ORDINANCE NO. 19-10

AN ORDINANCE OF THE CITY OF BRECKENRIDGE, TEXAS, AMENDING ORDINANCE NO. 14-12, AN ORDINANCE OF THE CITY OF BRECKENRIDGE - WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN; PENALTIES CLAUSE; CUMULATIVENESS CLAUSE; SEVERABILITY CLAUSE; CONFLICTS CLAUSE; AND EFFECTIVE DATE.

WHEREAS, the City Commission of the City of Breckenridge, Texas, has determined that there is an urgent need in the best public interest of the City of Breckenridge to adopt a Water Conservation Plan and Drought Contingency Plan; and

WHEREAS, the City Commission further determines that such public need is of an emergency nature; and

WHEREAS, the City Commission finds and declares that a sufficient written notice of the date, hour, place and subject of this meeting of the City Commission was posted at a designated place convenient to the public at the City Offices for the time required by law preceding this meeting and that such place of posting was readily accessible at all times to the general public; and

WHEREAS, the City Commission of the City of Breckenridge now desires to evidence its approval of the Water Conservation/Drought Contingency Plan and adopt such plan as an official policy of the City;

NOW, THEREFORE, BE IT ORDAINED by the City Commission of the City of Breckenridge, Texas:

Section I

The City Commission hereby approves and adopts as the City of Breckenridge Water Conservation Plan, the Water Conservation/Drought Contingency Plan attached hereto as Exhibit A and incorporated herein. The City commits to implement the program according to the procedures set forth in the adopted plan.

Section II

In regard to implementation and enforcement of the Water Conservation and Drought Contingency Plan, the City Manager of the City of Breckenridge is designated as the official responsible for implementation and enforcement, and the following guidelines are adopted:

A. STAGE 1- Mild Drought Conditions:

1. The water surface elevation in Lake Daniel is at 1,266 feet mean sea level (msl) or

when Hubbard Creek Reservoir is at 1170-1,155.01 feet (msl); or

2. Daily water consumption will not enable distribution storage levels to be maintained under full operation of the system for two (2) consecutive days; or

3. Any mechanical failure of pumping or storage equipment, or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 24 hours to repair.

B. STAGE 2 - Moderate Drought Conditions:

1. The water surface elevation in Lake Daniel falls to 1,263 feet (msl), or when Hubbard Creek Reservoir is at 1,155 -1,153.01 feet (msl); or

2. The average daily water consumption will not enable storage levels to be maintained under full operation of the system for 3 consecutive days; or

3. Any mechanical failure of pumping equipment or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 48 hours to repair.

C. STAGE 3 - Severe Drought Conditions:

1. The water surface elevation in Lake Daniel is at 1261 feet (msl) or when Hubbard Creek Reservoir is at 1,153 -1,150.01 feet (msl); or

2. The average daily water consumption will not enable storage levels to be maintained under full operation of the system for four consecutive days; o r

3. Any mechanical failure of pumping or storage equipment, or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 72 hours to repair.

D. STAGE 4 - Emergency Conditions:

1. Hubbard Creek Reservoir is at 1,150 feet (msl) or below;or

2. The water system is contaminated either accidentally or intentionally. The severe condition is reached immediately upon detection; or

3. The water system fails to produce water, whether from acts of God (tornados) or mechanical breakdown or any other reason. The severe condition is reached immediately upon detection.

In the event severe classification conditions persist (Item 3 above) for an extended period of time or an emergency condition is identified (Item 4 above), the City will establish a system priority. Those users with the highest priority will be the last to have their water use restricted. The system priority is as follows:

a. Hospitals
b. Residential
c. Schools
d. Industrial
e. Commercial
f. Recreational

Section III

Users of City water, except for the City, that do not comply with Section II of this Ordinance shall be subject to a penalty and fine as described in Section IV- Penalties of the Plan - for each day of noncompliance and/or disconnection or discontinuance of water services to such users by the City.

Section IV

Penalties. Users of city water that do not comply with the requirements of the **drought** contingency measures will be subject to a penalty and fine for each non-compliance. These users will also be subject to disconnection or discontinuance of city water services. These fines shall be as follows:

1st offense	$75.00
2nd offense	$100.00
3rd offense	$200.00
4th offense	Discontinuation of service

Section V

Provisions of this ordinance are cumulative, and nothing herein shall prevent, alter or diminish the applicability of enforcement of other ordinances restricting, regulating or governing the subject matter herein.

Section VI

If any section, subsection, sentence, clause, phrase or portion of this ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding shall not affect the validity of the remaining portions hereof.

Section VII

All ordinances or portion of any ordinance in conflict herewith are hereby amended to conform with the provisions hereof.

Section VIII

This ordinance shall be of full force and effect upon its passage and publications as required by law.

PASSED AND APPROVED this 2nd day of July 2019.

BOB SIMS, MAYOR

ATTEST:

HEATHER ROBERTSON-CARAWAY, CITY SECRETARY

SEAL

STATE OF TEXAS

COUNTY OF STEPHENS

I, Heather Robertson-Caraway, City Secretary of Breckenridge, Texas, do hereby certify that the attached is a true and correct copy of an ordinance passed and approved in a meeting of the City Commission held on the 2nd day of July, 2019, as same is recorded in the minutes of the City Commission in Breckenridge, Texas, and as same is on file in the records of the City of Breckenridge.

WITNESS my hand and seal of said City this 2nd day of July 2019.

Heather Robertson-Caraway, City Secretary

CITY OF BRECKENRIDGE THE SEAL TEXAS

CITY OF BRECKENRIDGE, TEXAS

WATER CONSERVATION
AND
DROUGHT CONTINGENCY PLAN

PWSID 2150001

Revised April 2019

Prepared by:

1989-2019

Enprotec / Hibbs & Todd

402 Cedar, Abilene, Texas 79604
Phone: (325) 698-5560 / Fax: (325) 690-3240
Website: e-ht.com
PE Firm Registration No. 1151
PG Firm Registration No. 50103
RPLS Firm Registration Nos. 10011900 & 10007300

TABLE OF CONTENTS

WATER CONSERVATION PLAN

DROUGHT CONTINGENCY PLAN

APPENDICES

CITY OF BRECKENRIDGE, TEXAS
WATER CONSERVATION PLAN

Section I. Declaration of Policy, Purpose and Intent

The purpose of the Water Conservation Plan (the Plan) is to: promote the wise and responsible use of water by implementing structural programs that result in quantifiable water conservation results; develop, maintain, and enforce water conservation policies and ordinances; and support public education programs to educate customers about water and wastewater facilities operations, water quantity and quality, water conservation and non-point source protection.

In accordance with 30 Texas Administrative Code Chapter 288, the City of Breckenridge practices and promotes conservation of water through the implementation of practices described in the Texas Water Development Board's (TWDB's) Best Management Practices (BMP) Guide for Municipal and Wholesale Users. Where they appear in this Plan, BMPs are noted by "(recognized BMP)".

Section II. Utility Profile

The City of Breckenridge (City) is located in Stephens County and is situated approximately 95 miles west of Fort Worth and 60 miles northeast of Abilene. The service area for the City's water distribution system encompasses approximately 4.2 square miles and is depicted in Appendix A.

Up until July 2013, the City supplied treated water to a single wholesale purchaser consisting of Stephens Regional Special Utility District (SRSUD or District). Beginning in July 2013, SRSUD began operating its surface water treatment plant and no longer buys treated water from the City of Breckenridge. The Municipal Use Utility Profile can be found in its entirety in Appendix B and is summarized as follows.

A. Population

Breckenridge's population in the year 2019 as determined from 2021 Regional Water Plan is 5,912 persons.

Table 1: Population for City of Breckenridge (2014-2018)

Year	Breckenridge Population
2014	5,955
2015	5,946
2016	5,937
2017	5,929
2018	5,920
Source: 2021 Regional Water Plan	

Table 2 depicts projected population figures for Breckenridge users through the year 2060.

Table 2: Projected Population for City of Breckenridge (2020-2060)

Year	Breckenridge Population
2020	5,903
2030	6,130
2040	6,232
2050	6,298
2060	6,315
Source: 2021 Regional Water Plan	

B. Customer Data and Water Use Data

City of Breckenridge water customers consist of a mixture of single family and multi-family residential, commercial, industrial and institutional users. City of Breckenridge residential customers are supplied through approximately 2,715 residential connections. Breckenridge's commercial users are supplied through approximately 364 commercial connections with seven industrial connections being used to deliver water to industrial users.

Table 3 summarizes the expected water use figures for the Breckenridge system's retail users over the next decade. The City no longer supplies water to wholesale users.

Table 3: Projected Population and Water Demand for City of Breckenridge (2019-2023)

Year	Breckenridge Population (persons)	Breckenridge Demand (gallons/yr)
2019	5,977	333,410,743
2020	5,974	326,502,702
2021	5,971	326,828,553
2022	5,968	327,154,404
2023	5,965	327,480,255
2024	5,962	327,806,106
2025	5,959	328,131,957
2026	5,981	328,457,808
2027	6,003	328,783,659
2028	6,025	329,109,510
Source: 2021 Regional Water Plan		

C. Water Supply System

1. Water Sources

Raw surface water is supplied to City of Breckenridge water treatment works from Hubbard Creek Reservoir and Lake Daniel. The City of Breckenridge owns and holds surface water rights to 2,100 acre-feet per year (ac-ft/yr) from Lake Daniel. Hubbard Creek Reservoir, owned and operated by the West Central Texas Municipal Water District (District) provides by contract up to 2,400 ac-ft/yr of raw surface water for use by the City.

2. Water Treatment

The City owns and operates a water treatment facility (Public Water System Number 2150001) constructed in 1974. This plant is currently designed to treat a maximum of 3.4 million gallons per day (mgd). Raw water enters the plant at the dual-compartment flash mixer where chemicals for flocculation and disinfection are added. Water flows from the flash mixer to the inlet of the two clarifiers. In the flocculation zone of the clarifiers, the agglomerated solids generated by the flocculation mixing form floc particles comprised of turbidity and coagulant chemical. The flocculated particles settle to the bottom of the clarifiers leaving relatively clean settled water to send to the filters.

The plant is equipped with two dual-media (anthracite, and sand) filters to filter out remaining turbidity particles leaving the clarifiers. Once through the filters, water is dosed with chlorine and liquid ammonium sulfate to complete treatment. The treated water then flows to the clearwell where it is pumped to an above-ground storage tank. Pumps take suction from the above-ground storage tank, and deliver the water to the distribution system. The water treatment plant includes storage tanks for bulk delivery of coagulant, chlorine, ammonia, and caustic soda, as well as chemical metering facilities.

3. Water Distribution

After water is processed at the treatment plant, it is pumped into the distribution system and stored in ground and elevated storage tanks consisting of a 1.0 million gallon ground storage reservoir, two 250,000 gallon elevated storage tanks, and a 150,000 gallon elevated storage tank giving in a total storage capacity of 1.65 million gallons. The City of Breckenridge water distribution system provides economical and compatible facilities that are capable of furnishing sufficient water at suitable pressures to Breckenridge's retail users and to the single wholesale purchaser. The system consists of underground water mains, pumping stations, ground storage tanks, elevated storage tanks, valves, fire hydrants, and approximately 2,425 metered service connections. The distribution network is laid out in a continuous looped system to circulate water and maintain constant system pressure. Pumping stations are located so as to pump water, maintain uniform pressure and maintain storage tank levels.

D. Wastewater System

1. Wastewater Collection

The City of Breckenridge wastewater collection system consists of a network of sewer lines, lift stations, and manholes serving Breckenridge users. Approximately 87% of Breckenridge water users discharge to the Breckenridge sewage collection system. Sewage flows by gravity, aided when necessary by lift stations, through the collection system into the wastewater treatment plant (WWTP). No wholesale customers are served by the City of Breckenridge sewage collection and treatment system.

2. Wastewater Treatment

The City of Breckenridge owns and operates a wastewater treatment plant under permit number TX0023213. The plant has a rated treatment capacity of 0.95 mgd. Sewage undergoes treatment consisting of prescreening, grit removal, activated sludge process, sedimentation, filtration, and chlorine disinfection. Approximately 10,000 gallons per month of treated sewage is reused onsite for wash down and chlorine motive water flow while the remainder of the treated effluent is discharged into Gonzales Creek which is a tributary of the Clear Fork of the Brazos River. Sewage biosolids are thickened via a belt press or wedgewire beds prior to disposal at the regional landfill in Abilene.

Section III. Water Conservation Goals

The 5- and 10-year goals for total per capita water use by City of Breckenridge users is to maintain per capita water use at or below 119 gallons per capita per day (gpcd) by the end of 2024, and 118 gpcd by the end of 2029. The 5- and 10-year goals for residential per capita water use by City of Breckenridge users is to maintain residential per capita water use at or below 56 gpcd by the end of 2024 and 55 gpcd by the end of 2029. The 5- and 10-year per capita water loss goals is to maintain per capita water loss at less than 23 gallons per capita through the years 2024 and less than 18 gpcd by the end of 2029. These goals are set in accordance with Brazos G Regional Water Planning Group projections and in accordance with historic water use rates for Breckenridge water system users (see Appendix C).

Section IV. Schedule for Implementation

The City will adhere to the following schedule, to achieve the targets and goals for water conservation:

A. Meters will continue to be monitored for accuracy annually and replaced on an as-needed basis.

B. Water audits will be conducted annually.

C. Real water losses will be identified and corrected as budget permits. Real water losses are minimized by replacement of deteriorating water mains and appurtenances, as conducted by City staff on an on-going basis as budget permits.

D. The City will make available to the public, material developed by the staff, materials obtained from the Texas Water Development Board, TCEQ or other sources annually to all customers.

Section V. Method for Tracking Implementation

The City Manager of the City of Breckenridge or his/her designee will submit an Annual Report to the Texas Water Development Board on the Water Conservation Plan. The report shall include the following:

A. Public information which has been issued.
B. Public response to the plan.
C. Effectiveness of the Water Conservation Plan in lowering water consumption.
D. Implementation progress and status of plan.
E. Effectiveness of leak detection and repair programs in reducing water loss.

Section VI. Metering Devices

It is City of Breckenridge policy to purchase meters that meet at least the minimum standards developed by the American Water Works Association. All metering devices used to meter water diverted from the source of supply are accurate to within plus-or-minus 5% to measure and account for water diverted from the source of supply. Aged meters are systematically replaced to assure reliability of meter performance (recognized BMP).

Section VII. Universal Metering

It is City of Breckenridge policy to individually meter all water usage, except for fire protection, including all new construction within the City's CCN coverage area (recognized BMP).

Section VIII. Measures to Determine and Control Unaccounted-For Uses of Water

It is Breckenridge's policy to investigate customer complaints of low pressure and possible leaks. Breckenridge's goal for unaccounted-for water use is 15% or less. The City's ongoing meter repair and replacement program involves meter readers checking each meter monthly for proper operation (recognized BMP). Any meter found not functioning properly is identified for replacement.

Breckenridge utilizes a record management system which records water pumped, water delivered, water sales and water losses to track water transmission, distribution, and delivery to customers. This information is used to evaluate the integrity of the water delivery system from source to end user to control and minimize unaccounted-for uses of water. The record management system utilized by City of Breckenridge segregates water sales and users into user classes of single family and multi-family residential, commercial, industrial and wholesale users (recognized BMP).

Section IX. Leak Detection and Repair

The City of Breckenridge practices a leak detection and repair program involving visual inspections of the system. Water Department personnel visually inspect suspected leaks and make quick and timely repairs to those leaks when detected. Leaking pipelines or pipeline sections are repaired or replaced as they are detected (recognized BMP).

Meter classification and aggressive follow-up on repair of detected leaks will aid in diminishing the amount of unaccounted-for water. The current detection program consists of the following observations and activities:

1. Leaks reported by citizens.
2. Leak detection by meter readers.
3. Continual checking and servicing of production, pumping and storage facilities.
4. Rapid response by city staff to reported problems.

Section X. Continuing Public Education and Information Program

The Education and Information Program in use (recognized BMP) by the City of Breckenridge to inform the public about water conservation and drought response consists of the following activities:

A. Between two (2) and four (4) presentations may be put on annually for elementary age children at local schools. These presentations would cover a rotating itinerary of information covering water conservation in indoor and outdoor water uses.

B. An annual presentation may be put on for each of the local civic groups, i.e. Lions Club, Kiwanis Club, etc. and a public presentation may be held at the City offices. These presentations would be advertised via utility bill statements, the City's website, and the local newspaper and radio. The content of the meetings is flexible and designed to cover areas of water conservation that recent water use reports may indicate are in need of discussion.

C. Newspaper and radio ads are placed several times throughout the year based on the areas of current need for water conservation as determined from recent water use reports. Additionally, the City's website is also used to convey information concerning water conservation.

D. All new connections to the water system are offered water conservation information upon establishing water service. This information includes a variety of indoor and outdoor water conservation pamphlets that have been prepared by the TWDB.

E. All of the water conservation pamphlets included in the new service packet listed above are available to the public at no cost at the City offices. The public is made aware of these pamphlets via utility bill statements, the local newspaper and radio, and via the City's website.

F. Toilet tank leak detector tablets are available to the public at no cost. The public is made aware of this service via utility bill statements, the local newspaper and radio, and via the City's website.

Section XI. Non-Promotional Water Rate Structure

The City utilizes a non-declining block rate (recognized BMP) to encourage water conservation (see Appendix D). The City periodically evaluates its water rate structure and adjusts costs and/or structure as needed to encourage water conservation.

Section XII. Plumbing Codes

The City has adopted the 2012 International Plumbing Code which is published by the International Code Council.

Section XIII. Water Conservation Retrofit Program

Title V of the Texas Health and Safety Code, Subsection E, Chapter 421 requires that Texas businesses stock and sell only plumbing fixtures which conform to water saving performance standards. This will ensure that plumbing fixtures installed during new construction and remodeling will be of the conservation-oriented type (recognized BMP).

Section XIV. Water Conservation Landscaping Program

Educational material made available to water system users will include information relating to low water use landscaping. Since the City reviews and approves subdivision plans, developers and builders, at the time building permits are acquired, will be provided with literature pertaining to low water demand landscaping items. Area nurseries also will be provided with this literature (recognized BMP).

Section XV. Plan Enforcement and Adoption

The Plan is enforced within the Breckenridge service area by providing service taps only to customers complying with adopted water conservation policies, maintaining a non-declining rate structure, discontinuing service to those customers who do not pay their water bills until payment is made, and certifying new construction only after verifying it conforms to adopted ordinances and plumbing codes. (A copy of the ordinance adopting this Plan has been included here in Appendix E.)

While at present the City does not serve wholesale customers, future wholesale customers will receive written notification of Plan adoption and any subsequent Amendments. Adoption of this Plan by the City of Breckenridge per 30 Texas Administrative Code (TAC) Chapter 288, Subchapter A, Rule §288.5 (G) obligates wholesale customers as defined in 30 TAC Chapter 288, Subchapter A, Rule §288.1 to implement water conservation measures.

Section XVI. Additional Wholesale Water Contract Requirements

It is City of Breckenridge policy to include in every wholesale water supply contract entered into after official adoption of the Plan, including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using applicable elements in 30 TAC 288, Subchapter A (recognized BMP). If the wholesale customer intends to resell the water, then the contract between the City of Breckenridge and the wholesale customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with 30 TAC 288, Subchapter A.

Section XVII. Coordination with Region G Planning Group

All retail customers served by the City of Breckenridge are located within the Region G Planning Area. Breckenridge has provided a copy of this Plan to the Region G Planning Group. A copy of the transmittal letter to the Brazos Region G Water Planning Group is provided in Appendix F.

Section XVIII. Reservoir Operation Plan

The City of Breckenridge operates facilities at Lake Daniel according to the City's Reservoir Operation Plan (included in Appendix G).

Section XIX. Revisions to the Water Conservation Plan

The City of Breckenridge will review and update this Water Conservation Plan, as appropriate, based on new or updated information, such as the adoption or revision of the regional water plan. As a minimum the Plan will be updated again before May 1, 2024 and every five (5) years thereafter.

Section XX. Severability

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

CITY OF BRECKENRIDGE, TEXAS
DROUGHT CONTINGENCY PLAN

Section I. Declaration of Policy, Purpose, and Intent

A Drought Contingency Plan (Plan) is defined as, "A strategy or combination of strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies" (30 TAC Chapter 288, Subchapter A, §288.1,4). The City of Breckenridge has established this Plan in order to establish criteria for determining various stages of drought and to establish corresponding policies that will be enforced during each stage of drought or during times of other water shortage or in times of emergency.

Water uses regulated or prohibited under this Plan are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply conditions are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section XI of this Plan.

Section II. Authorization

The City Manager or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The City Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section III. Application

The provisions of this Plan shall apply to all customers utilizing water provided by the City of Breckenridge. The terms person and customer as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

Section IV. Measures to Inform and Educate the Public

The Drought Contingency Plan and its corresponding program will be made a part of any presentations that may be conducted annually by the City as discussed above in Section X of the Water Conservation Plan. In addition, during the enforcement of any stage of drought, the public will be made aware of conservation and drought conditions by information and data transfer through the City's program, including presenting information on the City's website. During periods of drought curtailment, Stage 1 conditions will establish an Information Center with staff, and utilize the most effective methods developed for information dissemination on a regular basis.

Close observation of the information program should determine the most effective ways to communicate with customers. The City's website, posted notices, newspaper articles, radio coverage and direct mail to customers may be used to convey information during drought conditions.

Section V. Measures to Inform and Educate Wholesale Users

The City of Breckenridge no longer provides wholesale water service. In the event the City acquires new wholesale customers, the City will periodically provide wholesale water customers with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided via the City's website and by a copy of the Plan, or periodically including information about the Plan with invoices for water sales.

Section VI. Procedures for Initiation and Termination

Initiation Procedures:
Initiation of each drought condition will begin upon the discovery of the existence of any of the criteria set forth in this Plan for the given drought condition. Each condition will be met with corresponding action by the City Manager or his/her designee who will affect curtailment, give notice, and publicize and implement the curtailment procedures. During any period of drought curtailment, the City Manager or his/her designee will disseminate information via the Information Center utilizing local media and public postings. The City Manager or his/ her designee shall notify directly, or cause to be notified directly the Texas Commission on Environmental Quality (TCEQ) when mandatory restrictions are imposed.

Termination Procedures:
Termination of each drought condition will begin when that specific condition has been improved to the extent that an upgraded condition can be declared by the City Manager. This process will be employed until full service can be provided. System priority will be considered in return to upgraded condition, discontinuing restrictions to hospitals, schools, etc., in priority order. The City Manager or his/ her designee will notify the public upon lifting of any stage of drought curtailment. The City Manager or his/ her designee will notify the TCEQ directly, or cause the TCEQ to be notified directly within five (5) days of mandatory drought restrictions are lifted.

Section VII. Triggering Criteria

The City Manager, or his/her designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by means of publication in a newspaper of general circulation, direct mail to each customer and/or signs posted in public places. Wholesale customers will be notified both by telephone and mail. The City Manager will notify the TCEQ in writing within five (5) days of entering or rescinding of any mandatory water restrictions defined below.

The triggering criteria described below are based on a statistical analysis of the vulnerability of the water source under drought of record conditions.

A. Stage 1 - Mild Drought Conditions

Requirements for initiation –

1. The water surface elevation in Lake Daniel is at 1,266 feet mean sea level (msl) or when Hubbard Creek Reservoir is at 1,170-1155.01 feet msl; or

2. Daily water consumption will not enable distribution storage levels to be maintained under full operation of the system for two consecutive days; or

3. Any mechanical failure of pumping or storage equipment, or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 24 hours to repair.

Requirements for termination –

Stage 1 of the Plan may be rescinded when

1. Lake Daniel is above 1,266 feet msl and Hubbard Creek Reservoir is above 1,170 feet msl for 30 consecutive days; and

2. Daily water consumption decreases to the point that distribution storage levels are restored to full capacity during low demand periods for two consecutive days.

3. Repairs have been made to pumping or storage equipment, or essential water treatment facility equipment which had caused Stage 1 to have been implemented.

B. Stage 2 - Moderate Drought Conditions

Requirements for initiation –

1. The water surface elevation in Lake Daniel falls to 1,263 feet msl, or when Hubbard Creek Reservoir is at 1,155-1,153.01 feet msl;

2. The average daily water consumption will not enable storage levels to be maintained under full operation of the system for three consecutive days; or

3. Any mechanical failure of pumping or storage equipment, or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 48 hours to repair.

Requirements for termination –

Stage 2 of the Plan may be rescinded when

1. Lake Daniel is above 1,263 feet msl and Hubbard Creek Reservoir is above 1,155 feet msl for 30 consecutive days.

2. Daily water consumption decreases to the point that distribution storage levels are restored to full capacity during low demand periods for three consecutive days.

3. Repairs have been made to pumping or storage equipment, or essential water treatment facility equipment which had caused Stage 2 to have been implemented.

C. Stage 3 - Severe Drought Conditions

Requirements for initiation –

1. The water surface elevation in Lake Daniel is at 1,261 feet msl or when Hubbard Creek Reservoir is at 1,153-1,150.01 feet msl;

2. The average daily water consumption will not enable storage levels to be maintained under full operation of the system for four consecutive days; or

3. Any mechanical failure of pumping or storage equipment, or essential water treatment facility equipment has occurred that limits but does not stop the production and/or supply of water and that will require more than 72 hours to repair.

Requirements for termination –

Stage 3 of the Plan may be rescinded when

1. Lake Daniel is above 1,261 feet msl and Hubbard Creek Reservoir is above 1,153 feet msl for 30 consecutive days.

2. Daily water consumption decreases to the point that distribution storage levels are restored to full capacity during low demand periods for four consecutive days.

3. Repairs have been made to pumping or storage equipment, or essential water treatment facility equipment which had caused Stage 3 to have been implemented.

D. Stage 4 - Emergency Conditions

Requirements for initiation - The City of Breckenridge will recognize that an emergency water shortage condition exists when any of the following occur:

1. Hubbard Creek Reservoir is at 1,150 feet msl or below, or;

2. The water system is contaminated either accidentally or intentionally. The severe condition is reached immediately upon detection; or

3. The water system fails to produce water, whether from acts of God (tornados) or mechanical breakdown or any other reason. The severe condition is reached immediately upon detection.

Requirements for termination –

Stage 4 of the Plan may be rescinded when the water system has been restored to routine operation and the conditions which caused Stage 4 to be initiated are no longer present.

Section VIII. Drought Response Stages

The Water Conservation and Drought Contingency Ordinance, adopted and included as part of this Plan (Appendix E), enables the City Manager to initiate action that will effectively implement the Drought Contingency Plan. The following steps will be followed for each stage of drought:

A. Stage 1 - Mild Water Shortage Conditions

Target Water Use:
The goal for water use reduction under this drought stage is to limit total treated water use by all system users to less than 3.4 MGD.

Demand Management Measures:
Stage 1 curtailment shall be initiated upon existence of mild drought conditions. The City Manager and/or his staff shall:

1. Develop an Information/Education Center and designate an Information Person.

2. Advise the public of the drought condition and publicize the availability of information from the Information Center.

3. Encourage the voluntary reduction of water use.

4. Contact commercial users and explain the necessity for initiation of strict conservation methods.

5. Make adjustments to the program to meet changing conditions.

Notification of System Users:

1. The City Manager, or his/her designee, will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate voluntary measures to reduce water use.

2. The City Manager, or his/her designee, will provide a weekly report to news media with information regarding current water supply and/or demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

3. The City Manager will notify retail water users through local media outlets, wholesale customers via phone and written correspondence, and the TCEQ via phone and written correspondence within five working days of rescinding Stage 1 restrictions.

B. Stage 2 - Moderate Water Shortage Conditions

Target Water Use:
The goal for water use reduction under this drought stage is to limit total treated water use by all system users to less than 3.0 MGD.

Demand Management Measures:
Stage 2 curtailment shall be initiated by the City Manager on his identifying moderate drought conditions. The City Manager and/or his staff shall:

1. Develop or continue the use of an Information/Education Center and designate or continue the use of an Information Person.

2. Advise the public of the drought condition and publicize the availability of information from the Information Center.

3. Ban the use of Non-essential water. Non-essential water use is defined as washing house windows, sidings, eaves, and roof with a hose, and without the use of a bucket; washing driveways, streets, curbs and gutters; washing vehicles without a hose cutoff valve and bucket; unattended sprinkling of landscape shrubs and grass; draining and filling swimming pools; and flushing water systems.

4. Initiate a program for outdoor residential use of water that limits essential landscape irrigation to alternate days. Even numbered houses will use water for outdoor residential use on even days of the month and odd numbered houses on odd days of the month.

5. Monitor the system function and establish hours for outside water use, depending upon the system performance.

6. Visit commercial users to ensure voluntary conservation has been initiated.

Notification of System Users:

1. The City Manager, or his/her designee, will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate mandatory curtailment in their systems.

2. The City Manager, or his/her designee, will provide a weekly report to news media with information regarding current water supply and/or demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

3. The City Manager will notify retail water users through local media outlets, wholesale customers via phone and written correspondence, and TCEQ via phone and written correspondence within five working days of rescinding Stage 2 restrictions.

C. Stage 3 - Severe Water Shortage Conditions

Target Water Use:
The goal for water use reduction under this drought stage is to limit total treated water use by all system users to less than 2.4 MGD.

Demand Management Measures:
Stage 3 curtailment shall be initiated upon the existence of severe drought or emergency conditions. The City Manager and/or his staff shall:

1. Develop or continue the use of an Information/Education Center and designate or continue the use of an Information Person.

2. Advise the public of the drought condition and publicize the availability of information from the Information Center.

3. Ban the Use of water for vehicle washing, window washing, outside watering (lawn, shrubs, faucet dripping, garden, etc.).

4. Ban the Use of water for public water uses which are not essential for health, safety and sanitary purposes. These non-essential uses include street washing, fire hydrant flushing, filling swimming pools, watering athletic fields and courses, and dust control sprinkling.

5. Explore the possibility of utilizing alternative water sources and/or alternative delivery mechanisms with prior approval from TCEQ as appropriate.

6. Businesses requiring water as a basic necessity of their operation, such as nurseries, commercial car washes, Laundromats, high pressure water cleaning services, etc., will obtain written permission from the City Manager for the intended water use.

7. A system priority will be established. Those users with the highest priority will be the last to have their water use restricted. The system priority is as follows:

    a. Hospitals
    b. Residential
    c. Schools
    d. Industrial
    e. Commercial
    f. Recreational

Notification of System Users:

1. The City Manager, or his/her designee, will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate mandatory curtailment in their systems.

2. The City Manager, or his/her designee, will provide a weekly report to news media with information regarding current water supply and/or demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

3. The City Manager will notify retail water users through local media outlets, wholesale customers via phone and written correspondence, and the TCEQ via phone and written correspondence within five working days of rescinding Stage 3 restrictions.

D. Stage 4 - Emergency Water Shortage Conditions

Target Water Use:
The goal for water use reduction under this drought stage is to limit total treated water use by all system users to less than 0.7 MGD.

Demand Management Measures:
Whenever emergency water shortage conditions exist, the City Manager shall:

1. Assess the severity of the problem and identify the actions needed and time required to solve the problem.

2. Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems (e.g., notification of the public to reduce water use until service is restored).

3. If appropriate, notify city, county, and/or state emergency response officials for assistance.

4. Undertake necessary actions, including repairs and/or clean-up as needed.

5. Prepare a post-event assessment report on the incident and critique of emergency response procedures and actions.

Notification of System Users:

1. The City Manager, or his/her designee, will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate mandatory curtailment in their systems.

2. The City Manager, or his/her designee, will provide a weekly report to news media with information regarding current water supply and/or demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

3. The City Manager will notify retail water users through local media outlets, wholesale customers via phone and written correspondence, and the TCEQ via phone and written correspondence within five working days of rescinding Stage 4 restrictions.

Section IX. Pro Rata Water Allocation

In the event that the triggering criteria specified in Section VII of the Plan for Stage 3 - Severe Water Shortage Conditions have been met, the City Manager is hereby authorized to initiate allocation of water supplies on a pro rata basis in accordance with Texas Water Code Section 11.039 and according to the following water allocation policies and procedures:

A. A wholesale customer's monthly allocation shall be a percentage of the customer's water usage baseline. The percentage will be set by Ordinance of the Commission based on the City Manager's assessment of the severity of the water shortage condition and the need to curtail water diversions

and/or deliveries and may be adjusted periodically by Ordinance of the Commission as conditions warrant. Once pro rata allocation is in effect, water diversions by or deliveries to each wholesale customer shall be limited to the allocation established for each month.

B. A monthly water usage allocation shall be established by the City Manager, or his/her designee, for each wholesale customer. The wholesale customer's water usage baseline will be computed on the average water usage by month for the 2006-2008 period as shown in the example given below. If the wholesale water customer's billing history is less than three years, the monthly average for the period for which there is a record shall be used for any monthly period for which no billing history exists.

	2016	2017	2018	Avg.	ALLOCATION PERCENTAGE
Jan	4.187	4.021	4.332	4.180	75%
Feb	4.520	3.291	3.868	3.893	75%
Mar	4.870	4.154	4.433	4.486	75%
Apr	4.740	4.004	5.422	4.722	75%
May	6.812	4.866	7.551	6.410	75%
Jun	6.477	8.500	8.257	7.745	75%
Jul	7.668	9.877	9.090	8.878	75%
Aug	5.977	6.565	8.795	7.112	75%
Sep	4.975	6.325	8.831	6.710	75%
Oct	4.358	5.002	6.888	5.416	75%
Nov	3.960	4.407	5.257	4.541	75%
Dec	4.658	4.509	4.765	4.644	75%

*UNITS IN MILLION GALLONS PER MONTH

C. The City Manager shall provide notice, by certified mail, to each wholesale customer informing them of their monthly water usage allocations and shall notify the news media and the executive director of the TCEQ upon initiation of pro rata water allocation.

D. Upon request of the customer or at the initiative of the City Manager, the allocation may be reduced or increased if, (1) the designated period does not accurately reflect the wholesale customer's normal water usage; (2) the customer agrees to transfer part of its allocation to another wholesale customer; or (3) other objective evidence demonstrates that the designated allocation is inaccurate under present conditions. A customer may appeal an allocation established hereunder to the Commission of the City of Breckenridge.

Section X. Means of Adoption, Implementation and Enforcement

Adoption of this Plan will enable the City Manager to implement and carry out enforcement of enacted ordinances to make the Plan effective and workable. During any stage of drought or during emergencies, all city employees shall have instruction to monitor water use by the public in order to observe that the policies of the given stage of drought are being practiced. Those customers observed to be in violation shall be reported to the City Manager or the Code Enforcement Officer, who along with designated members of their staff shall issue citations for each reported violation. In addition, residents who observe violations may also report said violations to the City Manager or Code Enforcement Officer. This method of enforcement shall be publicized via the education program of this Plan.

A. **Penalties**

Direct-billed Retail Water Customers: Users of City water that do not comply with the requirements of the drought contingency measures will be subject to a penalty and fine for each non-compliance. These users will also be subject to disconnection or discontinuance of City water services. These fines shall be as follows:

1.	1st offense	$75.00
2.	2nd offense	$100.00
3.	3rd offense	$200.00
4.	4th offense	Discontinuation of Service

Wholesale Customers: Any new or renewed wholesale water contracts with political subdivisions and/or other wholesale customers who desire to purchase water from the City of Breckenridge will be required to adopt a drought contingency plan or adopt the City of Breckenridge Drought Contingency Plan. Future wholesale contracts will require the management body of the said entity to enforce their plan in accordance with Texas Water Code §11.039 (pro rata water allocation). Failure of a wholesale entity to enforce a Plan during any period of drought or emergency will result in a penalty or fine that shall be set forth in the wholesale water contract or amended contract.

Section XI. Variances

The City Manager, or his/her designee, may, in writing, grant a temporary variance to the pro rata water allocation policies provided by this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the public health, welfare, or safety and if one or more of the following conditions are met:

A. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

B. Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the City Manager within 5 days after prorata allocation has been invoked. All petitions for variances shall be reviewed by the City Commission, and shall include the following:

A. Name and address of the petitioner(s).

B. Detailed statement with supporting data and information as to how the pro rata allocation of water under the policies and procedures established in the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.

C. Description of the relief requested.

D. Period of time for which the variance is sought.

E. Alternative measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

F. Other pertinent information.

Variances granted by the City Commission shall be subject to the following conditions, unless waived or modified by the City Commission or its designee:

A. Variances granted shall include a timetable for compliance.

B. Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

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

Section XII. Coordination with Region G Planning Group

The water service area of the City of Breckenridge is located within the Region G Water Planning Group planning area. The City of Breckenridge has provided a copy of the Plan to the Region G Water Planning Group (Appendix F).

Section XIII. Modification, Deletion, Amendment, and Public Input

Modification to this Plan in any form shall be presented for public discussion and approved by the City Commission in accordance with all State and local laws. Opportunity for the public and wholesale water customers to provide input into preparation of the Plan was provided by the City of Breckenridge by means of public notice of the City Commission meetings during which the public may offer input on the Plan. The City of Breckenridge will review and update this Drought Contingency Plan, as appropriate. As a minimum the Plan will be updated again before May 1, 2024 and every five (5) years thereafter.

Section XIV. Reporting Requirement

Under the conditions of this Plan the City Manager shall be responsible for preparing the annual report seen and described in Texas Water Development Board's Form No. 1969 (Water Conservation Program Annual Report).

Section XV. Severability

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

Appendix A

Service Area Maps

Public Utility Commission of Texas

By These Presents Be It Known To All That

CITY OF BRECKENRIDGE

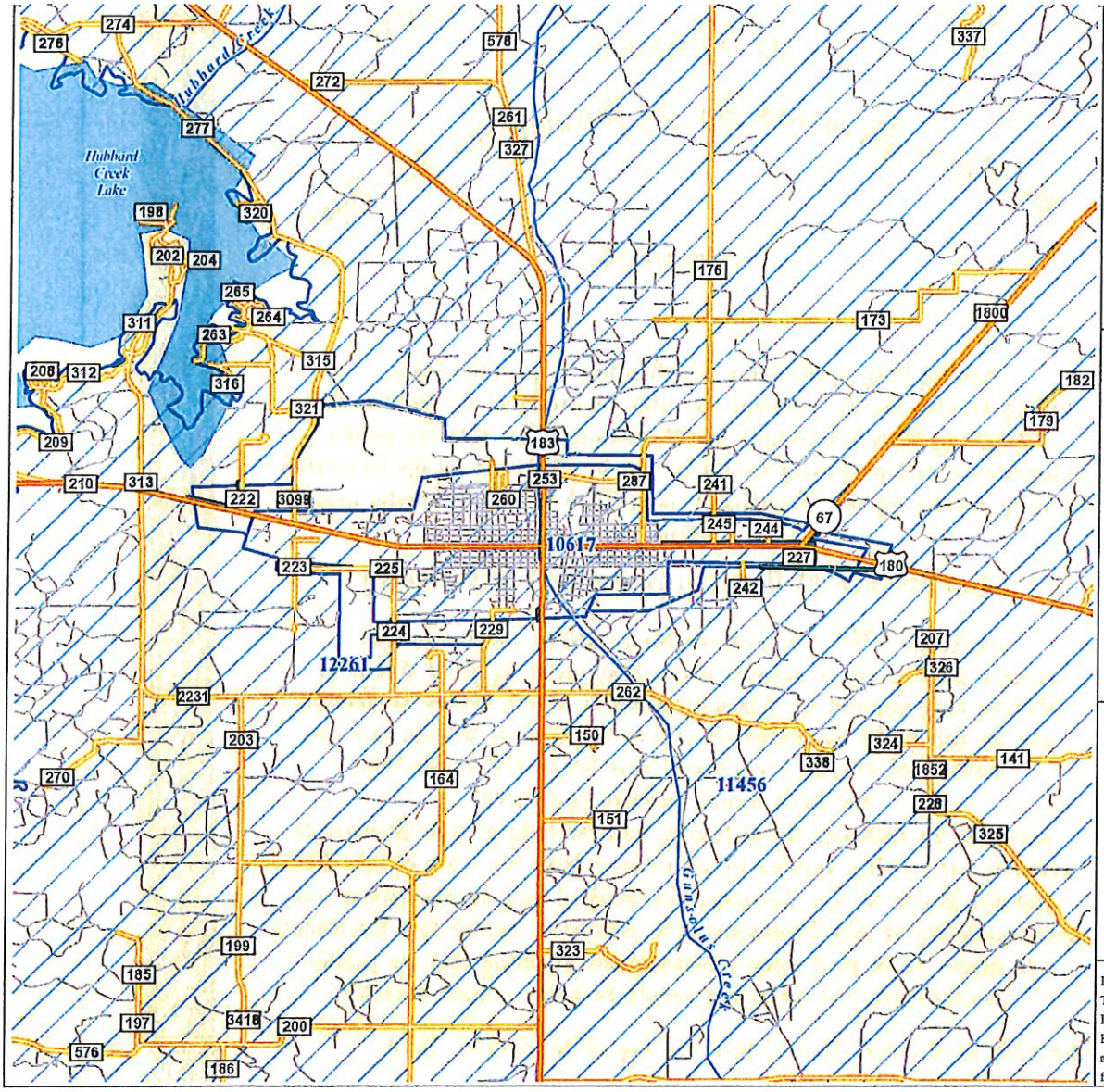
having duly applied for certification to provide water utility service for the convenience and necessity of the public, and it having been determined by this Commission that the public convenience and necessity would in fact be advanced by the provision of such service by this Applicant, is entitled to and is hereby granted this

Certificate of Convenience and Necessity

numbered 10617 , to provide water utility service to that service area or those service areas designated by final Order or Orders duly entered by this Commission, which Order or Orders are on file at the Commission offices in Austin, Texas; and are matters of official record available for public inspection; and be it known further that these presents do evidence the authority and the duty of this Grantee to provide such utility service in accordance with the laws of this State and the Rules of this Commission, subject only to any power and responsibility of this Commission to revoke or amend this Certificate in whole or in part upon a subsequent showing that the public convenience and necessity would be better served thereby.

Issued at Austin, Texas, this 1st day of November, 1979.

Philip F. Ricketts
SECRETARY OF THE COMMISSION

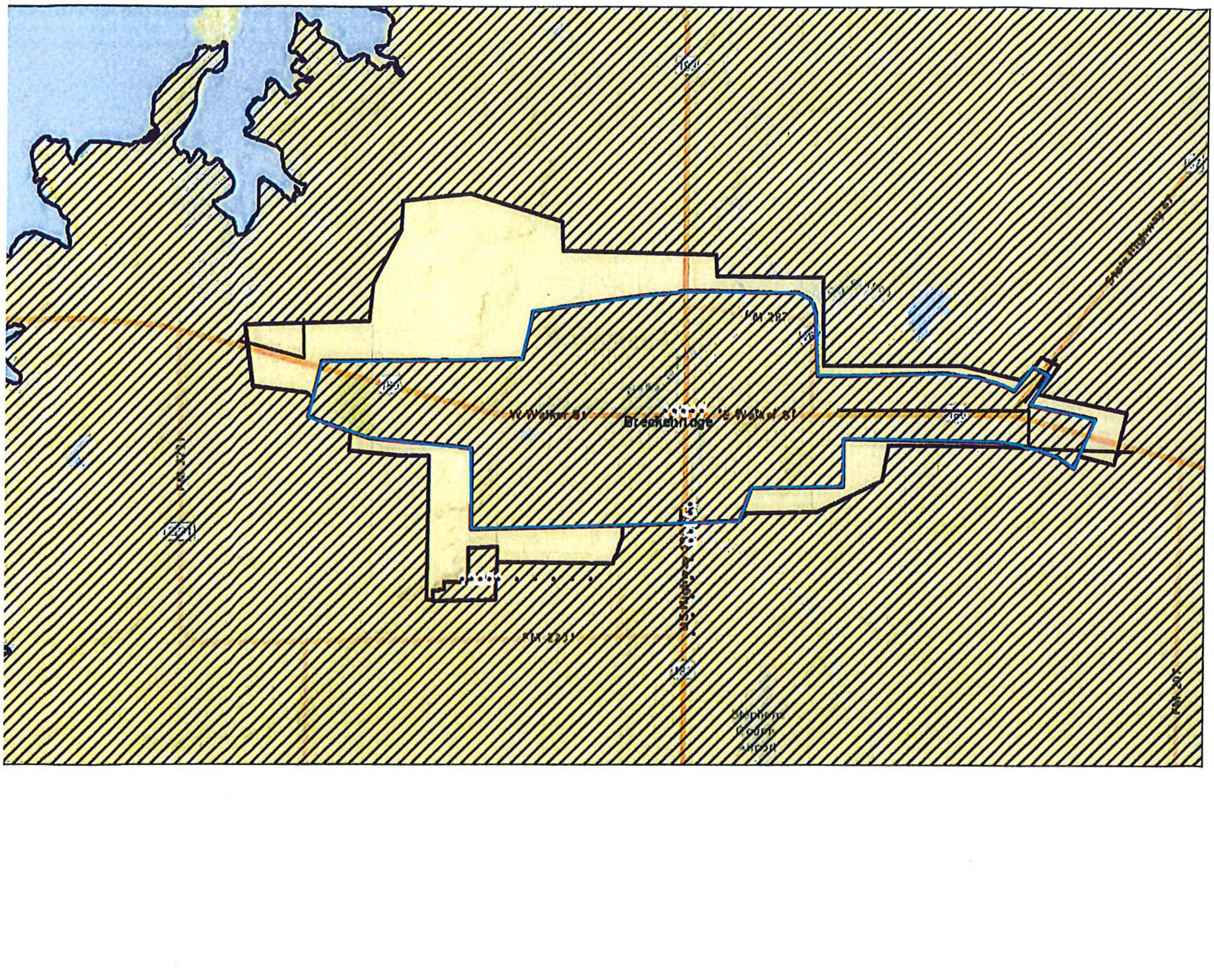


Protecting Texas by Reducing and Preventing Pollution

Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087
For more information
concerning this map, please contact the
Water Supply Division at (512) 239-4691.
04/18/2014

IWUD Map Viewer

Disclaimer:
This map was generated by the Integrated Water Utilities Database (iWUD) from the Texas Commission on Environmental Quality. No claims are made to the accuracy or completeness of the data or to its suitability for a particular use.


Breckenridge

Appendix B

Utility Profile

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: City of Breckenridge

Public Water Supply Identification Number (PWS ID): TX2150001

Certificate of Convenience and Necessity (CCN) Number: 10617

Surface Water Right ID Number: 4214

Wastewater ID Number: 20259

Contact: First Name: Diane Last Name: Latham

Title: Administrator

Address: 105 N Rose Ave City: Breckenridge State: TX

Zip Code: 76424 Zip+4: Email: dlatham@breckenridgetx.gov

Telephone Number: 2545598287 Date:

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

Regional Water Planning Group: G

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: 4

Texas Water Development Board

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
2018	5,920	51	5,150
2017	5,968	3,251	5,192
2016	5,971	51	5,194
2015	6,037	51	5,252
2014	5,887	0	5,121

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
2020	5,903	51	5,135
2030	6,130	51	5,333
2040	6,232	51	5,421
2050	6,298	51	5,471
2060	6,315	51	5,494

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

2021 Regional Water Plan

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
2018	253,786,000	0	761,000	253,025,000	117
2017	254,036,000	0	833,000	253,203,000	116
2016	256,679,000	0	726,000	255,953,000	117
2015	281,139,979	0	1,455,000	279,684,979	127
2014	0	261,891,999	1,694,000	260,197,999	121
Historic Average	209,128,196	52,378,400	1,093,800	260,412,796	120

C. Water Supply System

1. Designed daily capacity of system in gallons: 3,400,000
2. Storage Capacity
   - 2a. Elevated storage in gallons: 650,000
   - 2b. Ground storage in gallons: 1,000,000

Texas Water Development Board

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)
2020	5,903	291,455,918
2021	5,926	292,576,712
2022	5,948	293,697,507
2023	5,971	294,818,301
2024	5,994	295,939,096
2025	6,017	297,059,890
2026	6,039	298,180,684
2027	6,062	299,301,479
2028	6,085	300,422,273
2029	6,107	301,543,067

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

2021 Regional Water Plan and Historic Water Use Rates

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
TDCJ Walker Sayle Unit	Institutional	17,717,000	Treated
Stephens County Animal Shelter	Institutional	3,150,000	Treated
Villa Haven Nursing Home	Institutional	2,018,900	Treated
HBSN Investments Co. LLC Apartments	Residential	1,916,000	Treated
Softball Little League	Agricultural	1,812,000	Treated

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

Customer	Water Use Category	Annual Water Use	Treated or Raw
High Mesa Water Company	Municipal	761,000	Treated

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

F. Utility Data Comment Section

Additional comments about utility data.

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	2,204	70.37 %
Residential - Multi-Family	511	16.32 %
Industrial	7	0.22 %
Commercial	364	11.62 %
Institutional	46	1.47 %
Agricultural	0	0.00 %
Total	3,132	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**
2018	31	0	0	0	2	0	33
2017	0	10	0	23	0	0	33
2016	425	492	0	2	0	0	919
2015	0	0	46	0	0	0	46
2014	0	26	1	59	0	0	86

Texas Water Development Board

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
2018	110,031,434	14,280,604	1,154,400	28,206,983	27,179,600	0	180,853,021
2017	109,553,932	13,597,604	1,389,600	34,434,137	23,168,936	0	182,144,209
2016	106,220,592	14,160,400	1,838,900	35,733,051	24,880,298	0	182,833,241
2015	106,861,400	15,464,700	1,438,700	34,760,400	20,102,100	0	178,627,300
2014	115,873,800	16,587,000	1,718,400	41,121,700	16,153,000	0	191,453,900

C. Residential Water Use

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

Year	Residential - Single Family	Residential - Multi-Family	Total Residential
2018	57	0	57
2017	57	0	57
2016	57	0	55
2015	57	0	56
2014	57	0	61
Historic Average	57	0	57

Texas Water Development Board

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				
	2018	2017	2016	2015	2014
January	20,010,000	20,805,000	17,660,000	20,575,000	20,230,000
February	15,730,000	19,035,000	16,349,000	14,854,000	19,941,000
March	17,323,000	20,960,000	18,806,000	20,426,000	20,754,000
April	18,705,000	20,571,000	18,946,000	19,512,000	20,955,000
May	22,742,000	22,643,000	18,316,000	20,285,000	24,111,000
June	25,975,000	20,102,000	21,188,000	20,541,000	22,917,000
July	29,143,000	25,898,000	27,142,000	22,672,000	25,577,000
August	25,407,000	23,392,000	25,119,000	31,462,000	28,769,000
September	22,421,000	23,701,000	19,770,000	23,266,000	24,373,000
October	19,640,000	19,685,000	20,821,000	22,061,000	25,451,000
November	20,229,000	18,942,000	18,348,000	17,617,000	20,314,000
December	18,161,000	17,695,000	19,410,000	17,778,000	18,253,000
Total	255,486,000	253,429,000	241,875,000	251,049,000	271,645,000

Texas Water Development Board

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				
	2018	2017	2016	2015	2014
January	139,100	76,600	64,400	132,700	478,300
February	24,700	16,400	74,600	211,400	472,400
March	35,300	27,100	110,700	111,900	505,200
April	31,000	40,300	92,400	402,400	963,500
May	308,300	243,100	49,500	192,600	950,400
June	31,600	52,000	30,500	145,300	659,400
July	87,900	87,200	0	392,500	870,800
August	192,800	234,200	0	146,400	970,500
September	170,500	115,900	26,600	155,600	718,900
October	63,500	66,900	68,600	178,000	744,500
November	44,600	15,600	51,350	259,700	627,600
December	83,500	44,600	51,350	176,300	109,500
Total	1,212,800	1,019,900	620,000	2,504,800	8,071,000

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2018	80,837,300	256,698,800
2017	69,765,400	254,448,900
2016	73,479,500	242,495,000
2015	75,359,200	253,553,800
2014	79,763,700	279,716,000
Average in Gallons	75,841,020.00	257,382,500.00

Texas Water Development Board

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
2018	59,970,618	28	24.09 %
2017	60,454,968	28	23.88 %
2016	63,685,698	29	24.88 %
2015	79,931,093	36	28.58 %
2014	33,767,122	16	12.98 %
Average	59,561,900	27	22.88 %

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)
2018	703,284	878666	1.2494
2017	697,120	758319	1.0878
2016	664,369	798690	1.2022
2015	694,667	819121	1.1792
2014	766,345	866996	1.1313

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	109,708,231	70.37 %	59.89 %
Residential - Multi-Family	14,818,061	16.32 %	8.09 %
Industrial	1,508,000	0.22 %	0.82 %
Commercial	34,851,254	11.62 %	19.03 %
Institutional	22,296,786	1.47 %	12.17 %
Agricultural	0	0.00 %	0.00 %

Texas Water Development Board

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: 950,000

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

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	0	1,738	1,738	84.86 %
Industrial	0	5	5	0.24 %
Commercial	0	299	299	14.60 %
Institutional	0	6	6	0.29 %
Agricultural	0	0	0	0.00 %
Total	0	2,048	2,048	100.00 %

3. Percentage of water serviced by the wastewater system: 87.00 %

Texas Water Development Board

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				
	2018	2017	2016	2015	2014
January	7,397,000	15,463,000	15,469,000	15,500,000	10,088,000
February	12,737,000	14,408,000	11,919,000	10,668,000	10,472,000
March	12,821,000	11,847,000	13,733,000	13,671,000	11,036,000
April	10,263,000	9,663,500	9,663,500	9,663,500	9,064,000
May	11,087,000	10,488,000	10,488,000	10,488,000	9,889,000
June	10,049,000	16,064,250	21,900,000	17,769,000	14,548,000
July	9,992,000	9,159,000	8,220,000	8,220,000	14,508,000
August	10,494,000	9,955,000	13,894,000	12,214,000	15,083,000
September	11,975,000	8,431,000	13,080,000	9,120,000	14,813,000
October	24,103,000	17,393,000	11,873,000	18,476,000	15,120,000
November	16,166,000	7,839,000	14,349,000	18,450,000	15,870,000
December	19,742,000	7,239,000	13,361,000	19,964,000	14,570,000
Total	156,826,000	137,949,750	157,949,500	164,203,500	155,061,000

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	7,000,000
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (park,golf courses)	
Agricultural	
Discharge to surface water	
Evaporation Pond	
Other	
Total	7,000,000

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Wastewater System Data Comment

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

Appendix C

Water Conservation Goals

Texas Water Development Board

WATER CONSERVATION GOALS FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: City of Breckenridge

Public Water Supply Identification Number (PWS ID): TX2150001

Certificate of Convenience and Necessity (CCN) Number: 10617

Surface Water Right ID Number: 4214

Wastewater ID Number: 20259

Contact: First Name: Diane Last Name: Latham

Title:

Address: 105 N Rose Ave City: Breckenridge State: TX

Zip Code: 76424 Zip+4: Email: dlatham@breckenridgetx.gov

Telephone Number: 2545598287 Date:

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

Regional Water Planning Group: G

Groundwater Conservation District:

Our records indicate that you:

- [x] Received financial assistance of $500,000 or more from TWDB
- [ ] Have 3,300 or more retail connections
- [x] Have a surface water right with TCEQ

	Historic 5 Year Average	Baseline	5-Year Goal for Year 2024	10-Year Goal for Year 2029
Total GPCD	119	121	119	118
Residential GPCD	57	57	56	55
Water Loss (GPCD)	28	28	23	18
Water Loss Percentage	24.00%	23.00%	19.00%	15.00%

1. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365
2. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365
3. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365
4. Water Loss Percentage = (Total Water Loss ÷ Total Gallons in System) x 100; or (Water Loss GPCD ÷ Total GPCD) x 100

Appendix D

City of Breckenridge Water Rate Structure

ORDINANCE NO. 18-11

AN ORDINANCE OF THE CITY OF BRECKENRIDGE, TEXAS, REPEALING AND REPLACING ORDINANCE NO. 17-10; ESTABLISHING A GENERAL FEE SCHEDULE FOR THE CITY OF BRECKENRIDGE; INCLUDING REVISED RATES FOR SOLID WASTE COLLECTION SERVICES; ESTABLISHING FEES FOR FOOD TRUCK VENDORS; ESTABLISHING FEES FOR NETWORK NODES; ESTABLISHING A PROJECT SURCHARGE ON ALL UTILITY ACCOUNTS FOR ONE YEAR; PROVIDING AN OPEN MEETINGS CLAUSE; AND ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, pursuant to its contract with Republic Services of Abilene for solid waste collection, the City has already published revised rates which were effective as of August 1, 2018, but those revised rates have not yet been incorporated into the City Fee Schedule;

WHEREAS, the City Commission of the City of Breckenridge (the "City Commission") adopted Ordinance No. 18-03 on February 6, 2018 regulating mobile food units, or "food trucks", within the City and wishes to establish a fee for the permit application process established by same;

WHEREAS, the City Commission is adopting Ordinance No. 18-12 simultaneously with the adoption of this Ordinance removing all fees from the Network Nodes Ordinance to be incorporated into the City Fee Schedule; and

WHEREAS, the City Commission wishes to adopt a monthly project surcharge of $7.50 to be applied to every utility account for one year to help cover the costs of the East Highway 180 waterline replacement.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF BRECKENRIDGE, TEXAS:

I. *Repeal.* Ordinance No. 17-10, adopted on August 1, 2017, is, hereby repealed. All other ordinances or parts of ordinances in conflict herewith shall be and are hereby repealed to the extent of such conflict.

II. *Enactment.* This Ordinance No. 18-11 shall be the Fee Schedule Ordinance of the City of Breckenridge and shall establish all fees under the Breckenridge Code of Ordinances.

****

Fee Schedule of the City of Breckenridge, Texas

Effective October 15, 2018

I. Chapter 4 – Animals and Fowl

(a) Permit for Selling, Grooming, Breeding, or Boarding of Dogs (Sec. 4-14): $75.00 per year

(b) Dog License Fee (Sec. 4-20): $10.00 per year

(c) Impoundment Fees (Sec. 4-31):
- (1) Impounded dog, cat, or fowl:
  - (A) Pound fee: $15.00 per animal or fowl
  - (B) Board fee: $10.00 per 24-hour period or part thereof
  - (C) Impounded dog without City license: $25.00
  - (D) The cost of any vaccinations or veterinary care provided to the animal while impounded: Minimum of $25.00.
- (2) All other impounded animals:
  - (A) Pound fee: $20.00 per animal
  - (B) Board fee: $15.00 per 24-hour period or part thereof
  - (C) The cost of any vaccinations or veterinary care provided to the animal while impounded: Minimum of $25.00

(d) Dangerous Dog Registration Fee (Sec 4-40): $50.00 per year

II. Chapter 5 – Buildings and Structures

(a)	Building Permits (Sec. 5-3):	
(1)	New Construction:	$50.00 plus $0.05 per square foot
(2)	Remodel – Residential:	$50.00
(3)	Remodel – Commercial:	$50.00 plus $0.05 per square foot
(4)	Sign, Fence, and Window Permits:	$40.00
(b)	Demolition Permits (Sec. 5-4):	$100 plus insurance
(c)	Electrical Permits (Sec. 5-37):	
(1)	Residential:	$40.00
(2)	Commercial:	$40.00 plus $0.05 per square foot
(3)	Re-inspection Fee:	$25.00 per trip
(4)	Meter Upgrade:	$75.00
(d)	Permit to Move Building (Sec. 5-51):	$50.00
(e)	Plumbing Permits and Inspections (Sec. 5-60.1):	
(1)	Residential:	$40.00
(2)	Commercial:	$40.00 plus $0.05 per square foot
(3)	Re-inspection Fee:	$25.00 per trip
(4)	Inspections outside of normal business hours	Not available
(5)	Inspections for which no fee is specifically indicated	$20.00 per hour (minimum charge of ½ hour)
(6)	Additional plan review required by changes, additions, or revisions to approved plans	$20.00 per hour (minimum charge of ½ hour)

(f) Gas Permits and Inspections (Sec. 5-61.1):

(1)	Permit:	$40.00
(2)	Re-inspection Fee:	$25.00 per trip
(3)	Inspections outside of normal business hours	Not available

(g) Mechanical Permits and Inspections (Sec. 5-100)

*For installation of heating, ventilating, refrigeration, or air conditioning systems

(1)	Residential:	$40.00
(2)	Commercial:	$40.00 plus $0.05 per square foot
(3)	Re-inspection Fee:	$25.00 per trip

III. Chapter 9 – Fire Protection and Prevention

(a) Fire Sprinkler Permits (Sec. 9-9): $40.00

IV. Chapter 10 – Garbage, Trash, Weeds and Other Wastes

(a) Administrative Sanitation Fee: $4.00

(b) Rate Code:

T1 – RI – 1 Poly Cart	$13.55	T12 – CO – 3 Poly Carts	$53.08
T2 – RI – 2 Poly Carts	$20.32	T13 – CI at a RI – 1 Poly Cart	$13.55
T3 – RI – 3 Poly Carts	$27.10	T14 – CI – 3 Poly 2x's Weekly	$102.24
T4 – CI – 1 Poly Cart	$26.54	T15 – CI – 1.5 yd 1x Weekly	$44.18
T5 – CI – 2 Poly Carts	$39.81	T27 – CO – 1.5 yd 2x's Weekly	$85.62
T6 – CI – 3 Poly Carts	$53.08	T16 – CI – 3 yd 1x Weekly	$81.93
T7 – RO – 1 Poly Cart	$13.55	T17 – CI – 3 yd 2x's Weekly	$145.19
T8 – RO – 2 Poly Carts	$20.32	T18 – CI – 3 yd 3x's Weekly	$203.22
T9 – RO – 3 Poly Carts	$27.10	T19 – CI – 3 yd 4x's Weekly	$271.82
T10 – CO – 1 Poly Cart	$26.54	T20 – CI – 3 yd 5x's Weekly	$339.59
T11 – CO – 2 Poly Carts	$39.81	T26 – CI – 1 Poly 2x's Weekly	$34.08
TDCJ	$5,572.80		

(RI = Residential Inside City Limits, CI = Commercial Inside City Limits, RO = Residential Outside City Limits, CO = Commercial Outside City Limits)

(c) Extra pick-up/Extra Yardage:

(1)	T23	3 yd	$45.15 per occurrence
(2)	T24	1.5 yd	$38.70 per occurrence

(d) Delivery/Removal:

(1)	T21	1.5 yd	$45.15 per occurrence
(2)	T22	3 yd	$45.15 per occurrence
(3)	T25	1 Poly Cart	$26.88 per occurrence
(2)	T23	3 yd	$45.15 per occurrence

(e) Convenience Station - Disposal Fee (Sec. 10-40):

(1)	Per cubic yard	$21.50
(2)	Less than one (1) cubic yard	Appropriate fee for portion on 1 cubic yard, $7.00 minimum

V. Chapter 13 – Occupational Licenses and Regulations

(a) Permit Fee for Shows, Circuses, etc. (Sec. 13-3): $50.00 per day

(b) Peddler License Fees (Sec. 13-65):

(1)	Peddler or solicitor		
	(A)	Application fee	$30.00
	(B)	License fee	$35.00
(2)	Itinerant Vendor		
	(A)	License fee	$250.00
(3)	Canvasser		
	(A)	Application fee	None
	(B)	License fee	None
(4)	Mobile Food Vendor		
	(A)	Application fee	$25.00

VI. Chapter 14 – Offenses and Miscellaneous Provisions

(a) Sport shooting range application fee (Sec. 14-2) $25.00

VII. Chapter 17 – Streets and Sidewalks

(a) Permit for Network Nodes (Sec. 17-77): $500.00 for up to 5 nodes
$250.00 for each node after 5

These fees shall only be changed pursuant to Chapter 284 of the Texas Local Government Code.

(b) Permit for Node Support Poles (Sec. 17-77): $1,000.00

These fees shall only be changed pursuant to Chapter 284 of the Texas Local Government Code.

(c) Public Right-of-Way Fees (Sec. 17-78)

(1)	Transport Facilities	$28.00 per node in right-of-way, per month
(2)	Network Nodes	$250.00 per node, per year
(3)	Use of Service Poles	$20.00 per pole utilized, per year

These fees may be increased annually by an amount equal to one-half of the annual change in the consumer price index, as per Section 284.054 of the Texas Local Government Code. Any other changes shall only be made pursuant to Chapter 284 of the Texas Local Government Code.

VIII. Chapter 21 – Water and Sewers

(a) Water Taps (Sec. 21-1):

(1)	¾ inch:	$800.00
(2)	1 inch:	$1,000.00
(3)	1 ½ inch:	$1,400.00

(4) 2 inch: $1,800.00

(b) Sewer Taps (Sec. 21-1):

(1) 4 inch: $850.00
(2) 6 inch: $900.00
(3) 8 inch: $1,000.00

(c) Minimum Security Deposit (Sec. 21-11):

(1) Customers in Good Standing $140.00
Two times the minimum rate for single-family residential homes within the City limits

(2) Customers with 2 or more disconnects $280.00
Within a 12 month period

(3) If, in the judgement of the city secretary, the minimum security deposit shall be insufficient to insure the city against loss due to nonpayment of a final bill as a result of a customer's use of water above the normal use or based on the payment history, then such customer shall be required to make a deposit in an amount which in the judgement of the city secretary will be sufficient to insure the city against loss due to nonpayment of final bill.

(d) Water Rate Schedule (Sec. 21-12):

	Inside City Limits	*Outside City Limits*
(1) *Residential—Single Family*		
First 2,000 gallons (minimum)	$22.75	$45.50
Next 3,000 gallons, per thousand gallons	$5.40	$10.80
Next 5,000 gallons, per thousand gallons	$5.85	$11.70
Next 10,000 gallons, per thousand gallons	$6.80	$13.60
Over 20,000 gallons, per thousand gallons	$7.80	$15.60
(2) *Commercial and Apartments*		
First 2,000 gallons (minimum)	$30.00	$60.00
Next 3,000 gallons, per thousand gallons	$5.40	$10.80
Next 5,000 gallons, per thousand gallons	$5.85	$11.70
Next 10,000 gallons, per thousand gallons	$6.80	$13.60
Over 20,000 gallons, per thousand gallons	$7.80	$15.60

(3) Add $4.25 or $8.50 to the minimum charge for each additional family, apartment or house over two (2) allowed for $30.00 or $60.00 minimum that is connected to the same meter.

(4) *Texas Department of Criminal Justice—Walker Sayle Unit*: Eight dollars and sixty cents ($8.60) per one thousand (1,000) gallons.

(5) *High Mesa Water Company*:

First 2,000 gallons (minimum)	$45.50
2,001 gallons and over, per thousand gallons	$6.00

(6) *Plant Water*: Nine dollars and fifty cents ($9.50) per one thousand (1,000) gallons.

(e) Delinquent Account Fees (Sec. 21-15):

(1) Late payment fee $25.00
(2) Reconnection fee
(A) During normal operating hours $10.00

	(B)	After hours	$25.00
(f)	Re-reads (Sec. 21-16):		$10.00
(g)	Temporary Disconnection of Service (Sec. 21-17):		
	(1)	Disconnection during normal operating hours	$10.00
	(2)	Disconnection after hours	$25.00
(h)	Connection and Transfer Fees (Sec. 21-19):		
	(1)	Connection Fee	
		(A) During normal operating hours	$10.00
		(B) After hours	$25.00
	(2)	Transfer Fee	
		(A) During normal operating hours	$10.00
		(B) After hours	$25.00

(i) Sewer Service Charges (Sec. 21-44):

		Inside City Limits	*Outside City Limits*
(1)	*Residential—Single Family*		
	First 5,000 gallons (minimum)	$25.85	$51.70
	Over 5,000 gallons, per thousand gallons	$2.20	$4.40
	Maximum monthly charge	$75.00	$150.00
(2)	*All Other Users*		
	First 5,000 gallons (minimum)	$30.00	$60.00
	Over 5,000 gallons, per thousand gallons	$3.00	$6.00
	Maximum monthly charge	$400.00	$800.00

(3) *Texas Department of Criminal Justice—Walker Sayle Unit.* Five dollars and five cents ($5.05) per one thousand (1,000) gallons of water, or portion thereof, used monthly.

(j)	Reconnection Fee (Sec. 21-44):		
	(1)	Reconnection during normal operating hours	$10.00
	(2)	Reconnection after hours	$25.00
(k)	Penalties for Violations relating to Grease Traps/Interceptors (Sec. 21.93)		
	(1)	Blockage Caused by a Generator	
		(A) First Violation	$400.00
		(B) Second Violation (within 2 years of 1st)	$500.00
		(C) Third Violation (within 2 years of 1st)	$750.00
		(D) Repeat Offenders	$250.00 in addition to penalty in (A), (B), or (C)
	(2)	General Violations	
		(A) First Violation	Written warning
		(B) Second Violation (within 2 years of warning)	$400.00
		(C) Third Violation (within 2 years of warning)	$500.00
		(D) Fourth Violation (within 2 years of warning)	$750.00
		(E) Repeat Offenders	$250.00 in addition to penalty

in (B), (C), or (D)

(l) Project Surcharge - TxDOT mandated project – East Hwy 180 waterline replacement
(A) Surcharge per utility account for 12-month period $7.50

IX. Chapter 22 - Zoning

(a) Permits Related to Zoning (Sec. 22-8):

(1)	Mobile Home Permits:	$50.00
(2)	Certificate of Occupancy:	$20.00 on commercial application
(3)	Locating Portable Building:	$40.00

****

III. ***Open Meetings***. It is hereby officially found and determined that the meeting at which this ordinance is passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act, Chapter 551, Texas Local Government Code.

IV. ***Effective Date***. This ordinance shall take effect on October 15, 2018 and shall be published prior to that time according to the terms of the City Charter and the Texas Local Government Code.

The above and foregoing ordinance was duly proposed, read in full, and adopted on first reading on the 4th day of September 2018 at a regular meeting of the City Commission.

The above and foregoing ordinance was read and finally adopted on second reading on the 2nd day of October 2018 at a regular meeting of the City Commission.

Bob Sims, Mayor

ATTEST:

Heather Robertson-Caraway, City Secretary

THE CITY OF BRECKENRIDGE SEAL TEXAS

Appendix E

Ordinance Adopting Water Conservation Plan and Drought Contingency Plan

(This space reserved for a copy of the Ordinance adopting the Plans)

Please note, Breckenridge City Commission to consider adopting the updated Water Conservation/Drought Contingency Plan during the July 2019 Commission meeting. Adopting measure will be available after the July 2019 meeting.

Appendix F

Transmittal Letter to Brazos Region G Water Planning Group

April 30, 2019

Stephen Hamlin
Brazos River Authority
P.O. Box 7555, Waco, TX 76714

Re: Updated Water Conservation and Drought Contingency Plan for the City of Breckenridge
PWS 2150001

Dear Mr. Hamlin;

Enclosed for your use please find copies of the recently updated Water Conservation and Drought Contingency Plans for the City of Breckenridge (City). The plans contain required elements as described in 30 Texas Administrative Code Chapter 288. The plans are being submitted to the Region G Water Planning Group, the Texas Water Development Board and the Texas Commission on Environmental Quality. If you have any questions you may reach me at 254.559.8287.

Sincerely,

_____
City of Breckenridge

c: TWDB; P.O. Box 13231, Austin, TX 78711-3231
TCEQ Resource Protection Team, P.O. Box 13087 (MC-160); Austin, TX 78711-3087

Appendix G

Reservoir Operation Plan

LAKE DANIEL RESERVOIR OPERATIONS PLAN

The City of Breckenridge owns, operates, and maintains Lake Daniel for the purpose of providing treated water for public use by the City of Breckenridge water customers. The reservoir is operated with the intent of optimizing both quality and quantity of water stored in and drawn from the reservoir.

Lake Daniel has a capacity of 9,515 acre-feet when full. The treatment plant draws raw water from Lake Daniel to the plant by way of the intake structure supplying the water treatment plant. The raw water delivery system includes a raw water flow control valve that serves to modulate the flow rate of raw water to the water treatment plant.

City of Breckenridge Water Department personnel determine the proper gate to draw from based on water level in the lake and water quality conditions at the inlet levels. The City's treatment staff select the desired intake levels so as to optimize source water quality. Parameters measured by Water Department personnel to optimize raw water quality include turbidity, pH, alkalinity, TOC, temperature, taste, and odor.

To facilitate watershed protection Breckenridge Water Department personnel inspect the lake and watershed on a regular basis. By protecting the watershed the City makes an effort towards maximizing the quality and quantity of water available from the lake.