Creedmoor Maha Water Supply Corporation

WATER CONSERVATION PLAN

April 2024—March 2029

In accordance with Texas Administrative Code - 30 TAC §288.2 and 31 TAC §363.15

FINAL

WATER CONSERVATION PLAN

CREEDMOOR MAHA WATER SUPPLY CORPORATION
CCN# 11029
PWS# 2270008

April 2024

Prepared by:
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TABLE OF CONTENTS

SECTION **PAGE**

1.0 INTRODUCTION

The Creedmoor Maha Water Supply Corporation recognizes the importance of conserving the available water supply and protecting the integrity of water supply facilities. This is particularly vital for ensuring domestic water use, sanitation, and fire protection. Additionally, it is important to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions.

The Creedmoor Maha Water Supply Corporation (CMWSC) has developed this Water Conservation Plan (WCP) in accordance with 30 TAC §288.2 and 31 TAC §363.15 to ensure the preservation of water availability during emergency conditions.

2.0 WATER CONSERVATION PLAN

The primary goal of the Water Conservation Plan is to reduce water use in response to emergency conditions so that the water availability can be preserved. Since emergency conditions can occur rapidly, responses must also be enacted quickly. To achieve this, the plan has been developed, keeping in mind the conditions that will trigger and terminate the rationing program.

CMWSC has adopted the following priorities in the distribution of available water resources:

1) Domestic indoor water usage only for drinking, bathing, cooking, hygiene, etc.
2) The above (domestic indoor water usage) plus livestock, domesticated animals, and irrigated agricultural fields/tree farms.
3) The above plus a reasonable amount of outdoor usage, such as car washing, water house foundations, and drip or leaky pipe irrigation systems.
4) The above plus spray irrigation of lawns and residential yards not to exceed one-third acre.
5) The above plus spray irrigation of commercial properties, ball fields, parks, and residential yards exceeding one-third acre.

The Water Conservation Plan shall apply to all individuals, corporations, partnerships, associations, and other legal entities, as well as all properties and customers utilizing water provided by CMWSC. The Conservation Coordinator, or designee, of CMWSC 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.

CMWSC has established 5- and 10-year goals for water conservation in accordance with 31 TAC §363.15(B):

CMWSC WATER CONSERVATION PLAN
5- AND 10- YEAR GOALS FOR WATER SAVINGS

	Historic 5 Year Average	**Baseline**	**5 Year Goal for Year 2028**	**10 Year Goal for Year 2033**
Total GPCD	83	83	81	80
Residential GPCD	58	58	56	55
Water Loss (GPCD)	9	9	8	7
Water Loss (%)	11%	11%	10%	9%

Notes: GPCD = Gallons per capita per day
Historic 5- Year Average based on calendar years 2019-2023

2.1 METHODS FOR WATER SAVINGS GOAL IMPLEMENTATION

CMWSC has implemented the following procedures to achieve the 5- and 10-year goals listed above:

1) Monitor operational flushing.
2) Control of unaccounted for water, including:
    a. Monitoring the distribution system through CMWSC's SCADA system.
    b. Annual accuracy tests of each water well meter (each of CMWSC's production wells is metered).
3) Implementation of a Leak Detection System, including:
    a. Weekly visual inspections along distribution lines.
    b. Daily monitoring the SCADA system for changes in tank levels.
    c. Prioritizing leak response work orders.
    d. Incentivizing leak reports.
    e. Notifying customers when leaks discovered by CMWSC are on the customer supply line.
4) Universal metering:
    a. Production meters measure water supply.
    b. CMWSC meters 100% of the connections to the distribution system.
    c. CMWSC regularly replaces and/or tests meters to ensure they are accurate.

d. CMWSC's goal is to maintain all meters within an accuracy of plus or minus 5%.
e. Residential meters are generally replaced after 15 years of use.
f. Large and compound meters are tested regularly and replaced on an as needed basis.

5) The 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 an annual water audit for the distribution system.
    a. Electronic meter system software is integrated with the utility customer information and billing system.
    b. Monthly electronic meter reports are generated and used to detect illegal connections, abandoned services, inaccuracies in billing, and meters in need of replacement.
    c. The utility customer information and billing system provides functions such as customer support, account management, billing, and collections.
    d. Account usage adjustments are tracked and reflected in unaccounted water loss.

2.2 MEASUREMENT OF PROGRESS

CMWSC will utilize the Alliance for Water Efficiency Conservation Tracking Tool to monitor and document conservation activities. This tool provides a standardized approach to track water savings and benefit-cost accounting and also offers a comprehensive library of predefined conservation activities. The Conservation Tracking Tool will aid CMWSC in the following ways:

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.

3.0 COMMUNITY OUTREACH/PUBLIC EDUCATION

CMWSC will implement Community Outreach and Public Education programs that aim to increase awareness of water supply resources, water supply availability, treatment, and distribution issues. These programs will also provide information on how to use water efficiently, reduce wasteful water consumption, and explain how conservation plays an important role in managing water resources for the future. By educating the public on these issues, CMWSC hopes to promote

a better understanding of the importance of responsible water use and encourage individuals to take action towards sustainable water management practices.

CMWSC has various methods to communicate and educate the public about water conservation, which include:

1) Presentations to community and civic organizations, businesses, and HOAs.
2) Water efficiency informative brochures made available by CMWSC.
3) Running a public information program utilizing social media platforms.
4) Including billing inserts for specific water conservation events.
5) Distributing a Quarterly Newsletter that highlights seasonal water conservation tips, new technology, and water industry issues and current events.

Moreover, CMWSC will convey messages related to water conservation on their website such as the current drought status, water restrictions, seasonal messaging, materials promoting water efficiency under the EPA Water Sense program, and Best Management Practices for indoor and outdoor water usage.

4.0 LANDSCAPE CONSERVATION

CMWSC is committed to water conservation and will provide its members with literature on how to operate and maintain efficient irrigation systems to conserve water. Additionally, information on client-appropriate landscape design will also be provided.

In the future, CMWSC may offer landscape irrigation audits, which will be conducted by a Texas licensed irrigator. The audits will consider site conditions, identify system improvements, and provide a seasonal irrigation schedule that demonstrates the water savings achievable by using the new water-efficient schedule.

5.0 CMWSC RATE STRUCTURE

CMWSC has established and will continue to maintain non-promotional cost-based water rates that discourage excessive water usage. Moreover, as outlined in the Tariff, CMWSC may impose penalties for non-compliance with water conservation practices to ensure that customers comply with the conservation policies. The Rate Table is included in Attachment B.

6.0 CMWSC Drought Contingency Plan

6.1 DECLARATION OF POLICY, PURPOSE, AND INTENT

During times of extreme drought, extended periods of high water usage, contamination of the system, or when there is a reduction in the ability to supply water due to equipment failure, temporary restrictions may be implemented to limit nonessential water usage. The primary objective of the Drought Contingency Plan is to encourage customers to conserve water in order to ensure the continued availability of water for critical needs such as supply, storage, or maintaining water pressure. Additionally, these measures may be taken to comply with regulations imposed by a court, government agency, or other authority.

6.2 PUBLIC EDUCATION

Creedmoor Maha Water Supply Corporation (CMWSC) is committed to keeping the public informed about the Drought Contingency Plan. This will include periodic updates on the conditions that would trigger each stage of the Plan, as well as the specific measures that will be implemented in response to each stage. CMWSC will also make an effort to communicate this information to their customers through email notifications.

6.3 COORDINATION WITH REGIONAL WATER PLANNING GROUPS

CMWSC is primarily located within the Region K Water Planning Group. A copy of this Plan has been provided to Barton Springs.

6.4 NOTICE REQUIREMENTS

Prior to implementing or terminating each stage of the water restriction program, CMWSC will provide written notice to every customer. In cases where notice is mailed, it must be provided at least 72 hours prior to the start of the water restriction. However, if notice is hand-delivered, CMWSC cannot enforce the provisions of the plan for 24 hours after notice is provided. The written notice provided to customers will contain the following information:1) The date restrictions will begin;

2) The circumstances that triggered the restrictions;

3) The stages of response and explanation of the restrictions to be implemented; and

4) An explanation of the consequences for violations.

Before implementing Stage II, CMWSC is required to notify the TCEQ by phone at 512-239-4691 or by email at watermon@tceq.state.tx.us. Additionally, CMWSC must provide written notification to the Public Drinking Water Section at MC-155, P.O. Box 13087, Austin, Texas 78711-3087 within five (5) working days of implementing Stage II, and include a copy of the utility's restriction notice. Furthermore, CMWSC is obligated to file a status report of its restriction program with the TCEQ both at the start and end of mandatory water use restrictions, such as those in Stages II, III and IV.

6.5 VIOLATIONS

Section G, Subsection 24 of the Tariff, relating to penalties for violation of water conservation practices:

"24. Penalties for violation of Water Conservation Practices. House Bill 1152 (78 Legislature Regular Session, 2003) empowered water supply corporations to enforce Customer water conservation practices by assessing reasonable penalties under the utilities' tariffs. Pursuant to this bill, the Corporation adopts the following penalties for violations of noticed water conservation practices and water rationing restrictions.

A violation has occurred if a member exceeds his or her previous year's twelve (12) month average monthly water usage by thirty percent (30%) or more in a single billing cycle during Stage II through IV droughts as determined by the Barton Springs/Edwards Aquifer Conservation District.

Each time all involuntary water use restrictions are lifted, a new cycle begins, and each Customer has a violation count of zero (0).

The penalty structure is as follows:

First Violation: Written warning will be sent by the Corporation to the violating property owner and to the member. Warning will include: 1) an explanation describing the violation; 2) the requirements for compliance; and 3) a description of the penalties for failure to comply.

Second Violation: Up to $100.00 penalty.

Each Subsequent Violation: Up to $100.00 plus an additional penalty in an amount equal to the water usage rate calculated at the maximum rate for the highest water usage.

For Example: If a member's previous calendar year's average monthly water use was 5,000 gallons/month, a violation would occur if that member's one-month water usage exceeded 6,500

gallons. If that member committed a third violation in that same declared drought condition period, the penalty for that violation would be up to $100 plus $22.90 per 1,000 gallons in excess of 6,500 gallons.

6.6 EXEMPTIONS OR VARIANCES

Water use restrictions will be automatically waived during emergencies that pose a risk to human life or during firefighting operations. CMWSC may approve exemptions or variances from the drought contingency plan for good cause, upon receipt of a written request from a customer. In cases where a customer is denied an exemption or variance, they have the option to appeal the decision of the utility in writing to the Texas Commission on Environmental Quality. CMWSC is committed to treating all its members equally when considering exemption and variance requests, and will not discriminate in its approval process. Additionally, no exemption or variance will be retroactive, nor will it justify any violation of the Drought Contingency Plan that occurred prior to the issuance of the variance.

6.7 RESPONSE STAGES AND TRIGGERS

CMWSC will declare Stage I restrictions unless there is an immediate and extreme reduction in water production, or another compelling reason to declare an emergency or severe condition. If, after a reasonable period of time, the demand for water is not sufficiently reduced to alleviate outages, reduce the risk of outages, or comply with restrictions required by a court, government agency or other authority, CMWSC may implement Stage II restrictions. If necessary, Stage III and IV may be implemented following Stage II.

6.8 CUSTOMER AWARENESS & VOLUNTARY WATER CONSERVATION

During a voluntary water conservation period, CMWSC will promote customer awareness and encourage a 10% reduction in daily water use compared to baseline conditions. CMWSC will initiate Voluntary Water Conservation if those conditions are declared by the Barton Springs/Edwards Aquifer Conservation District, Austin, or Aqua Water Supply Corporation. During periods of Voluntary Water Conservation, CMWSC will request that customers limit their use of water for nonessential purposes voluntarily and practice water conservation.

6.9 DROUGHT RESPONSE STAGES

CMWSC obtains its water from two sources/providers, including AQUA and the City of Austin. During times of drought, CMWSC will monitor the drought status of its water suppliers to determine when a drought stage must be declared.

STAGE I – MODERATE WATER SHORTAGE CONDITIONS

Target:

Achieve a ten percent (10%) reduction in total water use.

Requirements of Initiation:

Stage I will be initiated when one or more of the following conditions exist:

1. Alarm Stage pumpage reductions are ordered by the Barton Springs/Edwards Aquifer Conservation District, the City of Austin Water Utility, or Aqua Water Supply Corporation.
2. Water consumption has reached 80 % of daily maximum supply for three (3) consecutive days.
3. Water supply is reduced to a level that is only 20% greater than the average consumption for the previous month.
4. There is an extended period (at least eight (8) weeks) of low rainfall and daily use has risen 20 percent above the use for the same period during the previous year.

Requirements of Termination:

Stage I will be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of seven (7) consecutive days.

Utility Measures:

CMWSC will take the following measures when Stage I is declared:

1. Upon initiation and termination of Stage I, CMWSC will mail a public announcement to its customers and post the announcement on its website.
2. CMWSC will inform TCEQ of its implementation and termination of Stage I.
3. CMWSC will monitor and report pumpage as required by its providers.
4. CMWSC will visually inspect lines and repair leaks regularly.
5. CMWSC will complete a monthly review of customer use records and follow up on any customers that have unusually high usage.
6. Water main flushing will be reduced or discontinued.

Water Use Restrictions:

1. Water customers are requested to voluntarily limit the irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems to twice a week before

10:00 AM and after 8:00 PM. Customers are requested to limit outdoor water use to Mondays and Thursdays for water customers with a street address ending in an even number and Tuesdays and Fridays for water customers with a street address ending in an odd number. Irrigation by means of a hand-held hose, a faucet-filled bucket or watering can of five (5) gallons or less, or drip irrigation system is allowed at any time.

2. Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
3. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on the aforementioned designated watering days before 10:00 AM or after 8:00 PM. Such washing, when allowed, shall be done with a hand-held bucket or hand-held hose equipped with a positive shutoff nozzle for quick rinses. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public are contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables. Car wash fundraisers are only permitted at commercial car wash facilities.
4. All non-public swimming pools must have a minimum of 25% of the surface area covered with evaporation screens when not in use.
5. The following uses of water are defined as nonessential and are prohibited:
    a. Wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
    b. Use of water to wash down buildings or structures for purposes other than immediate fire protection;
    c. Use of water for dust control;
    d. Flushing gutters or permitting water to run or accumulate in any gutter or street;
    e. Failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
    f. Any waste of water

STAGE II – SEVERE WATER SHORTAGE CONDITIONS

Target:

Achieve a twenty percent (20%) reduction in total water use.

Requirements of Initiation:

Stage I will be initiated when one or more of the following conditions exist:

1. Any of CMWSC's water providers-initiated Stage II of their Drought Contingency Plan.
2. Water consumption has reached 90 % of daily maximum supply for three (3) consecutive days.
3. Water supply is reduced to a level that is only 20% greater than the average consumption for the previous month.

Requirements of Termination:

Stage II may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of seven (7) consecutive days. Upon termination of Stage II, Stage I becomes operational.

Utility Measures:

CMWSC will take the following measures when Stage II is declared:

1. Upon initiation and termination of Stage II, CMWSC will mail a public announcement to its customers and post the announcement on its website.
2. CMWSC will inform TCEQ of its implementation and termination of Stage II.
3. CMWSC will monitors and report pumpage as required by its water providers.
4. Continuing with Stage I measures, CMWSC will visually inspect lines and repair leaks regularly.
5. CMWSC will continue to monitor customers' water and follow up on any customers that have unusually high usage.
6. Flushing is prohibited except for dead-end mains.

Water Use Restrictions:

In addition to Stage I restrictions, the following water use restrictions shall apply to all customers:

1. Water customers are *required* to limit the irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems to twice a week before 10:00 AM

and after 8:00 PM. Customers are *required* to limit outdoor water use to Mondays and Thursdays for water customers with a street address ending in an even number and Tuesdays and Fridays for water customers with a street address ending in an odd number. Irrigation by means of a hand-held hose, a faucet-filled bucket or watering can of five (5) gallons or less, or drip irrigation system is allowed at any time.

2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on the aforementioned designated watering days before 10:00 AM or after 8:00 PM.
3. Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or a Jacuzzi-type pool is only allowed on designated watering days before 10:00 AM and after 8:00 PM and only if at least 30% of the water is obtained from a source other than the Edwards Aquifer. In addition, all non-public swimming pools must have a minimum of 25% of the surface area covered with evaporation screens when not in use.
4. Use of water from hydrants or flush valves shall be limited to maintaining public health, safety, and welfare.
5. Athletic fields must reduce water use by an additional 5% from Stage I. Conforming golf courses shall affect a 5% reduction of evapotranspiration rate. Non-conforming golf courses shall use no more than 2 times their basic usage. Reduced irrigation times also apply.

STAGE III – CRITICAL WATER SHORTAGE CONDITIONS

Target:

Achieve a thirty percent (30%) reduction in total water use.

Requirements of Initiation:

Stage III will be initiated when one or more of the following conditions exist:

1. Any of CMWSC's water providers-initiated Stage III of their Drought Contingency Plan.
2. Water consumption has reached 95 % of daily maximum supply for three (3) consecutive days.

3. Water consumption of 100 % of the maximum available and the water storage levels in the system drop during one 24-hour period.
4. The water level in any of the storage tanks cannot be replenished for five (5) consecutive days.

Requirements of Termination:

Stage III will be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of seven (7) consecutive days. Upon termination of Stage III. Stage II becomes operational.

Utility Measures:

CMWSC will take the following measures when Stage III is declared:

1. Upon initiation and termination of Stage III, CMWSC will mail a public announcement to its customers and post the announcement on its website. The announcement shall include a notice that the water supply may be in peril.
2. CMWSC will inform TCEQ of its implementation and termination of Stage III.
3. CMWSC will continue to monitor and report pumpage as required by its providers.
4. Continuing with Stage II measures, CMWSC will visually inspect lines and repair leaks regularly.
5. Flushing is prohibited except for dead-end mains and only between 9:00 PM and 3:00 AM.
6. All meters will be read as often as necessary to ensure compliance with this program for the benefit of all customers.

Water Use Restrictions:

In addition to Stage II restrictions, the following water use restrictions shall apply to all customers:

1. Water customers are *required* to limit the irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems to once a week. Customers are required to limit outdoor water use to Monday for water customers with a street address ending in 0 or 1, Tuesday for water customers with a street address ending in 2 or 3, Wednesday for water customers with a street address ending in 4 or 5, Thursday for water customers with a street address ending in 6 or 7, and Friday for water customers with a street address ending in 8 or 9. Irrigation by means of a

hand-held hose, a faucet-filled bucket or watering can of five (5) gallons or less, or drip irrigation system is allowed at any time.

2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is permitted only on the assigned residential landscape watering days and times listed above.
3. Use of water to fill, refill, or add to any private indoor or outdoor swimming pools, wading pools, or a Jacuzzi-type pool is prohibited.
4. Athletic field must reduce water use by an additional 5% from Stage II. Conforming golf courses shall affect a 10% reduction of evapotranspiration rate. Non-conforming golf courses shall use no more than 1.8 times their basic usage. Reduced irrigation times also apply.

STAGE IV – EMERGENCY WATER SHORTAGE CONDITIONS

Target:

Achieve a forty percent (40%) reduction in total water use.

Requirements of Initiation:

Stage IV will be initiated when one or more of the following conditions exist:

1. Any of CMWSC's water providers-initiated Stage IV of their Drought Contingency Plan.
2. Water consumption has reached 100 % of daily maximum supply during a single 24-hour period.
3. Failure of a major component of the system or an event that reduces the minimum residual pressure in the system to below 20 psi for a period of 24 hours or longer.
4. Other unforeseen events that could cause imminent health or safety risks to the public.

Requirements of Termination:

Stage IV will be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of seven (7) consecutive days. Upon termination of Stage IV. Stage III becomes operational.

Utility Measures:

CMWSC will take the following measures when Stage IV is declared:

1. Upon initiation and termination of Stage IV, CMWSC will mail a public announcement to its customers and post the announcement on its website. The announcement shall include a notice that the water supply is in peril, and that physical restriction of water use and reporting of excessive users to CMWSC will be required.
2. CMWSC will immediately inform TCEQ of its implementation and termination of Stage IV.
3. CMWSC will continue to monitor and report pumpage as required by its providers.
4. Continuing with Stage III measures, CMWSC will visually inspect lines and repair leaks regularly.
5. Flushing is prohibited except for dead-end mains and only between 9:00 PM and 3:00 AM.
6. All meters will be read as often as necessary to ensure compliance with this program for the benefit of all customers.

Water Use Restrictions:

In addition to Stage III restrictions, the following water use restrictions shall apply to all customers:

1. Irrigation of landscaped areas, including athletic fields is prohibited.
2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited.
3. Use of water to fill, refill, or add to any private indoor or outdoor swimming pools, wading pools, or a Jacuzzi-type pool is prohibited.
4. Use of water for any means of Construction, to include construction meters.

ATTACHMENT A

WATER CONSERVATION UTIILTY PROFILE (TWDB-1965)

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: CREEDMOOR MAHA WSC

Public Water Supply Identification Number (PWS ID): TX2270008

Certificate of Convenience and Necessity (CCN) Number: 11029

Surface Water Right ID Number:

Wastewater ID Number:

Contact: First Name: Scott Last Name: Rickabaugh

Title: Operations Manager

Address: 13709 Schriber Road City: Austin State: TX

Zip Code: 78610 Zip+4: Email: scott@creedmoorwsc.com

Telephone Number: 5125480626 Date:

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

Regional Water Planning Group: K

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: 51

Attached file(s):

File Name	File Description
CMWSC Neighboring CCN (2024).pdf	

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	10,864	0	0
2022	9,601	0	0
2021	7,761	0	0
2020	7,600	0	0
2019	7,505	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	55,300	0	0
2040	75,827	0	0
2050	96,355	0	0
2060	116,882	0	0
2070	137,410	0	0

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

projected information from future developments under contract to serve, an analysis on undeveloped land and the potential for development

Attached file(s):

File Name	File Description
CMWSC CCN Full Buildout.pdf	
Projected Connections.pdf	

Texas Water Development Board

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	200,697,354	102,415,937	0	303,113,291	76
2022	198,254,844	101,094,881	0	299,349,725	85
2021	170,641,710	98,956,521	0	269,598,231	95
2020	171,147,190	89,050,264	0	260,197,454	94
2019	154,786,319	105,330,852	0	260,117,171	95
Historic Average	179,105,483	99,369,691	0	278,475,174	89

C. Water Supply System

Attached file(s):

File Name	File Description
CMWSC CCN Map (2024).pdf	

1. Designed daily capacity of system in gallons: 5,000,000

2. Storage Capacity

   2a. Elevated storage in gallons: 600,000

   2b. Ground storage in gallons: 1,320,000

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	15,480	527,663,060
2026	21,773	742,164,118
2027	27,562	939,486,004
2028	32,690	1,114,260,225
2029	37,131	1,265,651,684
2030	41,576	1,417,162,443
2031	45,794	1,560,918,714
2032	49,311	1,680,815,023
2033	52,293	1,782,458,461
2034	53,364	1,818,964,203

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

Using historic average water use data in conjunction with projected connections based on future developments under contract to serve

Attached file(s):

File Name	File Description
2024.01.02 CMWSC Demand Projections.pdf	

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
Tex-Mix Concrete	Commercial	11,111,000	Treated
Texas Disposal Systems	Commercial	5,112,700	Treated
Texas Disposal Systems	Commercial	5,066,200	Treated
JD Abrams	Commercial	3,376,000	Treated
Texas Disposal Systems	Commercial	2,639,500	Treated

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

Customer	Water Use Category	Annual Water Use	Treated or Raw

F. Utility Data Comment Section

Additional comments about utility data.

information was gathered from Creedmoor Maha's billing software

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	2,953	95.14 %
Residential - Multi-Family	0	0.00 %
Industrial	0	0.00 %
Commercial	132	4.25 %
Institutional	19	0.61 %
Agricultural	0	0.00 %
Total	3,104	100.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

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	334	0	0	27	0	0	361
2022	58	0	0	0	12	0	70
2021	279	0	0	5	0	0	284
2020	0	0	0	0	0	0	0
2019	78	0	0	48	28	0	154

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	213,320,793	0	0	65,323,143	3,480,300	0	282,124,236
2022	217,849,475	0	0	56,400,915	3,198,100	0	277,448,490
2021	173,370,998	0	0	46,232,266	11,558,067	0	231,161,331
2020	179,266,100	0	0	47,804,293	11,951,073	0	239,021,466
2019	157,775,300	0	0	48,604,639	1,887,500	0	208,267,439

C. Residential Water Use

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

Year	Total Residential GPCD
2023	57
2022	65
2021	53
2020	61
2019	58
Historic Average	59

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	23,919,559	18,875,685	20,633,007	19,820,235	18,321,655
February	20,884,764	18,605,527	22,285,651	17,253,799	16,102,590
March	23,543,783	22,914,739	21,294,909	18,188,998	19,821,622
April	16,376,790	23,193,796	21,182,480	18,494,973	19,617,267
May	22,479,275	26,742,973	20,997,456	21,027,459	19,966,671
June	26,329,395	27,058,373	24,559,049	22,763,988	19,936,807
July	32,376,119	28,638,149	23,988,452	26,058,547	22,632,107
August	33,300,380	28,150,391	24,814,130	26,487,142	28,815,892
September	27,885,357	25,261,759	25,132,058	22,927,177	25,533,919
October	25,257,983	26,333,590	23,972,519	26,490,217	23,017,681
November	25,832,179	24,514,601	18,782,164	20,958,533	22,361,027
December	21,896,575	26,066,645	19,260,369	19,726,386	21,388,761
Total	300,082,159	296,356,228	266,902,244	260,197,454	257,515,999

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	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Total	0	0	0	0	0

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2023	92,005,894	300,082,159
2022	83,846,913	296,356,228
2021	73,361,631	266,902,244
2020	75,309,677	260,197,454
2019	71,384,806	257,515,999
Average in Gallons	79,181,784.20	276,210,816.80

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	20,283,744	5	6.60 %
2022	21,207,614	6	7.05 %
2021	37,858,997	13	13.70 %
2020	21,175,988	8	8.50 %
2019	47,313,368	17	17.90 %
Average	29,567,942	10	10.75 %

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	822,142	1000064	1.2164
2022	811,934	911379	1.1225
2021	731,239	797409	1.0905
2020	712,869	818583	1.1483
2019	705,523	775921	1.0998

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	188,316,533	95.14 %	76.06 %
Residential - Multi-Family	0	0.00 %	0.00 %
Industrial	0	0.00 %	0.00 %
Commercial	52,873,051	4.25 %	21.35 %
Institutional	6,415,008	0.61 %	2.59 %
Agricultural	0	0.00 %	0.00 %

ATTACHMENT B

WATER RATE STRUCTURE

Creedmoor Maha Water Supply Corporation
Billing Structure

Water Service Availability Base Charge: The monthly base charge for metered water service, which includes NO gallons allowable, is based on demand by meter size. Rates for all Customer classes are as follows:

METER SIZE	MONTHLY BASE RATE
5/8"	$60.00
3/4"	$80.00
1"	$120.00
1 1/2"	$220.00
2"	$339.00
3"	$620.00

System Usage Charge: In addition to the Service Availability Charge, a system usage charge shall be added at the following rates for usage during any one (1) billing period:

GALLONS METERED	MONTHLY USAGE RATE (per 1,000 gallons)
0 - 6,000 gallons	$9.40
6,001 - 15,000 gallons	$11.28
15,001 - 25,000 gallons	$13.54
25,001 - 35,000 gallons	$16.25
35,001 - 45,000 gallons	$19.50
> 45,000 gallons	$22.90

Board Approved: June 21, 2023