water. The following methods will be used to inform the water users and will be conducted each year.

- Provide water conservation tips at least four times a year on the monthly bill statement.
- Conservation tips are permanently posted on the website www.manvillewsc.org.
- Annual Mandatory Outdoor Water Restriction Policy (Effective May 1-Sept 30th) - Reminder Notice sent annually on bill statement, and/or by email / call out and posted on website limiting outdoor watering to 2 days per week.
- The water conservation and drought contingency plans are posted on the Manville website for public access.
- Quarterly Members Newsletter highlights water conservation.

1.2 The Corporation is developing various methods to ensure a successful water conservation program.

1.2.1 Suggestions for saving water indoors and outdoors.

Bathroom

- Install high-efficiency toilets, aerators on bathroom faucets, and water-efficient shower heads.
- Take a shower instead of taking a bath.
- Install a low-flow shower head that restricts the quantity of flow at 60 psi to no more than 3.0 gallons per minute.
- Shorten your shower by a minute or two and save up to 150 gallons per month.
- Reduce the level of water in a bathtub by one or two inches
- Turn water off while brushing teeth.
- Shampoo hair while showering.
- When shaving, fill the lavatory basin with water instead of letting the water run continuously.
- Test toilets for leaks. To test for a leak, a few drops of food coloring can be added to the tank water. If the coloring appears in the bowl within a few minutes, the fixture needs adjustment or repair.
- Install a new low-volume flush toilet that uses 3.5 gallons or less per flush when building a new home or remodeling a bathroom.

Kitchen / Laundry

- Never run the dishwasher without a full load.
- Keep a container of drinking water in the refrigerator.
- Use a small pan of cold water when cleaning vegetables rather than letting the faucet run.
- Don't use running water to thaw food. Defrost food in the refrigerator.

- Only run the washing machine when it is fully loaded to maximize water efficiency.
- When doing laundry, match the water level to the size of the load.
- Avoid the extra rinse cycle unless necessary, as most modern detergents do not require it.
- Choose the shortest or most efficient cycle for the soil level.
- Check for leaky faucets and always keep water conservation in mind.

Out-of-Door Use

- Check for water leakage between the water meter and the house. To check, all indoor and outdoor faucets should be turned off, and the water meter should be checked. If it continues to run or turn, a leak probably exists and needs to be located.
- Plant drought-tolerant plants, shrubs, and grasses when landscaping.
- Replace your grass/turf with water-wise plants.
- Collecting and using rainwater for landscape plants.
- Inspect your irrigation system regularly for leaks or broken sprinkler heads and adjust pressures to specification.
- Water lawns early in the morning during the hotter summer months.
- Use a sprinkler that produces large drops of water rather than a fine mist to reduce evaporation.
- Use soaker hoses or drip systems to avoid evaporation.
- Water slowly for better absorption, and never water in high winds.
- Water the lawn only when necessary (an inch of water applied every 5 to 7 days will keep most Texas grasses alive and healthy.
- Do not scalp lawns when mowing during hot weather. Taller grass holds moisture better.
- Do not “sweep” walks and driveways with water.

2. Plumbing Codes

2.1 Manville does not have the authority to govern the installation of plumbing facilities. The Corporation does encourage the installation of plumbing fixtures that promote water conservation.

3. Retrofit Program

3.1 Customers in existing buildings without water-saving devices will be encouraged to replace their old plumbing fixtures. The program will help inform them of the advantages of installing water saving devises.

4. Water Rate Structures

4.1 Manville’s water rate structure is an inclining block rate that encourages water conservation, with an additional “drought” rate when the corporation implements Stage 3 or higher water restrictions per its Drought Contingency Plan (DCP).

5. Metering

5.1 Manville currently meters 100% of the water used. The Corporation has a policy of testing a meter that appears to have abnormally high or low water usage. The Water Conservation Plan incorporates the Corporation's current meter accuracy testing, as follows:

a) Production meters - test once a year.

b) Wholesale meters – test twice a year.

c) Meters larger than 3"- test once a year.

d) Meters 2" and smaller - test every ten years or as warranted.

6. Water Conservation Landscaping

6.1 Manville does not have the authority to establish subdivision regulations. However, the Corporation's development, non-standard service agreement requires the use of conservation-oriented fixtures and devices and encourages the selection of drought-tolerant grasses and landscaping vegetation on lots to minimize the need for landscape irrigation, in accordance with the Corporation’s requirements.

7. Leak Detection and Repair

7.1 The Corporation has a leak detection program that will be maintained. The program includes:

a) Monthly water use monitoring by the billing department, which identifies high water use after the service meters, including leaks.

b) Automated meter reading (AMR) meters.

c) Monitoring the distribution system through MWSC SCADA.

SCADA-Based Tank Level Monitoring and Alarm System

- Provides protection against tank overflows.
- Minimizes real water losses associated with uncontrolled discharges.
- Provides proactive loss prevention.
- Monitor for changes in tank levels and pump run times, which identify major water main breaks.

d) Leak detection through daily visual inspections of distribution lines by staff.

e) After-hours service to report leaks 24/7.

f) Maintenance staff available to repair leaks on a 24-hour basis.

g) Monitoring operational flushing.

h) Participating in the Texas 811 program to mitigate water loss and infrastructure damage caused by excavation.

8. Implementation and Enforcement

8.1 The Water Conservation Plan will be implemented and enforced by the following methods:

a) Water Conservation Plan placed on Manville's website, available 24/7
b) Conservation tips provided to customers on bill statements and the website.
c) Promotion of water-efficient fixtures and landscaping for existing and new development.
d) Installing and maintaining accurate meters for all customers (AMR).
e) Proactive replacement of aging water lines.
f) Active leak detection.
g) Monthly water audits to compare water produced with water consumed.
h) Annual Mandatory Outdoor Water Restriction Policy (May 1st – Sept 30th)
i) Enforcement of designated landscape watering days and times.
j) Conservation-oriented water rates to incentivize reduced usage.
k) Disconnect policy for non-payment or violation of water restrictions.

9. Conservation Plan Annual Report

9.1 Manville will prepare and submit a yearly conservation report to TWDB via its online portal. The Corporation's General Manager will present this report to the Board of Directors, highlighting the progress and effectiveness of the water conservation efforts.

RATE STRUCTURE

MANVILLE WATER SUPPLY CORPORATION

Residential & Commercial

METER SIZES AND COST **Effective April 1, 2025**

Meter Size	Capital Recovery Fee	Membership Fee	Meter and Installation Fee	Inspection Fee	New Meter Total *	*Monthly Base Rate*
5/8"	$ 12,071.00	$ 100.00	$ 1,625.00	$ 75.00	**$ 13,871.00**	*$40.00*
3/4"	$ 18,106.50	$ 100.00	$ 1,860.00	$ 75.00	**$ 20,141.50**	*$60.01*
1"	$ 24,142.00	$ 100.00	$ 1,955.00	$ 75.00	**$ 26,272.00**	*$100.01*

* Additional charges may apply.

Effective April 1, 2025

CONSERVATION RATE	**DROUGHT RATE**	
Cost per thousand gallons	*Cost during Mandatory Water Restrictions*	
	Stage 3	***Stage 4***
• 0 to 6,000 gallons - $ 4.50	$ 4.50	$ 4.50
• 6,001 to 10,000 gallons - $ 5.63	$ 6.63	$ 7.63
• 10,001 to 20,000 gallons - $ 7.04	$ 8.04	$ 9.04
• 20,001 to 30,000 gallons - $ 8.45	$ 9.45	$10.45
• 30,001 gallons and over - $ 9.97	$10.97	$13.97

PUBLIC INVOLVEMENT / RESPONSIBILITIES

A. PUBLIC MEETINGS

Manville holds regular Board meetings on the third Thursday of each month at the Corporation's office in Coupland. These meetings are open to the public, and all individuals are welcome to address the Board. During these sessions, the Board considers public concerns, which inform its decision-making process.

B. RESPONSIBILITIES

- The Board of Directors adopted a resolution approving the Water Conservation Plan and authorizing Manville's General Manager to implement the plan.
- The General Manager, acting on behalf of the Corporation, administers conservation policies and evaluates trigger conditions established and approved by the Board of Directors.
- The Corporation has a designated Conservation Coordinator who oversees conservation initiatives, manages and implements water conservation and drought contingency plans, and ensures regulatory compliance by preparing and submitting annual conservation status reports and five-year plan updates.

BOARD RESOLUTION

MANVILLE WATER SUPPLY CORPORATION

A RESOLUTION OF THE BOARD OF DIRECTORS ADOPTING A WATER CONSERVATION PLAN

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

ITEM 1. The Water Conservation Plan attached hereto is hereby adopted as the official policy of Manville Water Supply Corporation.

ITEM 2. The General Manager is hereby directed to administer the Water Conservation Plan.

ITEM 3. The resolution shall take effect immediately upon its passage.

APPROVED and EFFECTIVE this 16th day of April 2026.

Jack Atterstrom, President, Board of Directors

ATTEST:

Rexanne Pilkenton,
Assistant General Manager